

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063671.D
 Acq On : 25 Sep 2020 9:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Quant Time: Sep 25 11:51:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	228722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	407487	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	389199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	190109	50.00	ug/l	0.00

System Monitoring Compounds

MMDadoda

33) 1,2-Dichloroethane-d4	7.99	65	195223	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
35) Dibromofluoromethane	7.55	113	138546	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	10.06	98	513925	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
62) 4-Bromofluorobenzene	12.38	95	195574	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	

9/28/2020 5:15:12 PM

Target Compounds

Qvalue

2) Dichlorodifluoromethane	1.83	85	116136	44.819	ug/l	97
3) Chloromethane	2.04	50	144123	42.044	ug/l	99
4) Vinyl Chloride	2.17	62	144892	47.708	ug/l	99
5) Bromomethane	2.53	94	86229	47.819	ug/l	98
6) Chloroethane	2.67	64	92130	49.419	ug/l	90
7) Trichlorofluoromethane	2.99	101	232285	51.263	ug/l	97
8) Diethyl Ether	3.37	74	85793	48.569	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	120876	47.434	ug/l	98
10) Methyl Iodide	3.91	142	159087	47.951	ug/l	97
11) Tert butyl alcohol	4.73	59	107014	198.402	ug/l	97
12) 1,1-Dichloroethene	3.70	96	119609	46.340	ug/l	98
13) Acrolein	3.57	56	55375	277.032	ug/l	98
14) Allyl chloride	4.28	41	212517	41.625	ug/l	96
15) Acrylonitrile	4.93	53	333668	243.197	ug/l	99
16) Acetone	3.78	43	314080	251.005	ug/l	98
17) Carbon Disulfide	4.01	76	309659	41.245	ug/l	99
18) Methyl Acetate	4.28	43	163359	51.426	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	455023	47.300	ug/l	99
20) Methylene Chloride	4.51	84	147277	46.455	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	133206	46.581	ug/l	94
22) Diisopropyl ether	5.90	45	496361	47.670	ug/l	99
23) Vinyl Acetate	5.84	43	2026237	236.946	ug/l	100
24) 1,1-Dichloroethane	5.80	63	273693	48.145	ug/l	99
25) 2-Butanone	6.78	43	459410	238.722	ug/l	96
26) 2,2-Dichloropropane	6.78	77	142065	28.384	ug/l	95
27) cis-1,2-Dichloroethene	6.78	96	156620	48.388	ug/l	95
28) Bromochloromethane	7.15	49	129985	49.522	ug/l	99
29) Tetrahydrofuran	7.17	42	306001	232.813	ug/l	99
30) Chloroform	7.33	83	284023	49.798	ug/l	100
31) Cyclohexane	7.61	56	217065	40.367	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	248717	49.029	ug/l	99
36) 1,1-Dichloropropene	7.76	75	199943	46.057	ug/l	99
37) Ethyl Acetate	6.88	43	196257	46.062	ug/l	100
38) Carbon Tetrachloride	7.74	117	214436	48.389	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	195957	41.590	ug/l	98
40) Benzene	8.00	78	587327	47.394	ug/l	99
41) Methacrylonitrile	7.13	41	104178	54.364	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	242297	48.618	ug/l	98
43) Isopropyl Acetate	8.13	43	343989	45.151	ug/l #	89
44) Trichloroethene	8.80	130	144018	47.914	ug/l	98
45) 1,2-Dichloropropane	9.08	63	162206	48.058	ug/l	98
46) Dibromomethane	9.17	93	107808	48.598	ug/l	98
47) Bromodichloromethane	9.37	83	227239	49.308	ug/l	100
48) Methyl methacrylate	9.17	41	170852	45.645	ug/l	96
49) 1,4-Dioxane	9.16	88	45354	844.344	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	1035616	242.809	ug/l	99
52) Toluene	10.13	92	363462	48.782	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	229793	44.664	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	240118	44.246	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	149294	50.446	ug/l	95
56) Ethyl methacrylate	10.40	69	221370	47.914	ug/l	100
57) 1,3-Dichloropropane	10.68	76	256852	48.127	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	568881	234.723	ug/l	98
59) 2-Hexanone	10.72	43	744043	240.792	ug/l	100
60) Dibromochloromethane	10.87	129	169496	50.695	ug/l	99
61) 1,2-Dibromoethane	10.98	107	155359	50.528	ug/l	99
64) Tetrachloroethene	10.60	164	135446	51.109	ug/l	98
65) Chlorobenzene	11.41	112	387955	46.959	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	150673	49.753	ug/l	98
67) Ethyl Benzene	11.49	91	725930	46.659	ug/l	99
68) m/p-Xylenes	11.60	106	541212	96.481	ug/l	97
69) o-Xylene	11.92	106	259704	48.600	ug/l	98
70) Styrene	11.94	104	446852	49.865	ug/l	99
71) Bromoform	12.10	173	112883	50.035	ug/l #	98
73) Isopropylbenzene	12.23	105	698985	45.882	ug/l	99
74) N-amyl acetate	12.05	43	323820	44.904	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	215088	45.598	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	196465m	41.753	ug/l	
77) Bromobenzene	12.50	156	167160	48.780	ug/l	94
78) n-propylbenzene	12.57	91	806844	45.472	ug/l	100
79) 2-Chlorotoluene	12.65	91	489795	46.049	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	593227	46.698	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	61406	35.778	ug/l	97
82) 4-Chlorotoluene	12.75	91	513710	45.711	ug/l	99
83) tert-Butylbenzene	12.97	119	479220	45.707	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	596336	46.474	ug/l	100
85) sec-Butylbenzene	13.15	105	637966	45.457	ug/l	99
86) p-Isopropyltoluene	13.26	119	560421	45.274	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	299021	47.078	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	303343	46.974	ug/l	99
89) n-Butylbenzene	13.59	91	493502	43.252	ug/l	99
90) Hexachloroethane	13.85	117	102184	43.352	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	300774	48.233	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	47734	42.497	ug/l	98

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9/28/2020 5:15:12 PM

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QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	154832	42.117	ug/l	100
94) Hexachlorobutadiene	14.98	225	74449	48.918	ug/l	99
95) Naphthalene	15.10	128	491027	40.429	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	150039	42.240	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

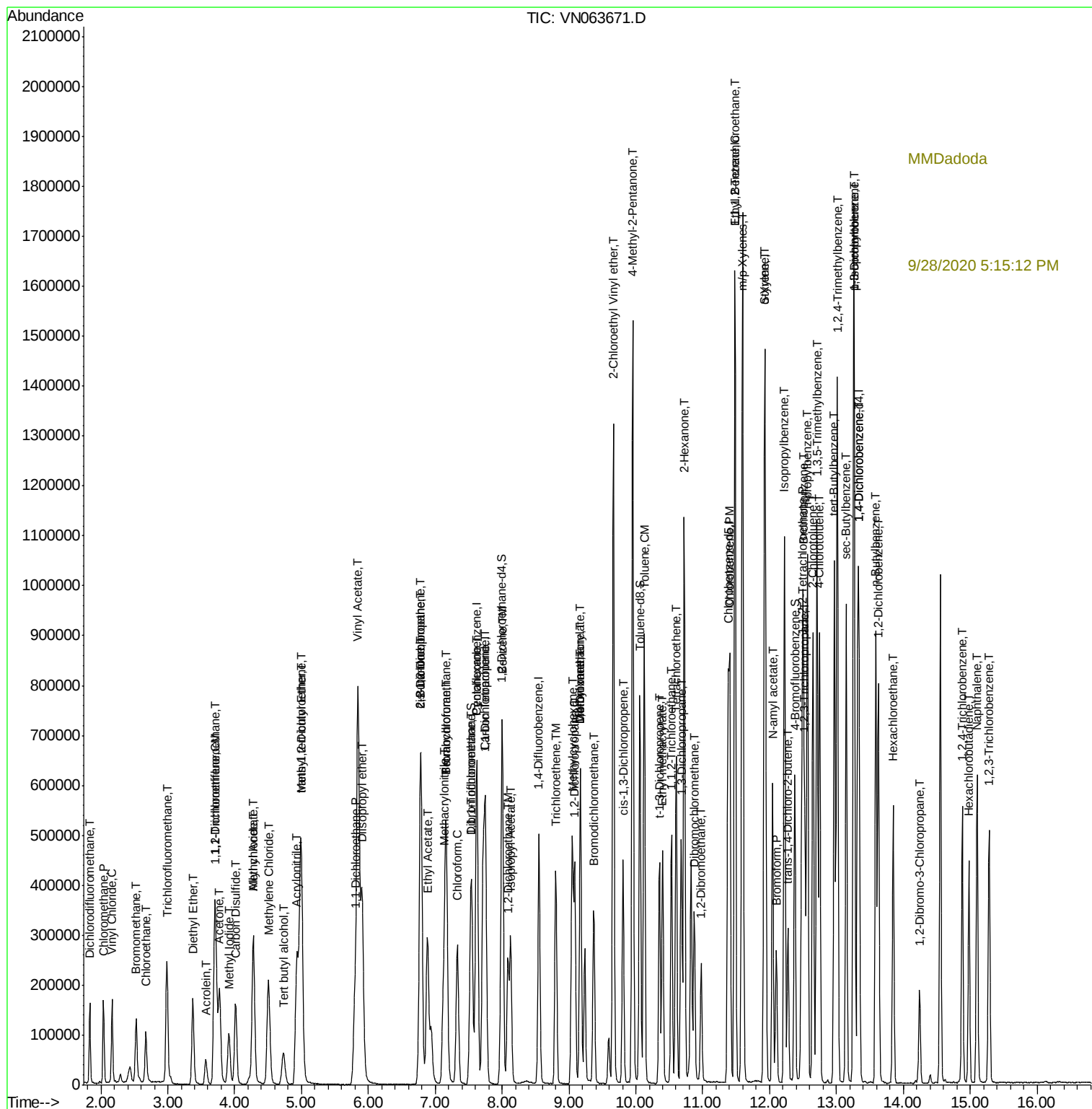
9/28/2020 5:15:12 PM

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092420\
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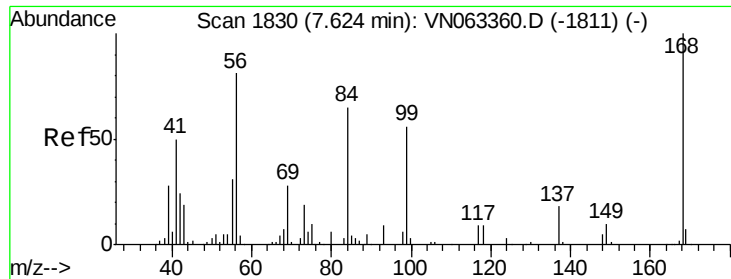
Manual Integrations
APPROVED

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9/28/2020 5:15:12 PM



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 228722

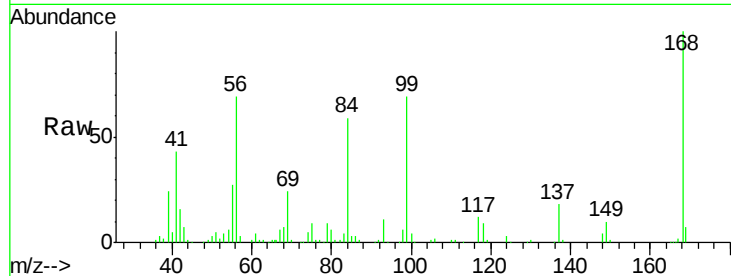
Ion Ratio Lower Upper

168 100

99 68.4 53.0 79.6

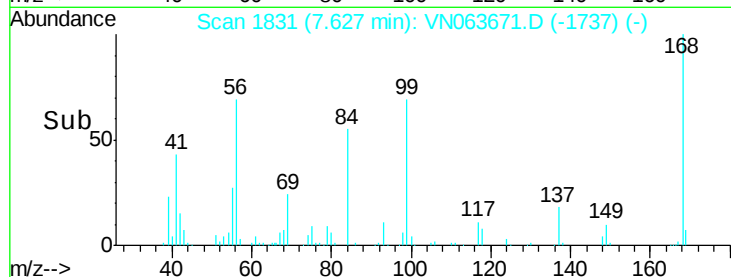
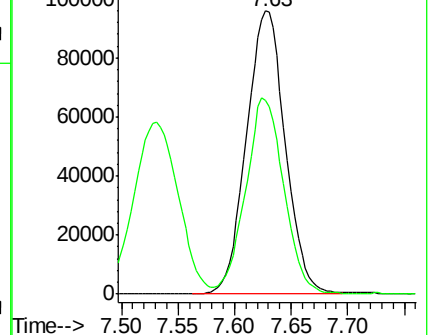
Manual Integrations

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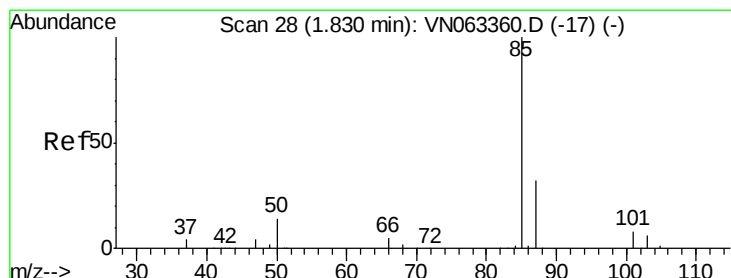
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



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9/28/2020 5:15:12 PM



#2

Dichlorodifluoromethane

Concen: 44.819 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063671.D

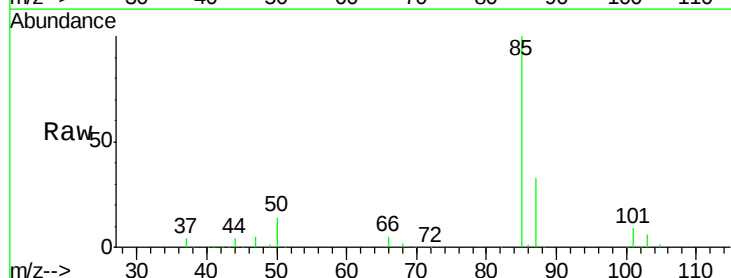
Acq: 25 Sep 2020 9:25

Tgt Ion: 85 Resp: 116136

Ion Ratio Lower Upper

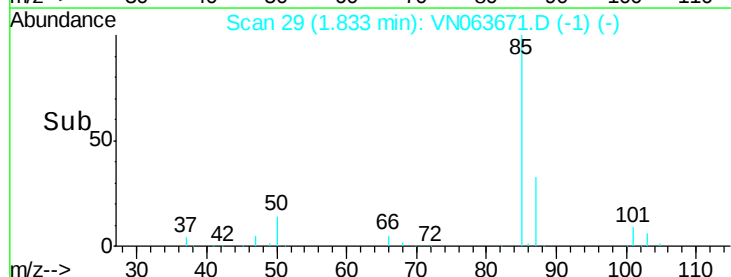
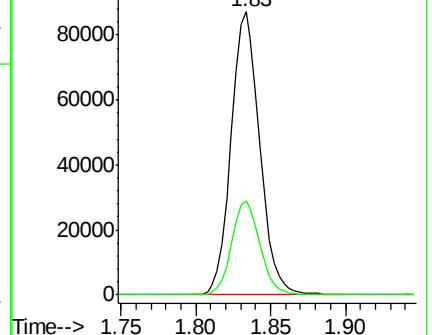
85 100

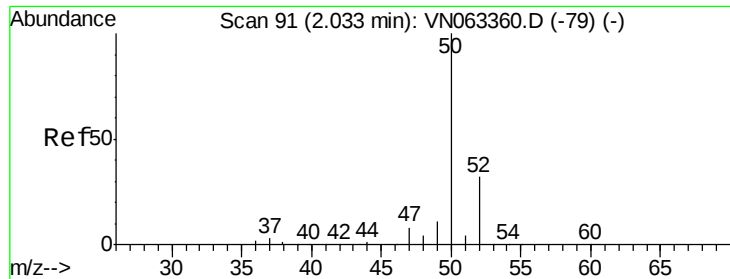
87 33.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 42.044 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

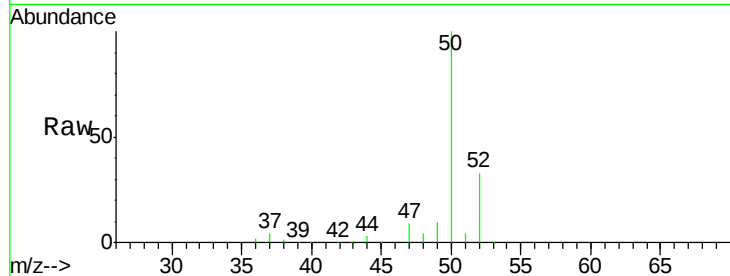
Tot Ion: 50 Resp: 144123

Ion Ratio Lower Upper

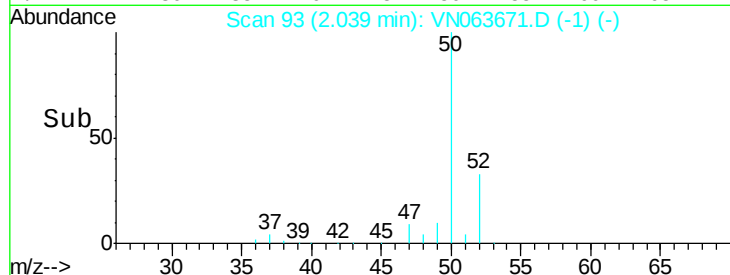
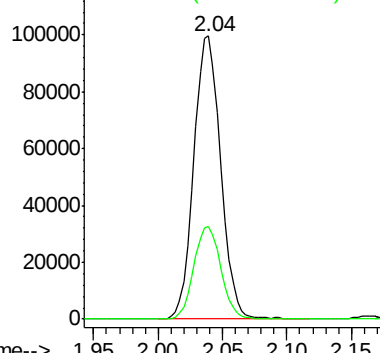
50 100

52 32.9 25.9 38.9

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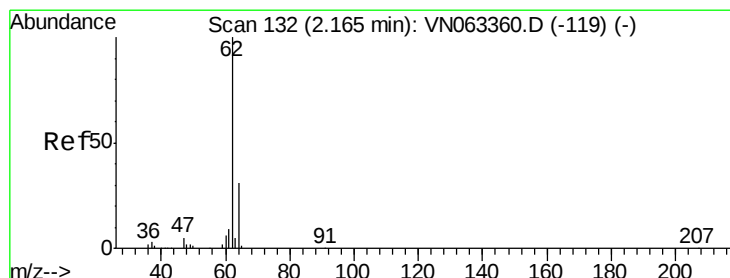


Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



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9/28/2020 5:15:12 PM



#4

Vinyl Chloride

Concen: 47.708 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063671.D

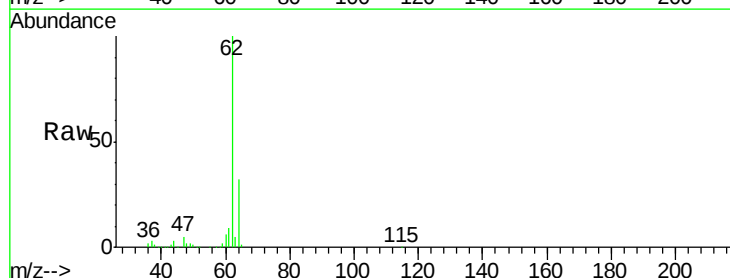
Acq: 25 Sep 2020 9:25

Tgt Ion: 62 Resp: 144892

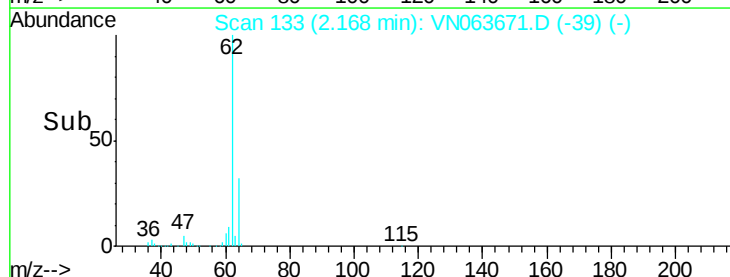
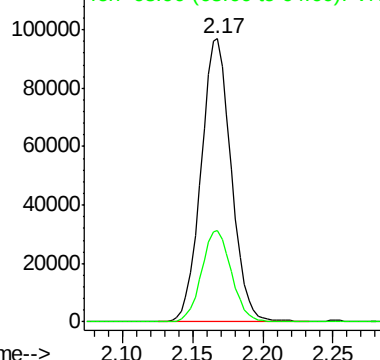
Ion Ratio Lower Upper

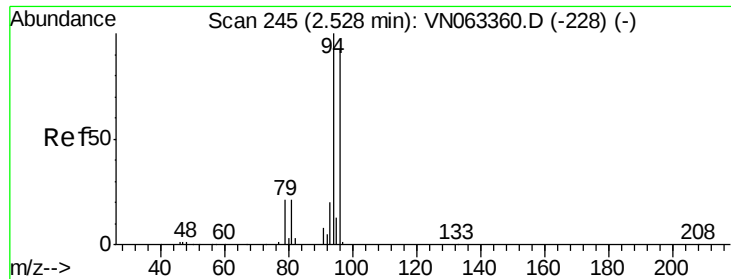
62 100

64 32.1 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 47.819 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

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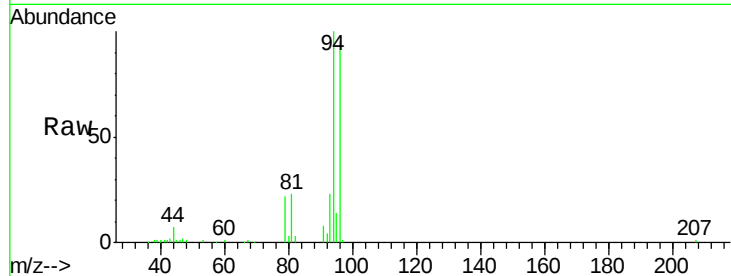
Tot Ion: 94 Resp: 86229

Ion Ratio Lower Upper

94 100

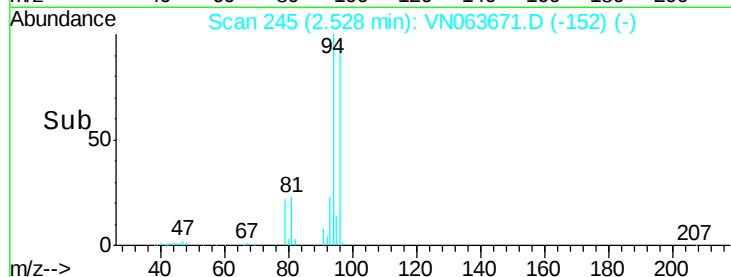
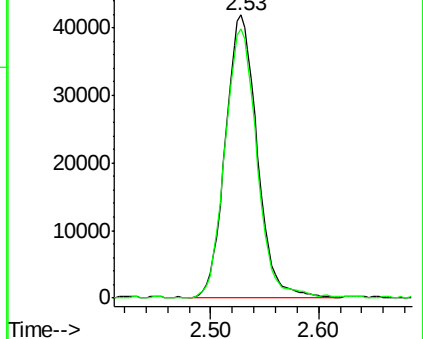
96 95.1 74.5 111.7

Manual Integrations
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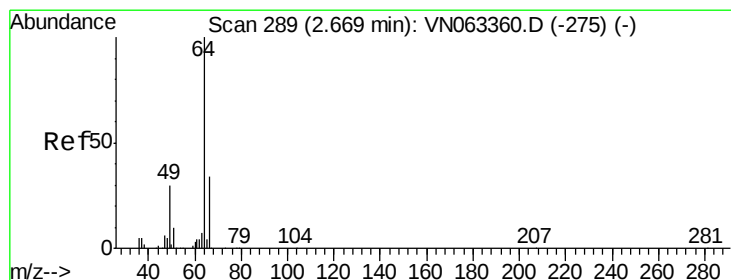
Abundance Ion 93.90 (93.60 to 94.60): VN063360.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VN063360.D (-228) (-)



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9/28/2020 5:15:12 PM



#6

Chloroethane

Concen: 49.419 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063671.D

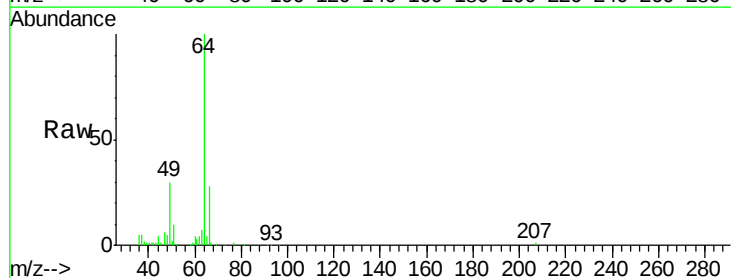
Acq: 25 Sep 2020 9:25

Tgt Ion: 64 Resp: 92130

Ion Ratio Lower Upper

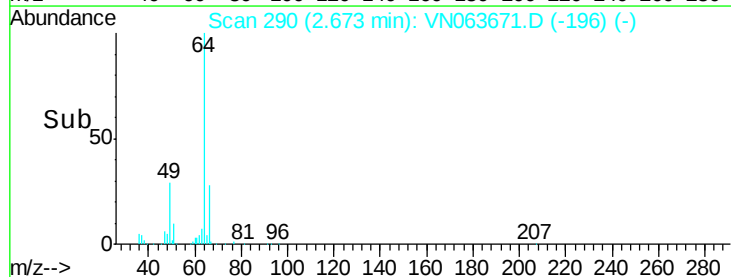
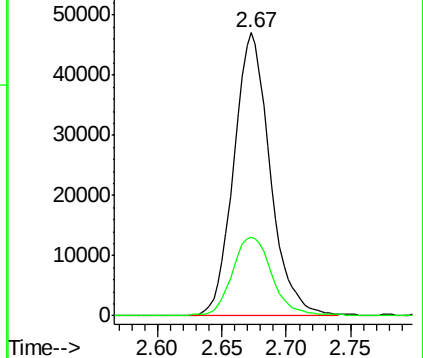
64 100

66 27.9 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN063360.D (-275) (-)

Ion 65.90 (65.60 to 66.60): VN063360.D (-275) (-)





#7

Trichlorofluoromethane

Concen: 51.263 ug/l

RT: 2.99 min Scan# 388

Delta R.T. 0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 232285

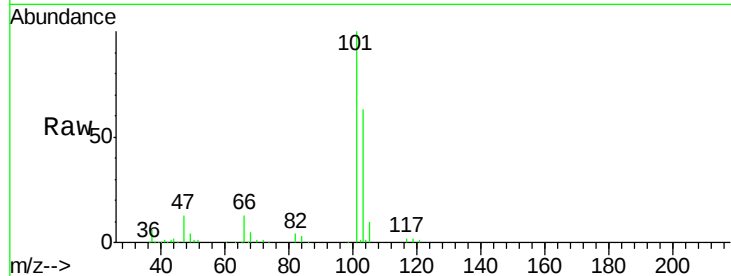
Ion Ratio Lower Upper

101 100

103 62.7 52.3 78.5

Manual Integrations

APPROVED



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

120000

100000

80000

60000

40000

20000

0

2.99

2.90

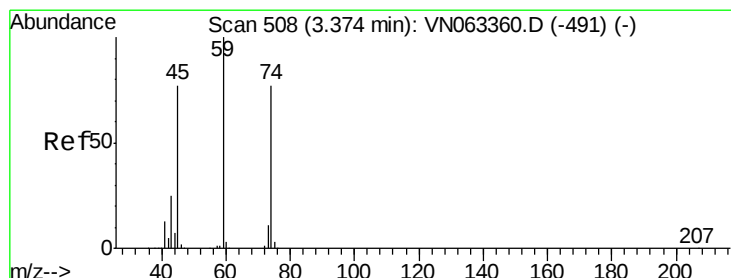
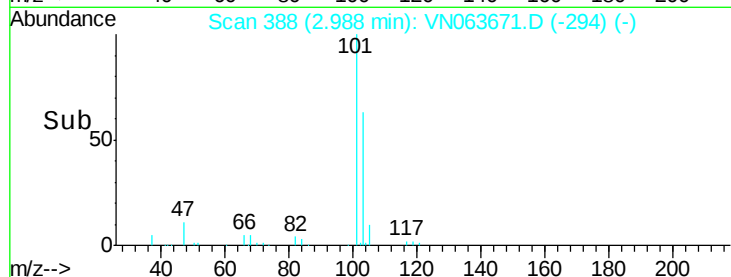
3.00

3.10

Time-->

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9/28/2020 5:15:12 PM



#8

Diethyl Ether

Concen: 48.569 ug/l

RT: 3.37 min Scan# 508

Delta R.T. -0.00 min

Lab File: VN063671.D

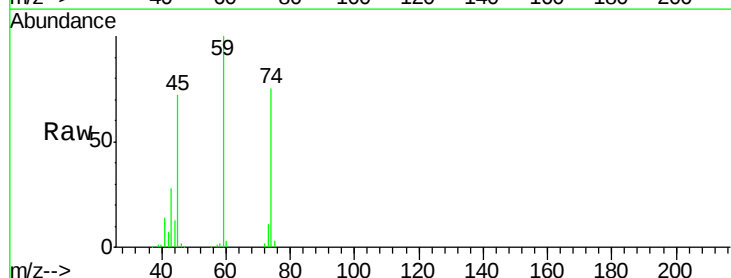
Acq: 25 Sep 2020 9:25

Tgt Ion: 74 Resp: 85793

Ion Ratio Lower Upper

74 100

45 99.2 52.1 156.4



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

40000

30000

20000

10000

0

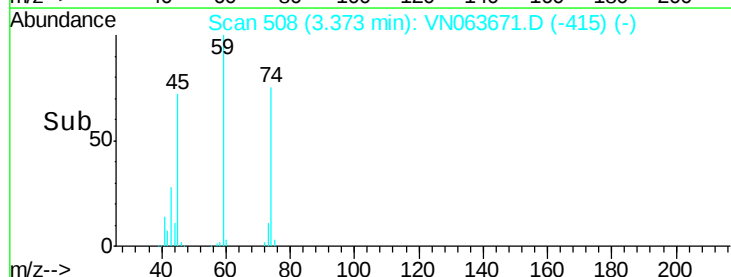
3.37

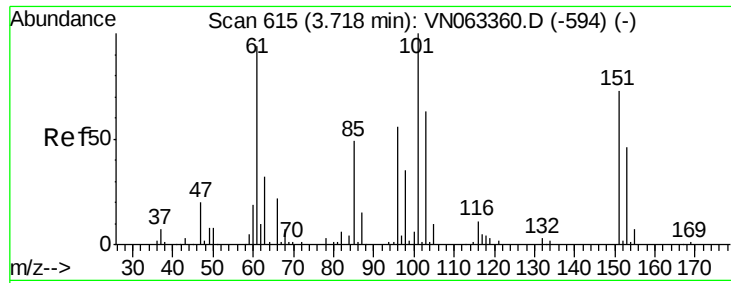
3.30

3.40

3.50

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.434 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Instrument :

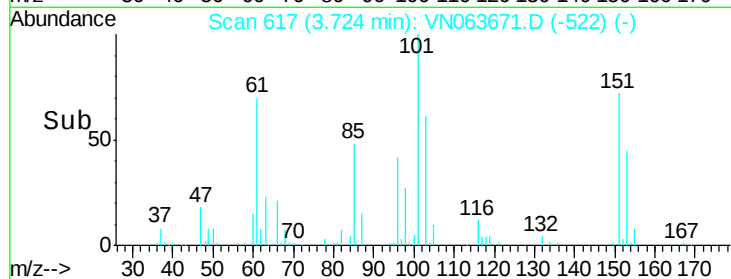
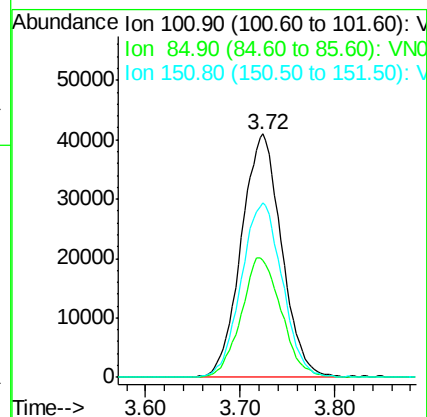
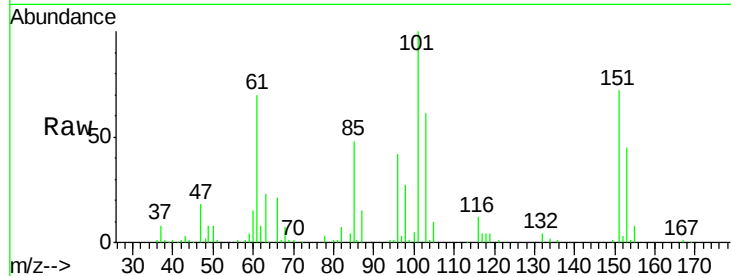
MSVOA_N

ClientSampleId :

VSTDCCC050EC

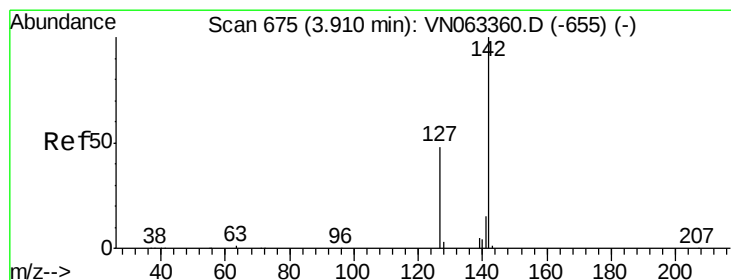
Tot Ion:	101	Resp:	120876
Ion Ratio	Lower	Upper	
101	100		
85	48.9	37.7	56.5
151	73.0	57.7	86.5

