

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063551.D
 Acq On : 22 Sep 2020 22:30
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/23/2020 1:06:33 PM

Quant Time: Sep 23 05:31:31 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	259953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	450998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	420943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	198860	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	198069	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	
35) Dibromofluoromethane	7.55	113	140909	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	
50) Toluene-d8	10.06	98	527782	44.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.92%	
62) 4-Bromofluorobenzene	12.38	95	204783	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	132131	44.866	ug/l	97
3) Chloromethane	2.04	50	159535	40.949	ug/l	100
4) Vinyl Chloride	2.16	62	163256	47.297	ug/l	99
5) Bromomethane	2.53	94	97869	47.754	ug/l	100
6) Chloroethane	2.67	64	97798	46.156	ug/l	99
7) Trichlorofluoromethane	2.99	101	253930	49.307	ug/l	99
8) Diethyl Ether	3.38	74	93022	46.335	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	136068	46.981	ug/l	99
10) Methyl Iodide	3.91	142	176120	46.707	ug/l	98
11) Tert butyl alcohol	4.73	59	120327	196.282	ug/l	100
12) 1,1-Dichloroethene	3.70	96	133699	45.576	ug/l	98
13) Acrolein	3.56	56	79016	347.811	ug/l	100
14) Allyl chloride	4.28	41	229076	39.478	ug/l	89
15) Acrylonitrile	4.93	53	360700	231.315	ug/l	100
16) Acetone	3.77	43	319760	224.843	ug/l	97
17) Carbon Disulfide	4.01	76	356799	41.814	ug/l	99
18) Methyl Acetate	4.27	43	173133	47.955	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	490099	44.826	ug/l	99
20) Methylene Chloride	4.51	84	162431	45.080	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	148804	45.784	ug/l	93
22) Diisopropyl ether	5.90	45	542117	45.809	ug/l	98
23) Vinyl Acetate	5.84	43	2232501	229.702	ug/l	99
24) 1,1-Dichloroethane	5.80	63	297252	46.007	ug/l	100
25) 2-Butanone	6.78	43	488401	223.296	ug/l	100
26) 2,2-Dichloropropane	6.78	77	221716	38.976	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	174361	47.397	ug/l	97
28) Bromochloromethane	7.15	49	137756	46.177	ug/l	98
29) Tetrahydrofuran	7.16	42	326373	218.480	ug/l	99
30) Chloroform	7.33	83	311211	48.010	ug/l	99
31) Cyclohexane	7.61	56	246887	40.397	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	270667	46.946	ug/l	99
36) 1,1-Dichloropropene	7.75	75	218237	45.421	ug/l	99
37) Ethyl Acetate	6.88	43	218139	46.258	ug/l	97
38) Carbon Tetrachloride	7.73	117	233836	47.676	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	220335	42.253	ug/l	98
40) Benzene	8.00	78	645479	47.061	ug/l	99
41) Methacrylonitrile	7.14	41	114740m	54.099	ug/l	
42) 1,2-Dichloroethane	8.08	62	261607	47.429	ug/l	100
43) Isopropyl Acetate	8.13	43	370812	43.976	ug/l #	89
44) Trichloroethene	8.80	130	157963	47.483	ug/l	96
45) 1,2-Dichloropropane	9.08	63	174924	46.826	ug/l	99
46) Dibromomethane	9.17	93	120784	49.194	ug/l	97
47) Bromodichloromethane	9.37	83	250845	49.179	ug/l	98
48) Methyl methacrylate	9.16	41	183171	44.215	ug/l	97
49) 1,4-Dioxane	9.17	88	49078	825.524	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	1103003	233.659	ug/l	99
52) Toluene	10.13	92	400936	48.620	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	261029	45.840	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	274668	45.729	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	162231	49.528	ug/l	99
56) Ethyl methacrylate	10.40	69	243564	47.632	ug/l	98
57) 1,3-Dichloropropane	10.68	76	276282	46.773	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	626900	233.707	ug/l	97
59) 2-Hexanone	10.72	43	800963	234.205	ug/l	100
60) Dibromochloromethane	10.87	129	177210	47.889	ug/l	100
61) 1,2-Dibromoethane	10.98	107	167717	49.285	ug/l	100
64) Tetrachloroethene	10.60	164	143945	50.219	ug/l	98
65) Chlorobenzene	11.41	112	424844	47.546	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	160456	48.988	ug/l	99
67) Ethyl Benzene	11.49	91	800094	47.548	ug/l	100
68) m/p-Xylenes	11.60	106	579717	95.552	ug/l	99
69) o-Xylene	11.92	106	279096	48.291	ug/l	100
70) Styrene	11.94	104	483078	49.843	ug/l	98
71) Bromoform	12.10	173	116342	47.679	ug/l #	97
73) Isopropylbenzene	12.22	105	757566	47.540	ug/l	100
74) N-amyl acetate	12.05	43	332825	44.121	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	228722	46.355	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	245191m	49.815	ug/l	
77) Bromobenzene	12.50	156	178555	49.812	ug/l	95
78) n-propylbenzene	12.57	91	885060	47.685	ug/l	100
79) 2-Chlorotoluene	12.65	91	532936	47.900	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	648229	48.782	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	75631	42.127	ug/l	96
82) 4-Chlorotoluene	12.75	91	562697	47.867	ug/l	99
83) tert-Butylbenzene	12.97	119	515267	46.982	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	647816	48.265	ug/l	99
85) sec-Butylbenzene	13.15	105	684214	46.607	ug/l	100
86) p-Isopropyltoluene	13.26	119	614316	47.444	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	321225	48.349	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	321296	47.565	ug/l	99
89) n-Butylbenzene	13.59	91	549938	46.077	ug/l	98
90) Hexachloroethane	13.85	117	111427	45.193	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	316757	48.561	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	51256	43.624	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	176408	45.874	ug/l	99
94) Hexachlorobutadiene	14.98	225	79832	50.146	ug/l	99
95) Naphthalene	15.10	128	569300	44.810	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	168819	45.436	ug/l	98

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

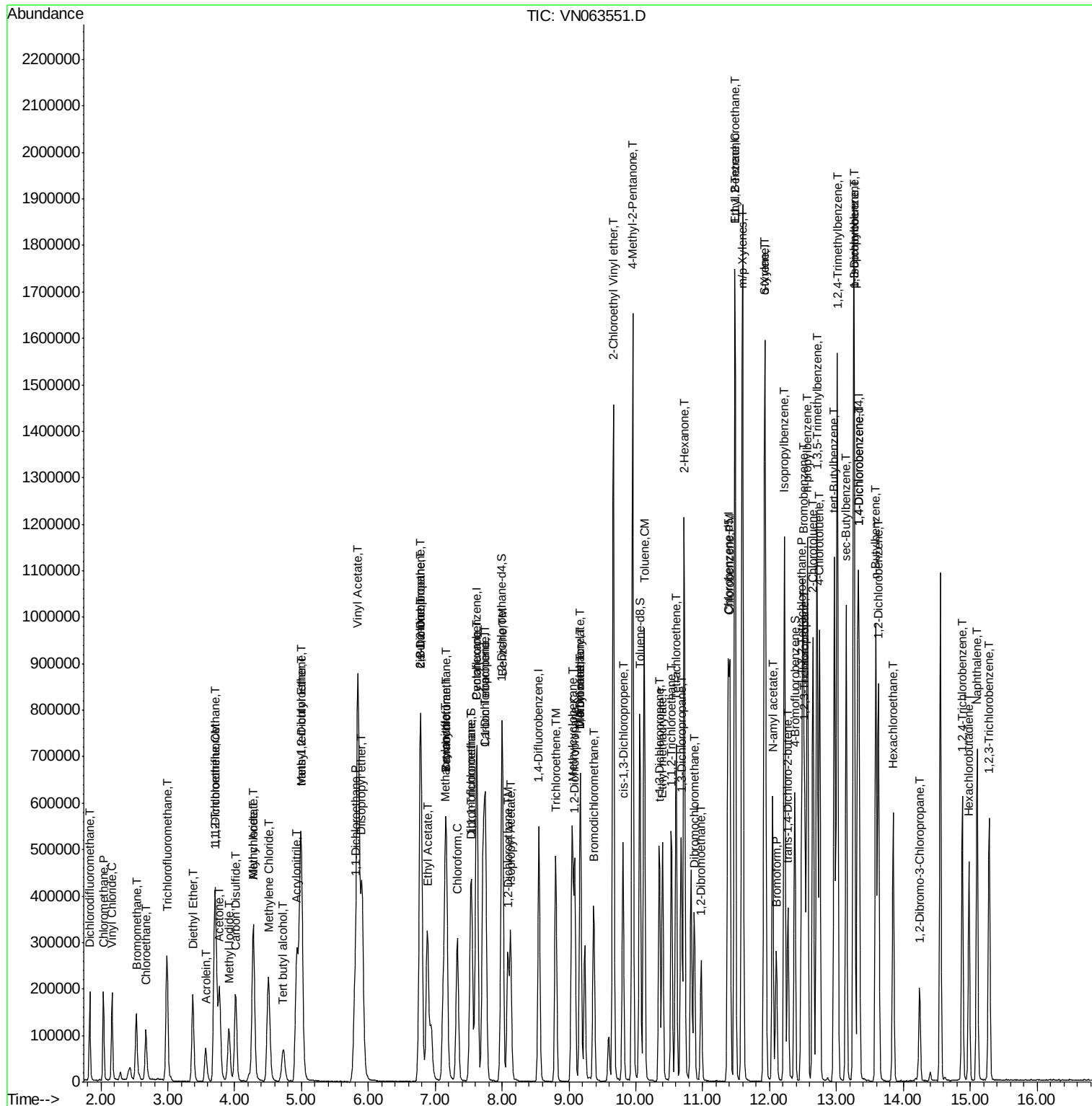
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092220\
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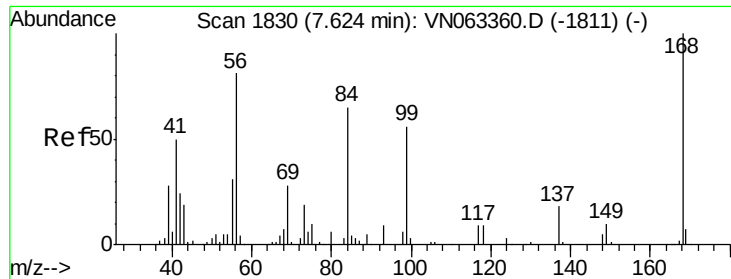
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 259953