Manual Integrations
APPROVED



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#10

Methyl Iodide

Concen: 47.951 ug/l

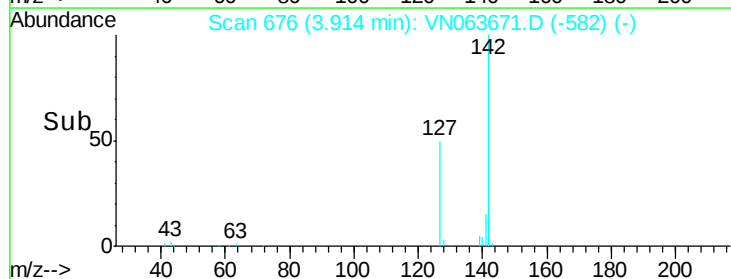
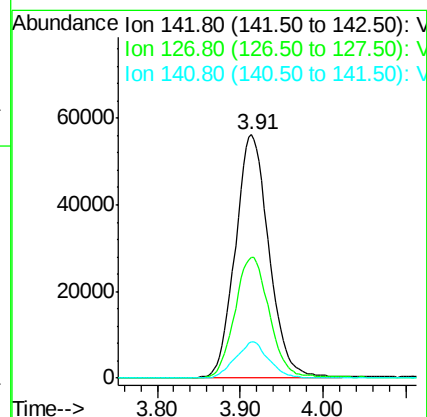
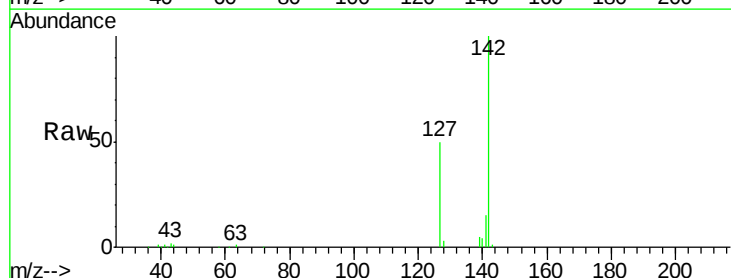
RT: 3.91 min Scan# 676

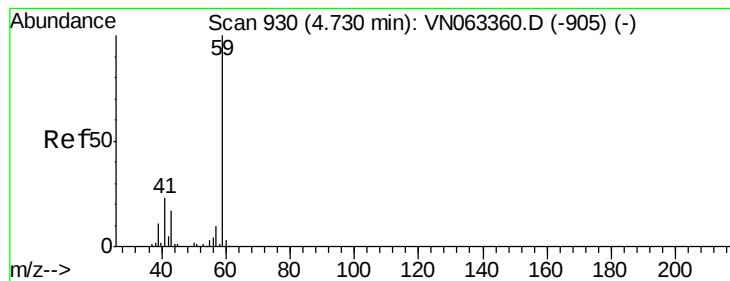
Delta R.T. 0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Tgt Ion:	142	Resp:	159087
Ion Ratio	Lower	Upper	
142	100		
127	51.0	39.0	58.6
141	14.6	11.6	17.4





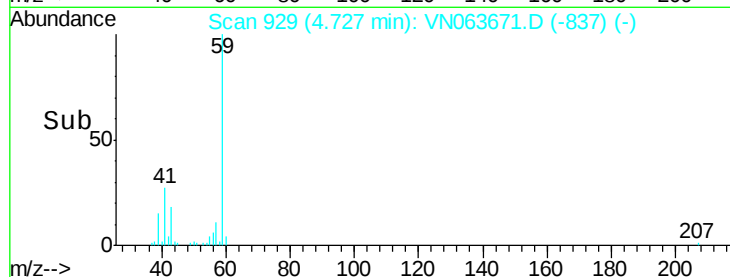
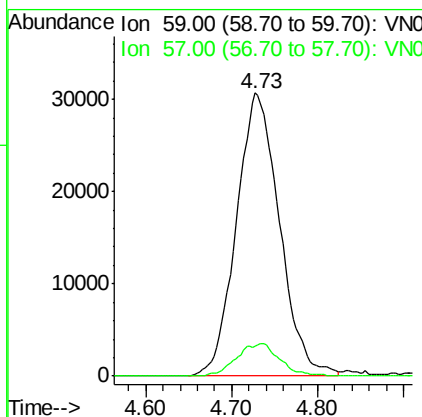
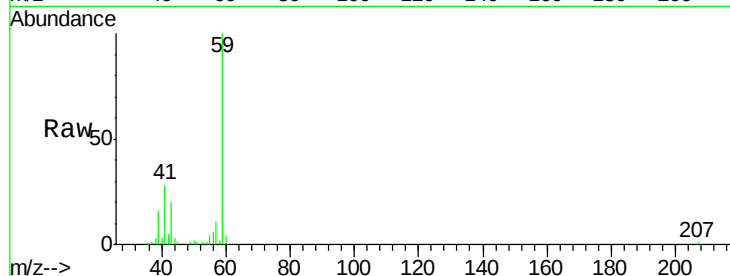
#11

Tert butyl alcohol
 Concen: 198.402 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN063671.D
 Acq: 25 Sep 2020 9:25

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

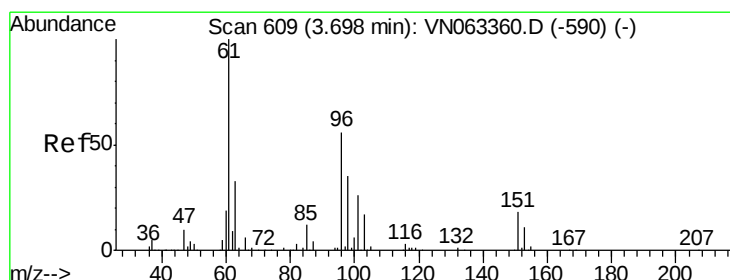
Tot Ion	59	Resp	107014
Ion Ratio	100	Lower	Upper
57	11.5	8.4	12.6

Manual Integrations
 APPROVED



MMDadoda

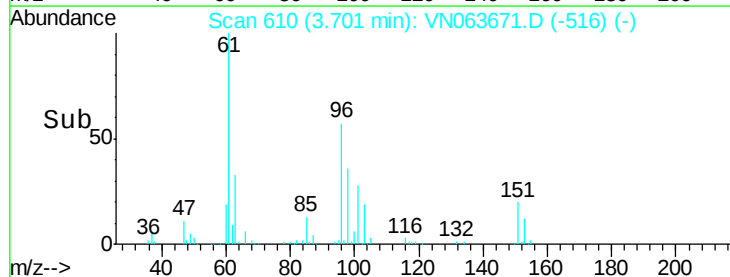
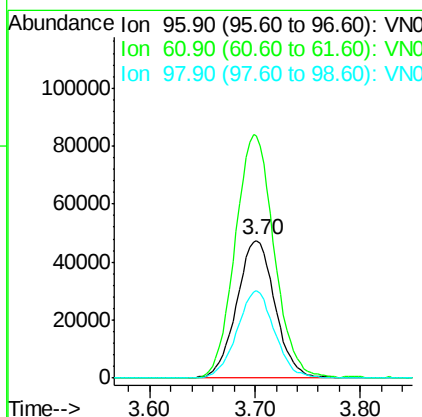
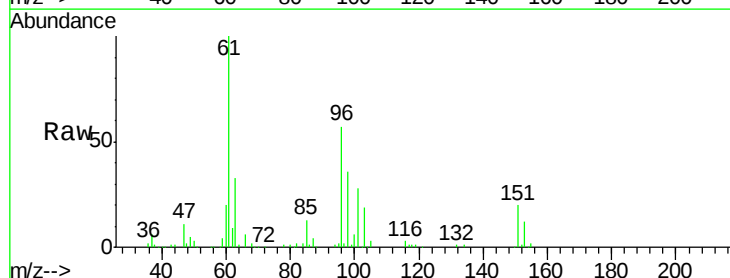
9/28/2020 5:15:12 PM

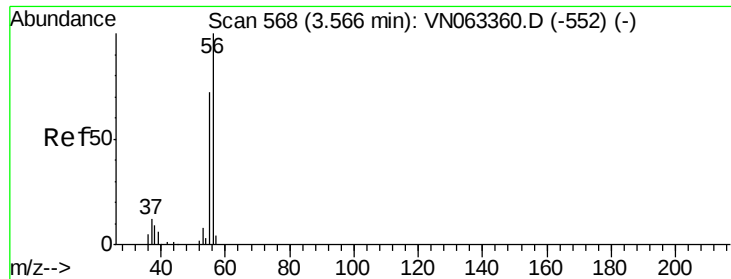


#12

1,1-Dichloroethene
 Concen: 46.340 ug/l
 RT: 3.70 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN063671.D
 Acq: 25 Sep 2020 9:25

Tgt Ion	96	Resp	119609
Ion Ratio	100	Lower	Upper
61	175.5	143.4	215.2
98	63.5	50.6	76.0





#13

Acrolein

Concen: 277.032 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

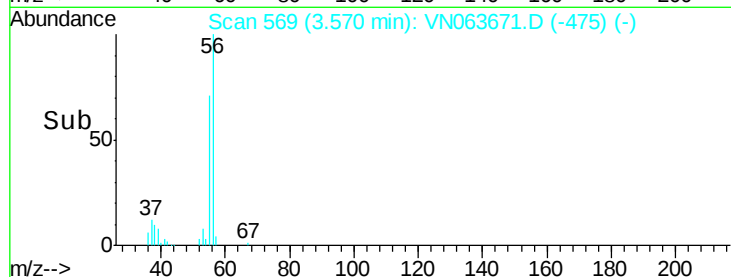
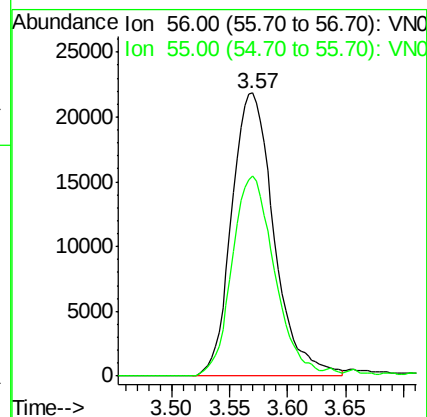
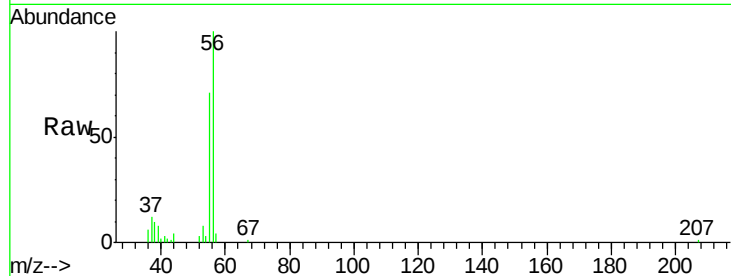
Tot Ion: 56 Resp: 55375

Ion Ratio Lower Upper

56 100

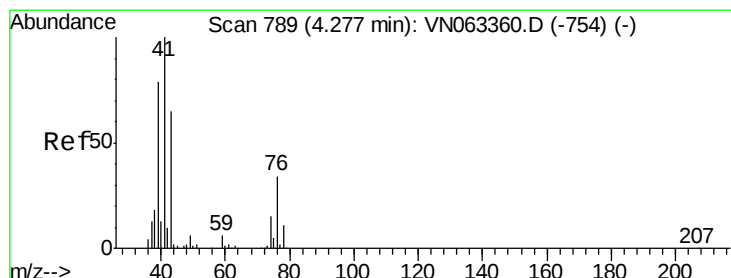
55 70.7 58.2 87.2

Manual Integrations
APPROVED



MMDadoda

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#14

Allyl chloride

Concen: 41.625 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

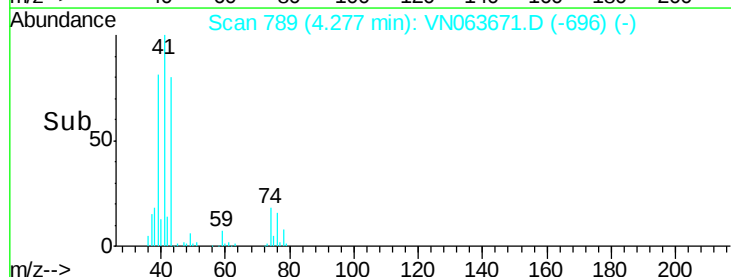
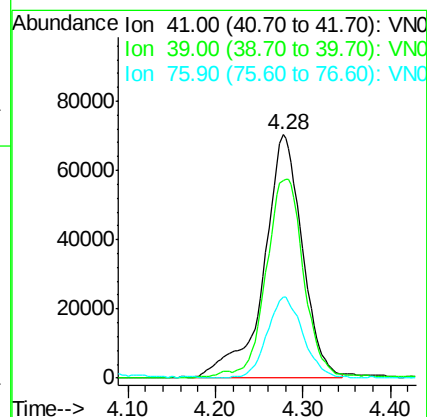
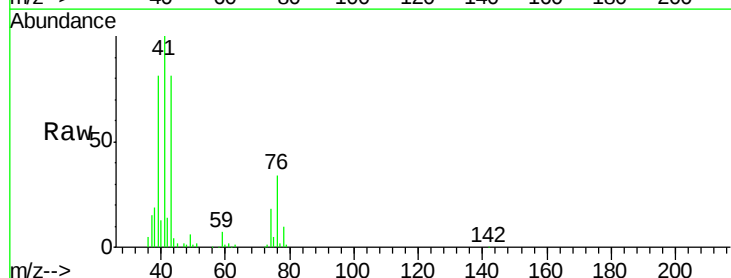
Tgt Ion: 41 Resp: 212517

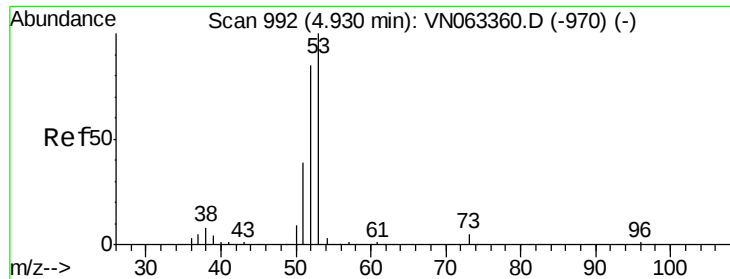
Ion Ratio Lower Upper

41 100

39 78.3 59.3 88.9

76 30.6 25.3 37.9





#15

Acrylonitrile

Concen: 243.197 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Instrument :

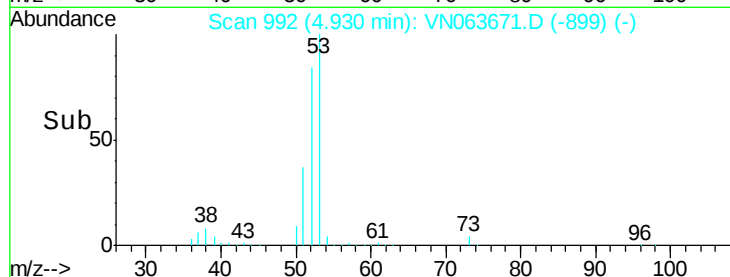
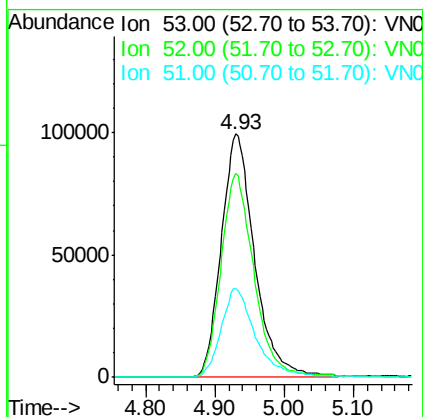
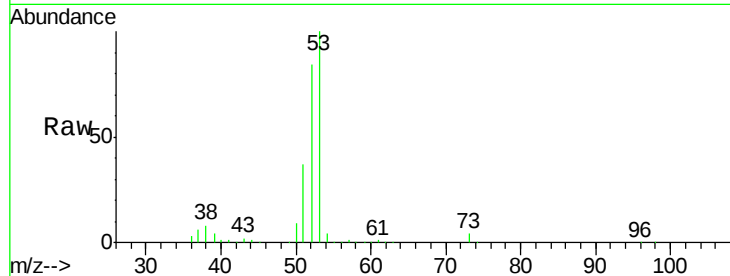
MSVOA_N

ClientSampled :

VSTDCCC050EC

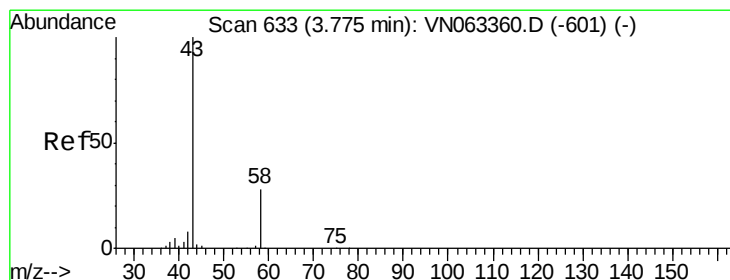
Tot Ion:	53	Resp:	333668
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.4	99.6
51	37.4	30.2	45.4

Manual Integrations
APPROVED



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#16

Acetone

Concen: 251.005 ug/l

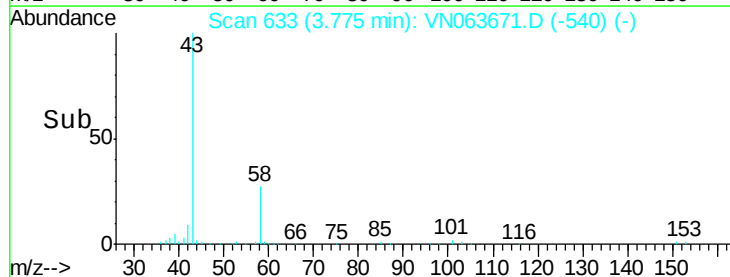
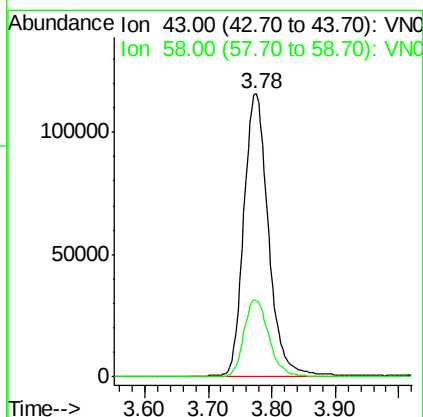
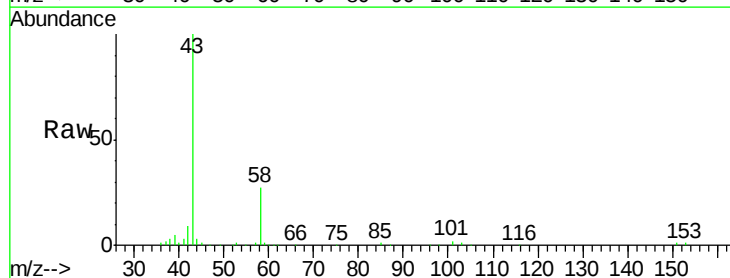
RT: 3.78 min Scan# 633

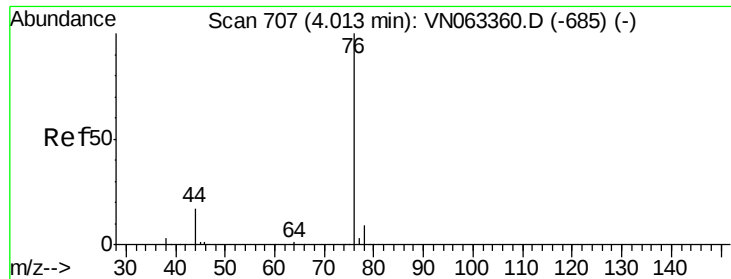
Delta R.T. -0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Tgt Ion:	43	Resp:	314080
Ion Ratio	Lower	Upper	
43	100		
58	26.9	22.3	33.5



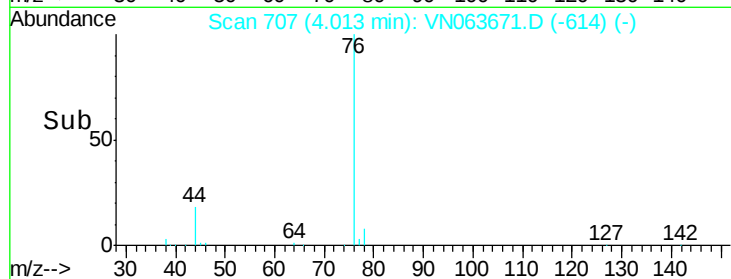
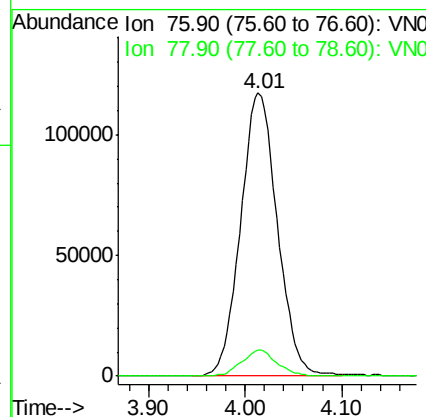
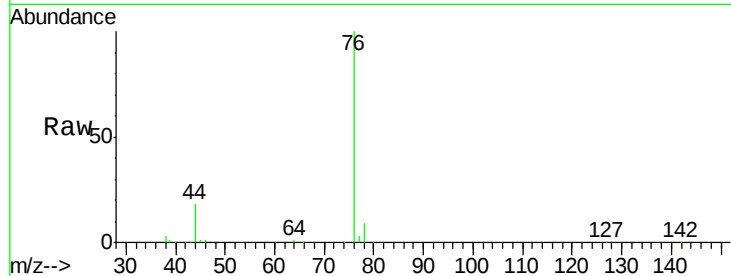


#17
Carbon Disulfide
Concen: 41.245 ug/l
RT: 4.01 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

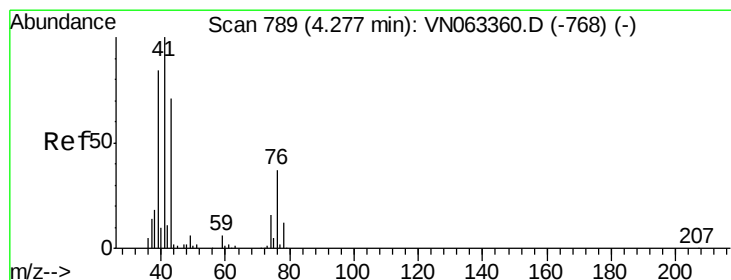
Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

Manual Integrations
APPROVED



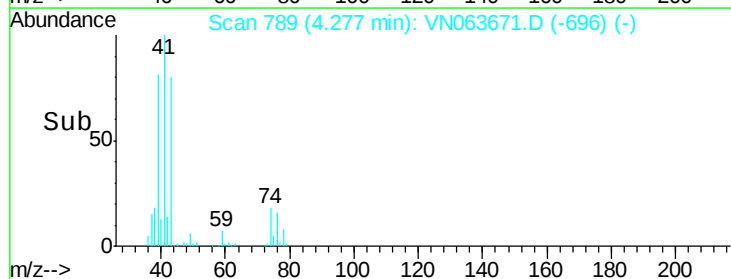
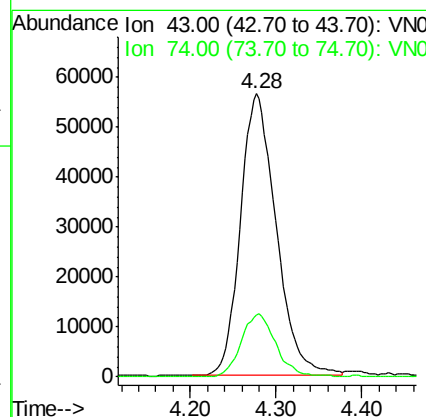
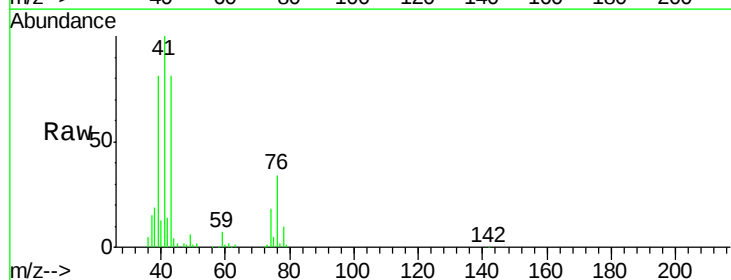
MMDadoda

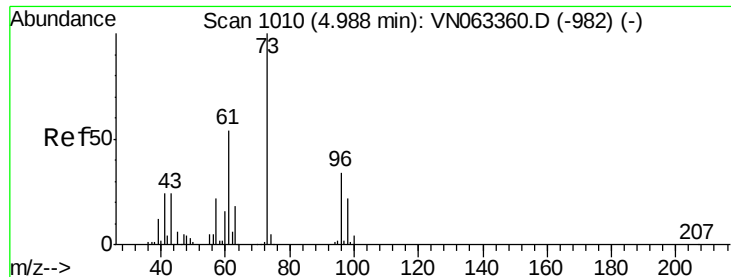
9/28/2020 5:15:12 PM



#18
Methyl Acetate
Concen: 51.426 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2



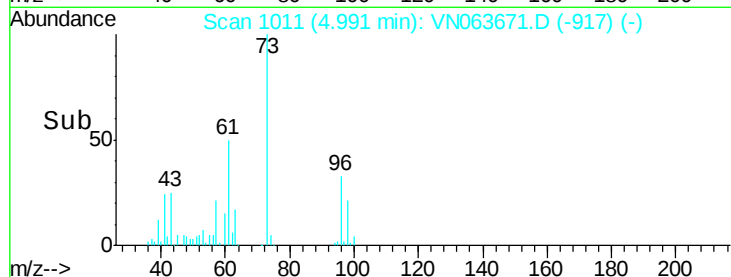
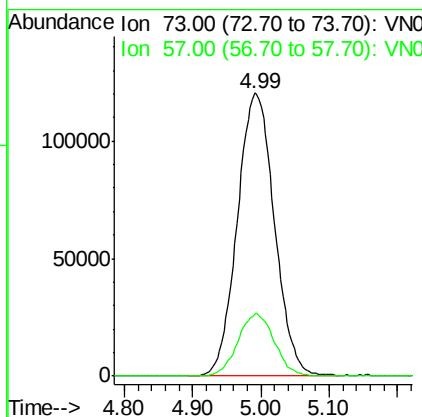
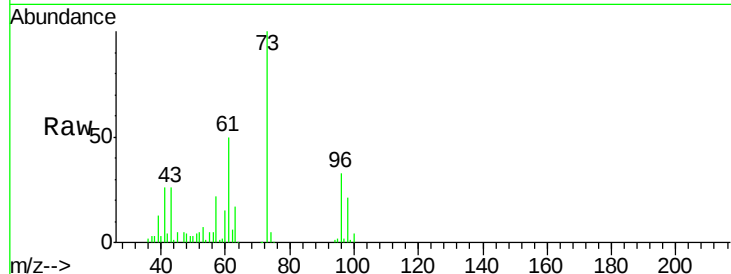


#19
Methvl tert-butvl Ether
Concen: 47.300 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

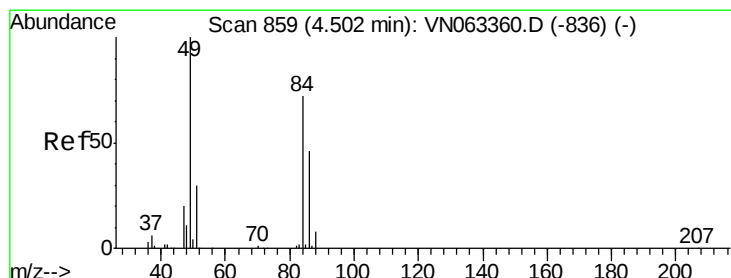
Tot Ion: 73 Resp: 455023
Ion Ratio Lower Upper
73 100
57 21.9 17.9 26.9

Manual Integrations
APPROVED



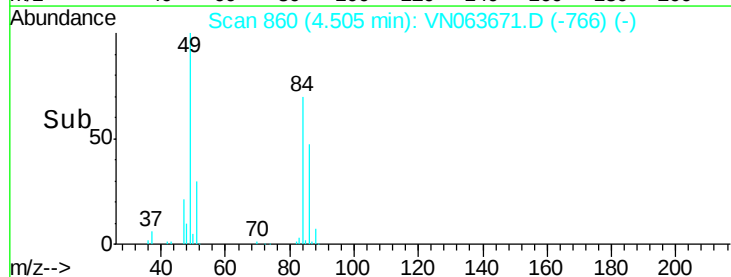
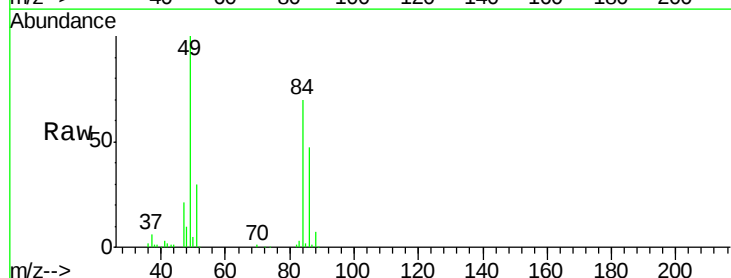
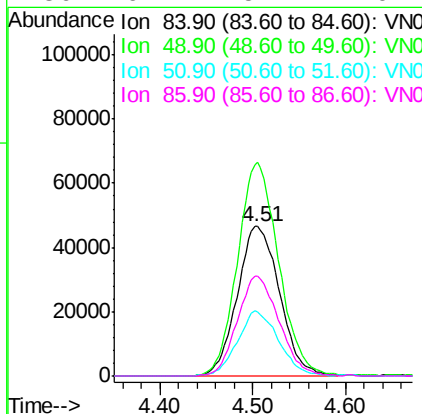
MMDadoda

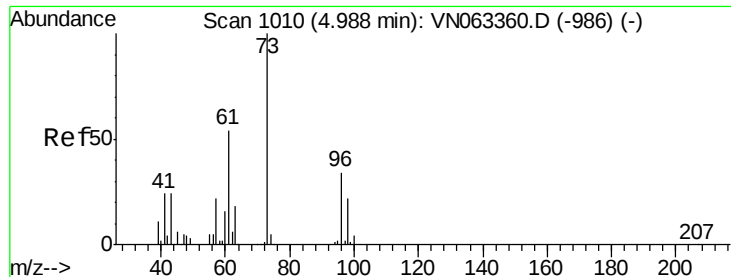
9/28/2020 5:15:12 PM



#20
Methylene Chloride
Concen: 46.455 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Tgt Ion: 84 Resp: 147277
Ion Ratio Lower Upper
84 100
49 142.8 110.7 166.1
51 42.9 32.9 49.3
86 67.2 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 46.581 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Instrument :

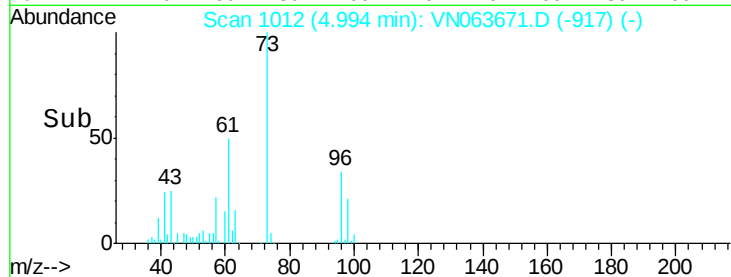
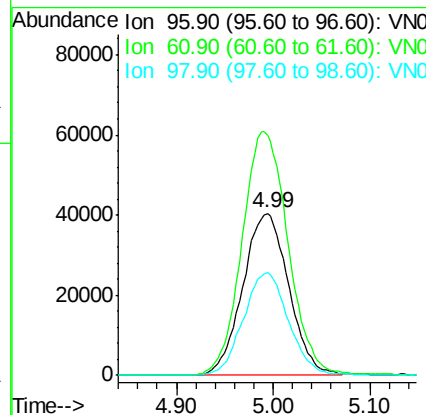
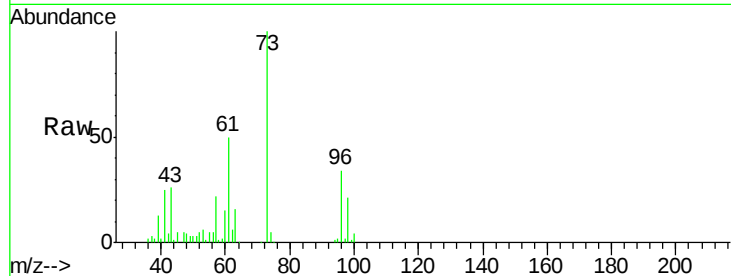
MSVOA_N

ClientSampled :

VSTDCCC050EC

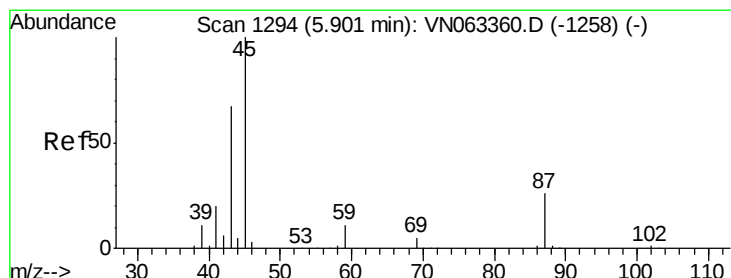
Tot Ion:	96	Resp:	133206
Ion	Ratio	Lower	Upper
96	100		
61	148.0	126.2	189.4
98	63.2	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.670 ug/l

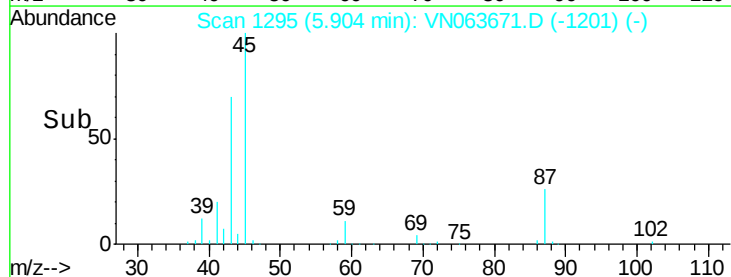
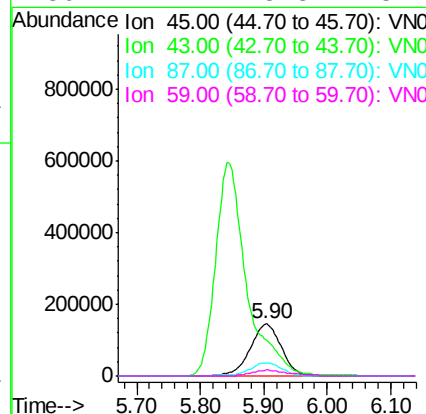
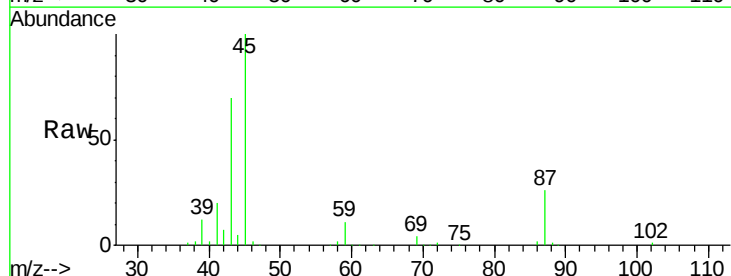
RT: 5.90 min Scan# 1295

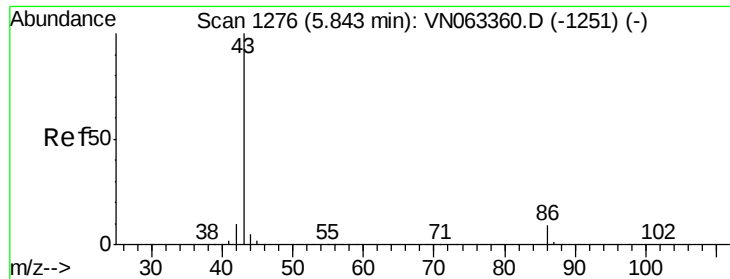
Delta R.T. 0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Tgt Ion:	45	Resp:	496361
Ion	Ratio	Lower	Upper
45	100		
43	68.2	53.5	80.3
87	25.8	21.2	31.8
59	11.1	8.8	13.2



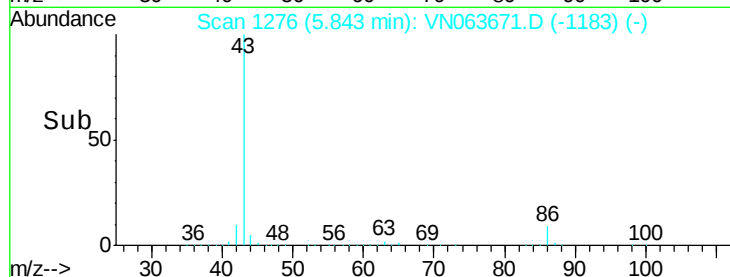
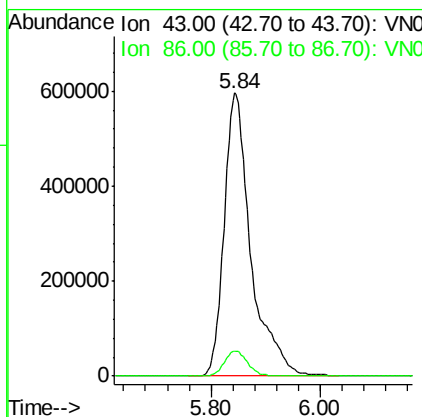
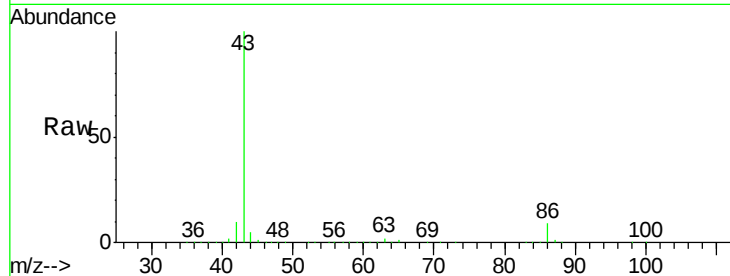


#23
 Vinyl Acetate
 Concen: 236.946 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN063671.D
 Acq: 25 Sep 2020 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

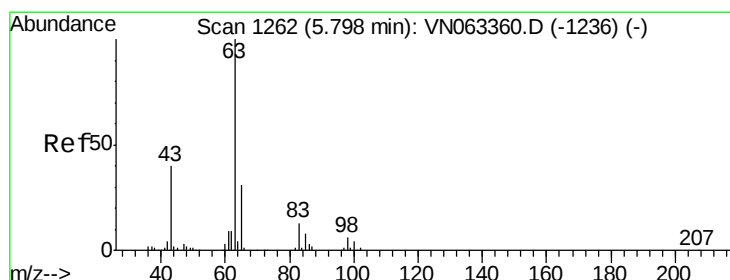
Tot Ion: 43 Resp: 2026237
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.1 10.7

Manual Integrations
 APPROVED



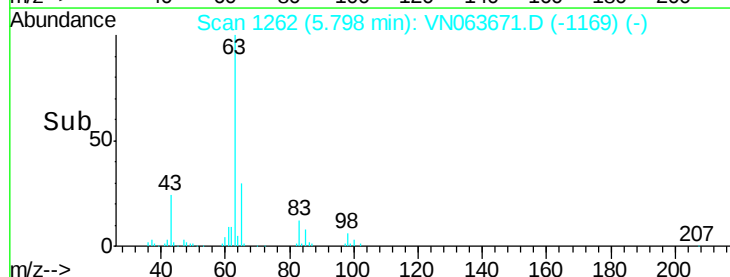
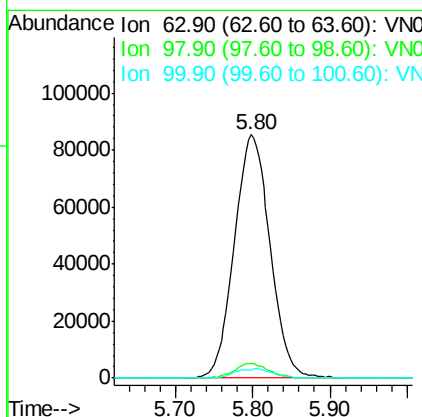
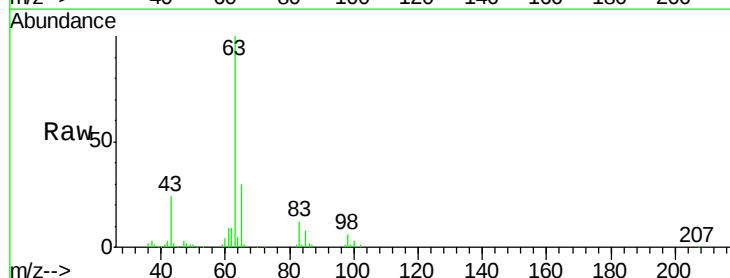
MMDadoda

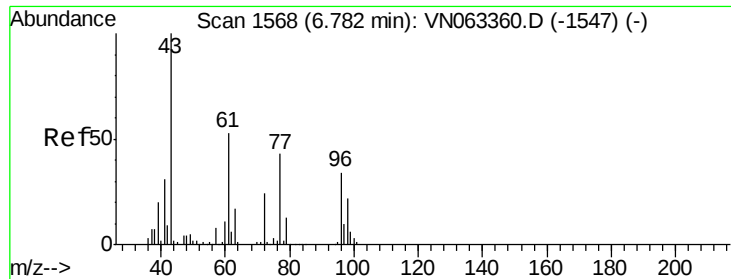
9/28/2020 5:15:12 PM



#24
 1,1-Dichloroethane
 Concen: 48.145 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN063671.D
 Acq: 25 Sep 2020 9:25

Tgt Ion: 63 Resp: 273693
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.8
 100 3.5 2.1 6.3





#25

2-Butanone

Concen: 238.722 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

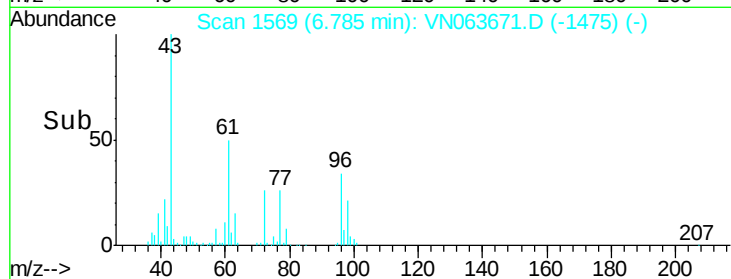
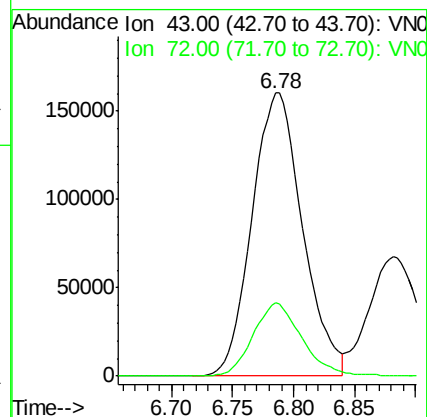
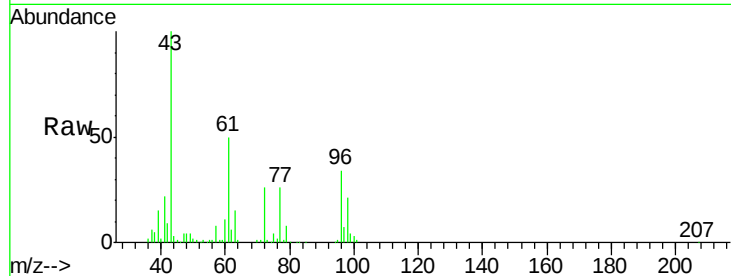
Tot Ion: 43 Resp: 459410

Ion Ratio Lower Upper

43 100

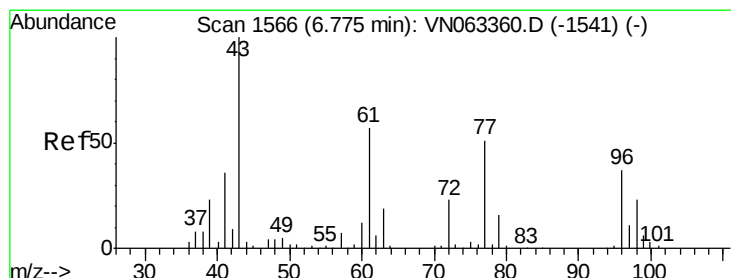
72 26.1 19.2 28.8

Manual Integrations
APPROVED



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9/28/2020 5:15:12 PM



#26

2,2-Dichloropropane

Concen: 28.384 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063671.D

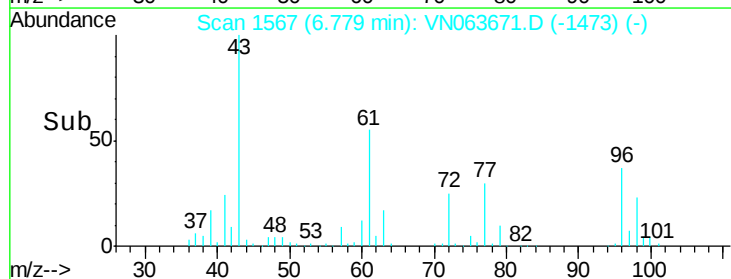
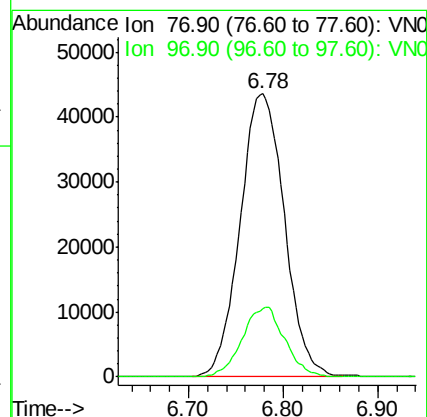
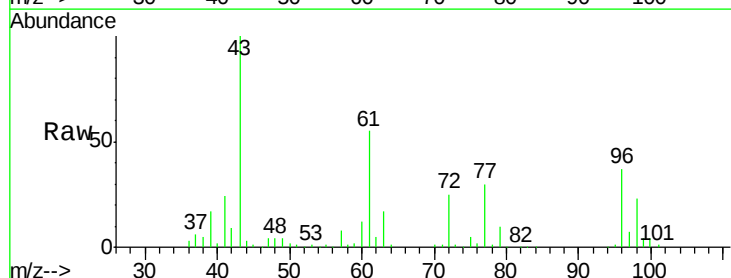
Acq: 25 Sep 2020 9:25

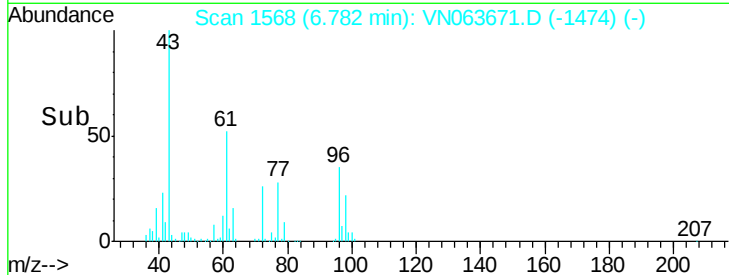
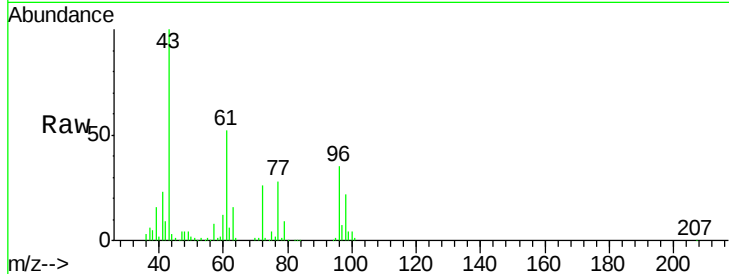
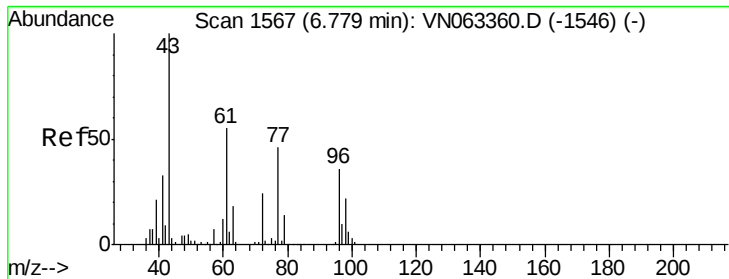
Tgt Ion: 77 Resp: 142065

Ion Ratio Lower Upper

77 100

97 23.5 10.5 31.6



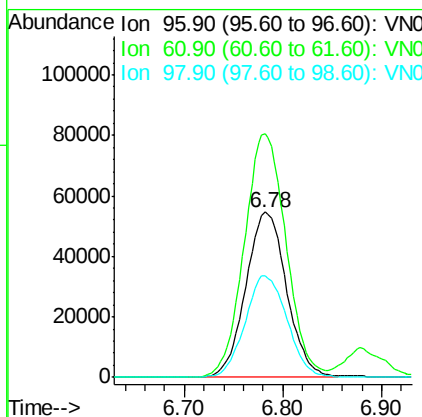


#27
 cis-1,2-Dichloroethene
 Concen: 48.388 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN063671.D
 Acq: 25 Sep 2020 9:25

Tot Ion	Ratio	Resp	Lower	Upper
96	100	156620		
61	150.5		0.0	319.6
98	63.2		0.0	127.8

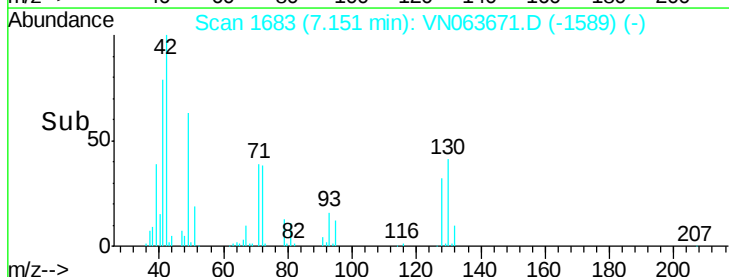
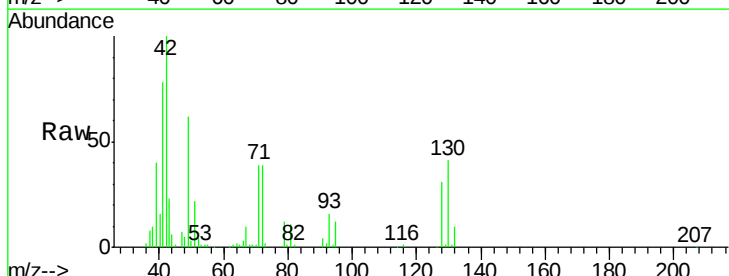
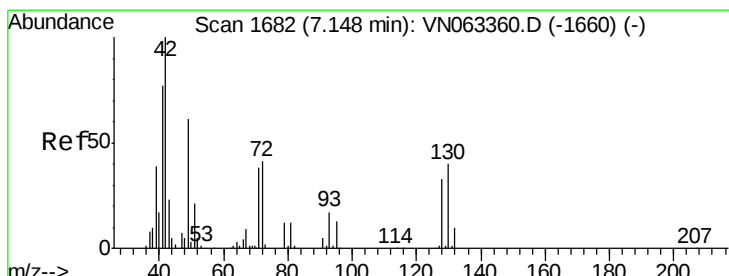
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Manual Integrations
 APPROVED



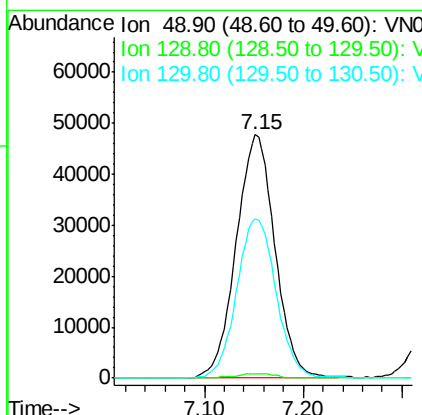
MMDadoda

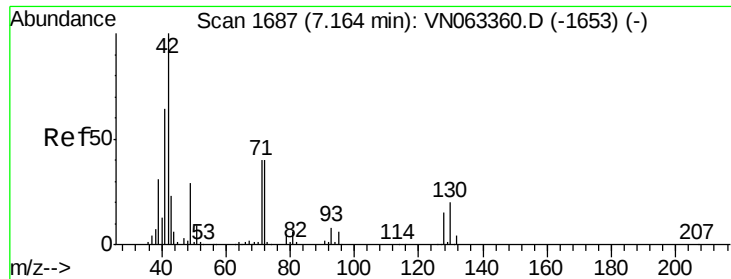
9/28/2020 5:15:12 PM



#28
 Bromochloromethane
 Concen: 49.522 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN063671.D
 Acq: 25 Sep 2020 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	129985		
129	1.8		0.0	3.8
130	66.4		52.2	78.2





#29

Tetrahydrofuran

Concen: 232.813 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Instrument :

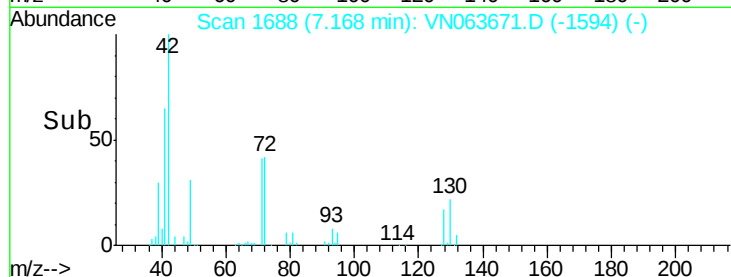
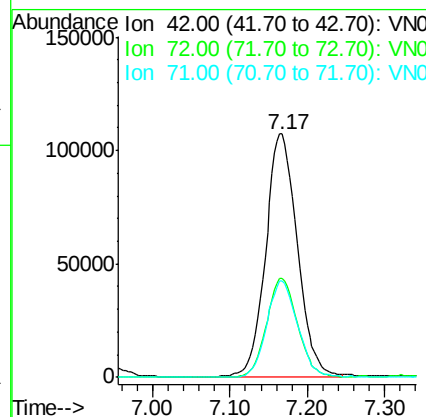
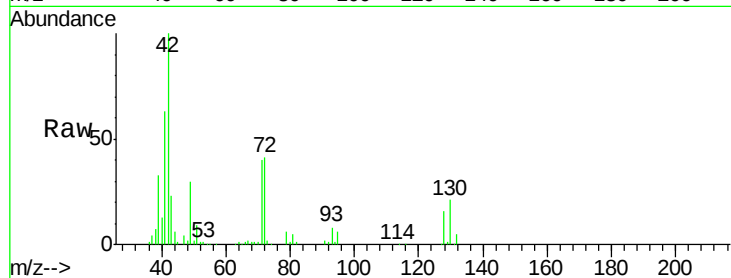
MSVOA_N

ClientSampleId :

VSTDCCC050EC

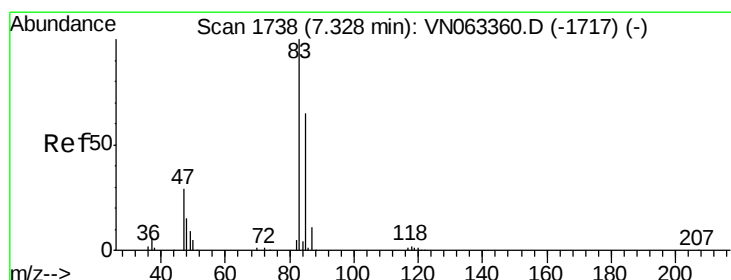
Tot Ion:	42	Resp:	306001
Ion Ratio		Lower	Upper
42	100		
72	39.7	32.1	48.1
71	38.6	31.2	46.8

Manual Integrations
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9/28/2020 5:15:12 PM



#30

Chloroform

Concen: 49.798 ug/l

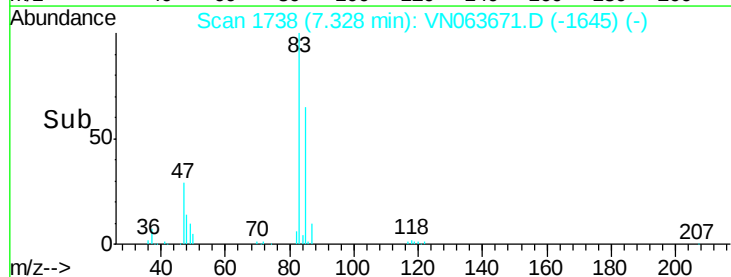
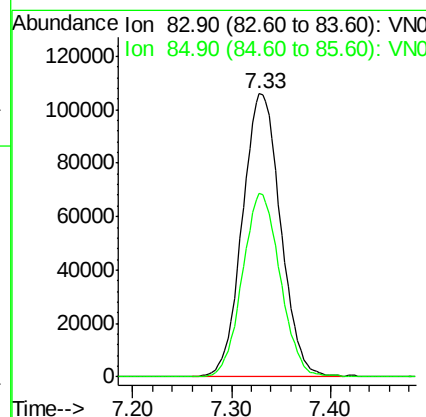
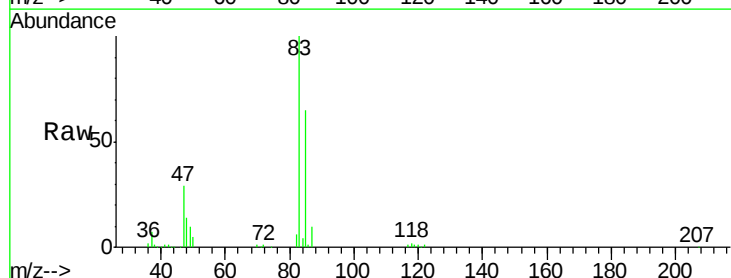
RT: 7.33 min Scan# 1738

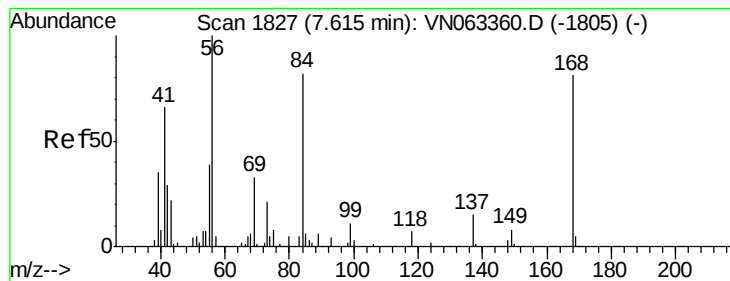
Delta R.T. -0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Tgt Ion:	83	Resp:	284023
Ion Ratio		Lower	Upper
83	100		
85	64.9	52.1	78.1





#31

Cyclohexane

Concen: 40.367 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 56 Resp: 217065

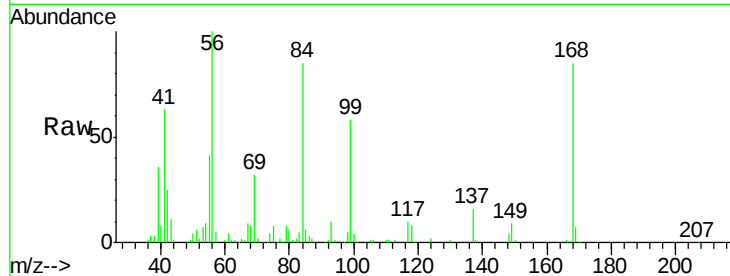
Ion Ratio Lower Upper

56 100

69 31.7 26.1 39.1

84 83.7 65.4 98.2

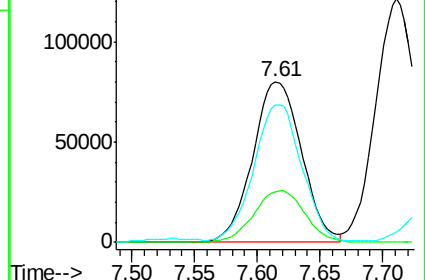
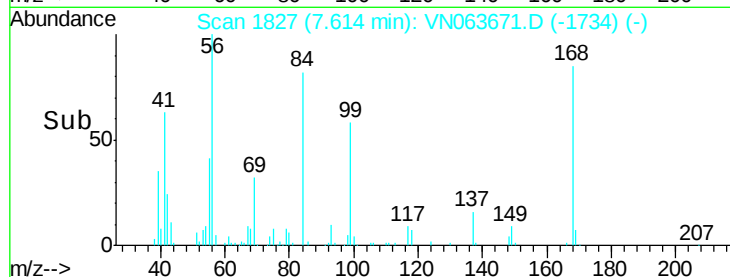
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN063671.D (-1734) (-)

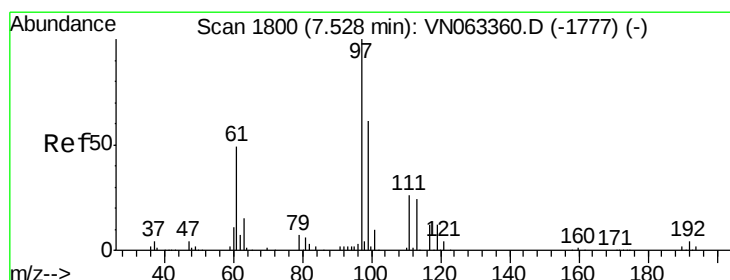
Ion 69.00 (68.70 to 69.70): VN063671.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN063671.D (-1734) (-)



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9/28/2020 5:15:12 PM



#32

1,1,1-Trichloroethane

Concen: 49.029 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

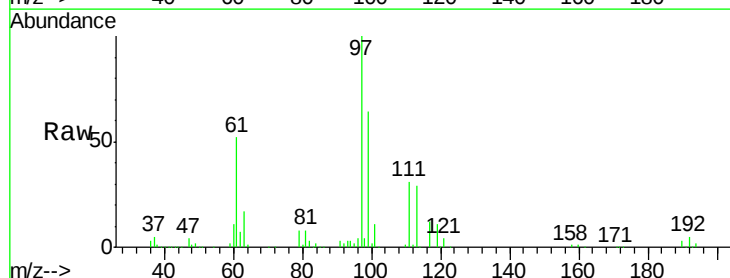
Tgt Ion: 97 Resp: 248717

Ion Ratio Lower Upper

97 100

99 64.6 50.6 76.0

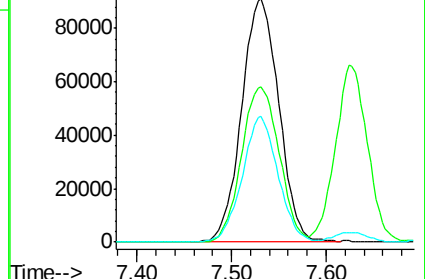
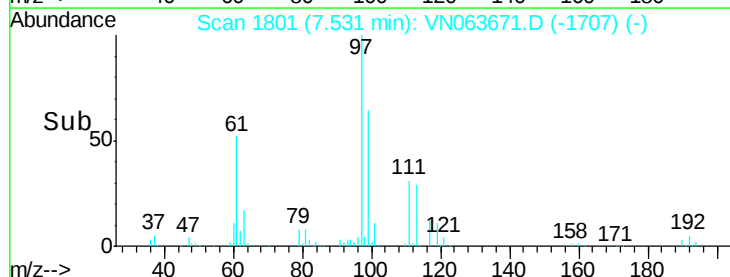
61 49.4 39.2 58.8

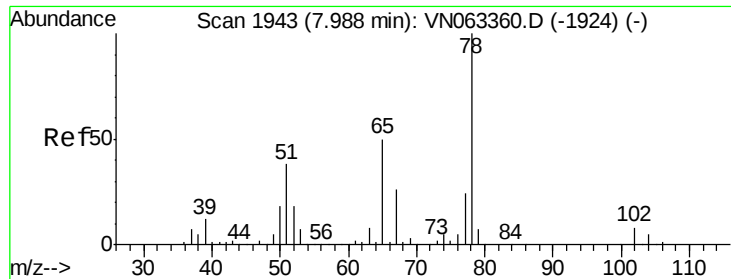


Abundance Ion 96.90 (96.60 to 97.60): VN063671.D (-1707) (-)

Ion 98.90 (98.60 to 99.60): VN063671.D (-1707) (-)

Ion 60.90 (60.60 to 61.60): VN063671.D (-1707) (-)



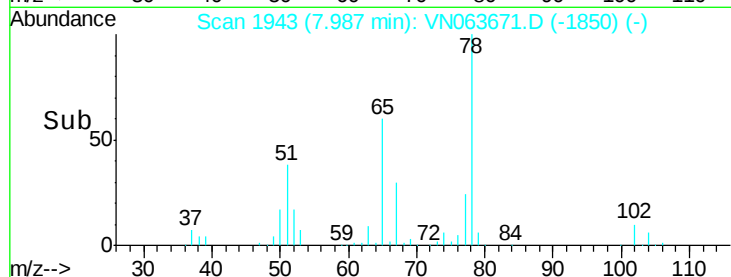
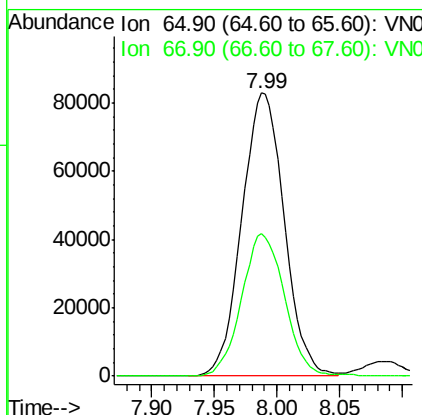
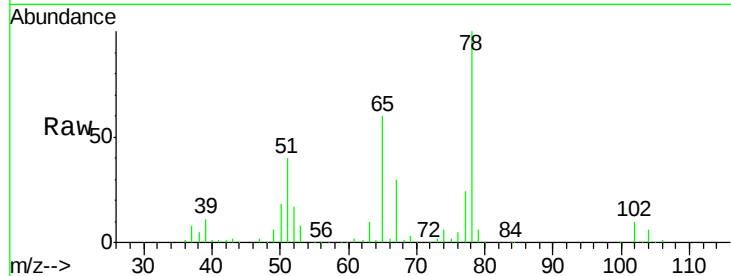


#33
 1,2-Dichloroethane-d4
 Concen: 50.141 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063671.D
 Acq: 25 Sep 2020 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