Ion Ratio Lower Upper

168 100

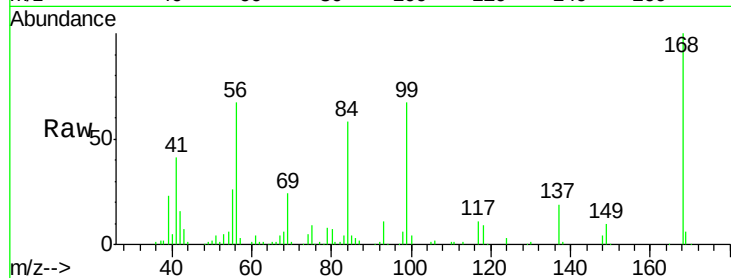
99 66.3 53.0 79.6

Manual Integrations

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9/23/2020 1:06:33 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

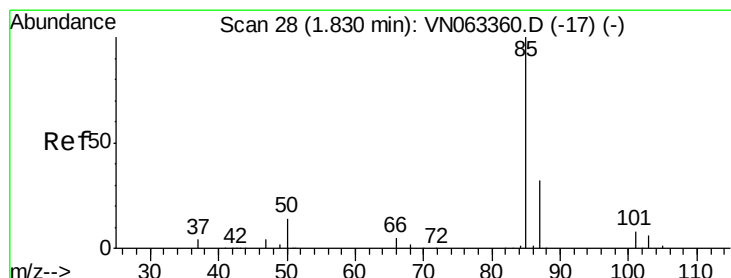
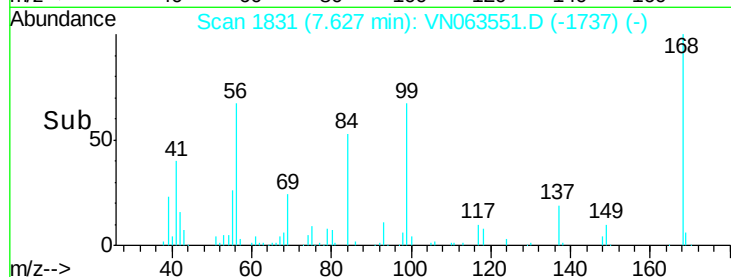
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 44.866 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063551.D

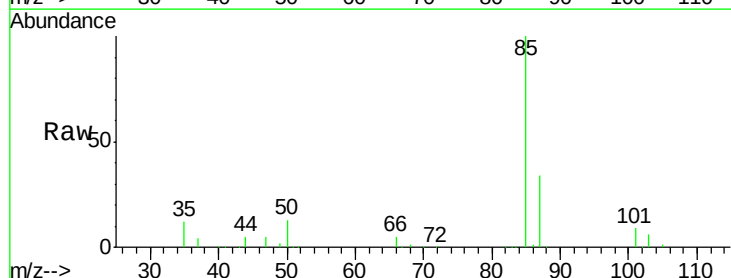
Acq: 22 Sep 2020 22:30

Tgt Ion: 85 Resp: 132131

Ion Ratio Lower Upper

85 100

87 33.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

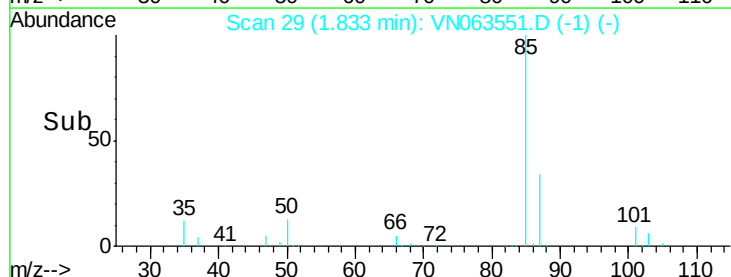
60000

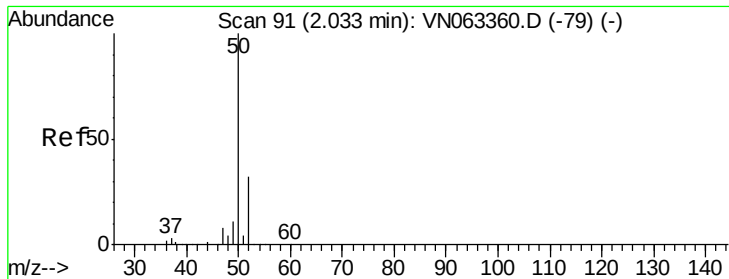
40000

20000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 40.949 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 159535

Ion Ratio Lower Upper

50 100

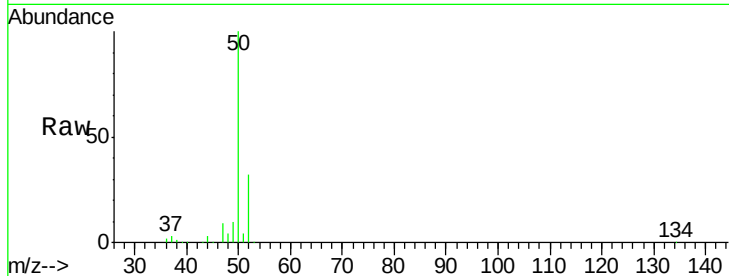
52 32.2 25.9 38.9

Manual Integrations

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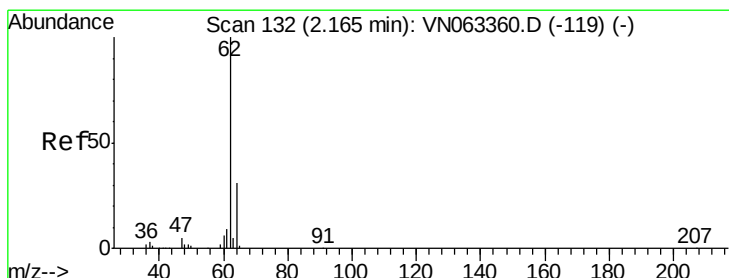
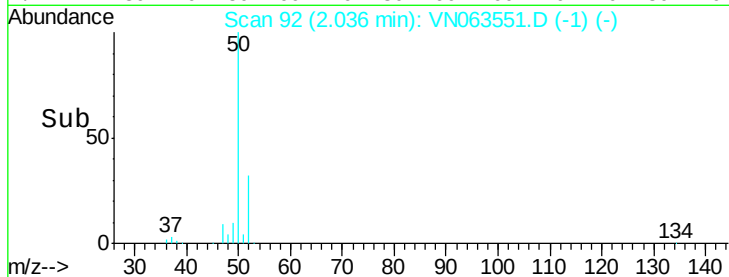
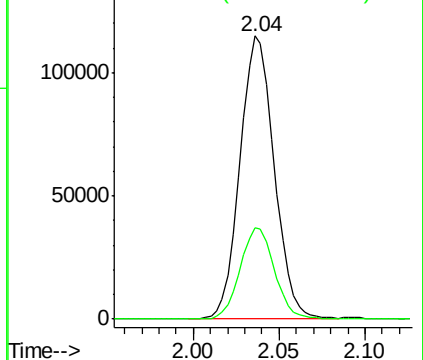
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 47.297 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063551.D

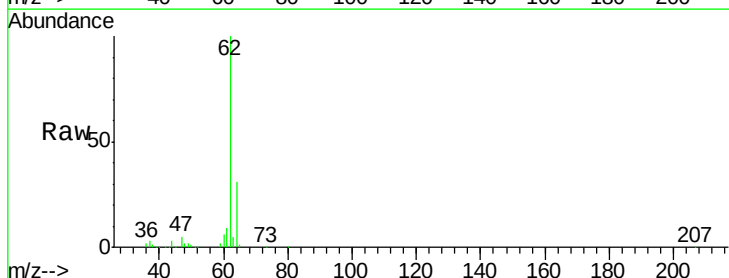
Acq: 22 Sep 2020 22:30

Tgt Ion: 62 Resp: 163256

Ion Ratio Lower Upper

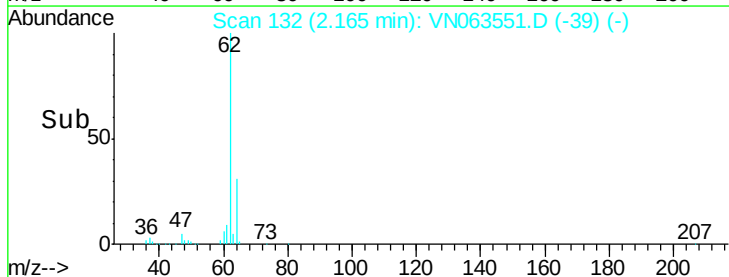
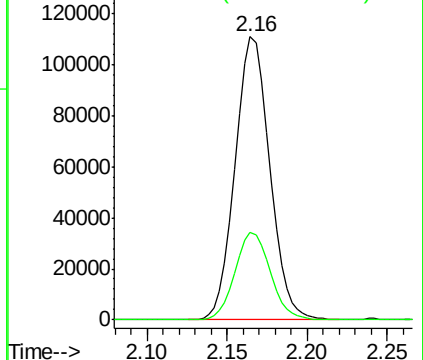
62 100

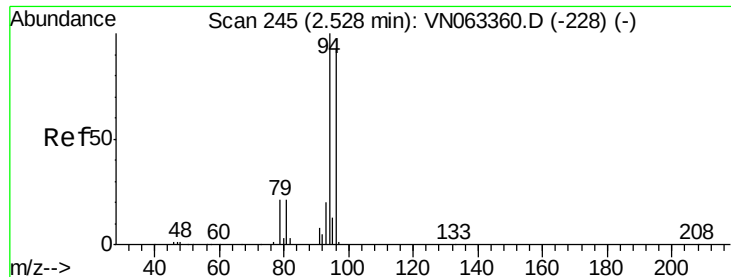
64 30.9 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 47.754 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 97869

Ion Ratio Lower Upper

94 100

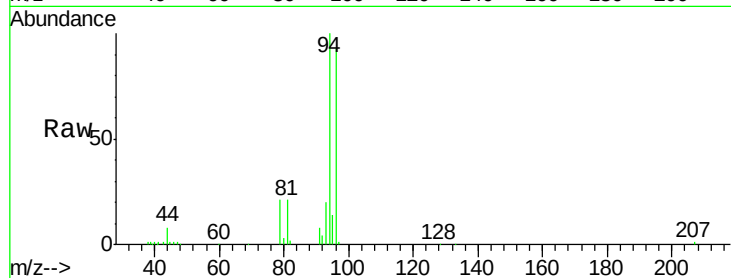
96 93.1 74.5 111.7

Manual Integrations

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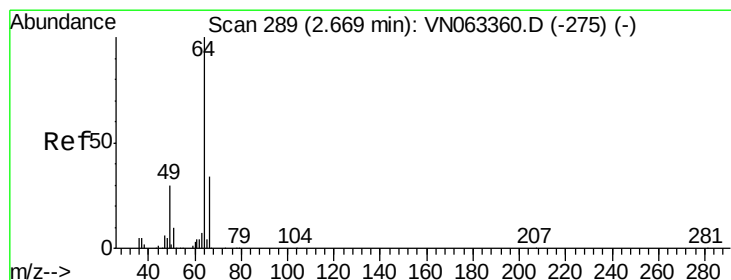
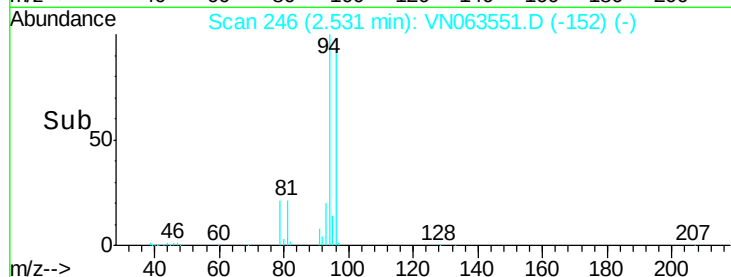
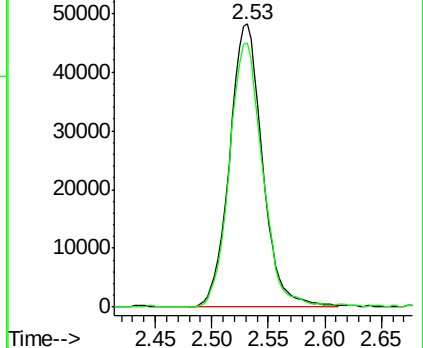
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.156 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063551.D

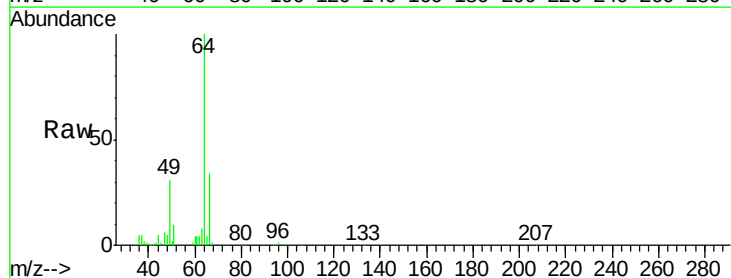
Acq: 22 Sep 2020 22:30

Tgt Ion: 64 Resp: 97798

Ion Ratio Lower Upper

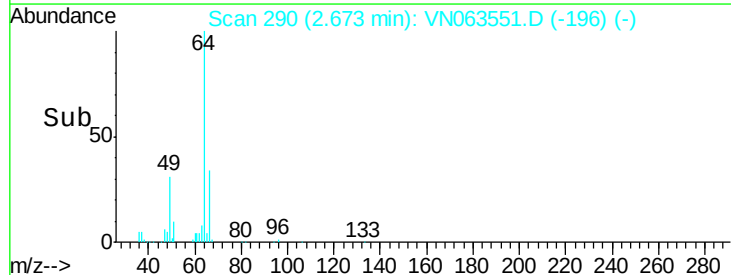
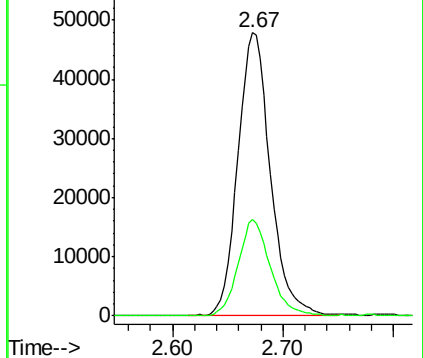
64 100

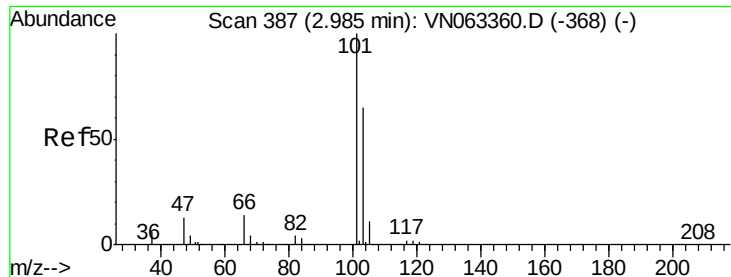
66 34.2 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

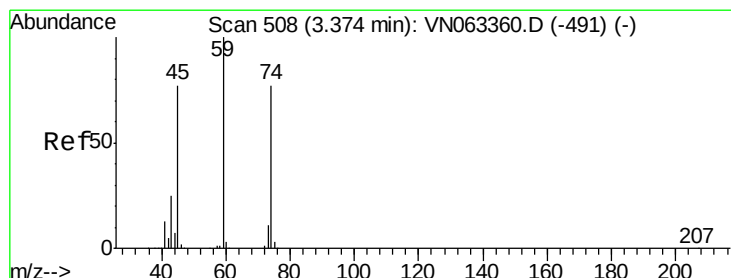
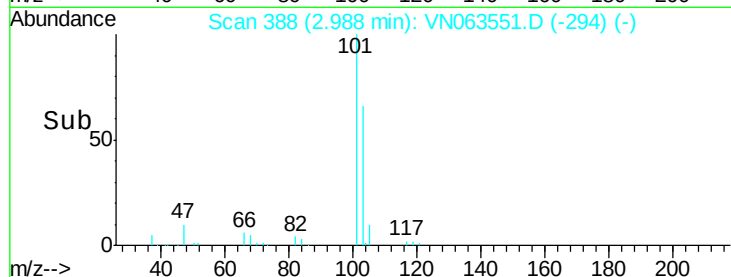
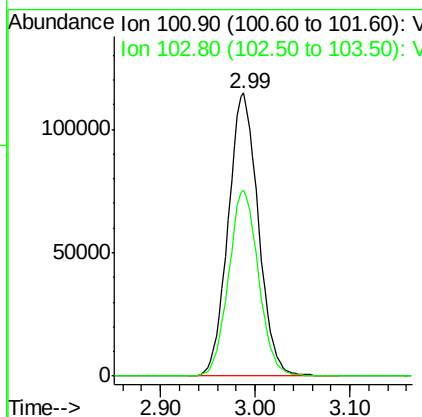
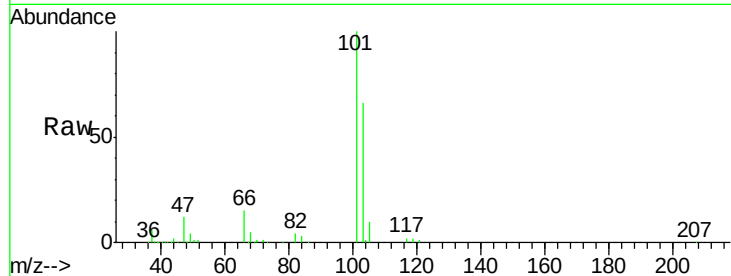
Trichlorofluoromethane
 Concen: 49.307 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	253930		
103	65.8	52.3	78.5	