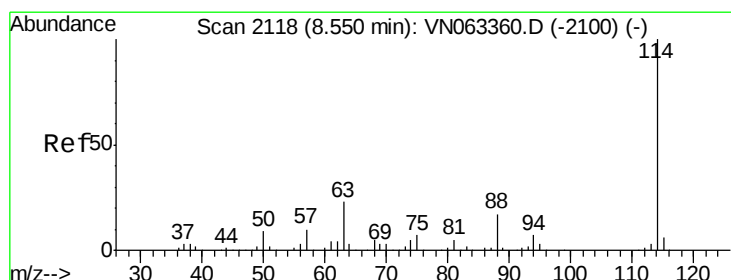
Tot Ion	Ratio	Resp	Lower	Upper
65	100	195223		
67	50.7	0.0	104.2	

Manual Integrations
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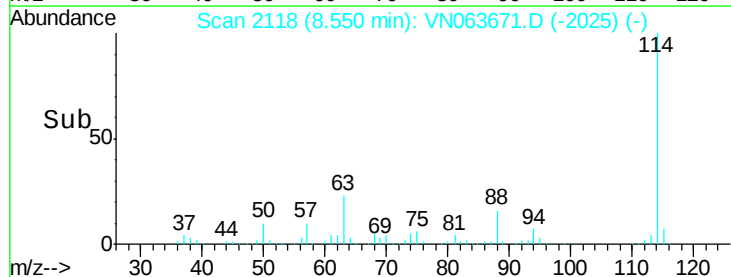
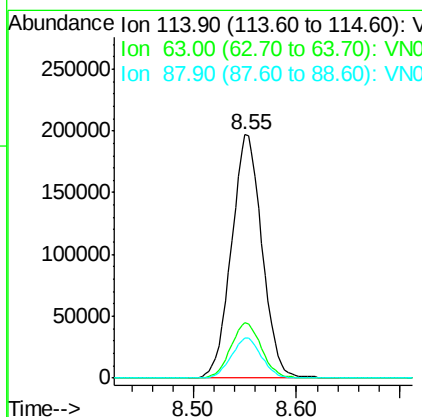
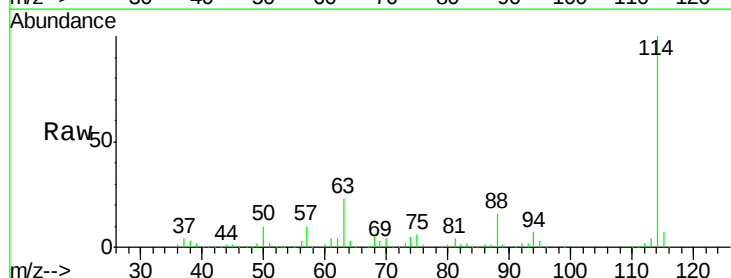
MMDadoda

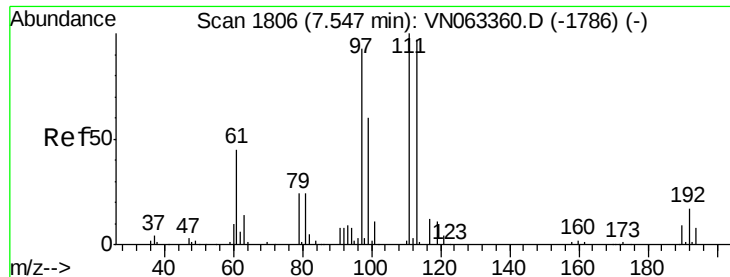
9/28/2020 5:15:12 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063671.D
 Acq: 25 Sep 2020 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	407487		
63	22.6	0.0	46.4	
88	16.5	0.0	33.2	



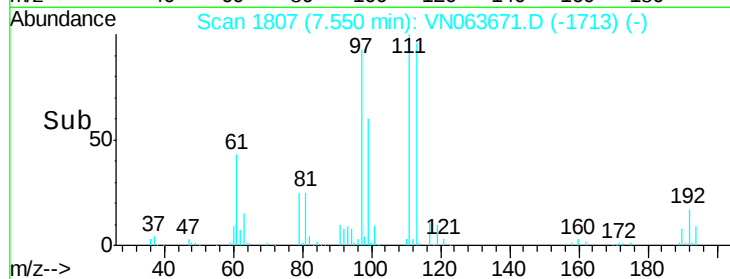
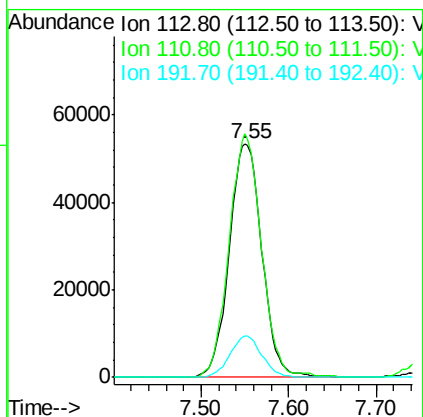
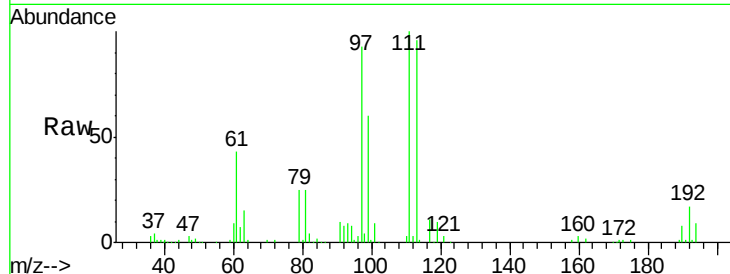


#35
Dibromofluoromethane
Concen: 49.113 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

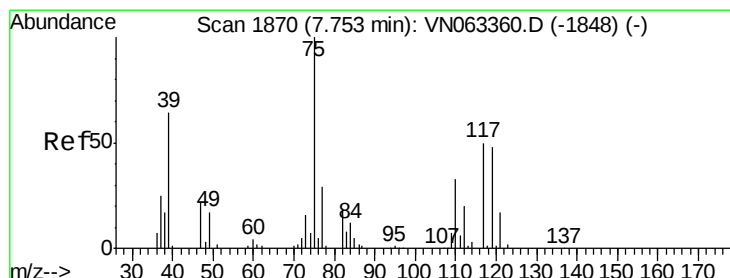
Tot Ion	Ratio	Resp	Lower	Upper
113	100	138546		
111	102.1	82.9	124.3	
192	17.3	13.9	20.9	

Manual Integrations
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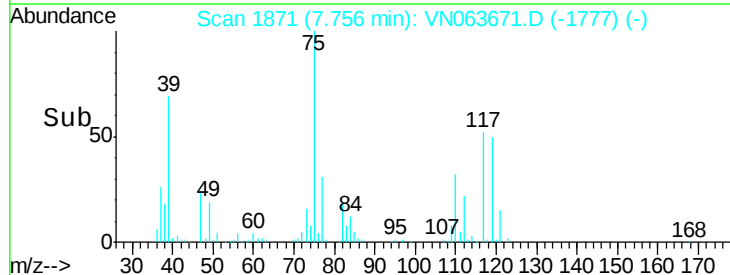
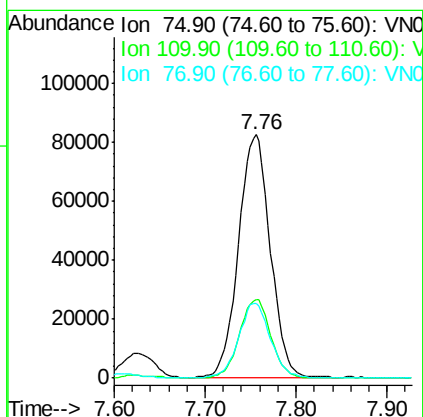
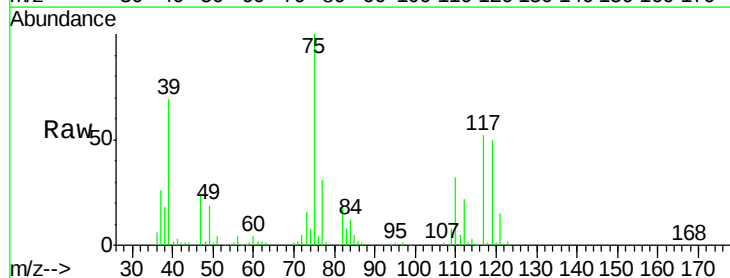
MMDadoda

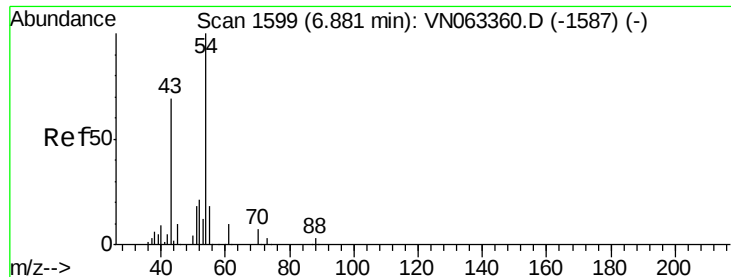
9/28/2020 5:15:12 PM



#36
1,1-Dichloropropene
Concen: 46.057 ug/l
RT: 7.76 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	199943		
110	32.1	16.5	49.5	
77	31.0	24.6	36.8	



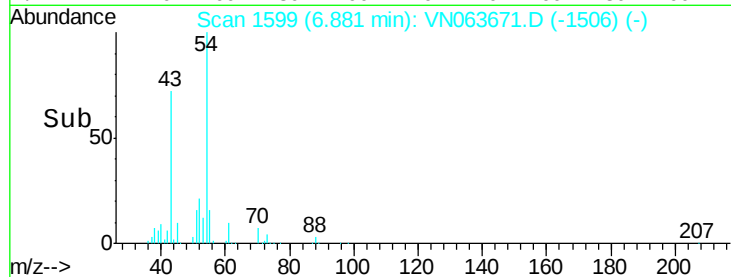
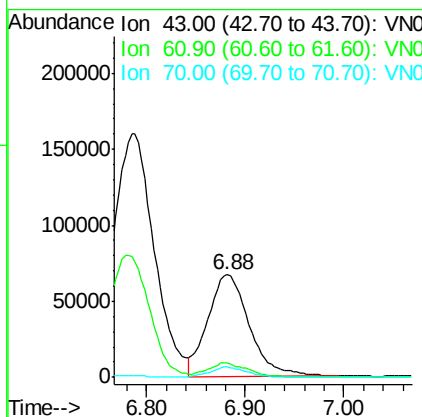
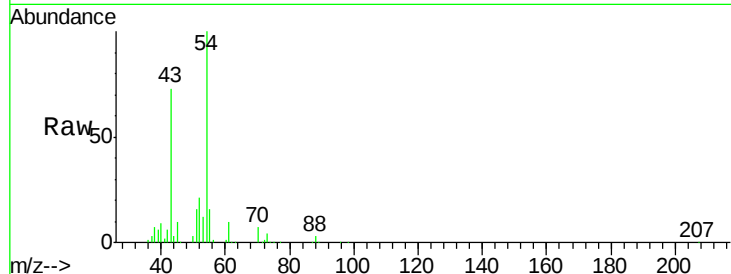


#37
Ethyl Acetate
Concen: 46.062 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

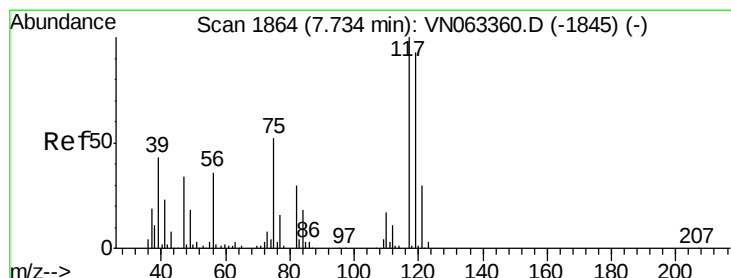
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.6	15.8
70	9.1	7.2	10.8

Manual Integrations
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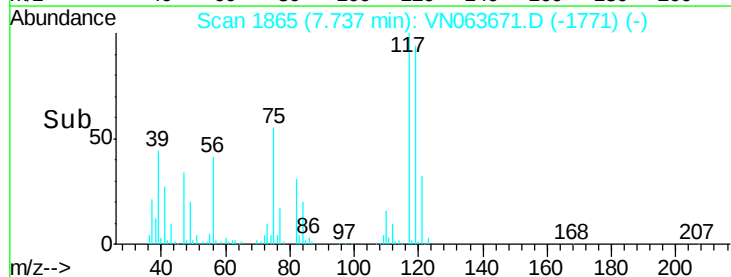
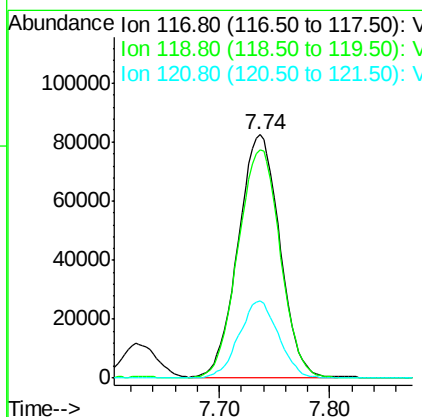
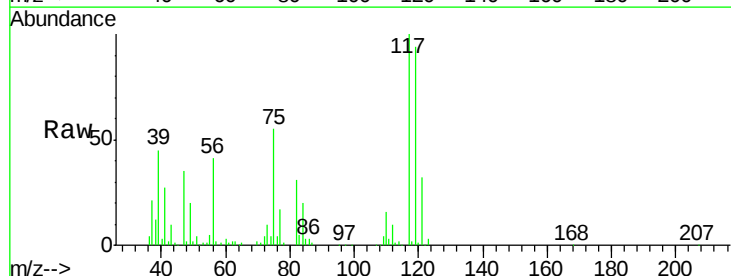
MMDadoda

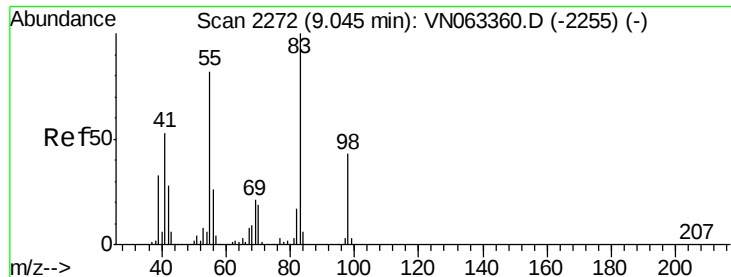
9/28/2020 5:15:12 PM



#38
Carbon Tetrachloride
Concen: 48.389 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	74.5	111.7
121	31.8	24.1	36.1



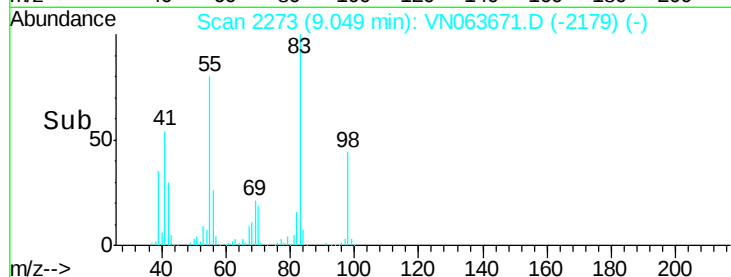
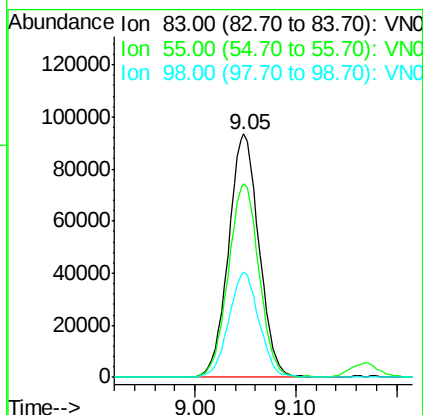
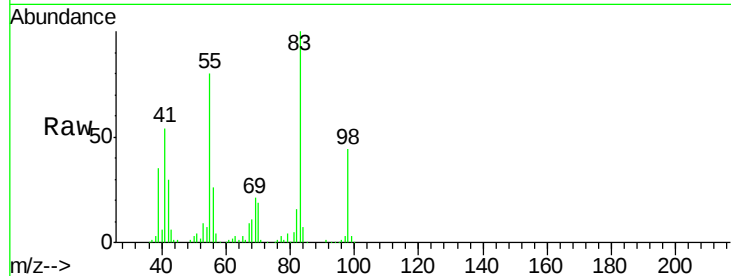


#39
Methvlcvclohexane
Concen: 41.590 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

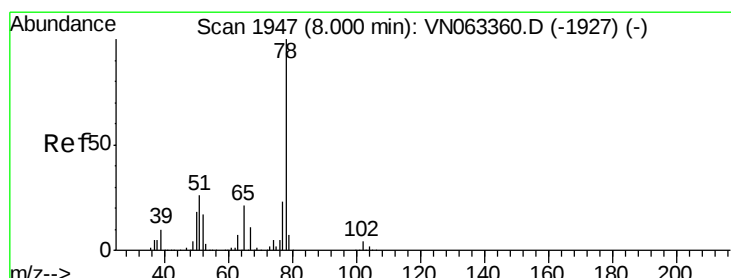
Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	65.5	98.3
98	43.5	34.2	51.4

Manual Integrations
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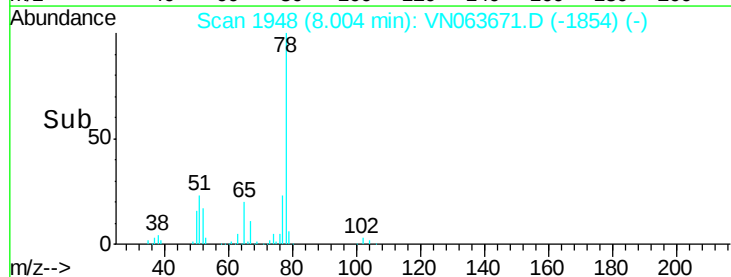
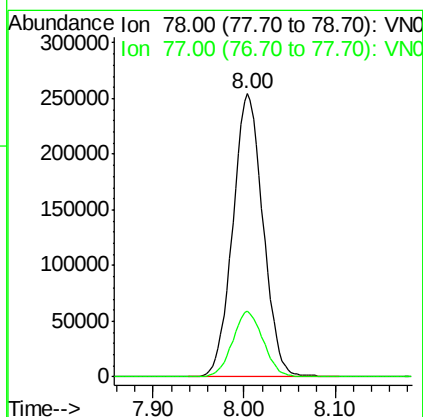
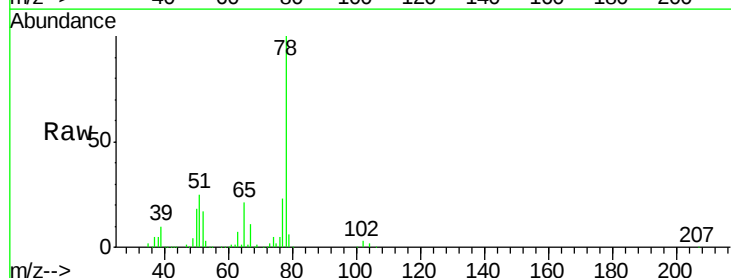
MMDadoda

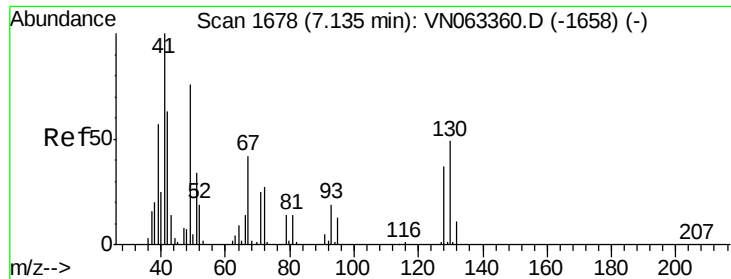
9/28/2020 5:15:12 PM



#40
Benzene
Concen: 47.394 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.3	27.5



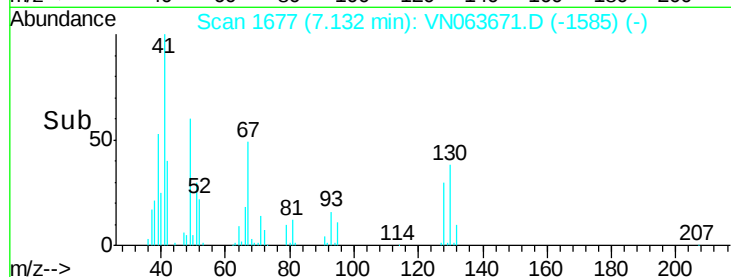
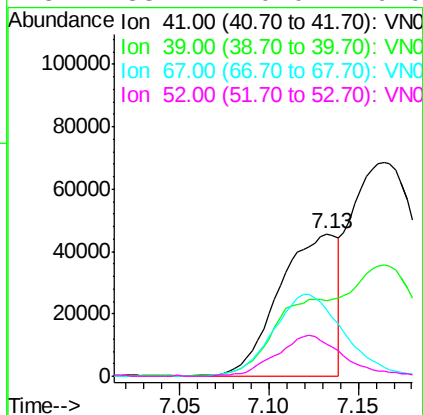
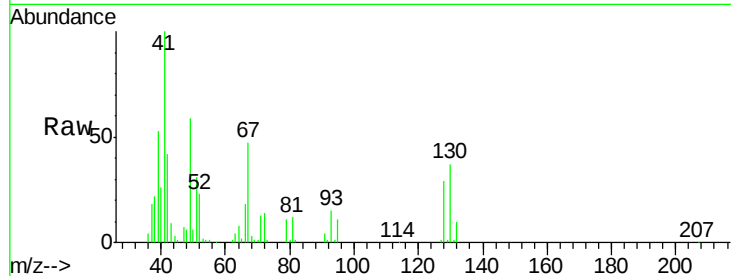


#41
Methacrylonitrile
Concen: 54.364 ug/l
RT: 7.13 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

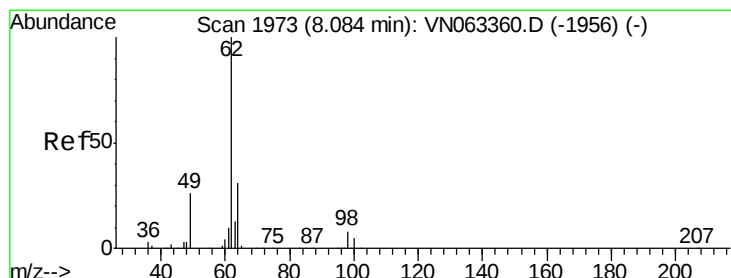
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	48.9	0.0	0.0#		
67	69.9	0.0	0.0#		
52	33.2	0.0	0.0#		

Manual Integrations
APPROVED



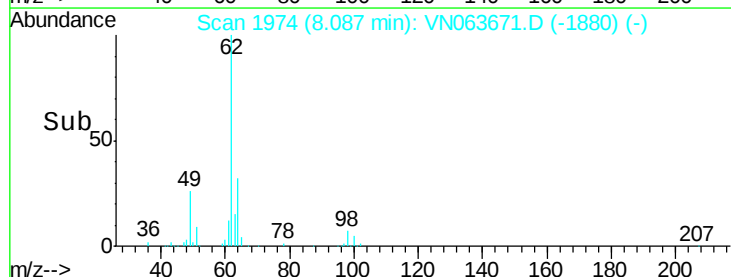
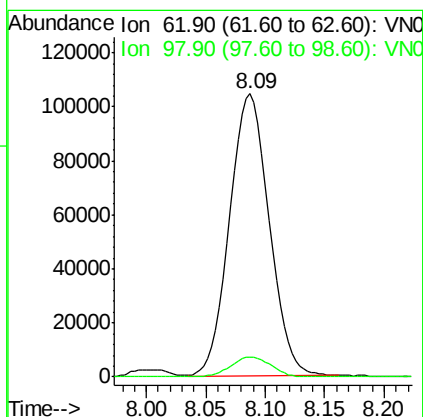
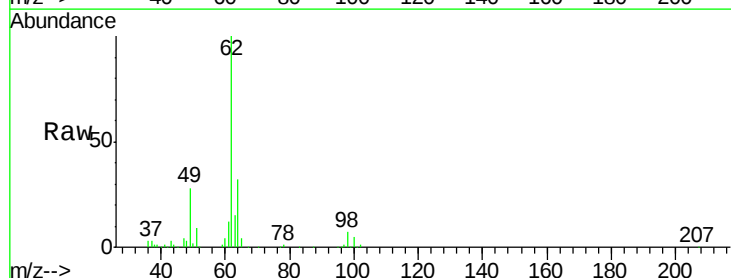
MMDadoda

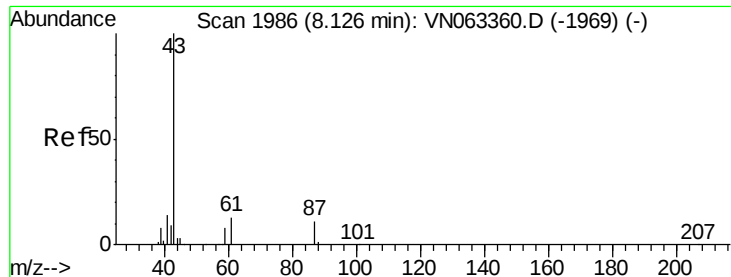
9/28/2020 5:15:12 PM



#42
1,2-Dichloroethane
Concen: 48.618 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	7.2	0.0	15.6		



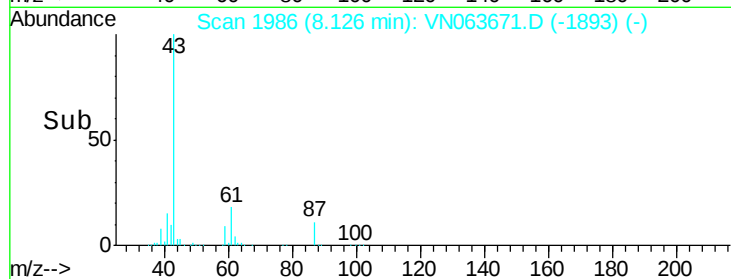
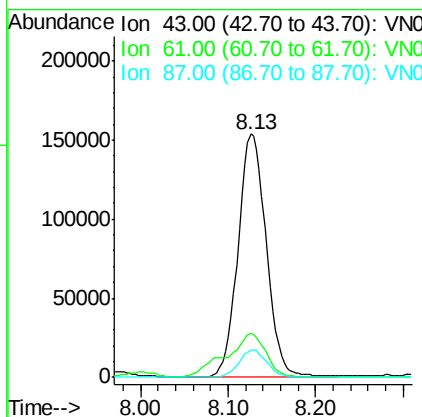
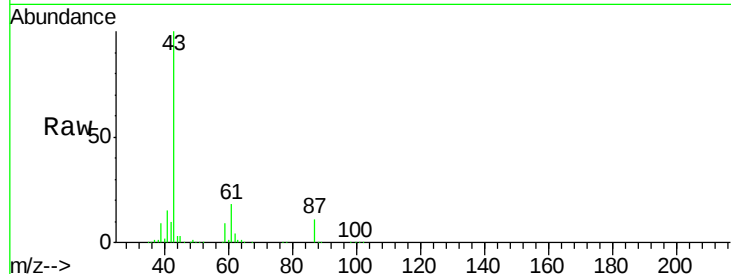


#43
Isopropyl Acetate
Concen: 45.151 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

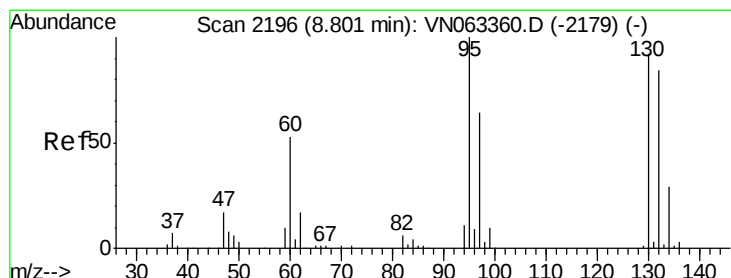
Tot Ion	43	Resp	343989
Ion Ratio	100		
Lower	14.2		
Upper	21.2#		
61	25.4		
87	11.1		
9.0			
13.6			

Manual Integrations
APPROVED



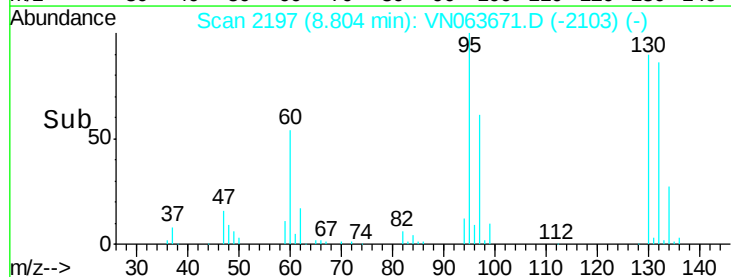
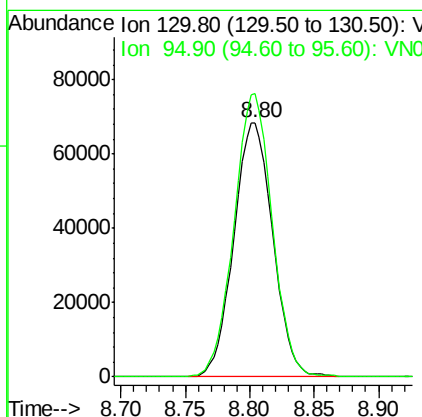
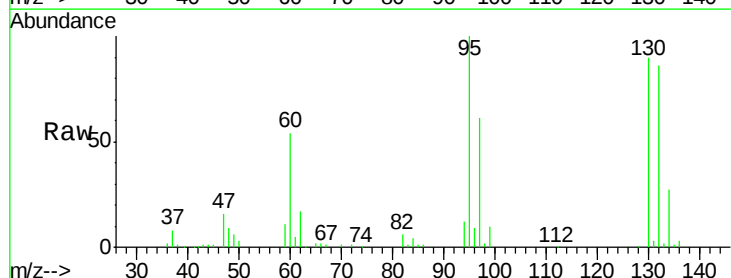
MMDadoda

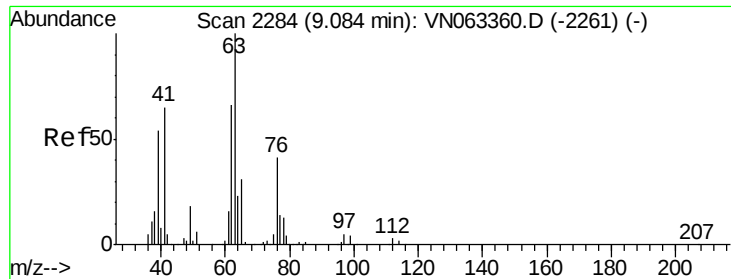
9/28/2020 5:15:12 PM



#44
Trichloroethene
Concen: 47.914 ug/l
RT: 8.80 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Tgt Ion	130	Resp	144018
Ion Ratio	100		
Lower	0.0		
Upper	217.4		
95	110.9		



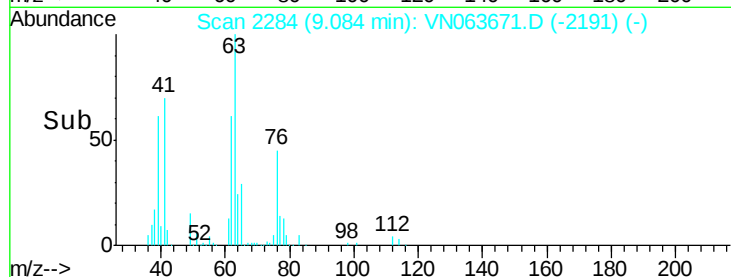
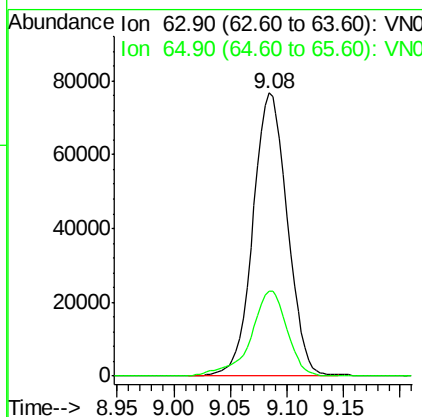
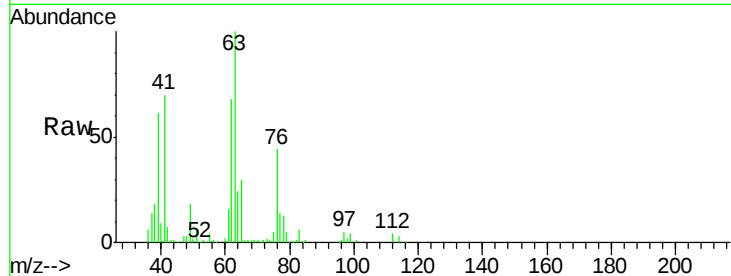


#45
 1,2-Dichloropropane
 Concen: 48.058 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN063671.D
 Acq: 25 Sep 2020 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

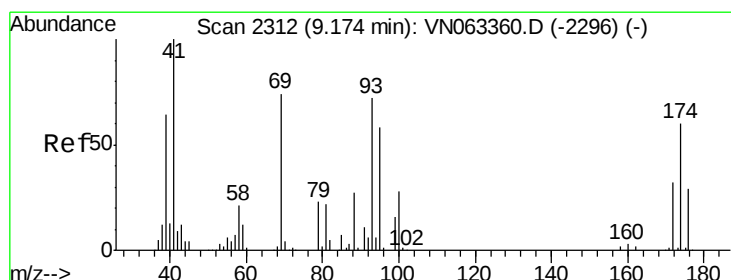
Tot Ion: 63 Resp: 162206
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.0 37.6