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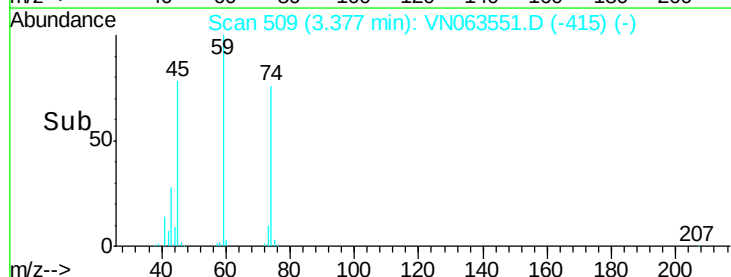
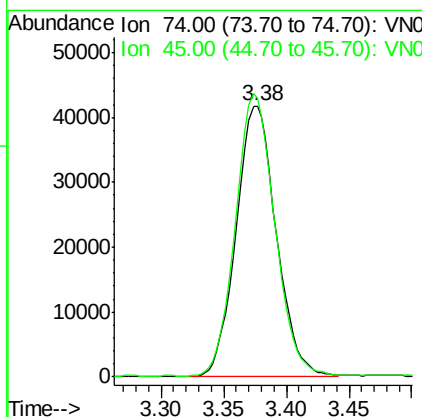
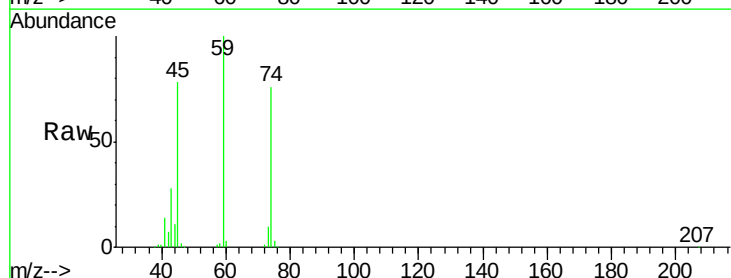
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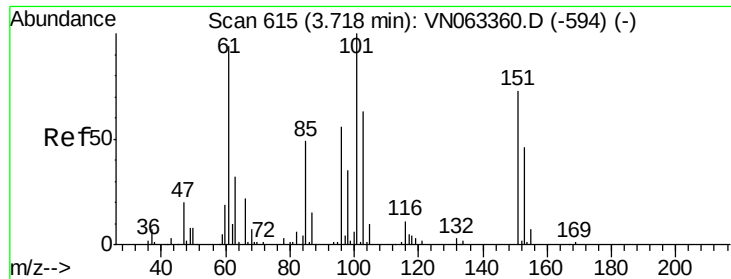


#8

Diethyl Ether
 Concen: 46.335 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	93022		
45	103.1	52.1	156.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.981 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

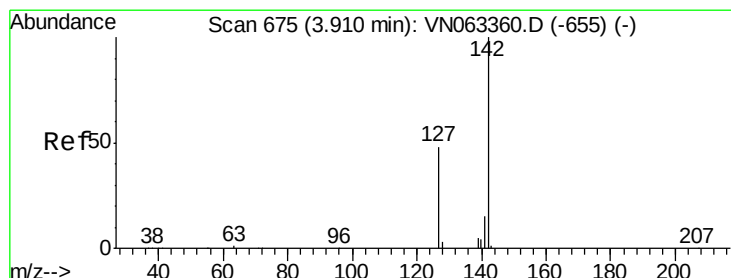
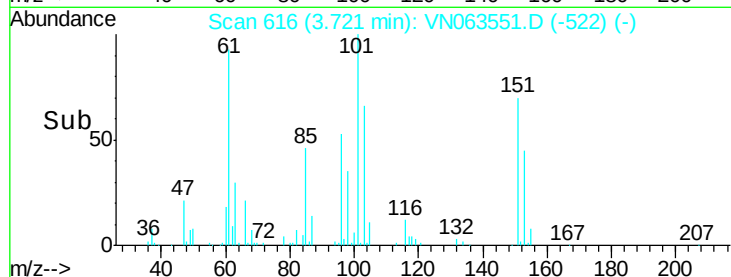
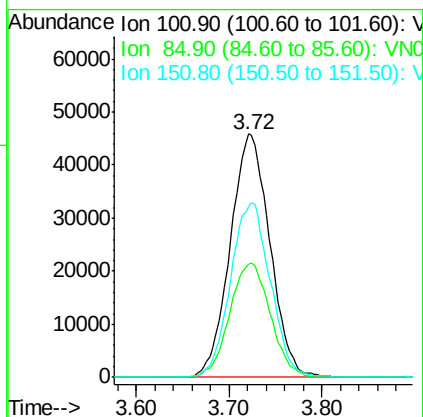
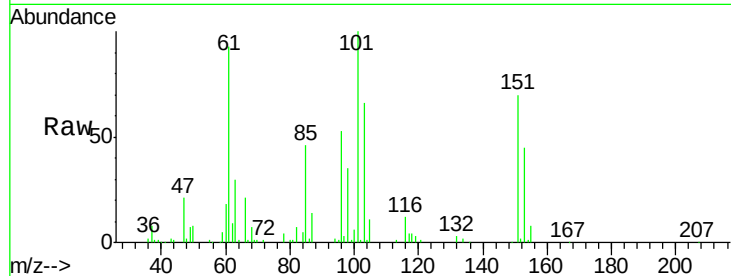
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	136068
Ion Ratio	Lower	Upper	
101	100		
85	48.1	37.7	56.5
151	71.9	57.7	86.5

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#10

Methyl Iodide

Concen: 46.707 ug/l

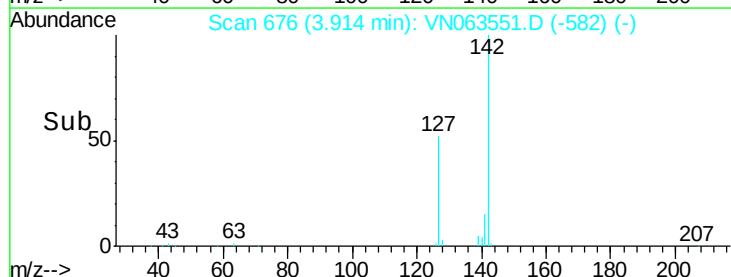
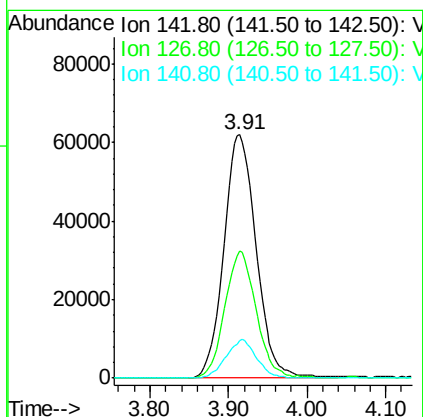
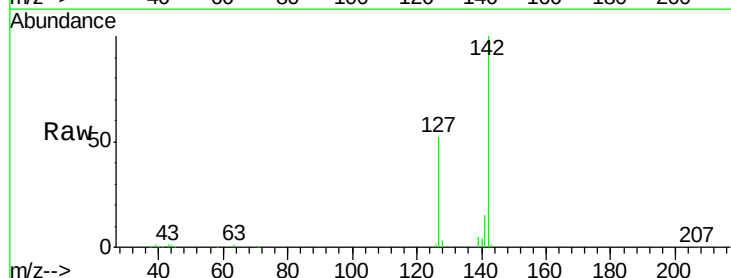
RT: 3.91 min Scan# 676

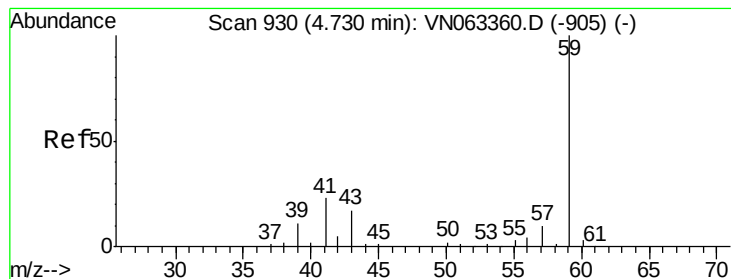
Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Tgt Ion:	142	Resp:	176120
Ion Ratio	Lower	Upper	
142	100		
127	50.2	39.0	58.6
141	14.8	11.6	17.4





#11

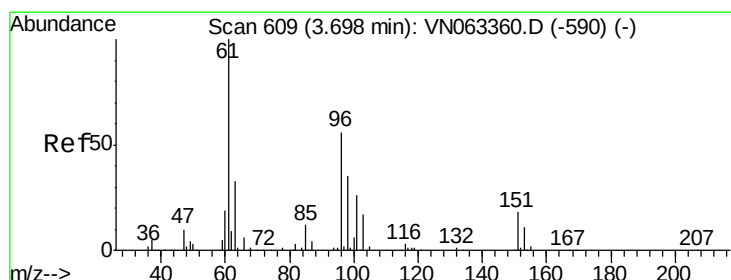
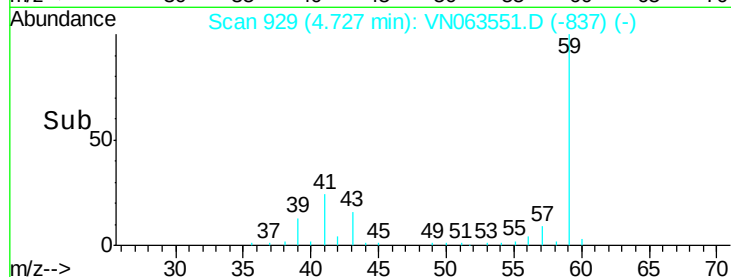
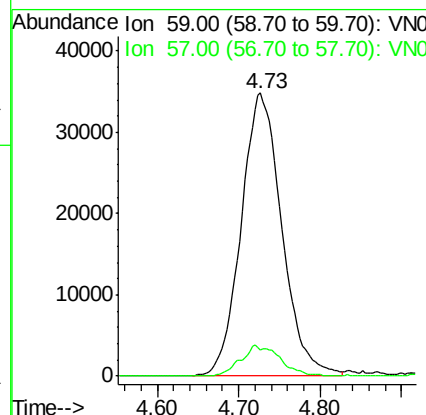
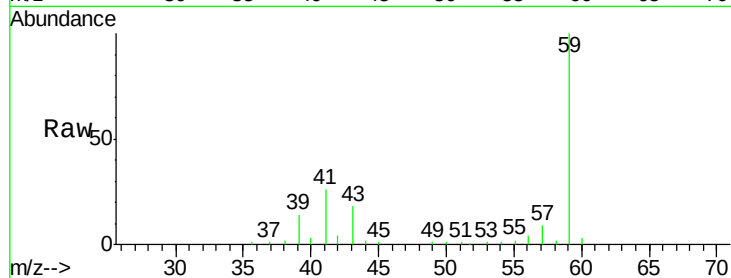
Tert butyl alcohol
 Concen: 196.282 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.4	12.6

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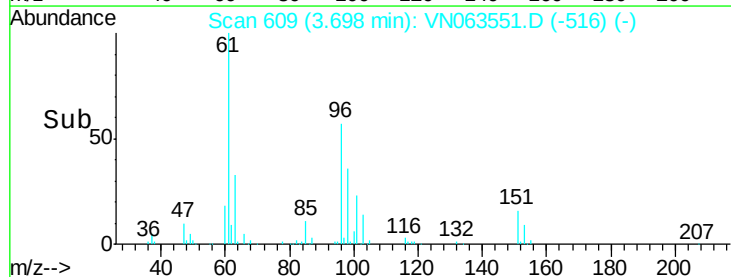
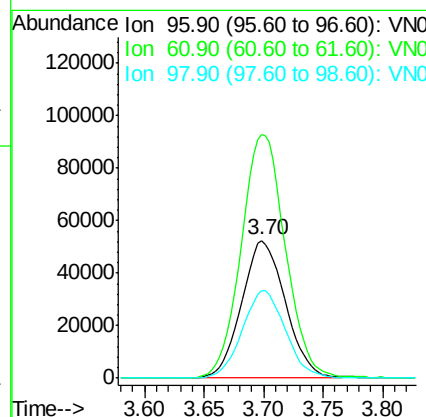
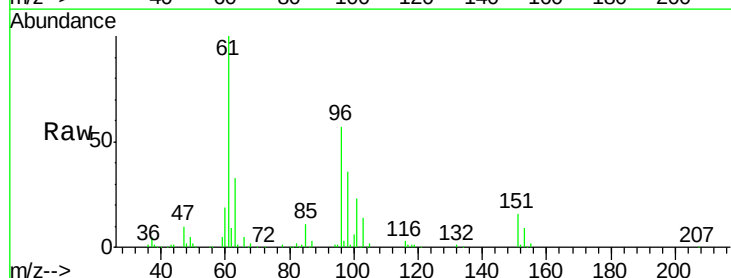
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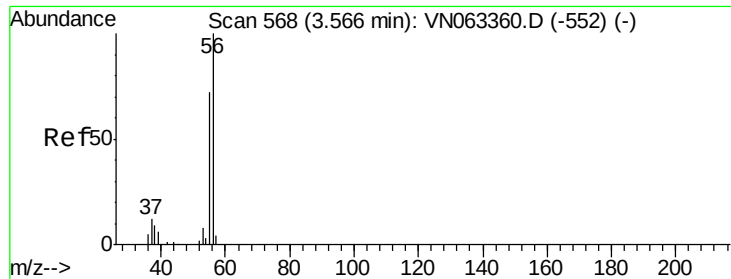


#12

1,1-Dichloroethene
 Concen: 45.576 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.5	143.4	215.2
98	63.1	50.6	76.0





#13

Acrolein

Concen: 347.811 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 79016

Ion Ratio Lower Upper

56 100

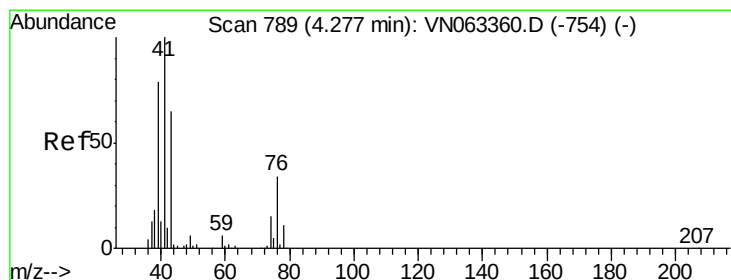
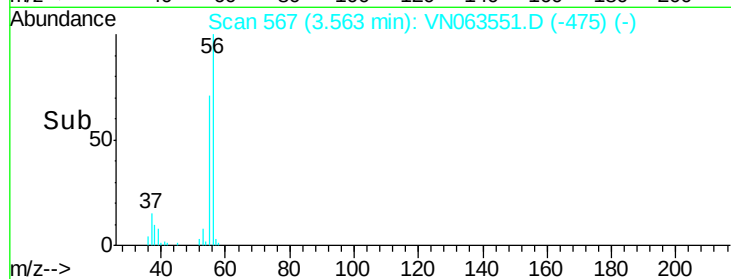
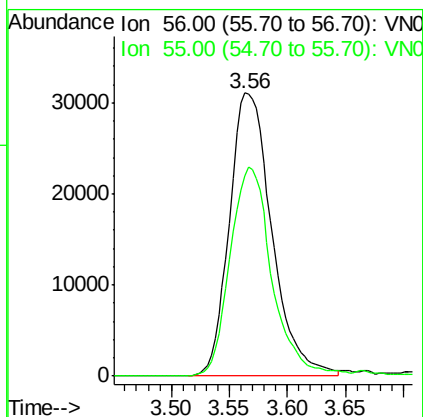
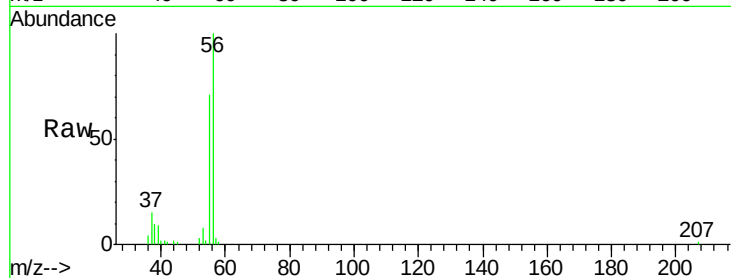
55 72.7 58.2 87.2

Manual Integrations

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#14

Allyl chloride

Concen: 39.478 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

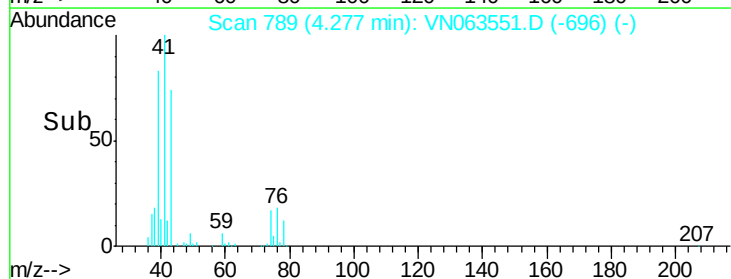
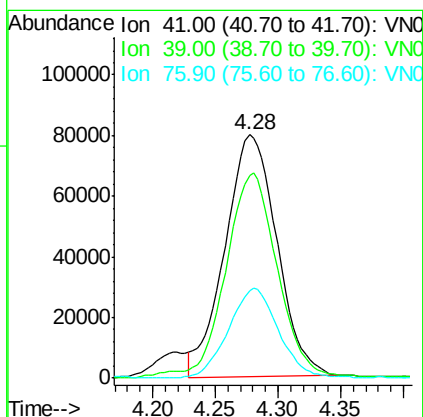
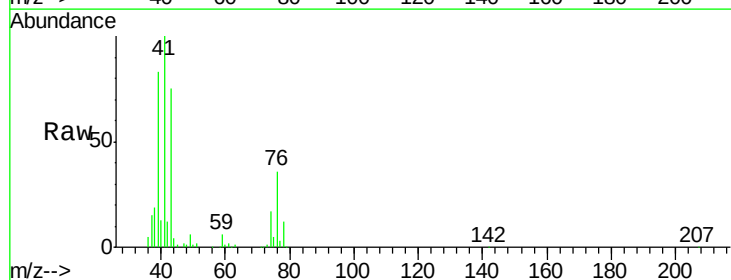
Tgt Ion: 41 Resp: 229076