Manual Integrations
 APPROVED



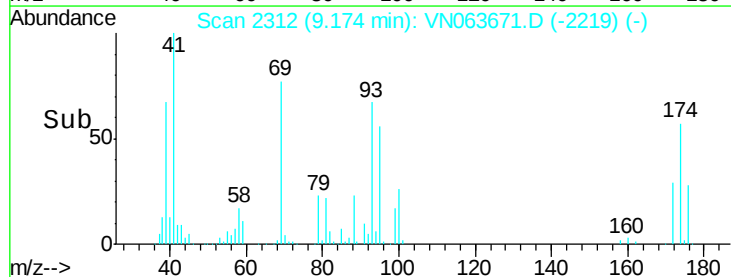
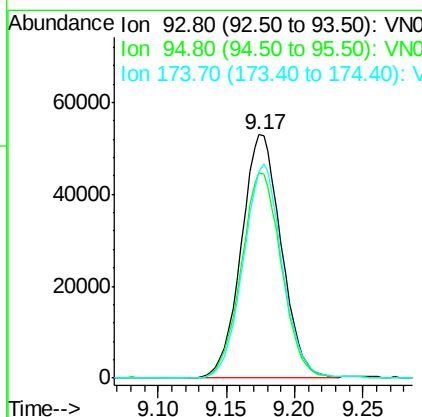
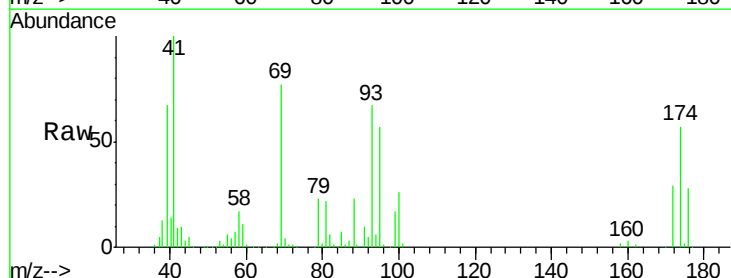
MMDadoda

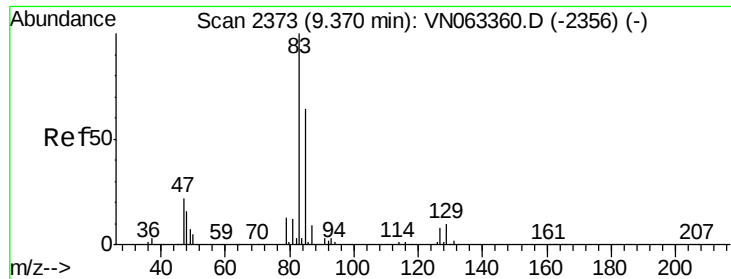
9/28/2020 5:15:12 PM



#46
 Dibromomethane
 Concen: 48.598 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN063671.D
 Acq: 25 Sep 2020 9:25

Tgt Ion: 93 Resp: 107808
 Ion Ratio Lower Upper
 93 100
 95 84.7 65.6 98.4
 174 85.8 68.1 102.1





#47

Bromodichloromethane

Concen: 49.308 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Instrument :

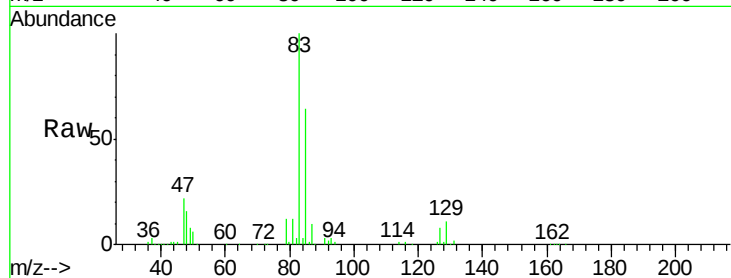
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	227239
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.0	76.6
127	8.1	6.3	9.5

Manual Integrations
APPROVED

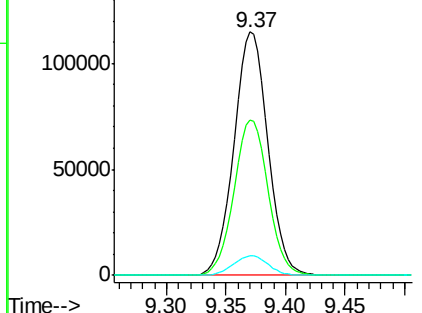
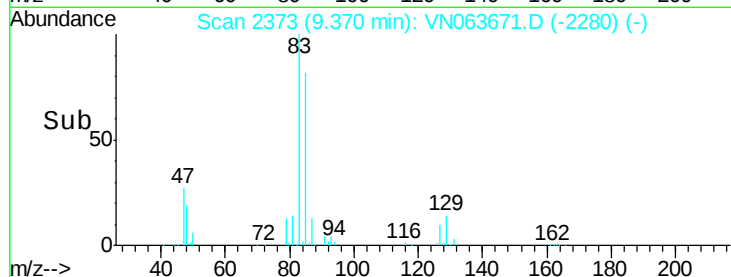


Abundance Ion 82.90 (82.60 to 83.60): VN063671.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN063671.D (-2280) (-)

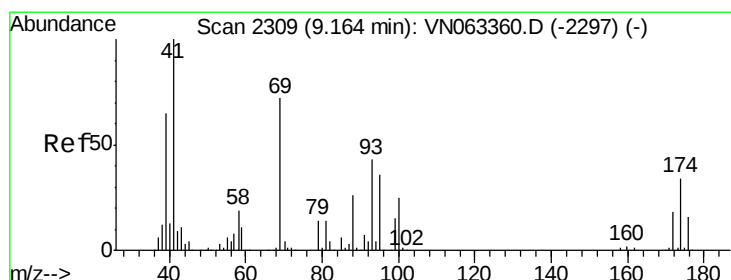
Ion 126.80 (126.50 to 127.50): VN063671.D (-2280) (-)

Time-->



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9/28/2020 5:15:12 PM



#48

Methyl methacrylate

Concen: 45.645 ug/l

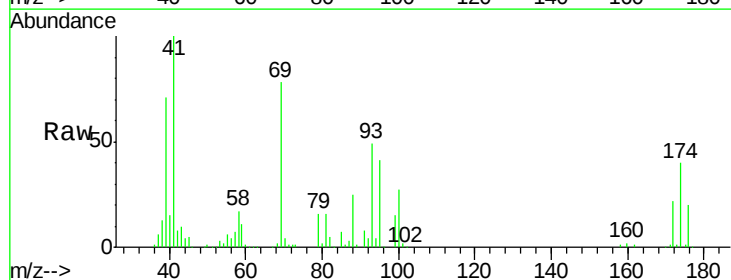
RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Tgt Ion:	41	Resp:	170852
Ion	Ratio	Lower	Upper
41	100		
69	76.2	59.3	88.9
39	70.5	52.9	79.3

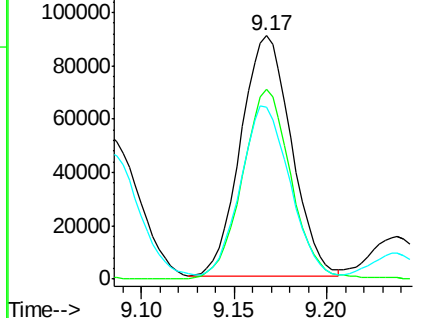
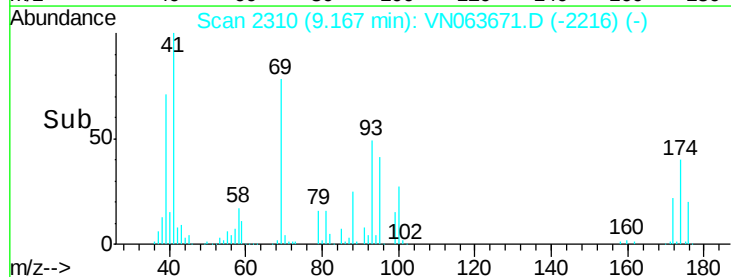


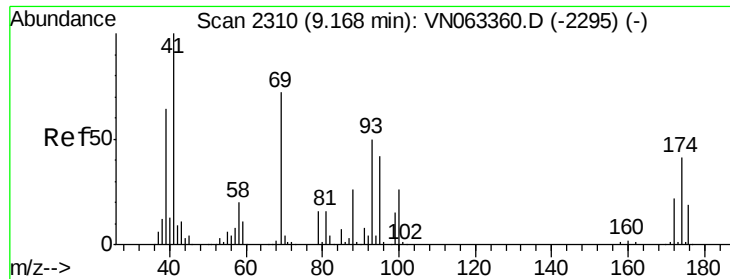
Abundance Ion 41.00 (40.70 to 41.70): VN063671.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN063671.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN063671.D (-2216) (-)

Time-->



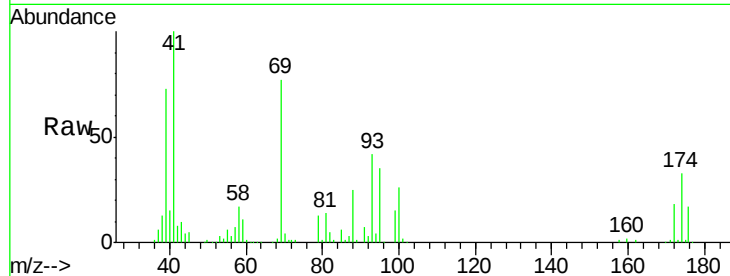


#49
1,4-Dioxane
Concen: 844.344 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

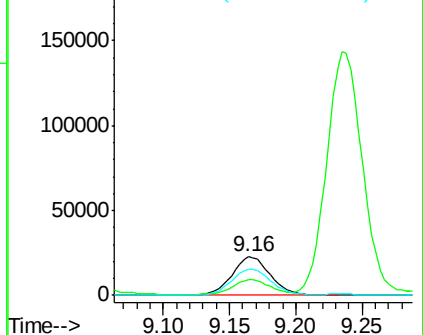
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	32.6	49.0
58	71.4	60.0	90.0

Manual Integrations
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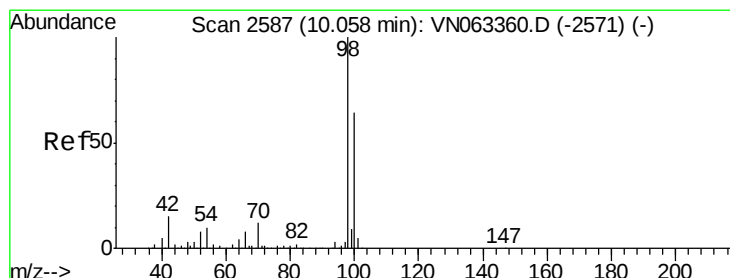
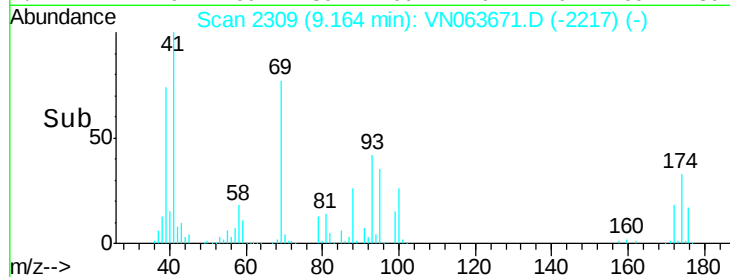


Abundance Ion 88.00 (87.70 to 88.70): VN063360.D (-2295) (-)
Ion 43.00 (42.70 to 43.70): VN063360.D (-2295) (-)
Ion 58.00 (57.70 to 58.70): VN063360.D (-2295) (-)



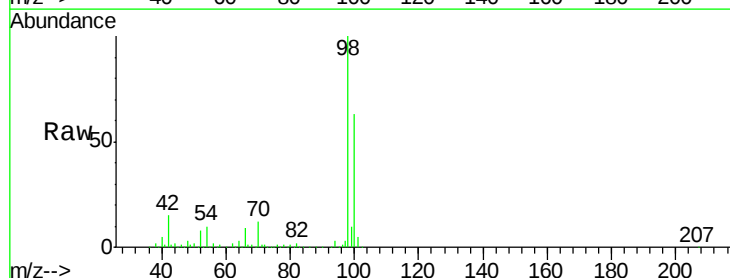
MMDadoda

9/28/2020 5:15:12 PM

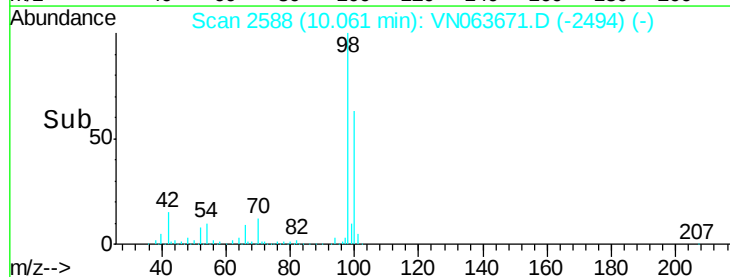
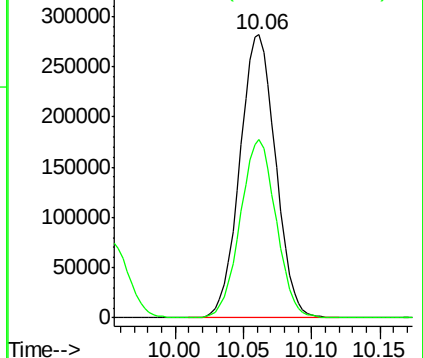


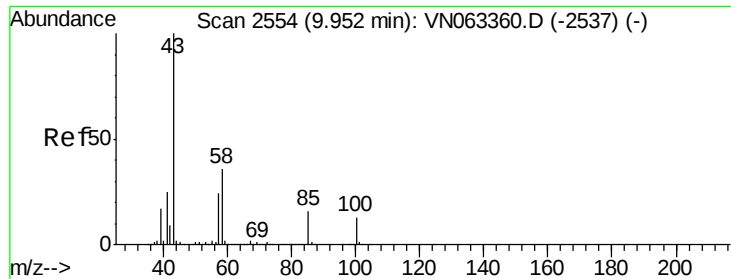
#50
Toluene-d8
Concen: 48.450 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.5	50.7	76.1



Abundance Ion 98.00 (97.70 to 98.70): VN063360.D (-2571) (-)
Ion 100.00 (99.70 to 100.70): VN063360.D (-2571) (-)





#51

4-Methyl-2-Pentanone

Concen: 242.809 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 1035616

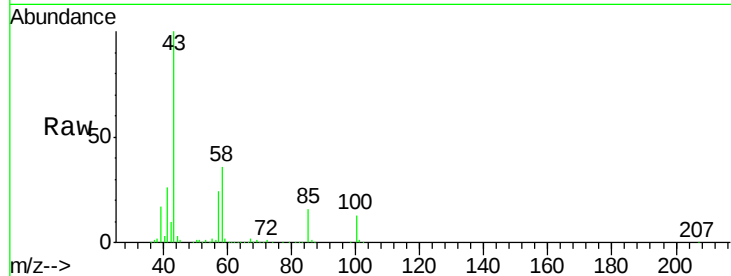
Ion Ratio Lower Upper

43 100

58 35.5 29.0 43.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

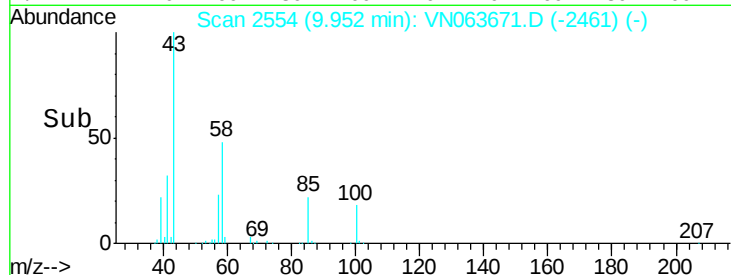
600000

400000

200000

0

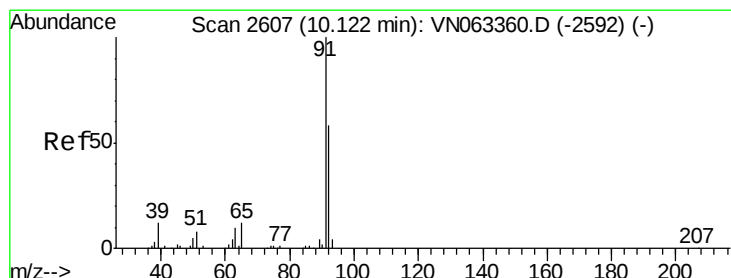
Time-->



9.95

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9/28/2020 5:15:12 PM



#52

Toluene

Concen: 48.782 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063671.D

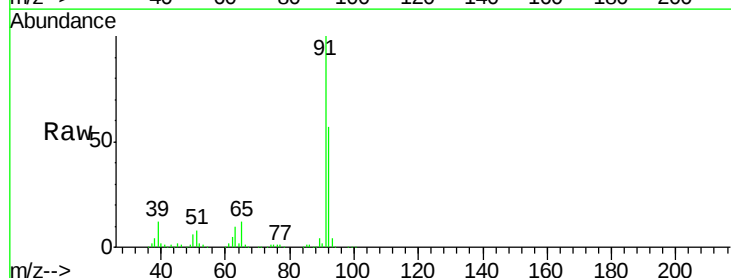
Acq: 25 Sep 2020 9:25

Tgt Ion: 92 Resp: 363462

Ion Ratio Lower Upper

92 100

91 179.0 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

400000

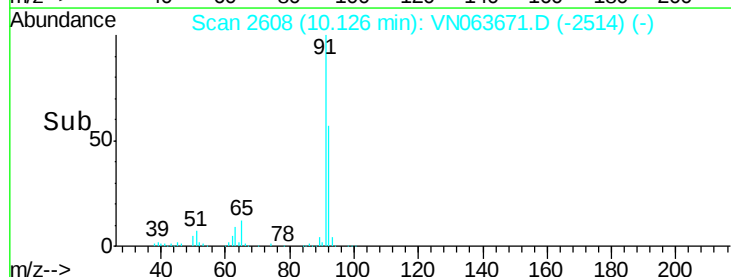
300000

200000

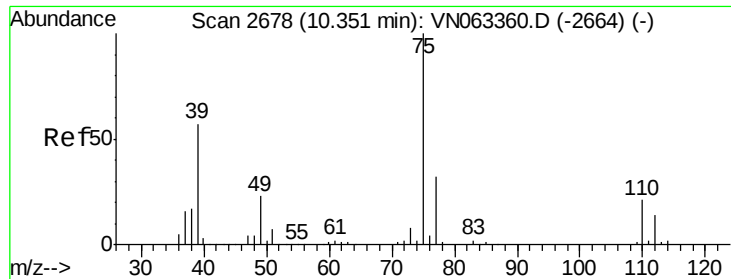
100000

0

Time-->



10.13

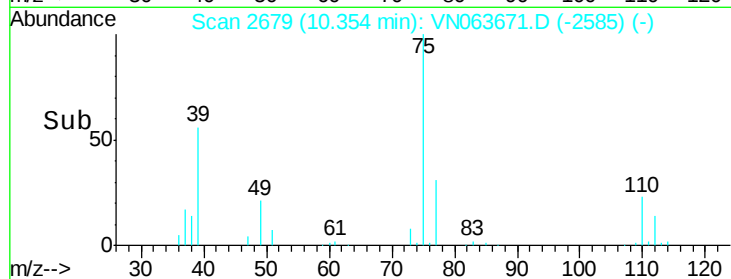
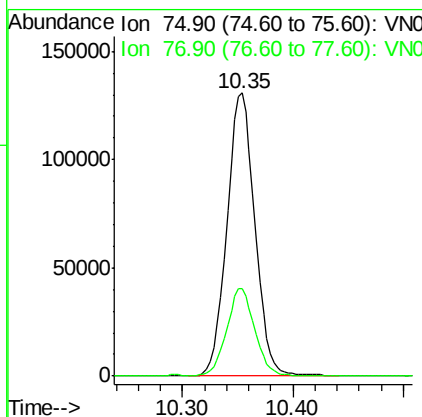
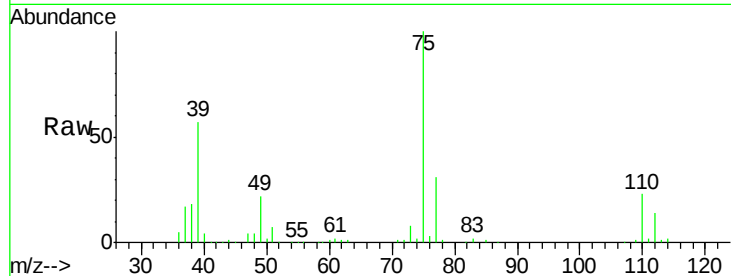


#53
t-1,3-Dichloropropene
Concen: 44.664 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

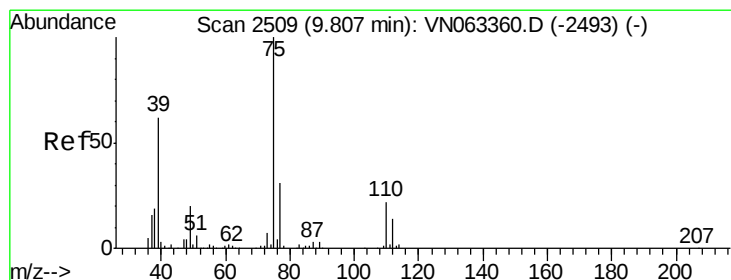
Tot Ion: 75 Resp: 229793
Ion Ratio Lower Upper
75 100
77 30.7 25.4 38.2

Manual Integrations
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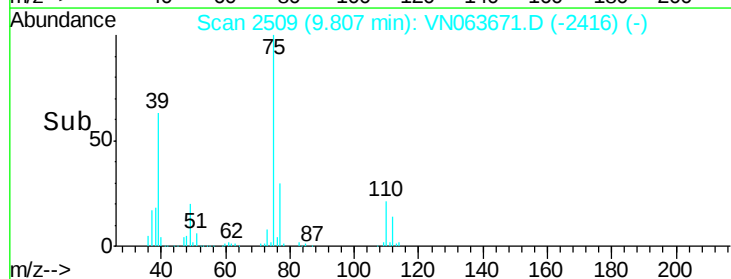
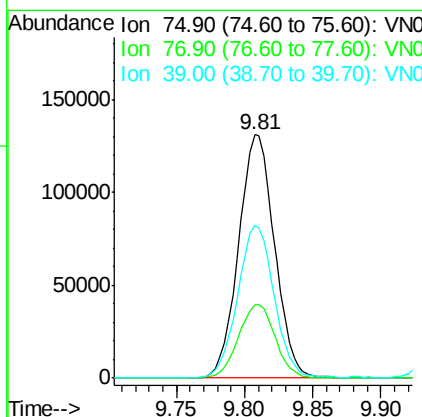
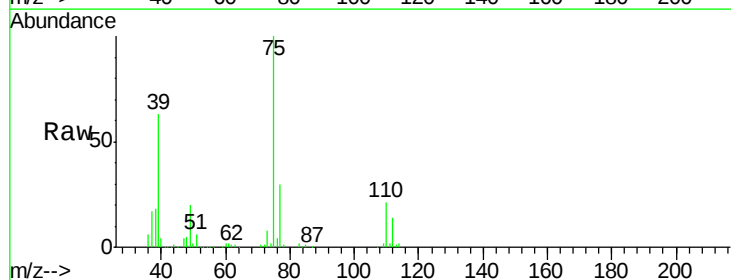
MMDadoda

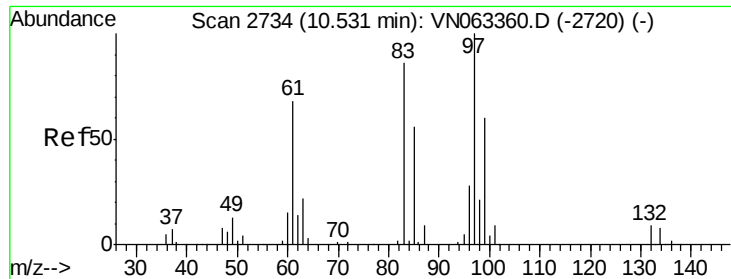
9/28/2020 5:15:12 PM



#54
cis-1,3-Dichloropropene
Concen: 44.246 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Tgt Ion: 75 Resp: 240118
Ion Ratio Lower Upper
75 100
77 29.9 24.6 37.0
39 62.7 49.8 74.8





#55

1,1,2-Trichloroethane

Concen: 50.446 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Instrument :

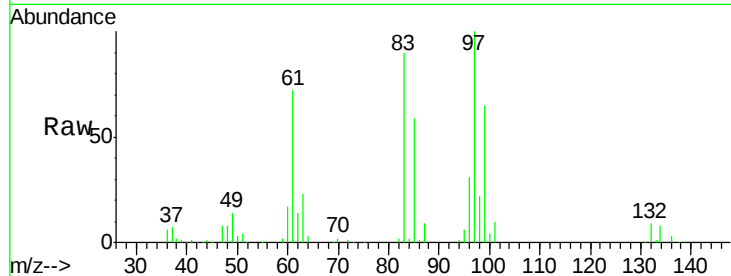
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	149294
Ion	Ratio	Lower	Upper
97	100		
83	89.9	68.9	103.3
85	58.6	44.8	67.2
99	65.0	47.8	71.8

Manual Integrations
APPROVED



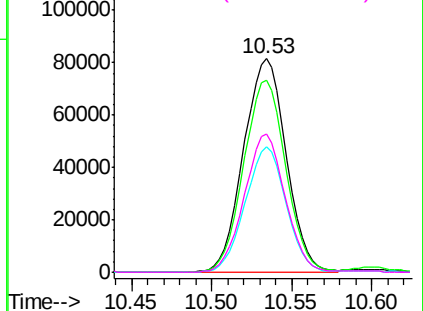
Abundance

Ion 96.90 (96.60 to 97.60): VN063360.D (-2720) (-)

Ion 82.90 (82.60 to 83.60): VN063360.D (-2720) (-)

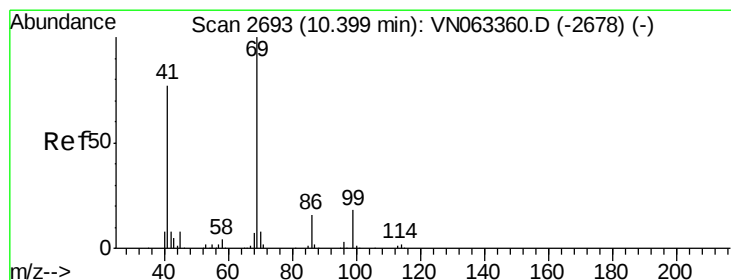
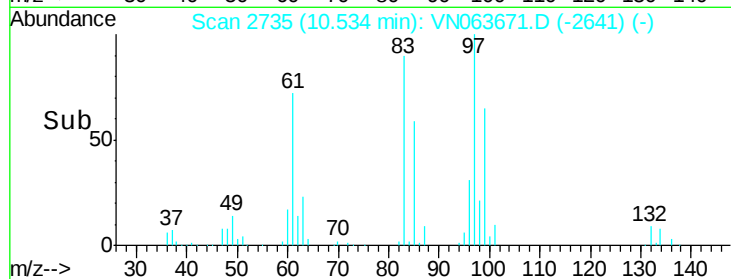
Ion 84.90 (84.60 to 85.60): VN063360.D (-2720) (-)

Ion 98.90 (98.60 to 99.60): VN063360.D (-2720) (-)



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9/28/2020 5:15:12 PM



#56

Ethyl methacrylate

Concen: 47.914 ug/l

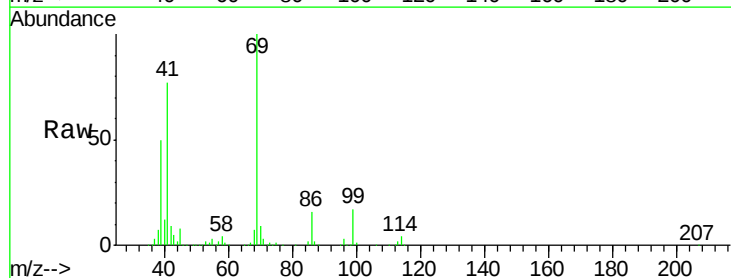
RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Tgt Ion:	69	Resp:	221370
Ion	Ratio	Lower	Upper
69	100		
41	76.5	61.0	91.6
39	49.6	39.2	58.8

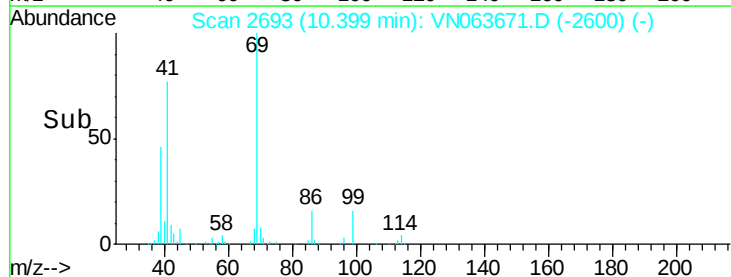
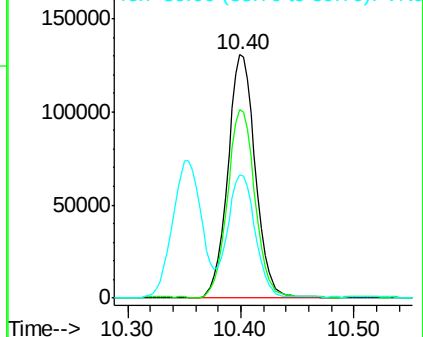


Abundance

Ion 69.00 (68.70 to 69.70): VN063360.D (-2678) (-)

Ion 41.00 (40.70 to 41.70): VN063360.D (-2678) (-)

Ion 39.00 (38.70 to 39.70): VN063360.D (-2678) (-)





#57

1,3-Dichloropropane

Concen: 48.127 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

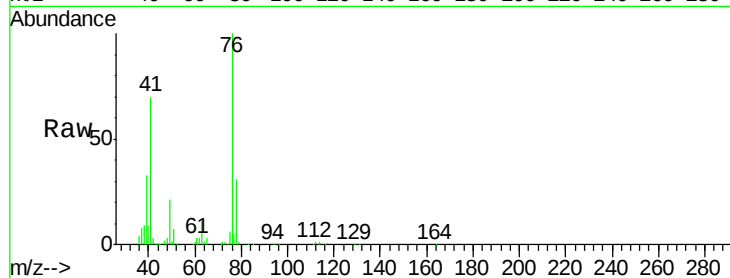
Tot Ion: 76 Resp: 256852

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8

Manual Integrations
APPROVED



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

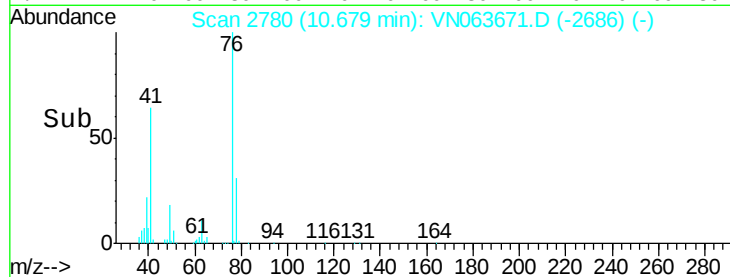
150000

100000

50000

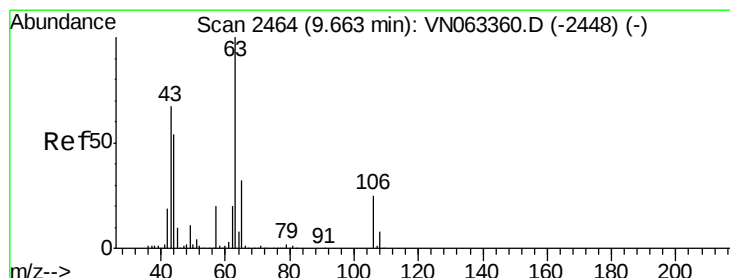
0

Time-->



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9/28/2020 5:15:12 PM



#58

2-Chloroethyl Vinyl ether

Concen: 234.723 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063671.D

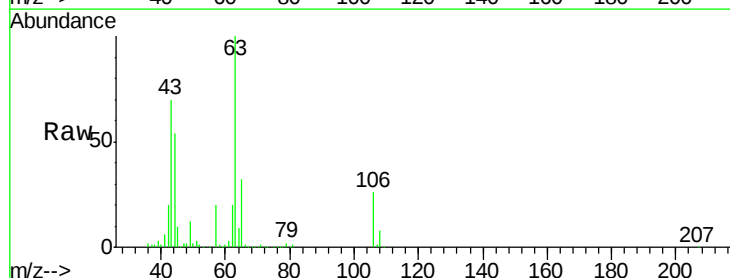
Acq: 25 Sep 2020 9:25

Tgt Ion: 63 Resp: 568881

Ion Ratio Lower Upper

63 100

106 25.5 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

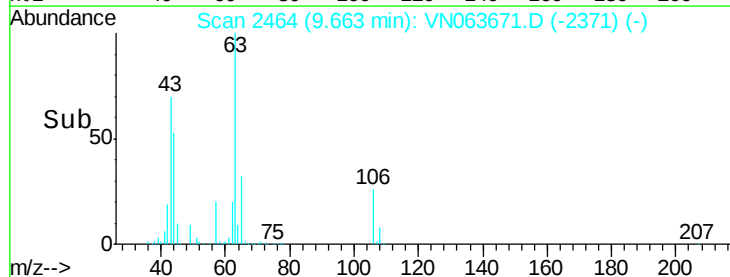
300000

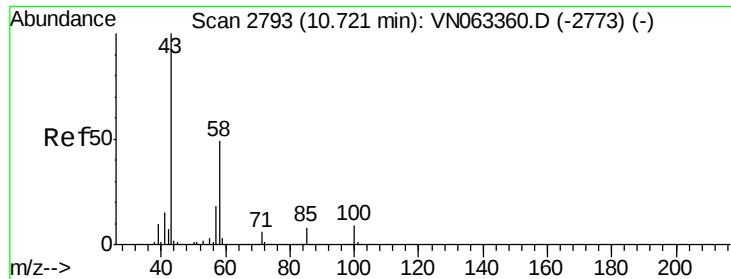
200000

100000

0

Time-->



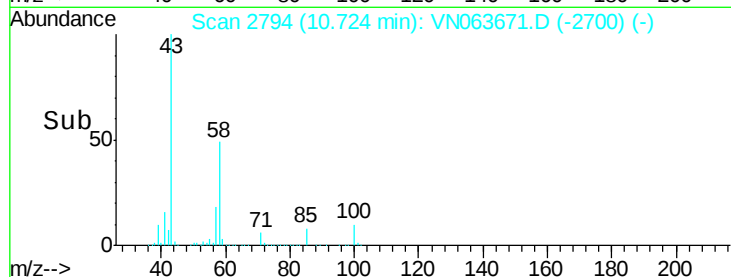
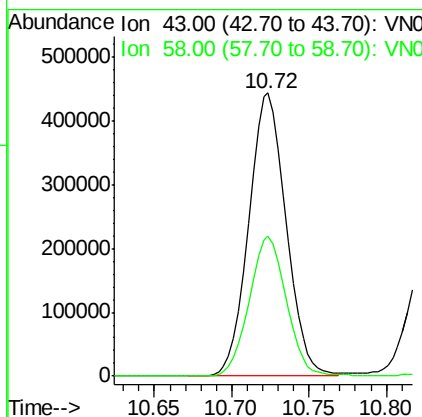
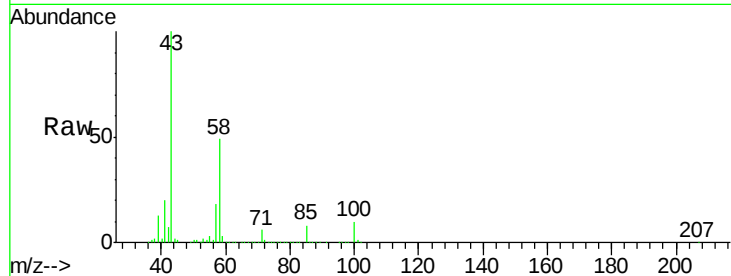