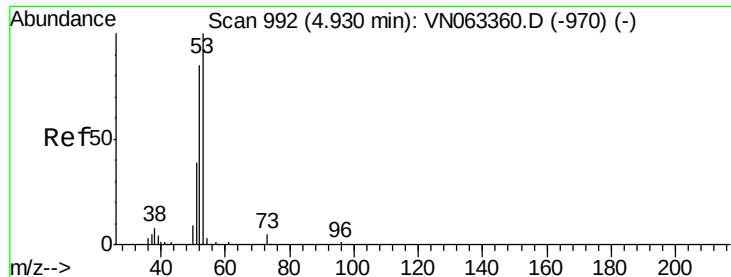
Ion Ratio Lower Upper

41 100

39 85.5 59.3 88.9

76 35.4 25.3 37.9





#15

Acrylonitrile

Concen: 231.315 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

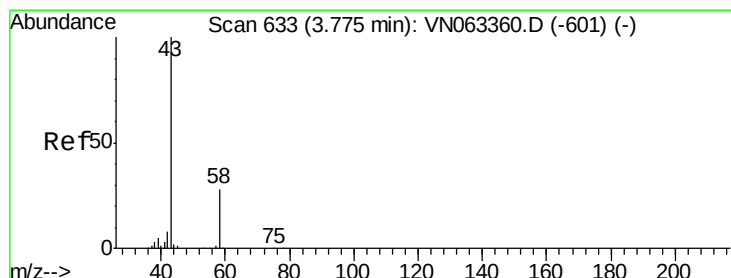
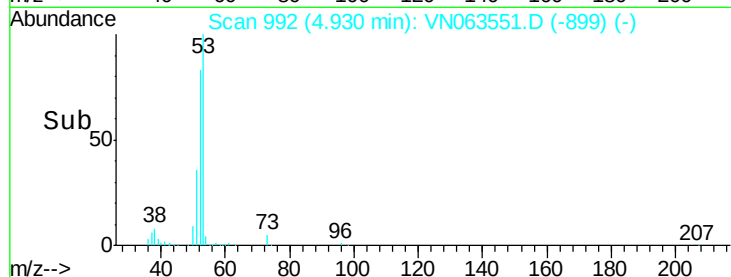
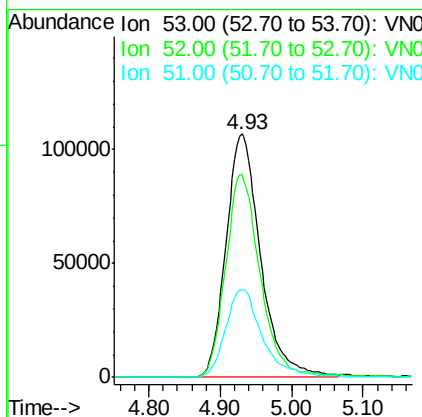
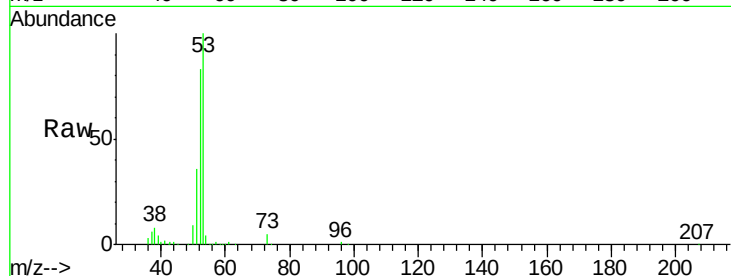
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	360700
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.4	99.6
51	38.4	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 224.843 ug/l

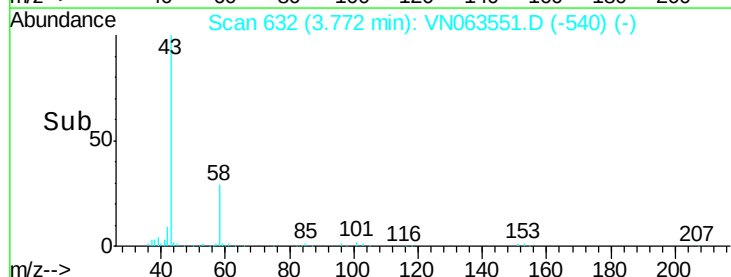
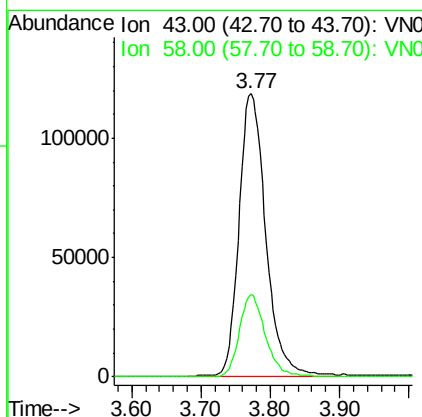
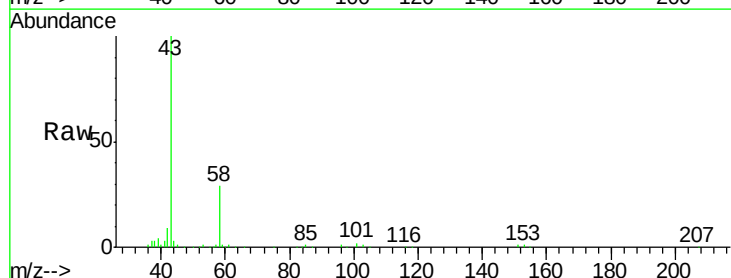
RT: 3.77 min Scan# 632

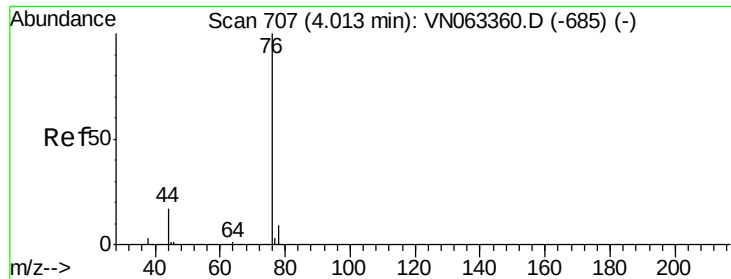
Delta R.T. -0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Tgt Ion:	43	Resp:	319760
Ion	Ratio	Lower	Upper
43	100		
58	29.3	22.3	33.5





#17

Carbon Disulfide

Concen: 41.814 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 356799

Ion Ratio Lower Upper

76 100

78 9.2

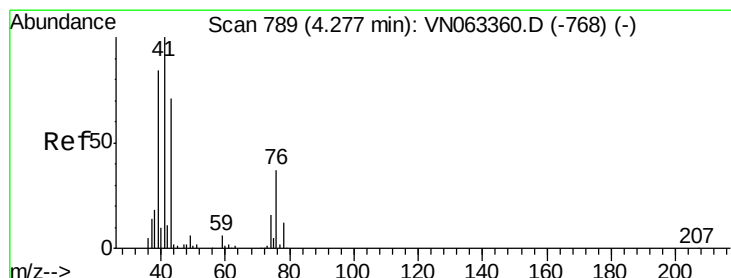
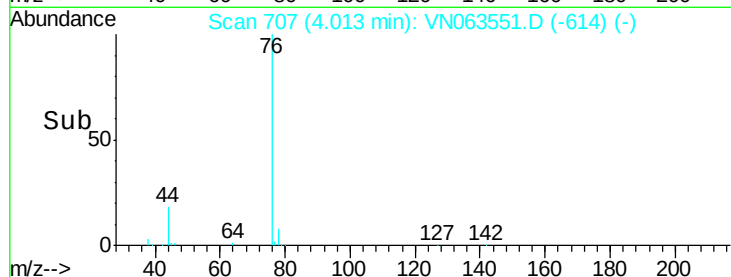
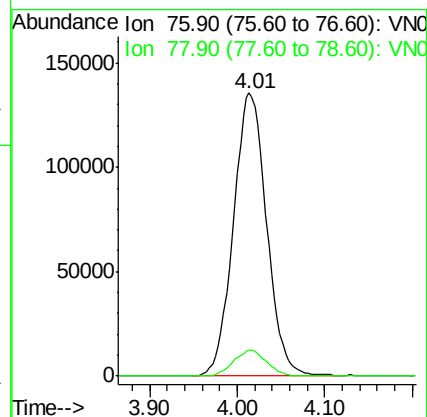
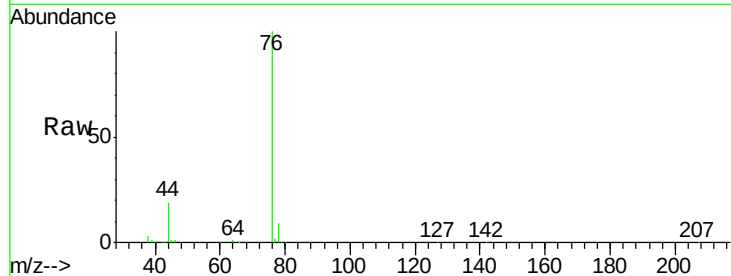
7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 47.955 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

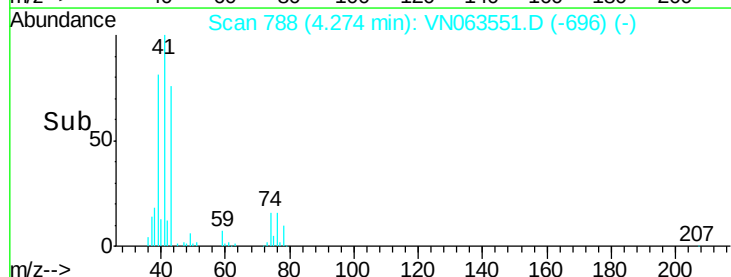
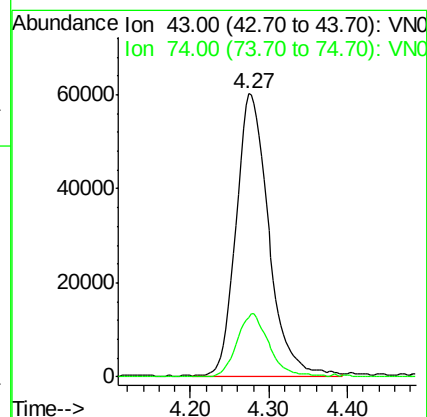
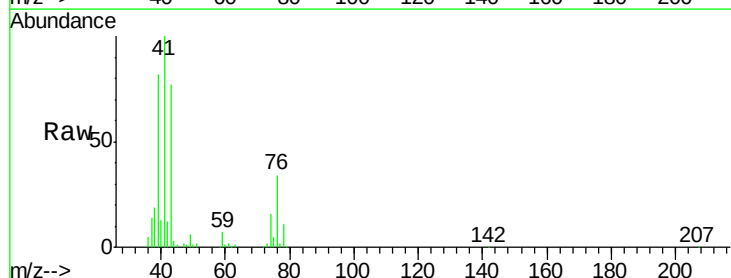
Tgt Ion: 43 Resp: 173133

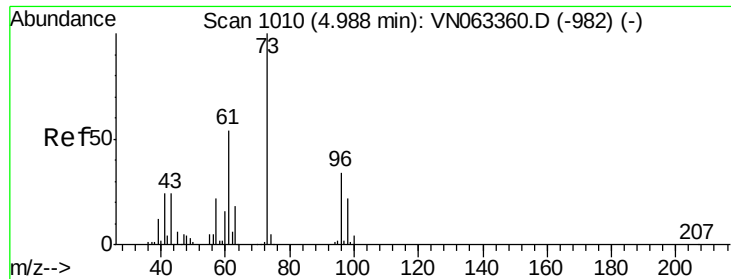
Ion Ratio Lower Upper

43 100

74 22.3

17.4 26.2





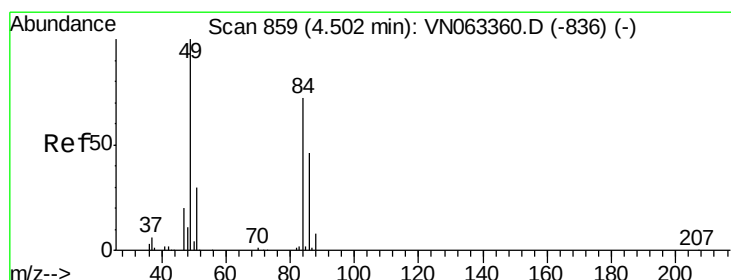
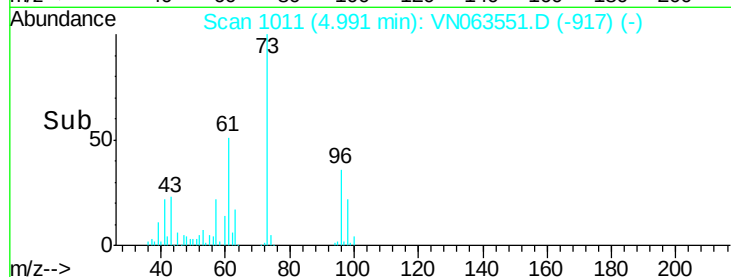
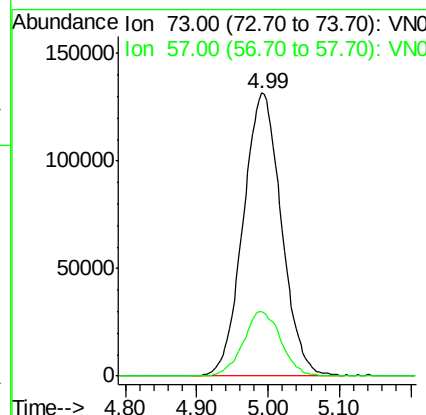
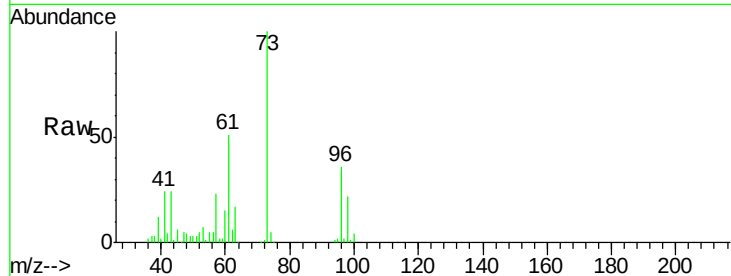
#19
Methyl tert-butyl Ether
Concen: 44.826 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 490099
Ion Ratio Lower Upper
73 100
57 23.0 17.9 26.9

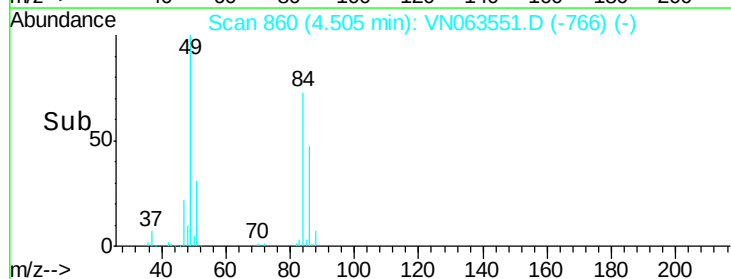
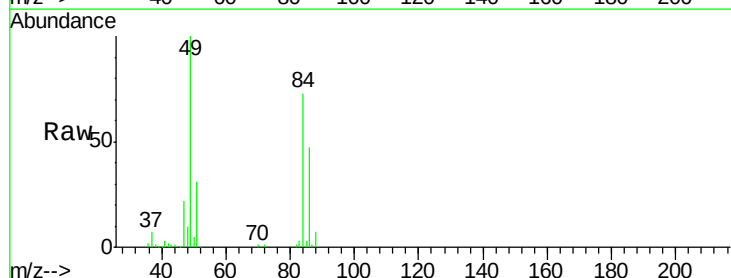
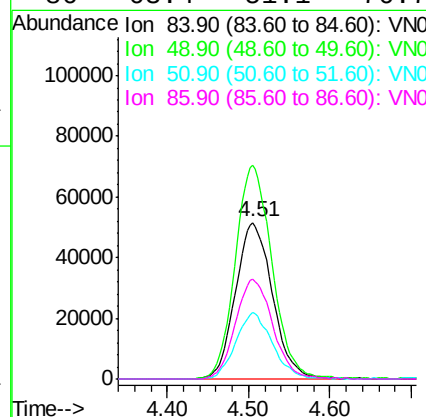
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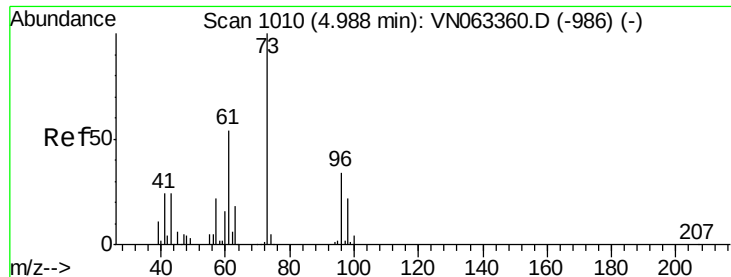
MMDadoda
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#20
Methylene Chloride
Concen: 45.080 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion: 84 Resp: 162431
Ion Ratio Lower Upper
84 100
49 136.4 110.7 166.1
51 42.3 32.9 49.3
86 63.4 51.1 76.7





#21

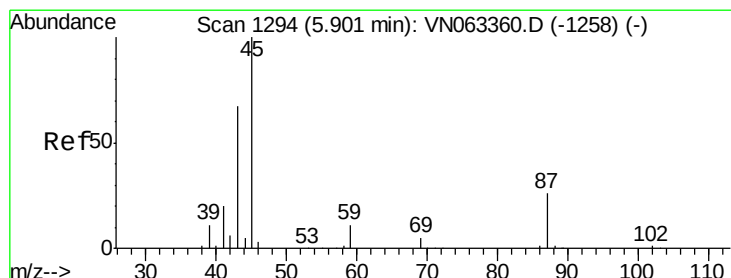
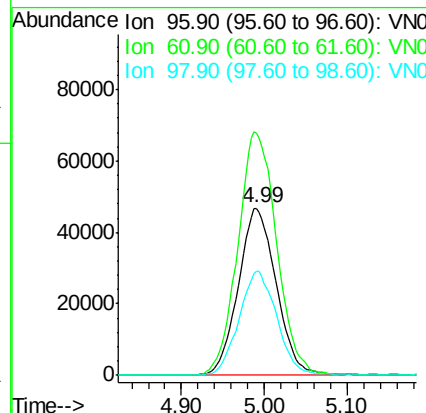
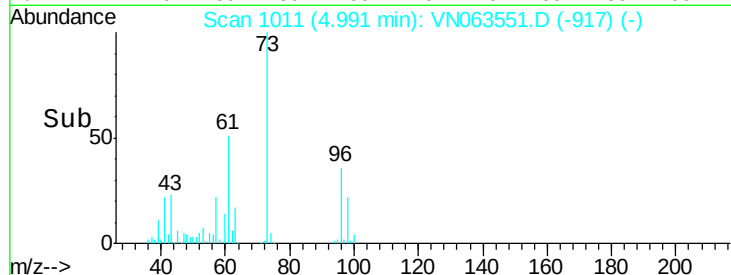
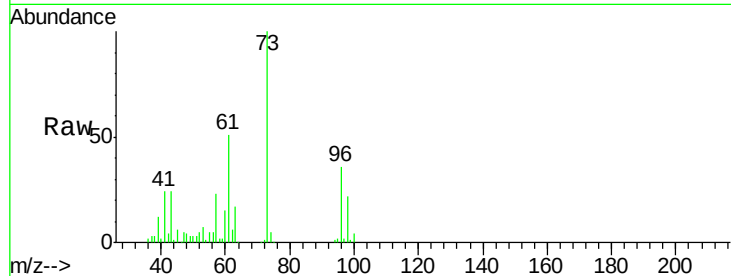
trans-1,2-Dichloroethene
Concen: 45.784 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.9	126.2	189.4
98	62.7	51.0	76.4