#59
2-Hexanone
Concen: 240.792 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

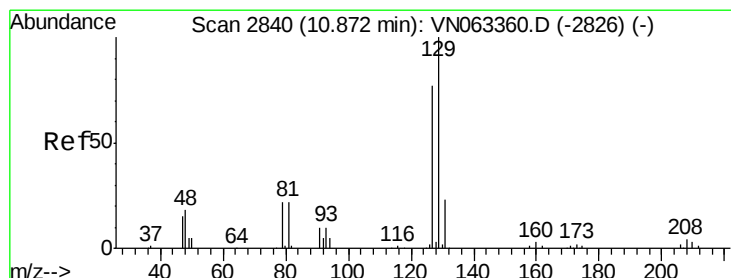
Tot Ion: 43 Resp: 744043
Ion Ratio Lower Upper
43 100
58 49.5 24.7 74.1

Manual Integrations
APPROVED



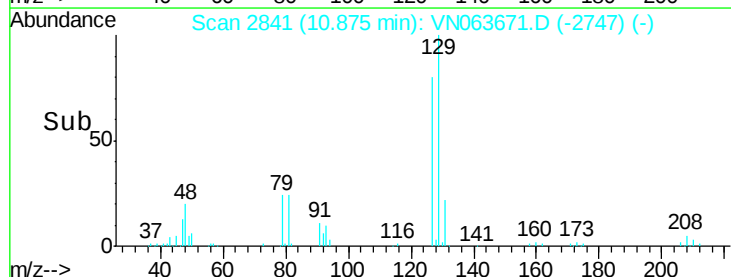
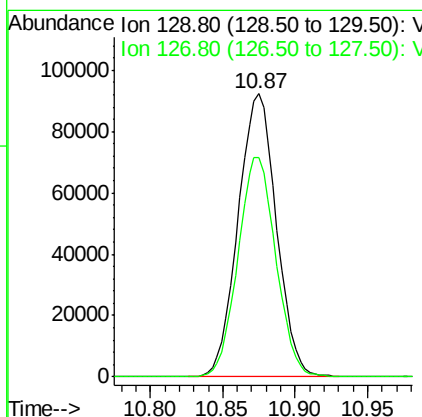
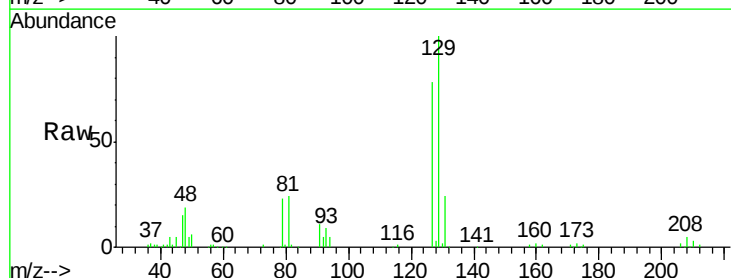
MMDadoda

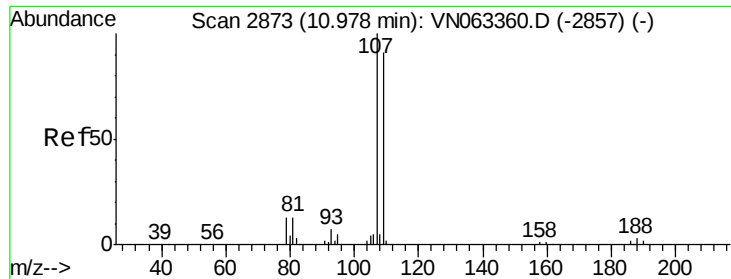
9/28/2020 5:15:12 PM



#60
Dibromochloromethane
Concen: 50.695 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Tgt Ion: 129 Resp: 169496
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.3





#61

1,2-Dibromoethane

Concen: 50.528 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

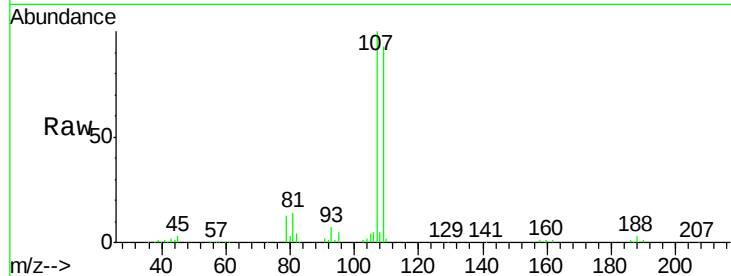
Tot Ion: 107 Resp: 155359

Ion Ratio Lower Upper

107 100

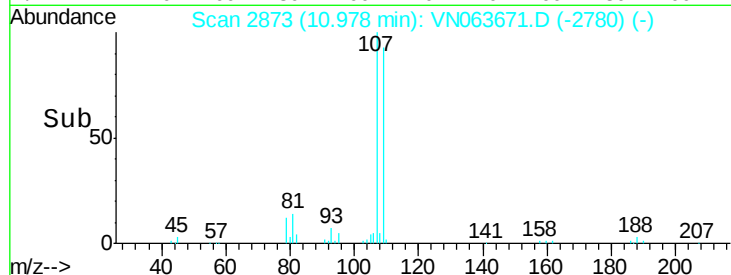
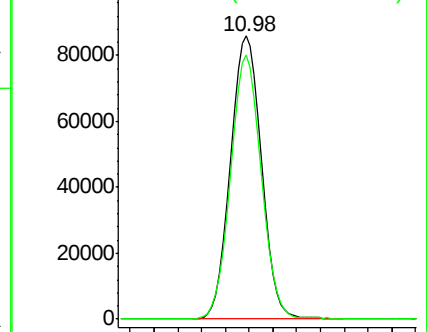
109 92.4 74.6 111.8

Manual Integrations
APPROVED



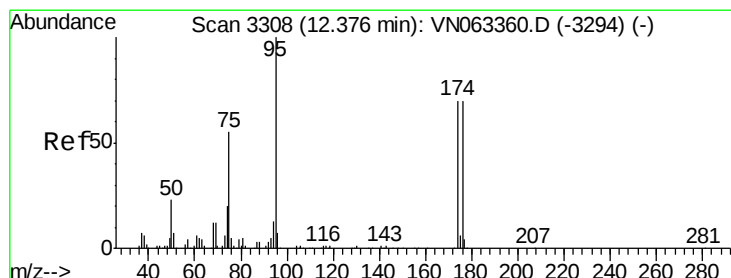
Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



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9/28/2020 5:15:12 PM



#62

4-Bromofluorobenzene

Concen: 50.296 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

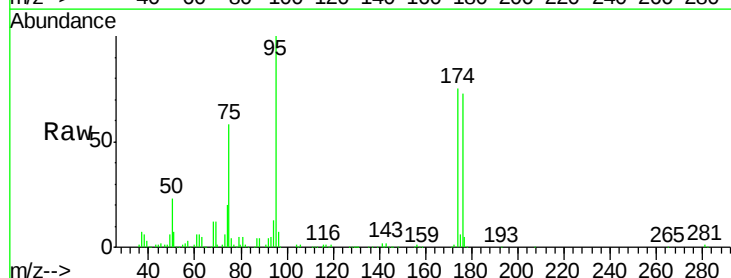
Tgt Ion: 95 Resp: 195574

Ion Ratio Lower Upper

95 100

174 73.9 0.0 140.8

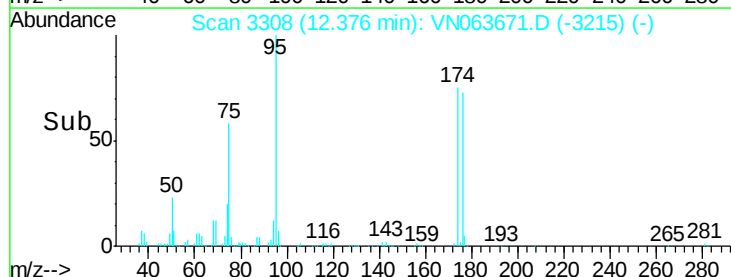
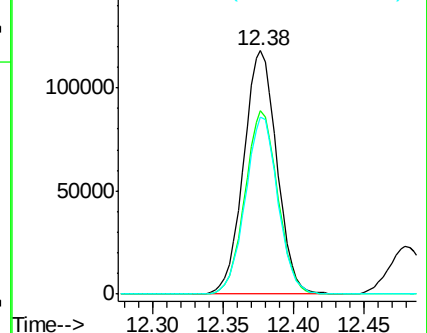
176 71.0 0.0 137.6

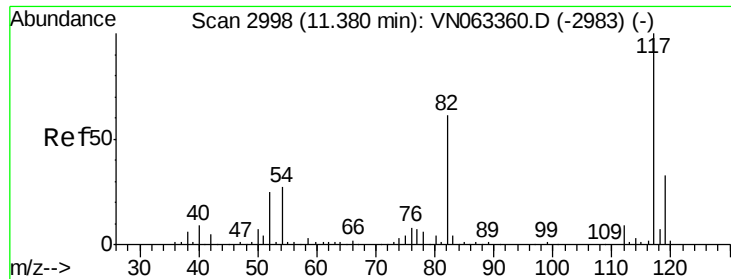


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



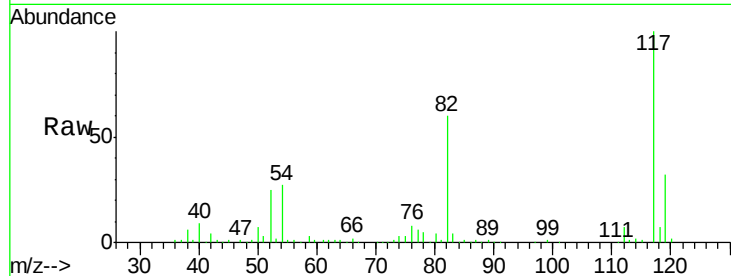


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.9	49.2	73.8
119	32.2	26.2	39.4

Manual Integrations
APPROVED

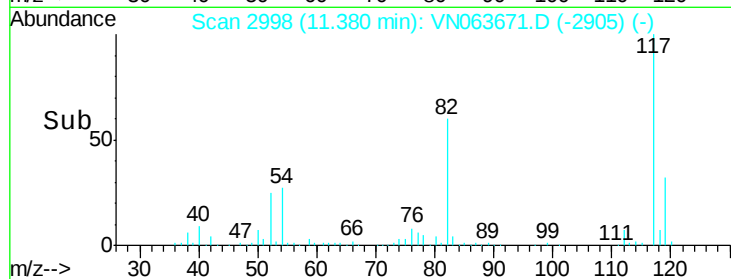
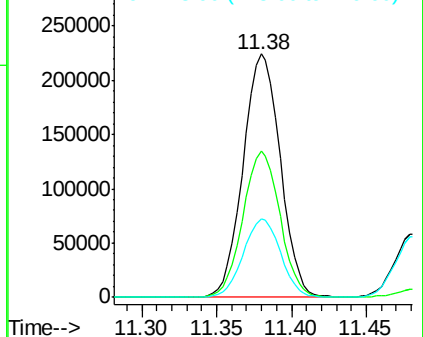


Abundance

Ion 116.90 (116.60 to 117.60): V

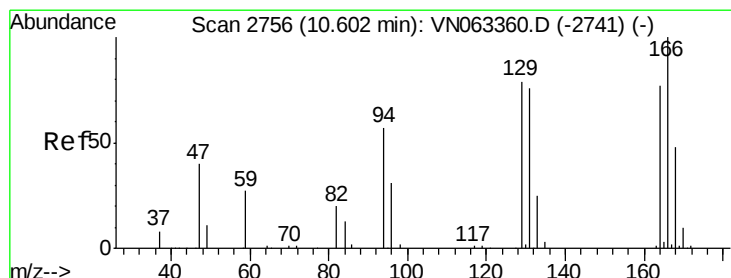
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



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#64
Tetrachloroethene
Concen: 51.109 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	103.4	155.0
129	105.1	81.8	122.6
131	100.2	78.2	117.4

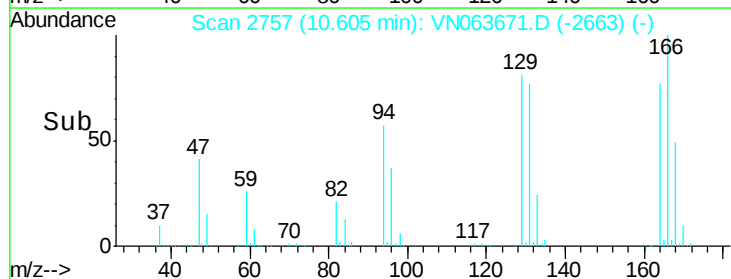
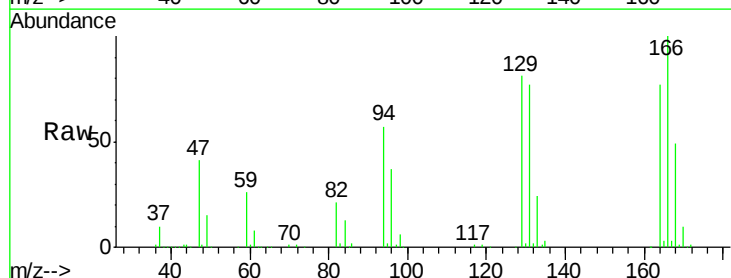
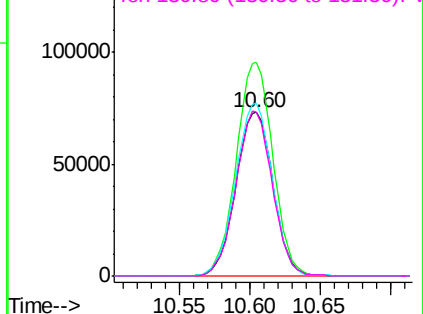
Abundance

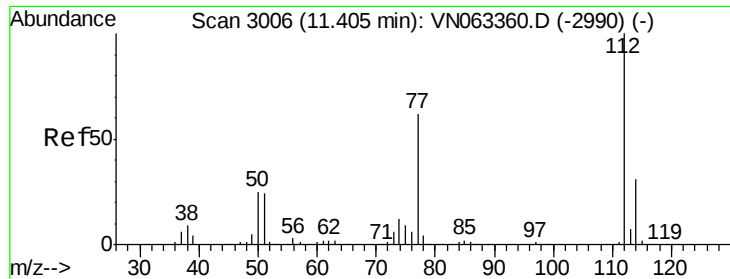
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



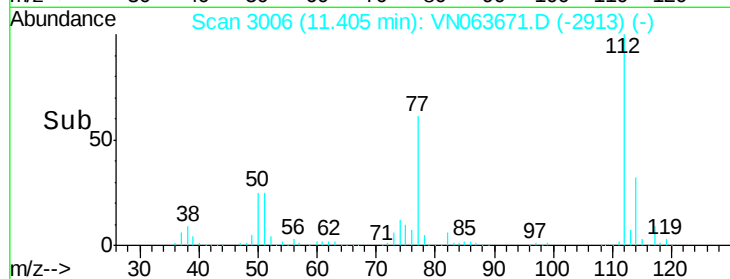
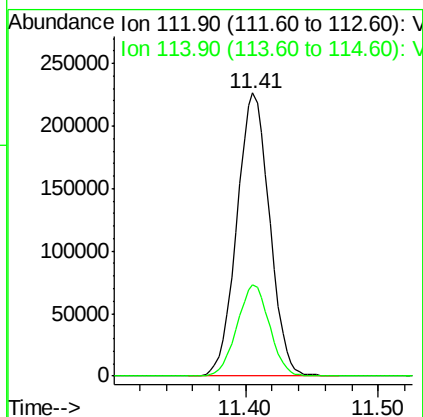
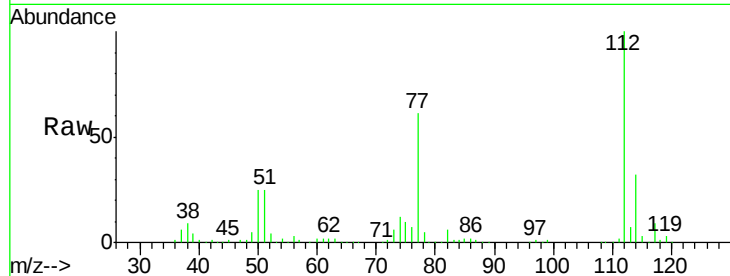


#65
Chlorobenzene
Concen: 46.959 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

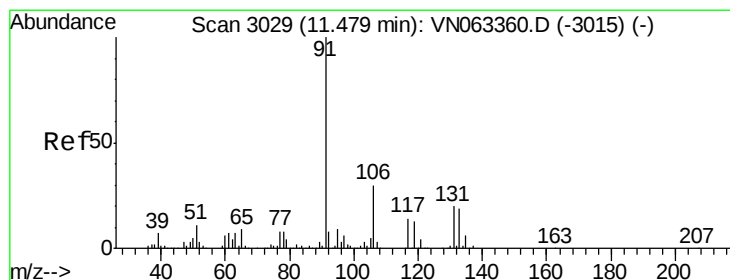
Tot Ion:112 Resp: 387955
Ion Ratio Lower Upper
112 100
114 32.1 25.0 37.6

Manual Integrations
APPROVED



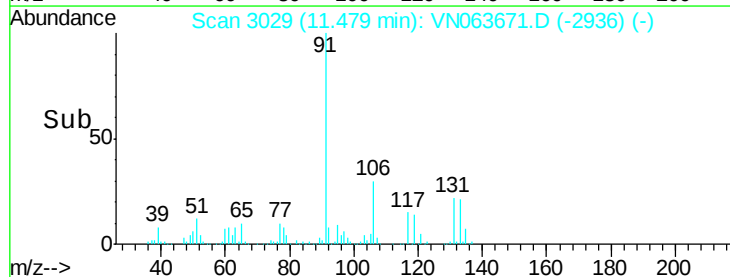
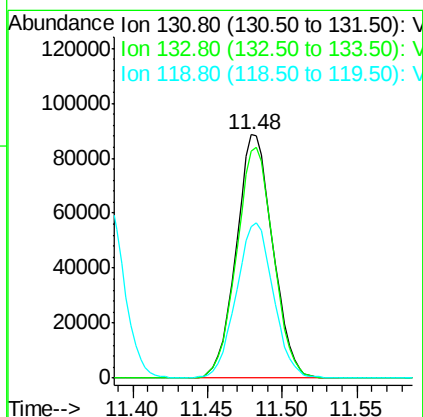
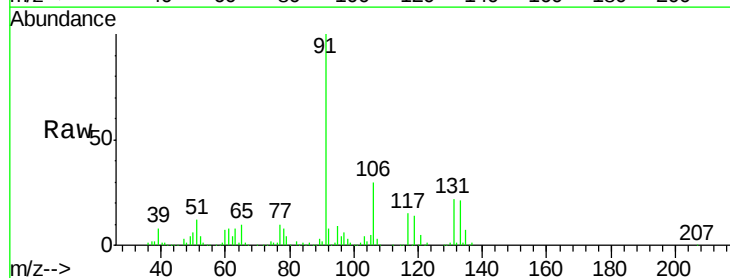
MMDadoda

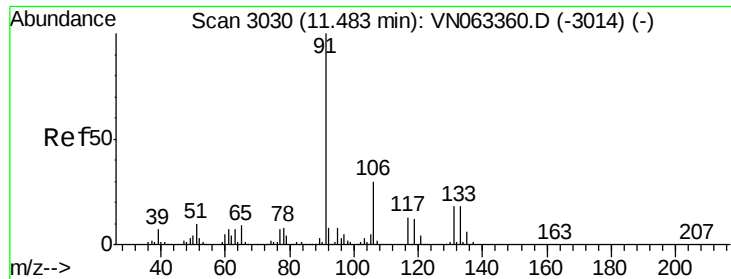
9/28/2020 5:15:12 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.753 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Tgt Ion:131 Resp: 150673
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.9
119 64.7 33.6 100.8



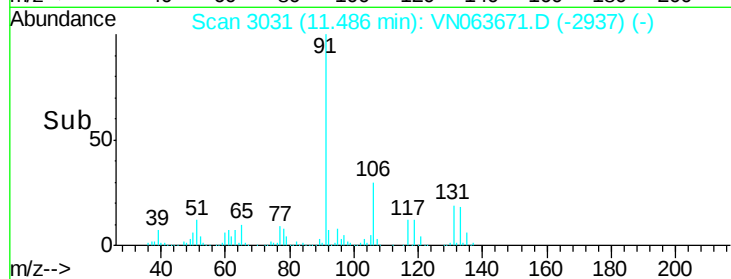
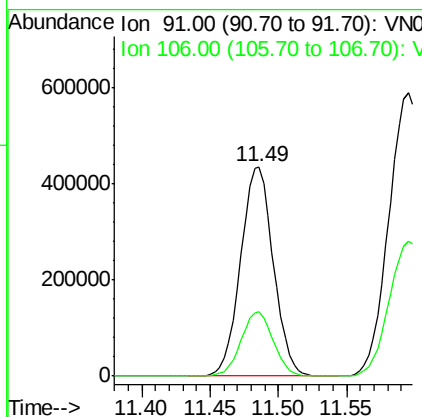
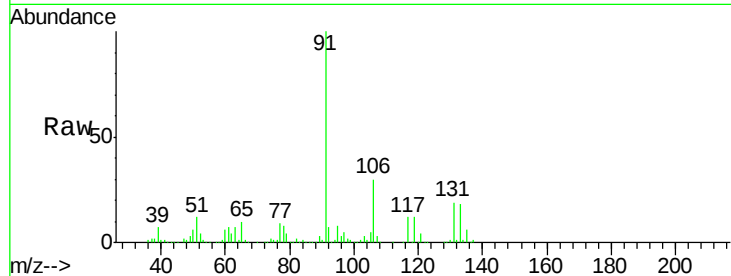


#67
Ethyl Benzene
Concen: 46.659 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

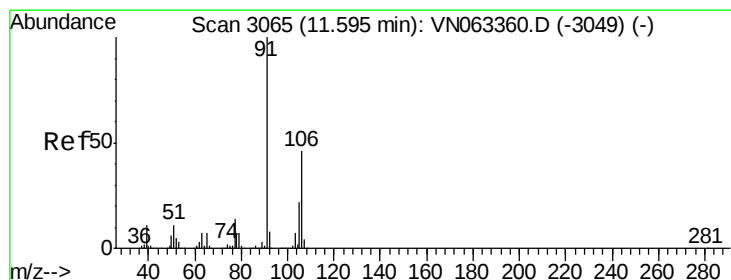
Tot Ion: 91 Resp: 725930
Ion Ratio Lower Upper
91 100
106 30.5 23.8 35.6

Manual Integrations
APPROVED



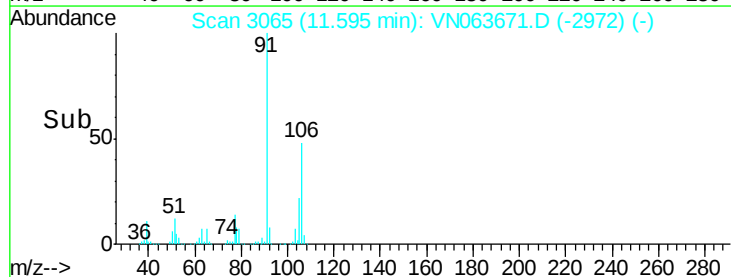
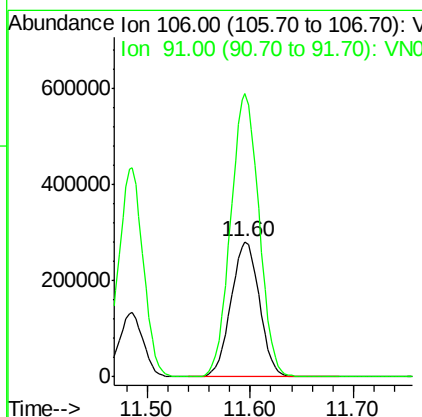
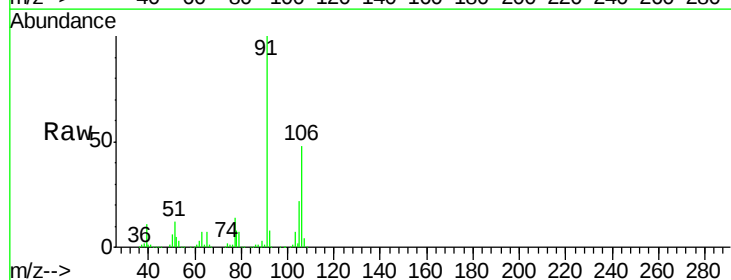
MMDadoda

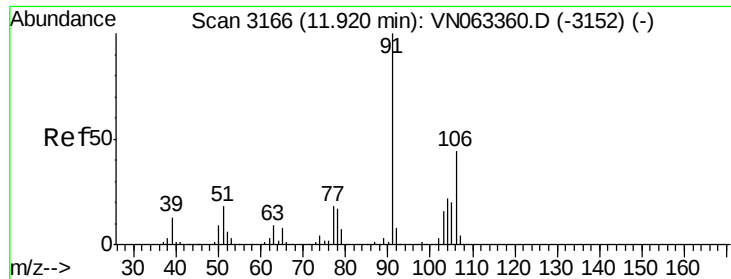
9/28/2020 5:15:12 PM



#68
m/p-Xylenes
Concen: 96.481 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Tgt Ion: 106 Resp: 541212
Ion Ratio Lower Upper
106 100
91 208.7 171.2 256.8



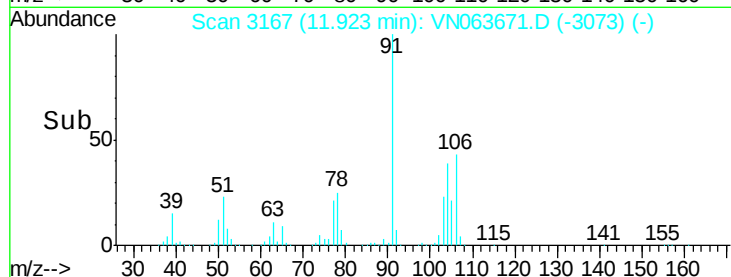
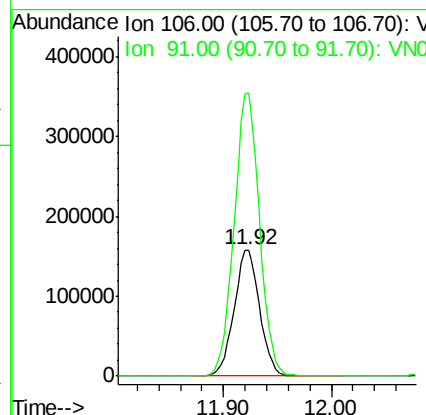
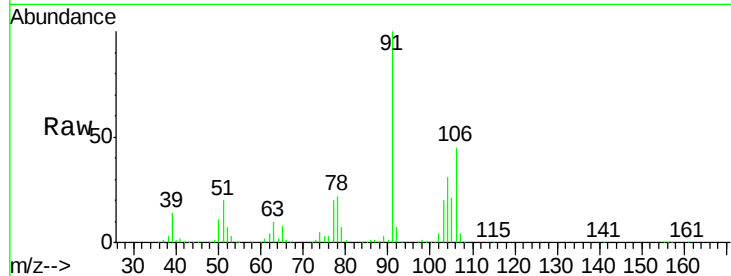


#69
o-Xylene
Concen: 48.600 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

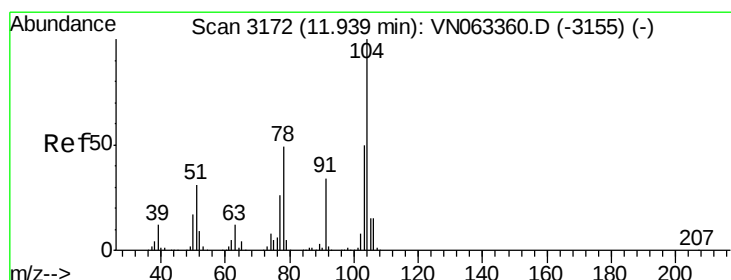
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	223.9	113.6	340.8		

Manual Integrations
APPROVED



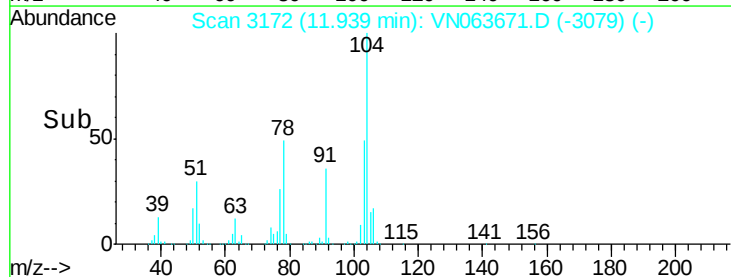
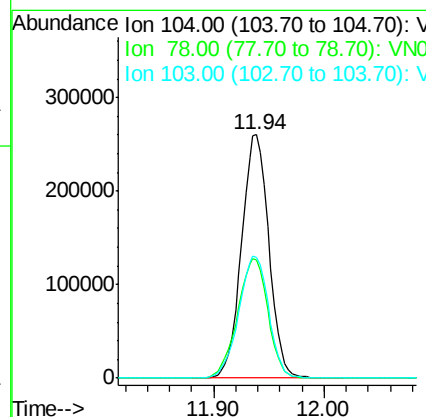
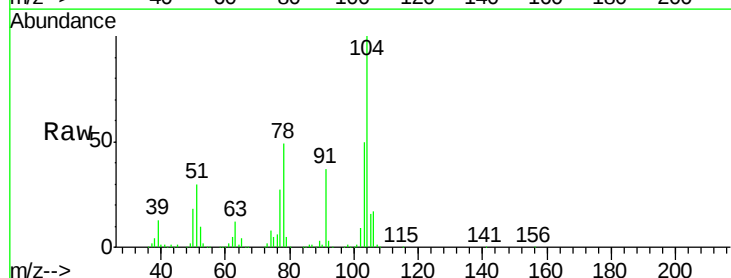
MMDadoda

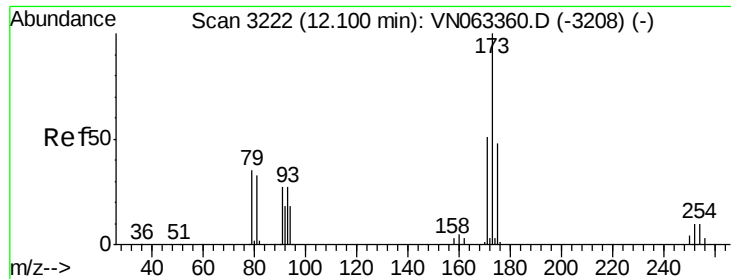
9/28/2020 5:15:12 PM



#70
Styrene
Concen: 49.865 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	54.7	44.4	66.6		
103	54.7	43.7	65.5		



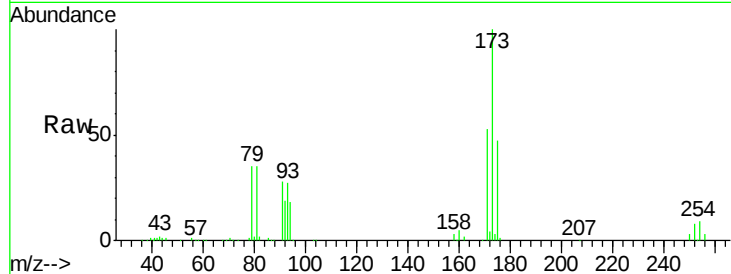


#71
Bromoform
Concen: 50.035 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

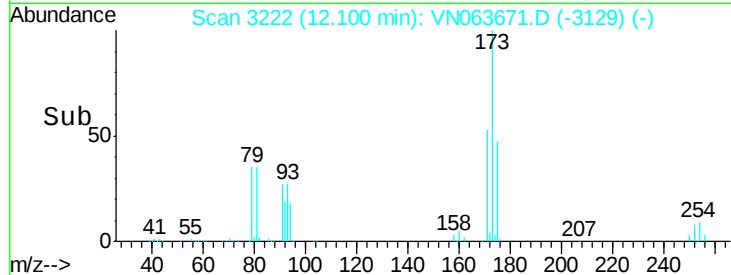
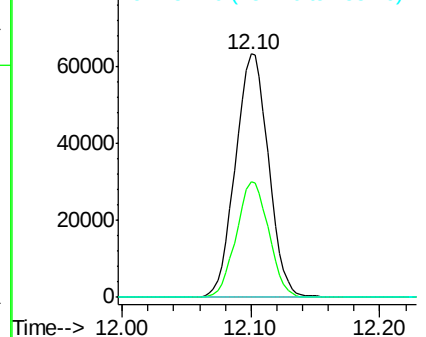
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.5	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

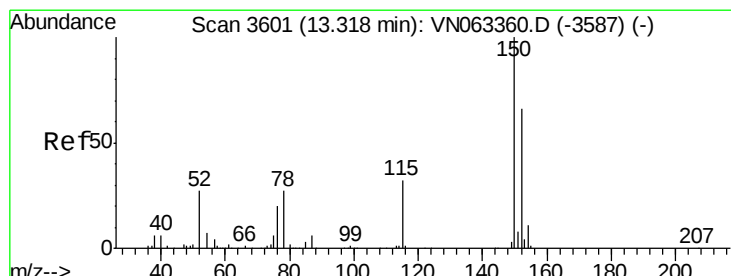


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



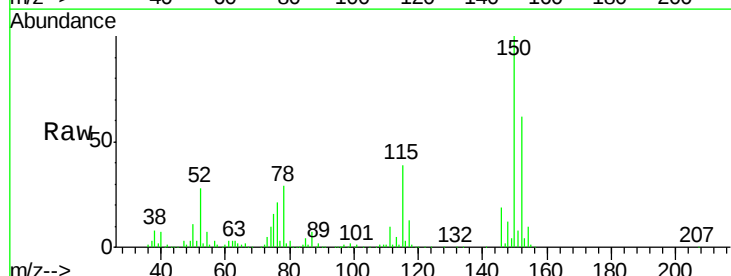
MMDadoda

9/28/2020 5:15:12 PM

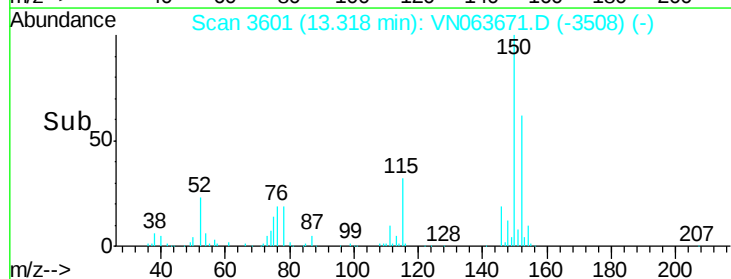
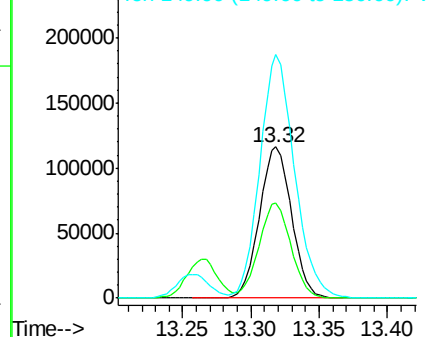


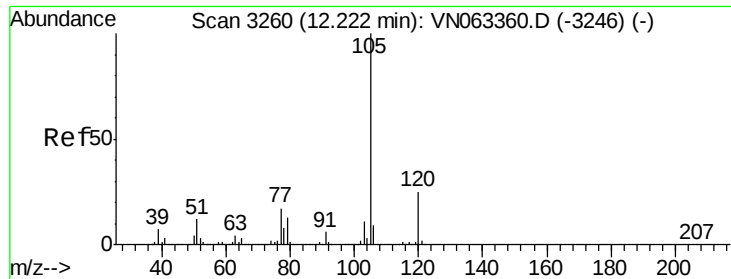
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.2	32.2	96.6
150	173.4	0.0	343.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



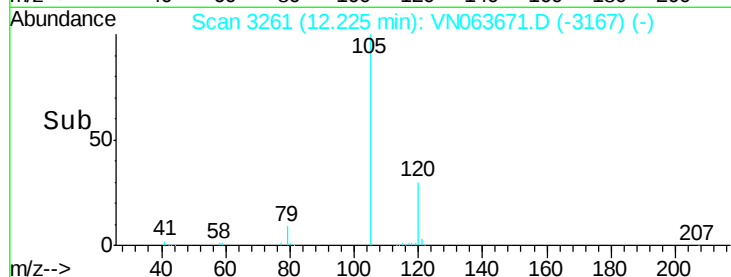
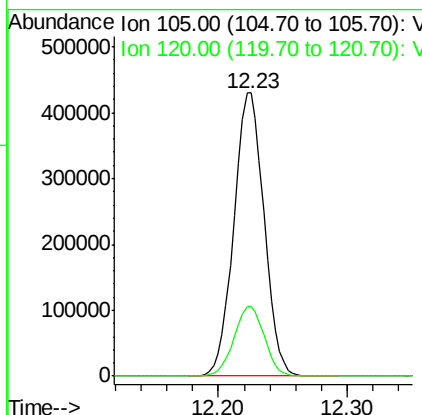
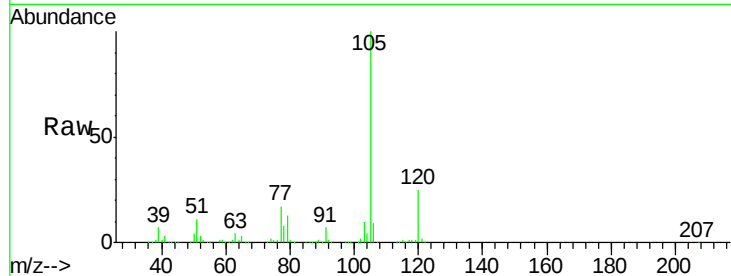


#73
Isopropylbenzene
Concen: 45.882 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

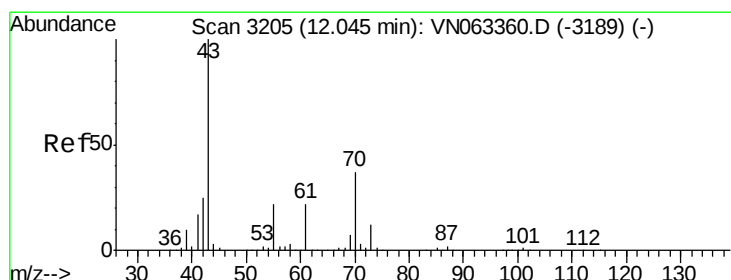
Tot Ion	Ratio	Lower	Upper
105	100		
120	24.7	12.7	38.0

Manual Integrations
APPROVED



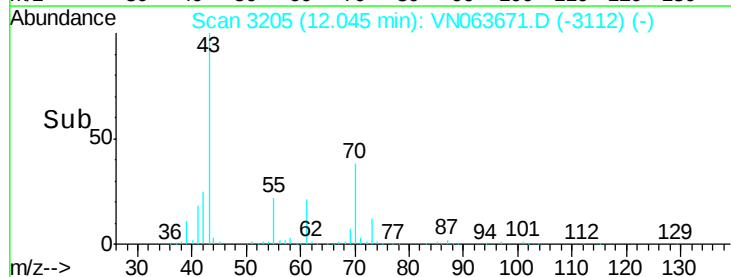
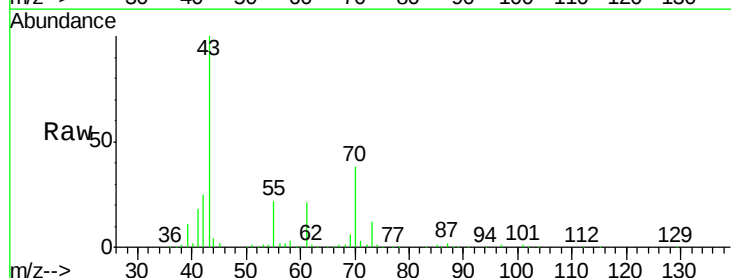
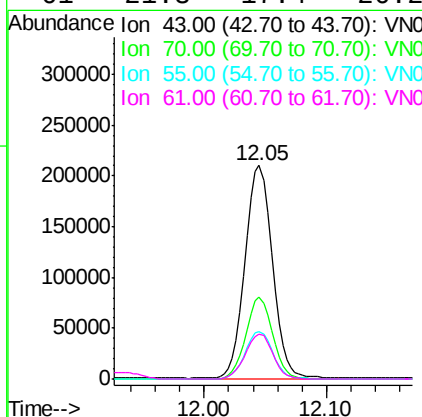
MMDadoda

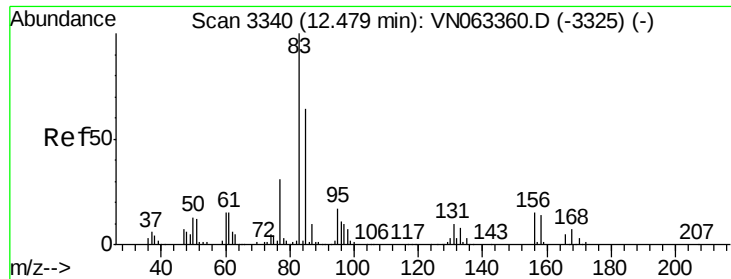
9/28/2020 5:15:12 PM



#74
N-ethyl acetate
Concen: 44.904 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. -0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.4	29.6	44.4
55	22.6	17.7	26.5
61	21.3	17.4	26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 45.598 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 83 Resp: 215088

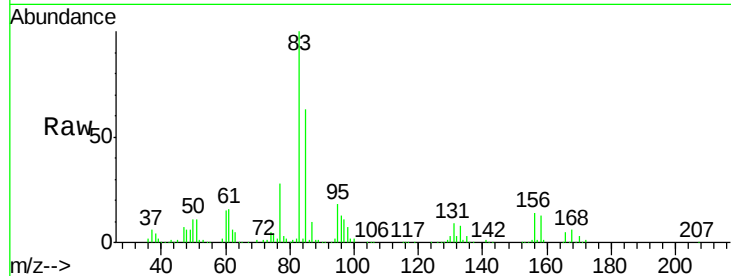
Ion Ratio Lower Upper

83 100

131 10.1 4.9 14.7

85 64.1 32.0 96.0

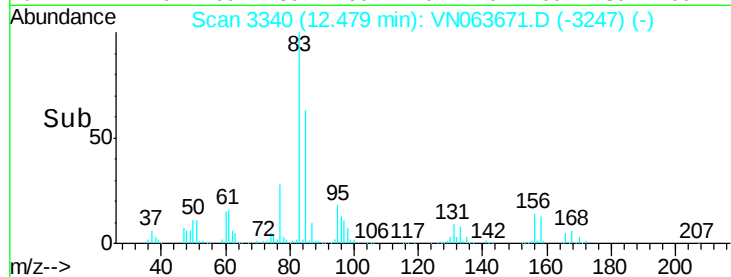
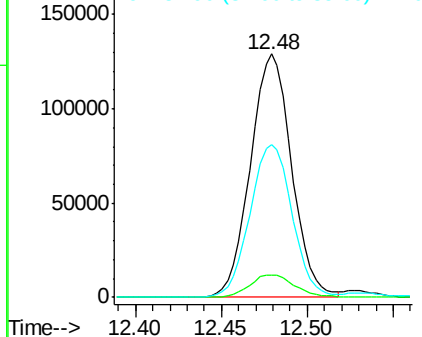
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Abundance Ion 82.90 (82.60 to 83.60): VN0

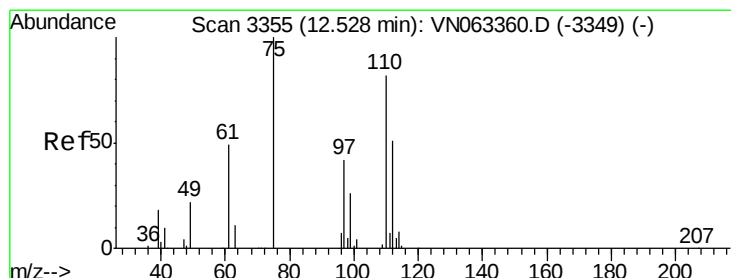
Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



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9/28/2020 5:15:12 PM



#76

1,2,3-Trichloropropane

Concen: 41.753 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN063671.D

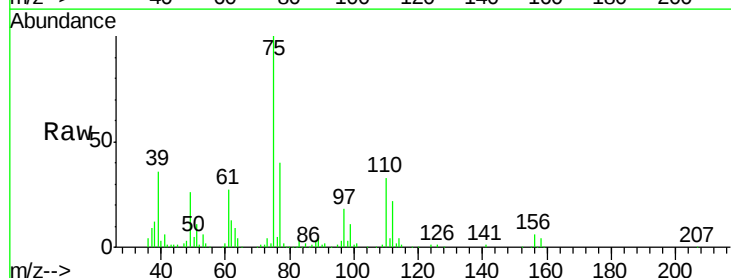
Acq: 25 Sep 2020 9:25

Tgt Ion: 75 Resp: 196465

Ion Ratio Lower Upper

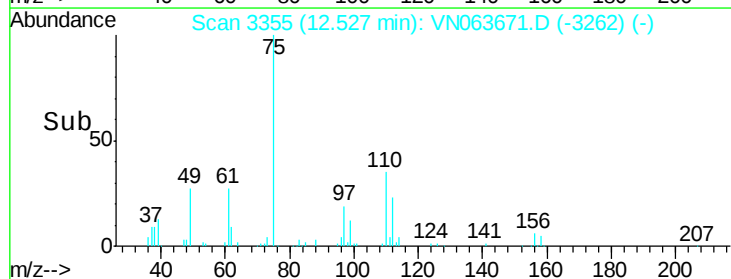
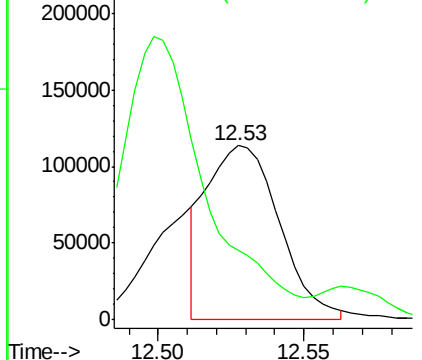
75 100

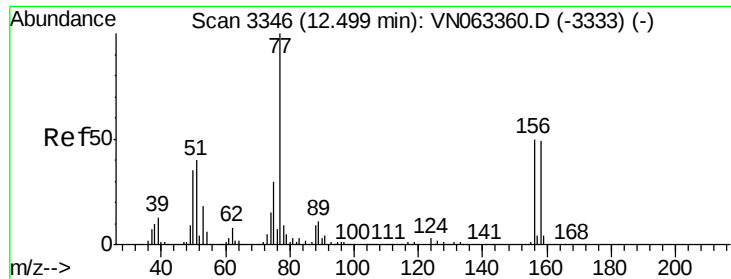
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.780 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Instrument :

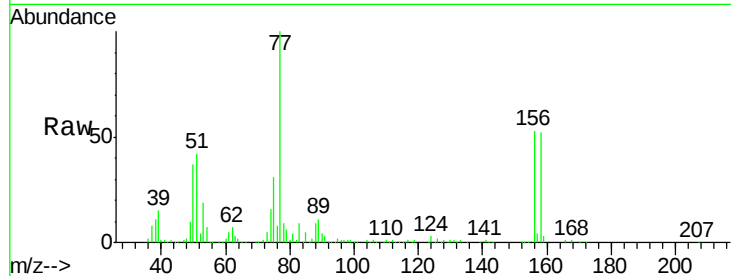
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	224.9	120.2	360.6	
158	97.7	48.9	146.6	

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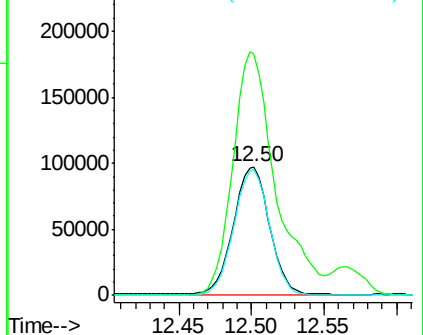


Abundance

Ion 155.80 (155.50 to 156.50): V

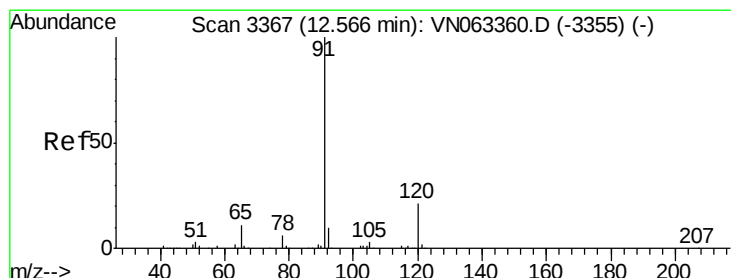
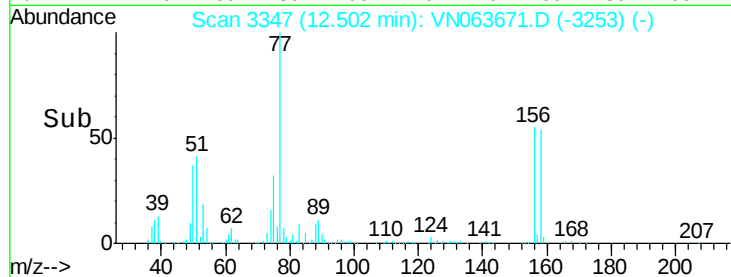
Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



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9/28/2020 5:15:12 PM



#78

n-propylbenzene

Concen: 45.472 ug/l

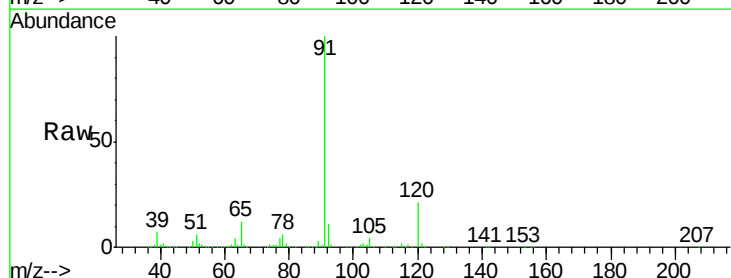
RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

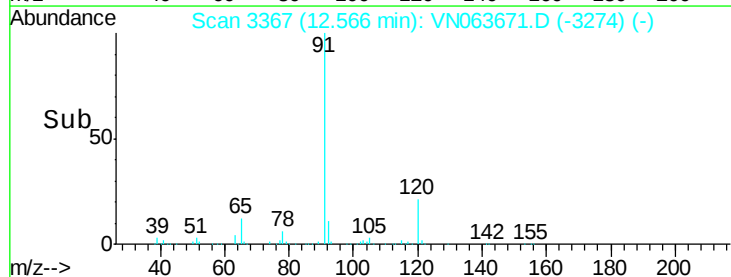
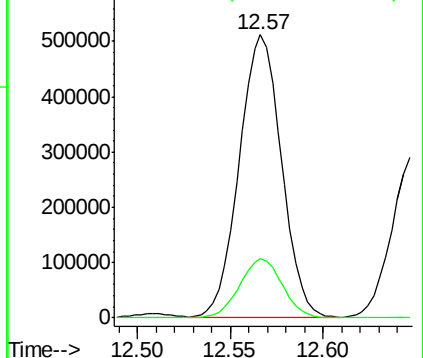
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.3	10.8	32.3	

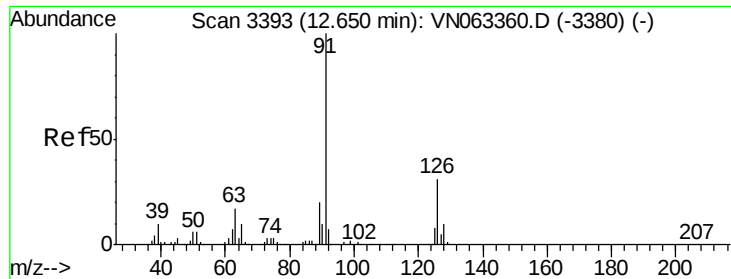


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.049 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

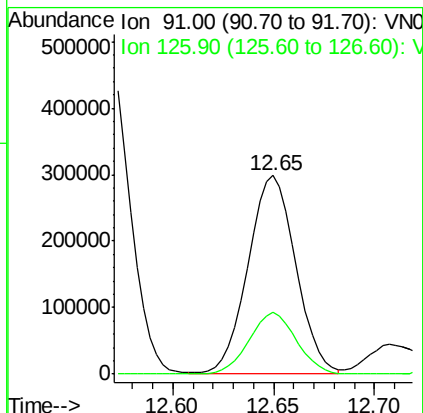
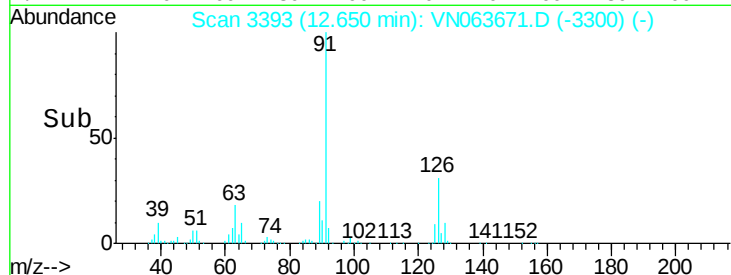
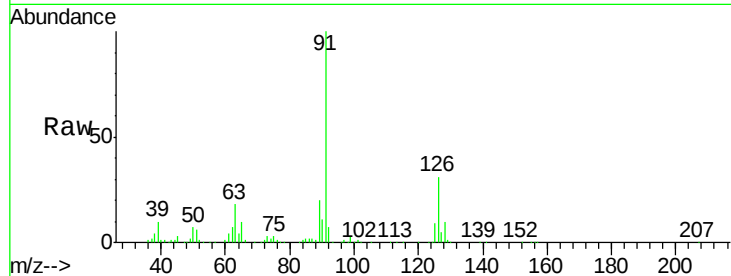
Tot Ion: 91 Resp: 489795

Ion Ratio Lower Upper

91 100

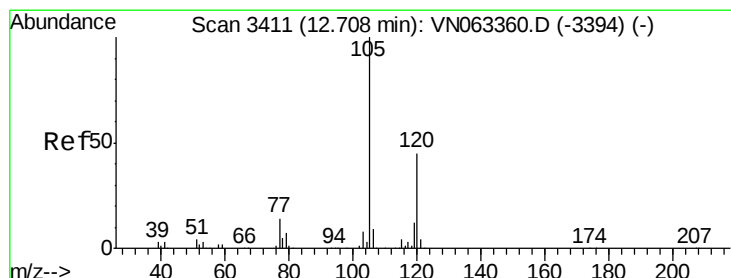
126 31.3 15.8 47.3

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9/28/2020 5:15:12 PM



#80

1,3,5-Trimethylbenzene

Concen: 46.698 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063671.D

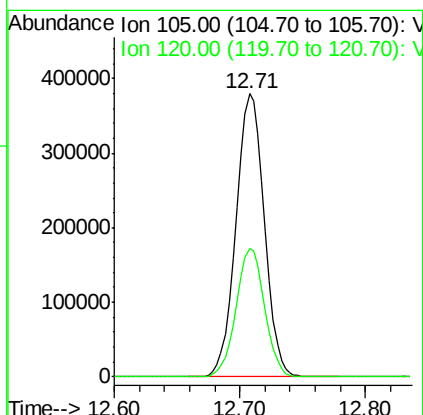
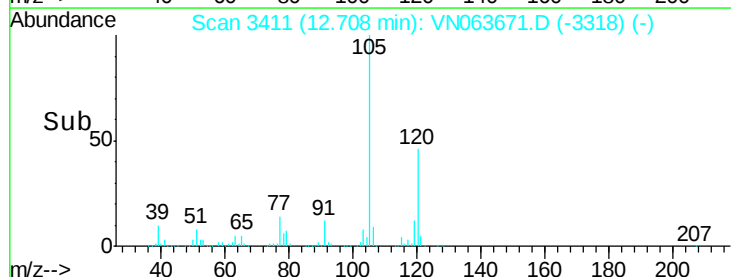
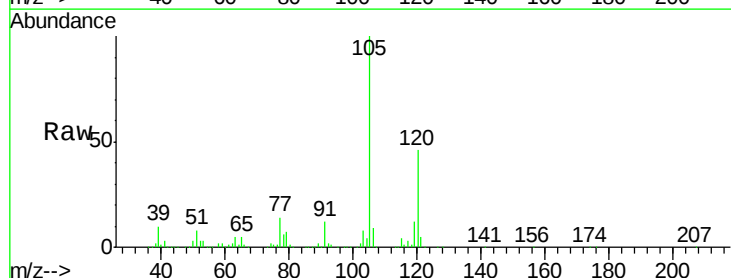
Acq: 25 Sep 2020 9:25

Tgt Ion: 105 Resp: 593227

Ion Ratio Lower Upper

105 100

120 45.9 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 35.778 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063671.D

Acq: 25 Sep 2020 9:25

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 75 Resp: 61406

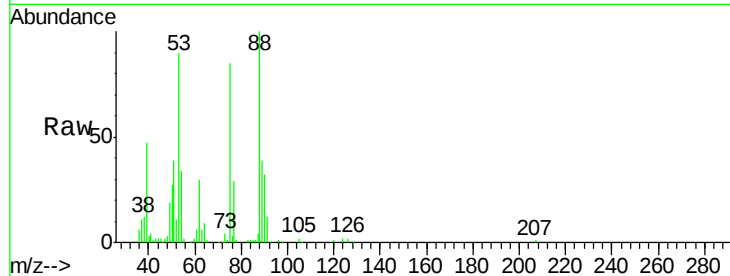
Ion Ratio Lower Upper

75 100

53 111.0 85.7 128.5

89 46.6 38.0 57.0

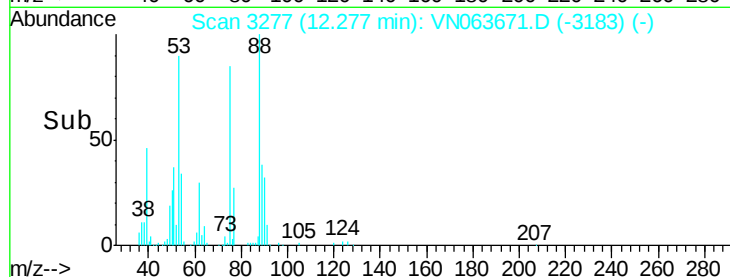
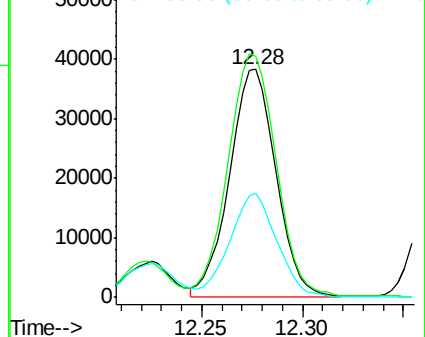
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Abundance Ion 74.90 (74.60 to 75.60): VN063671.D (-3183) (-)

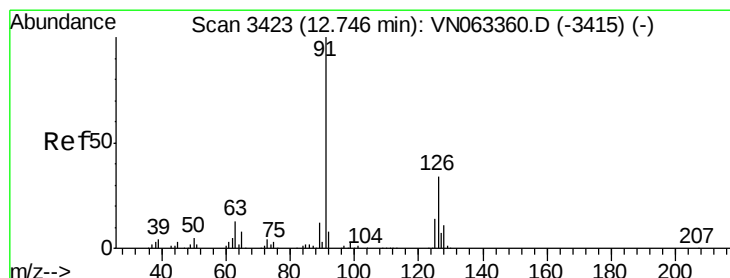
Ion 53.00 (52.70 to 53.70): VN063671.D (-3183) (-)

Ion 88.90 (88.60 to 89.60): VN063671.D (-3183) (-)



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9/28/2020 5:15:12 PM



#82

4-Chlorotoluene

Concen: 45.711 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN063671.D

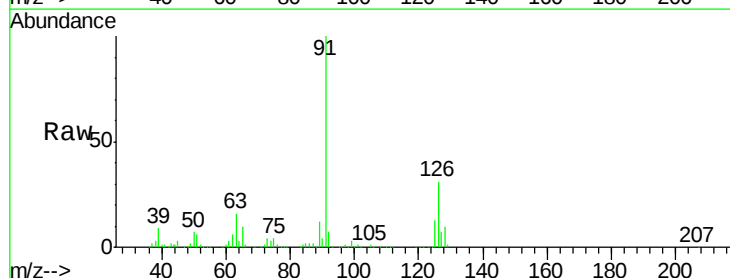
Acq: 25 Sep 2020 9:25

Tgt Ion: 91 Resp: 513710

Ion Ratio Lower Upper

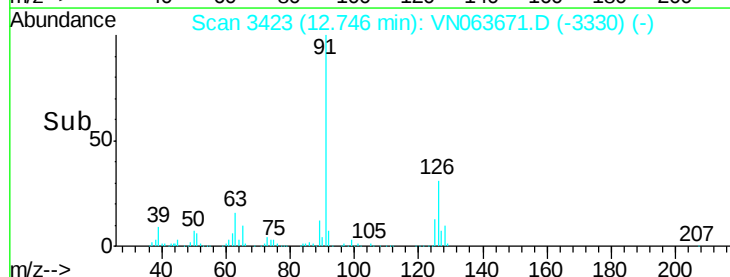
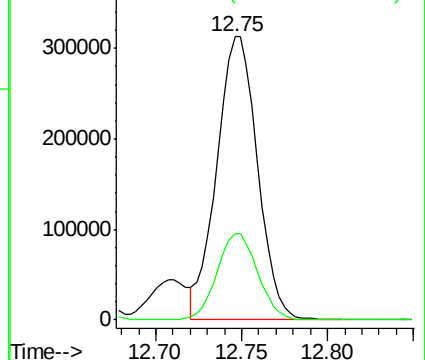
91 100

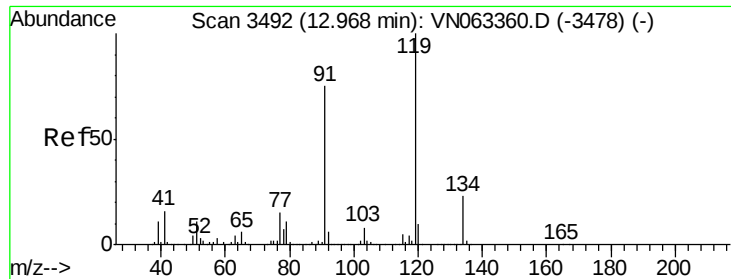
126 30.5 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VN063671.D (-3330) (-)

Ion 125.90 (125.60 to 126.60): VN063671.D (-3330) (-)



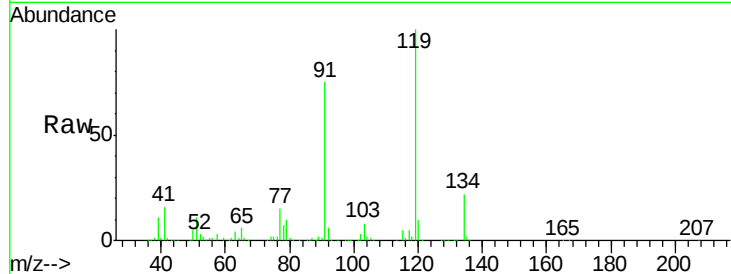


#83
tert-Butylbenzene
Concen: 45.707 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

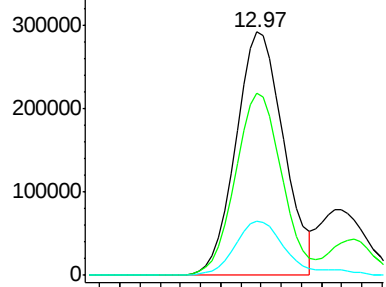
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.7	36.3	108.9
134	24.4	12.3	36.8

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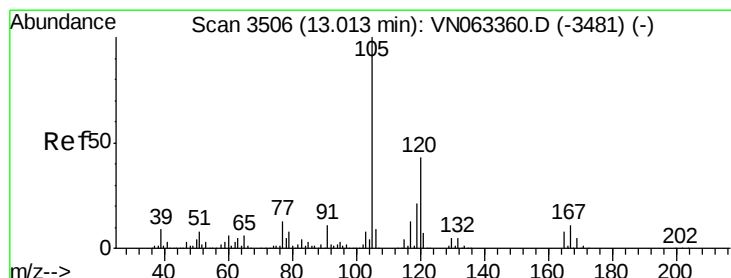
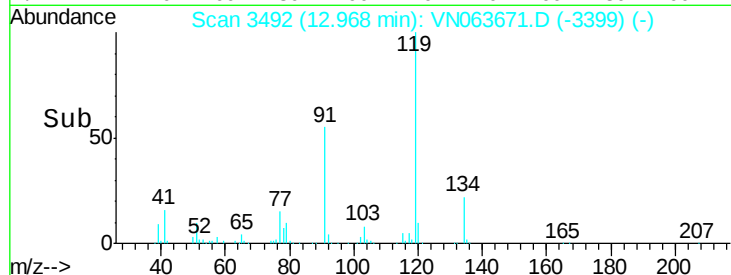


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



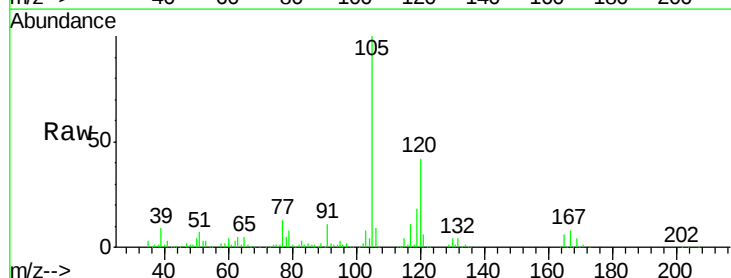
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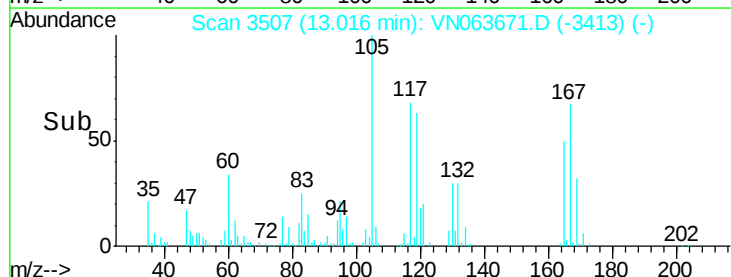
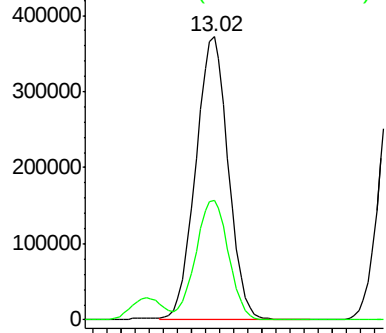


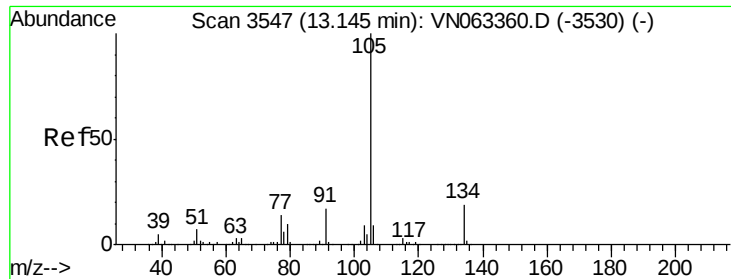
#84
1,2,4-Trimethylbenzene
Concen: 46.474 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.7	21.3	63.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



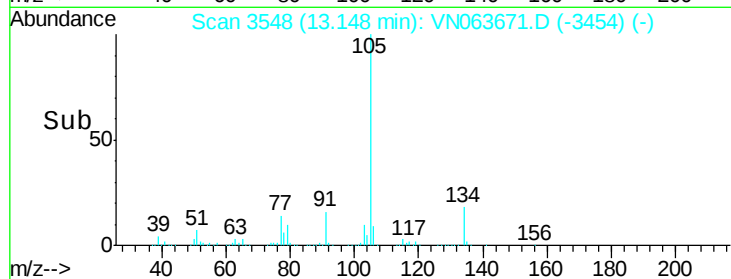
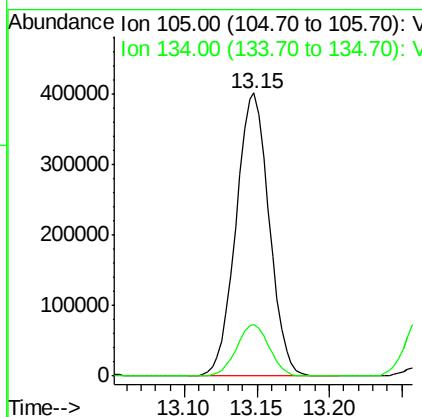
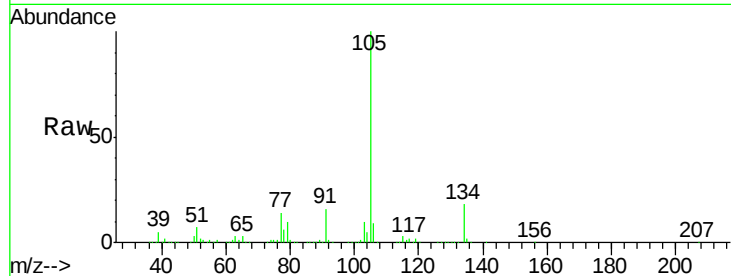


#85
 sec-Butylbenzene
 Concen: 45.457 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063671.D
 Acq: 25 Sep 2020 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

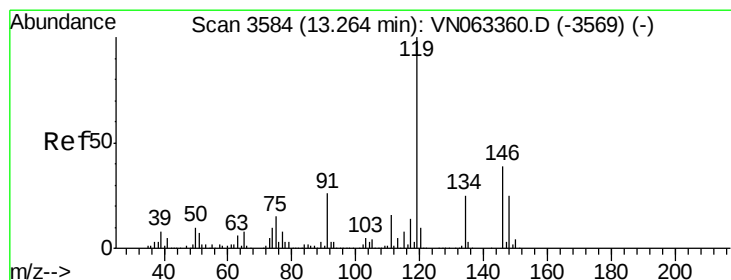
Tot Ion	Ratio	Lower	Upper
105	100		
134	18.2	9.3	27.7

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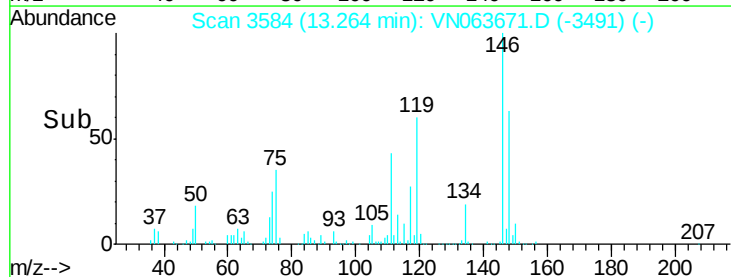
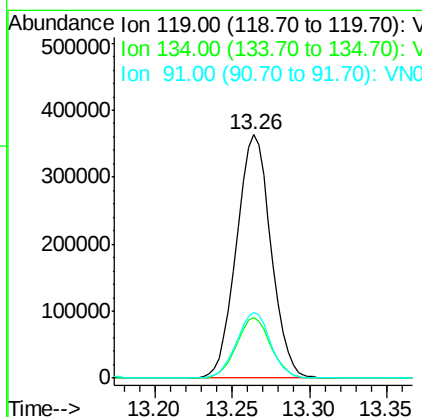
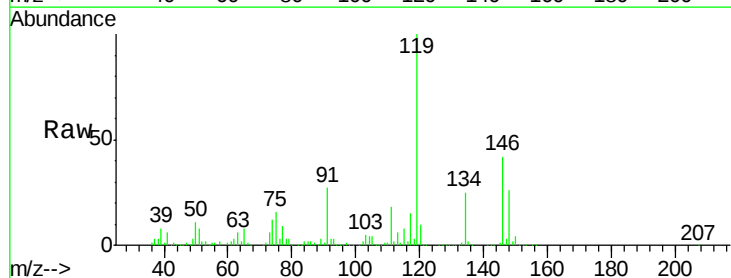
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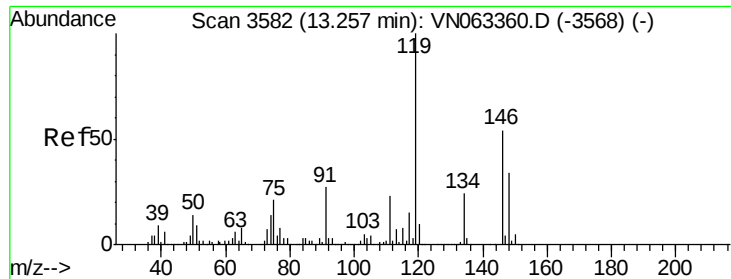
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#86
 p-Isopropyltoluene
 Concen: 45.274 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063671.D
 Acq: 25 Sep 2020 9:25

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.5	37.5
91	26.5	13.4	40.1



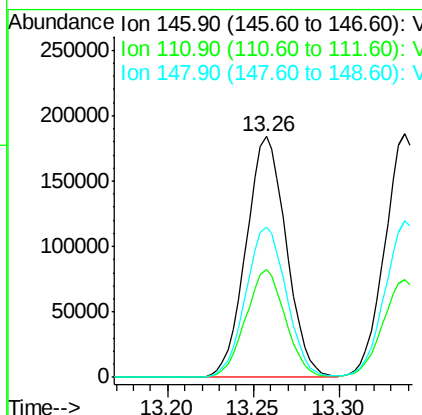
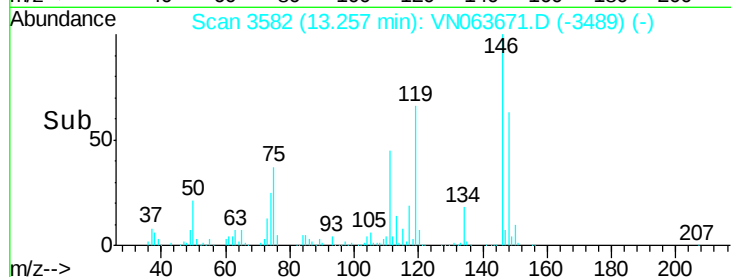
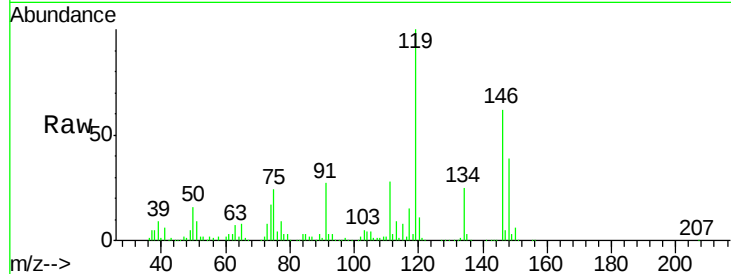


#87
 1,3-Dichlorobenzene
 Concen: 47.078 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063671.D
 Acq: 25 Sep 2020 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

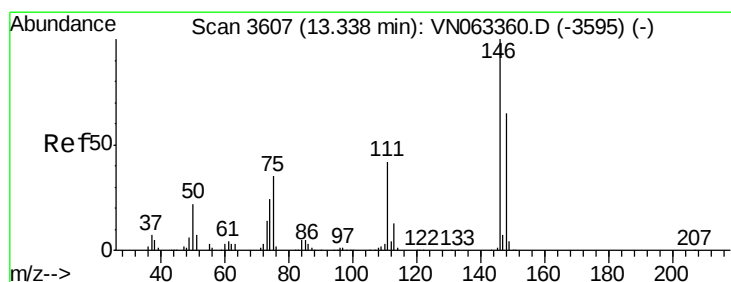
Tot Ion	Ratio	Resp	Lower	Upper
146	100	299021		
111	44.0	21.4	64.3	
148	63.0	31.9	95.7	

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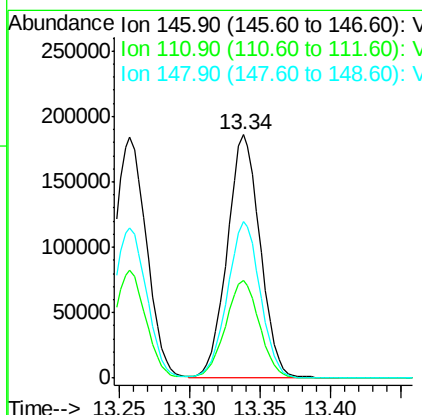
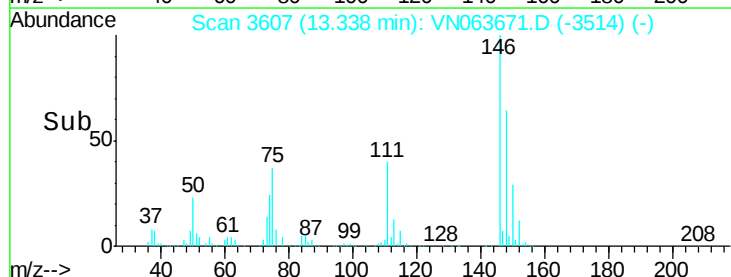
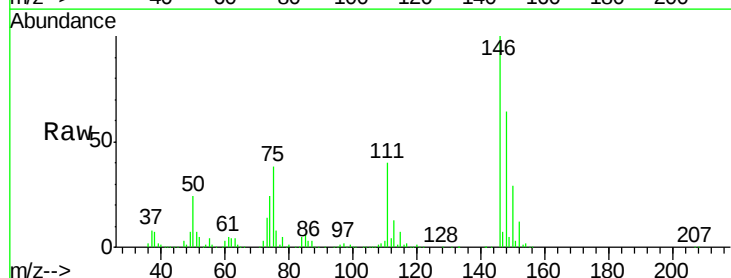
MMDadoda

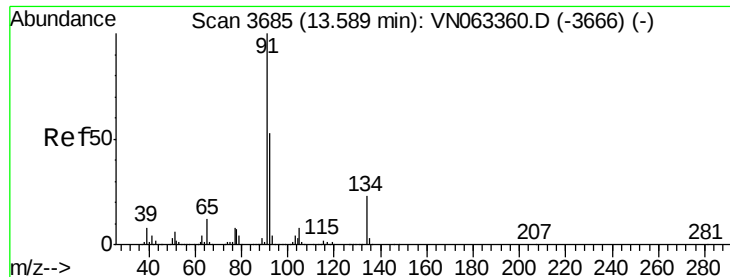
9/28/2020 5:15:12 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.974 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063671.D
 Acq: 25 Sep 2020 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	303343		
111	41.4	21.2	63.6	
148	64.3	31.9	95.9	



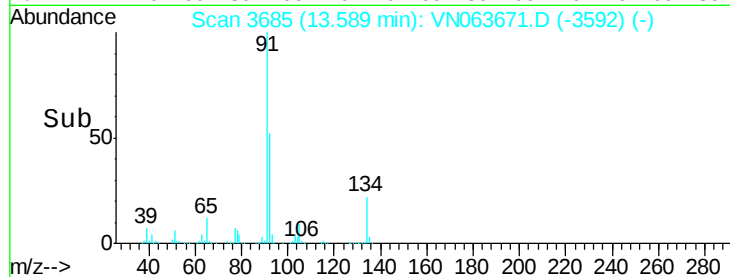
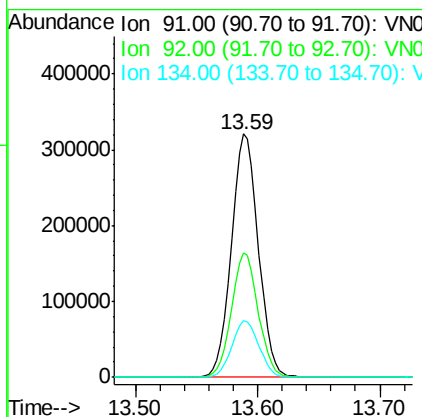
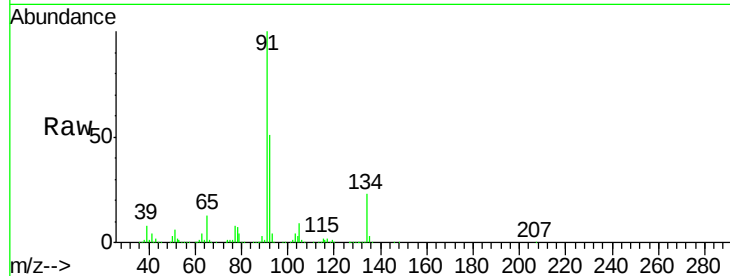


#89
n-Butylbenzene
Concen: 43.252 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

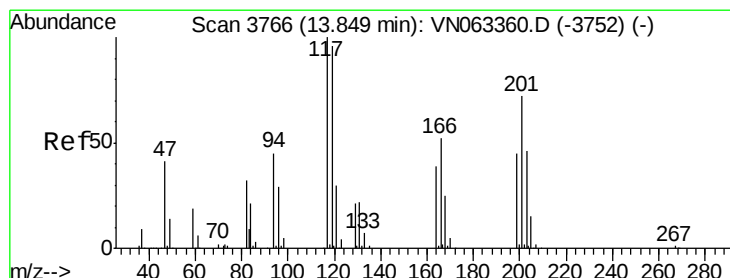
Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	26.0	78.0
134	23.4	11.7	35.0

Manual Integrations
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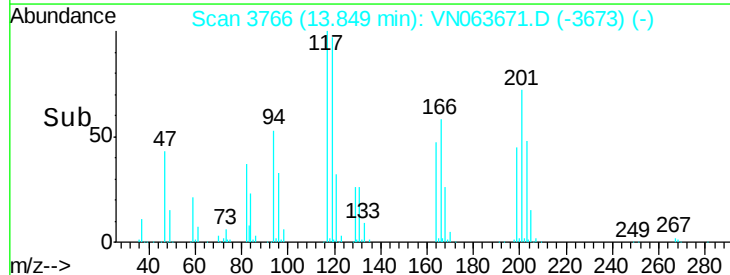
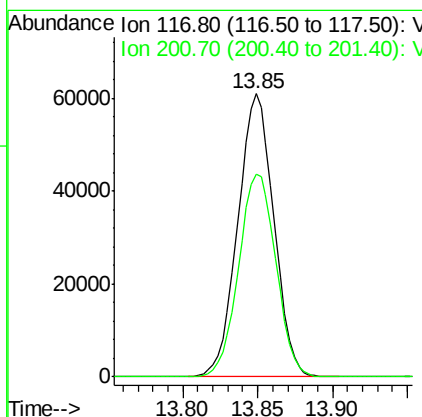
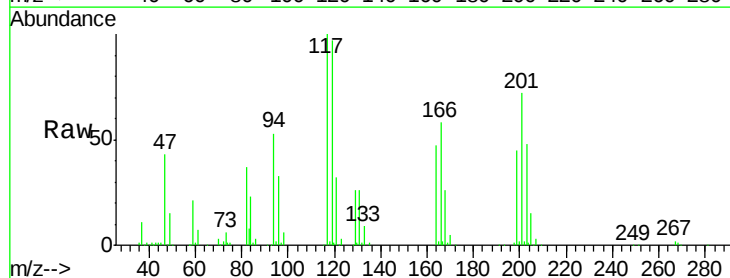
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9/28/2020 5:15:12 PM



#90
Hexachloroethane
Concen: 43.352 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.0	35.5	106.7



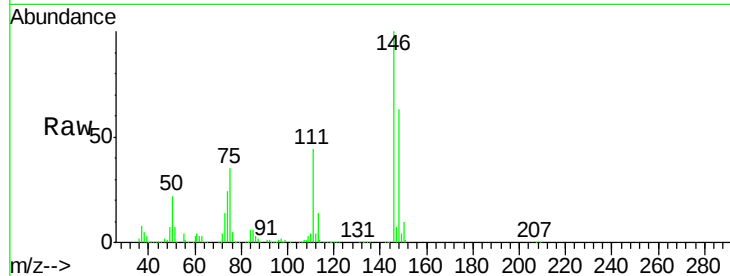


#91
 1,2-Dichlorobenzene
 Concen: 48.233 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063671.D
 Acq: 25 Sep 2020 9:25

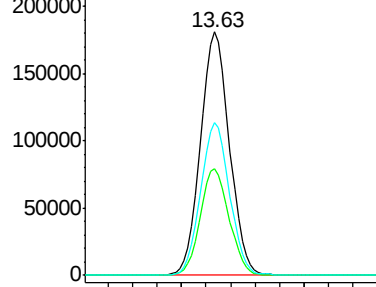
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion:	146	Resp:	300774
Ion Ratio	Lower	Upper	
146	100		
111	43.6	22.4	67.2
148	62.4	32.0	96.0

Manual Integrations
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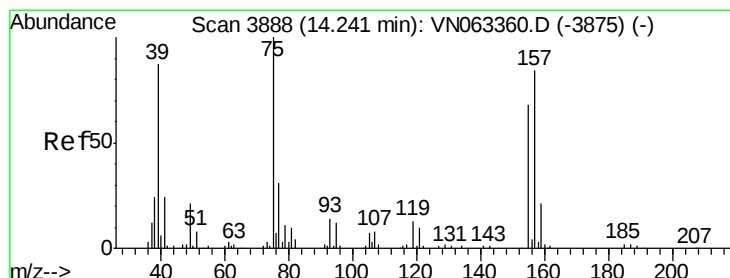
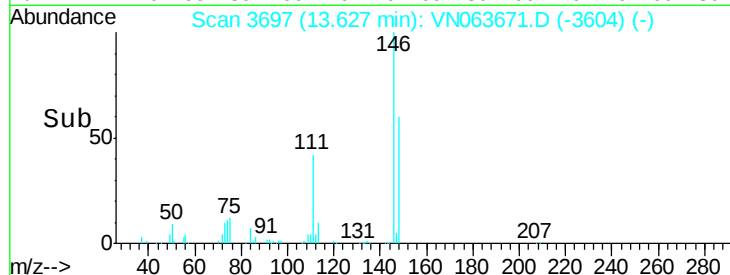


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



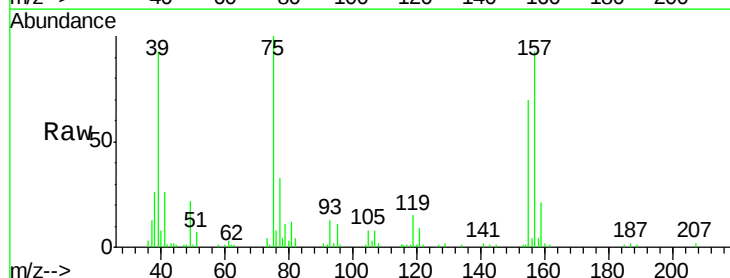
MMDadoda

9/28/2020 5:15:12 PM

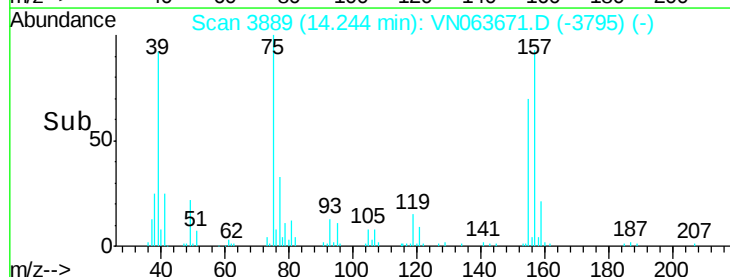
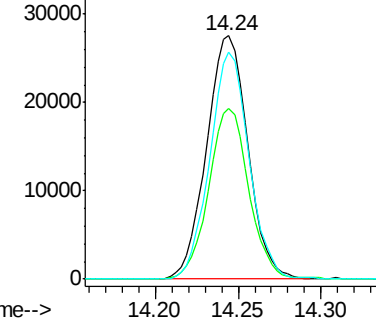


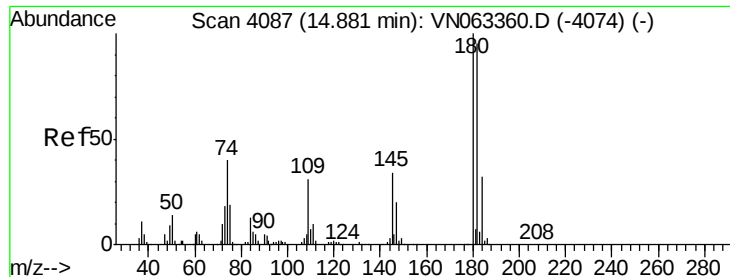
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.497 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063671.D
 Acq: 25 Sep 2020 9:25

Tgt Ion:	75	Resp:	47734
Ion Ratio	Lower	Upper	
75	100		
155	67.9	34.6	103.9
157	88.7	43.7	131.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V



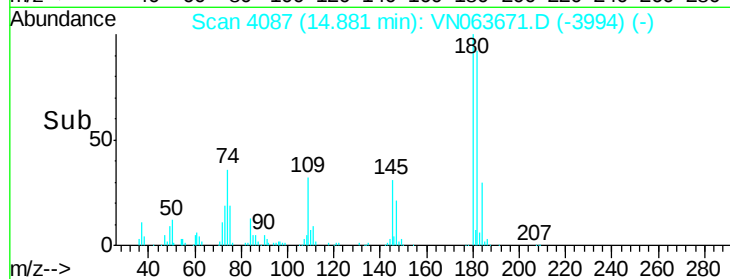
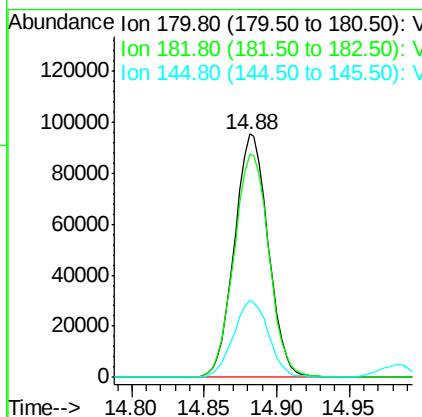
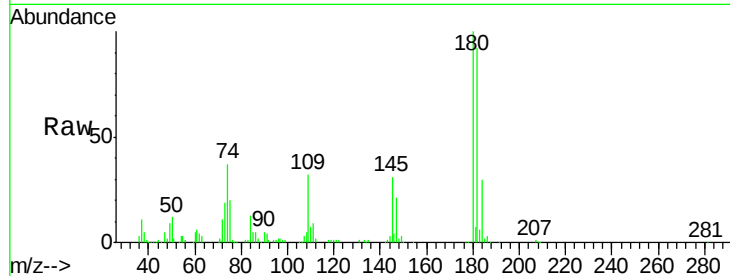


#93
 1,2,4-Trichlorobenzene
 Concen: 42.117 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063671.D
 Acq: 25 Sep 2020 9:25

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

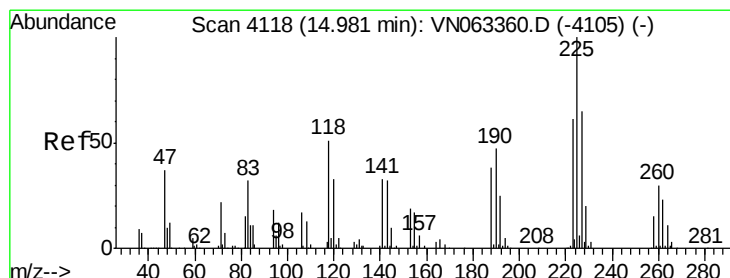
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.9	47.3	142.0	
145	32.7	16.6	49.7	

Manual Integrations
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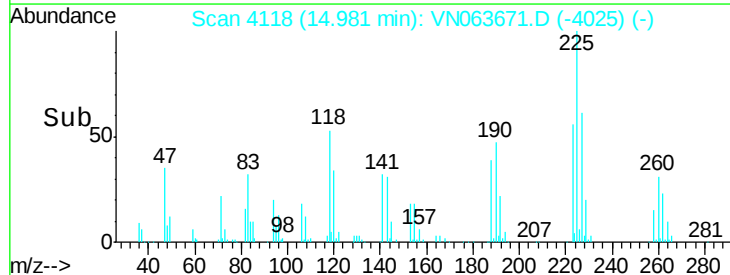
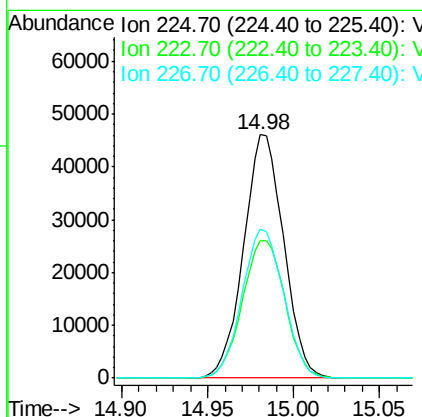
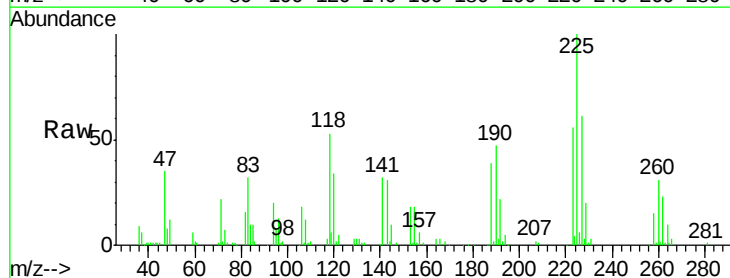
MMDadoda

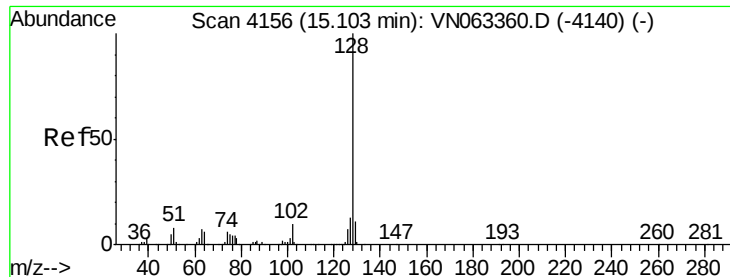
9/28/2020 5:15:12 PM



#94
 Hexachlorobutadiene
 Concen: 48.918 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063671.D
 Acq: 25 Sep 2020 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.2	30.6	91.6	
227	63.2	31.2	93.6	



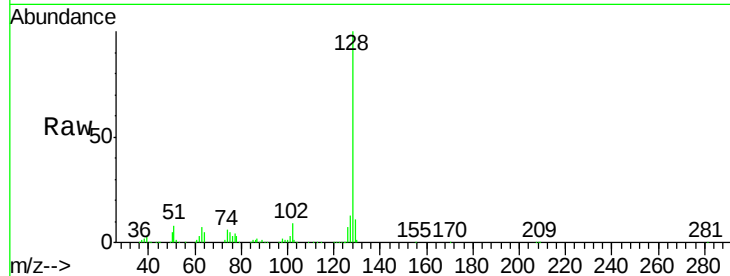


#95
Naphthalene
Concen: 40.429 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

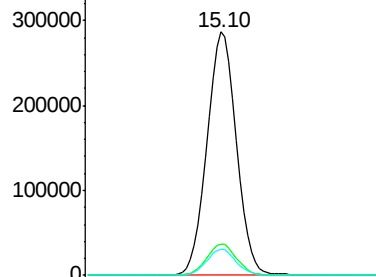
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	491027		
127	13.2	10.6	15.8	
129	10.7	8.8	13.2	

Manual Integrations
APPROVED

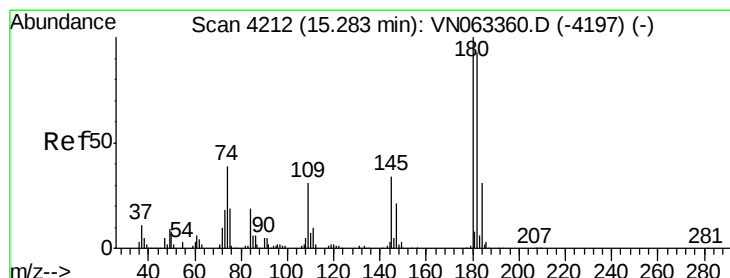
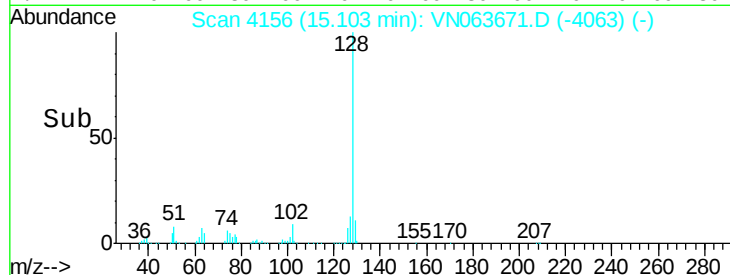


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



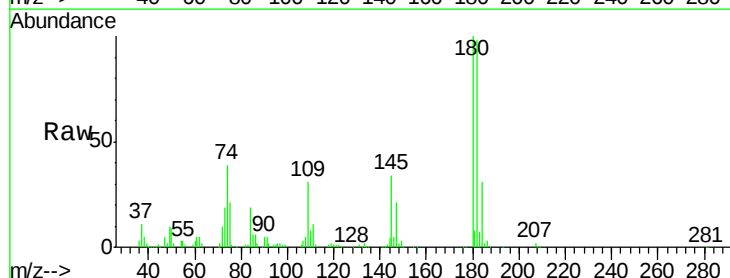
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9/28/2020 5:15:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 42.240 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN063671.D
Acq: 25 Sep 2020 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	150039		
182	95.3	46.7	140.1	
145	33.5	16.8	50.3	



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