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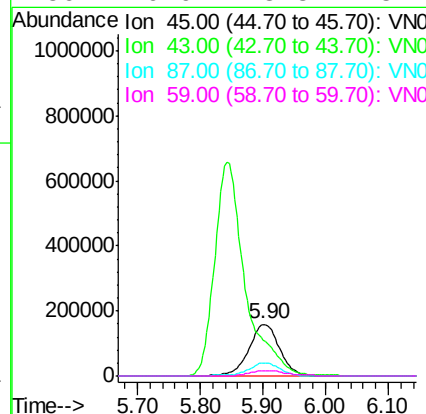
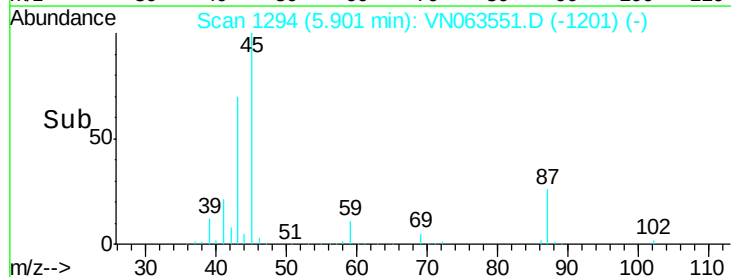
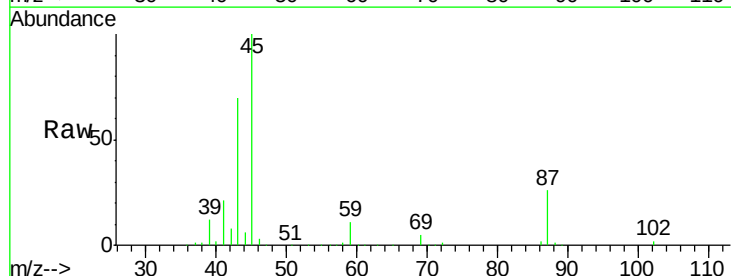
MMDadoda
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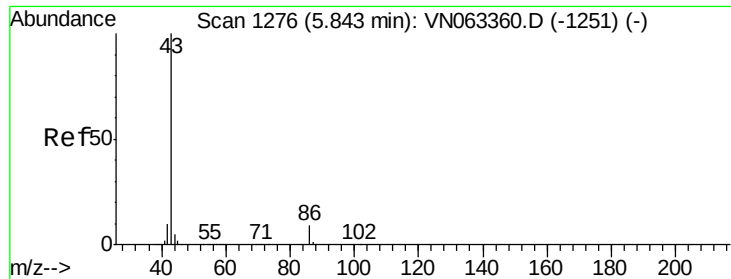


#22

Diisopropyl ether
Concen: 45.809 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.8	53.5	80.3
87	25.7	21.2	31.8
59	10.9	8.8	13.2





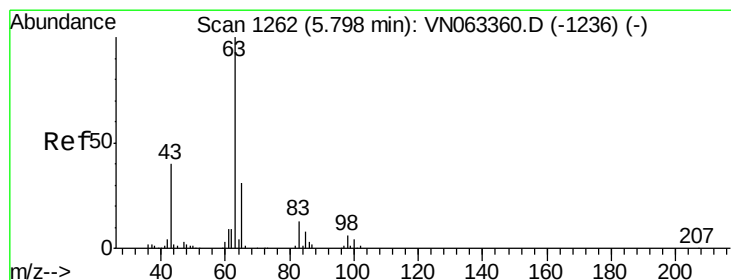
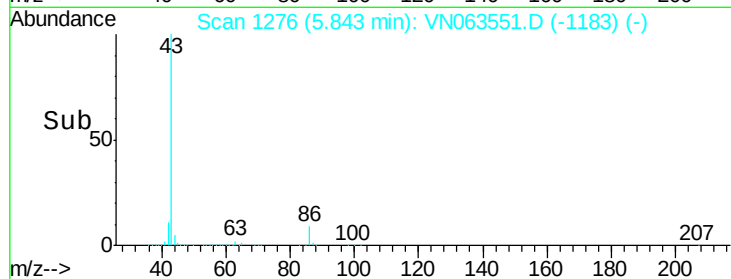
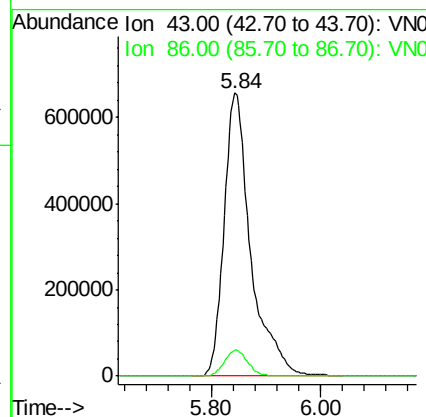
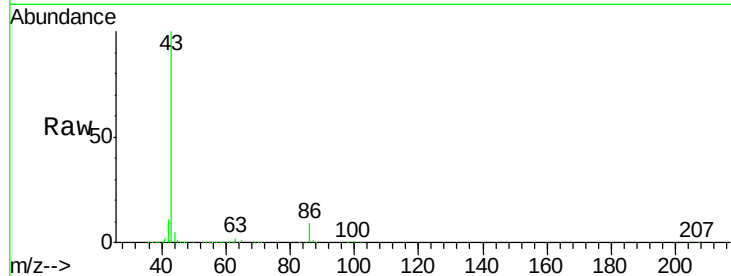
#23
 Vinyl Acetate
 Concen: 229.702 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2232501
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.1 10.7

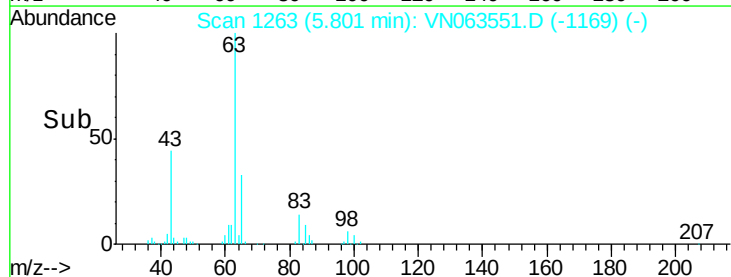
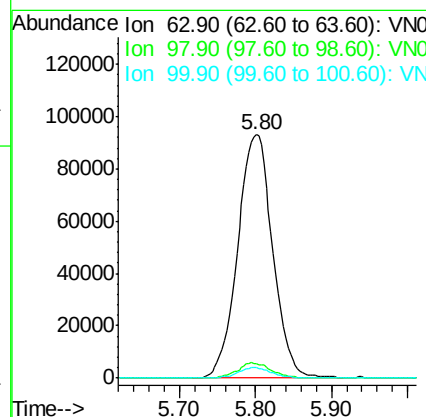
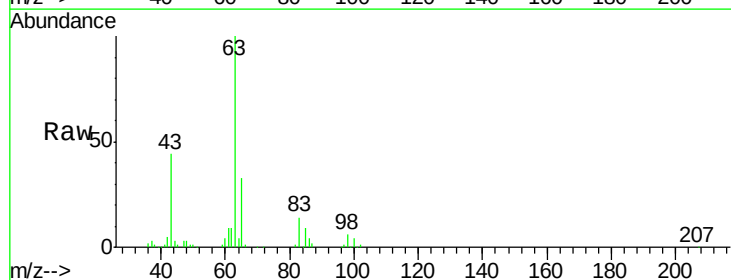
Manual Integrations
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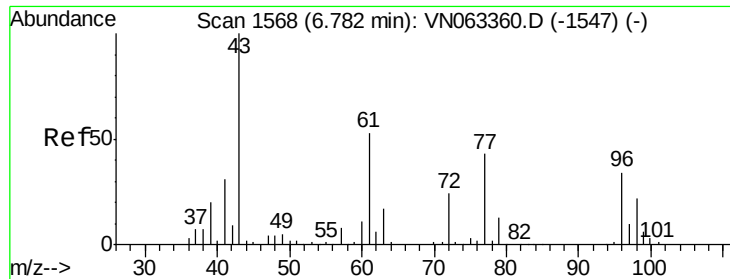
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 46.007 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Tgt Ion: 63 Resp: 297252
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.9 8.8
 100 4.1 2.1 6.3





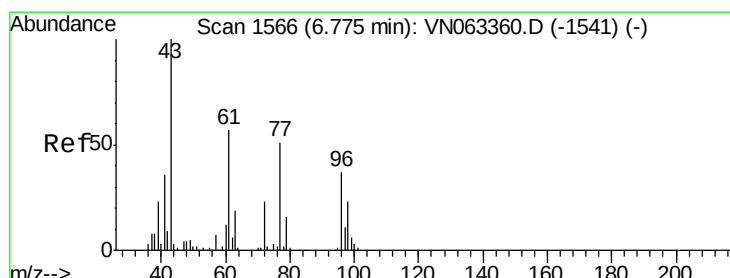
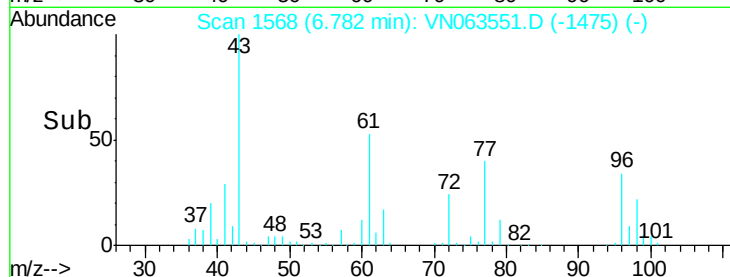
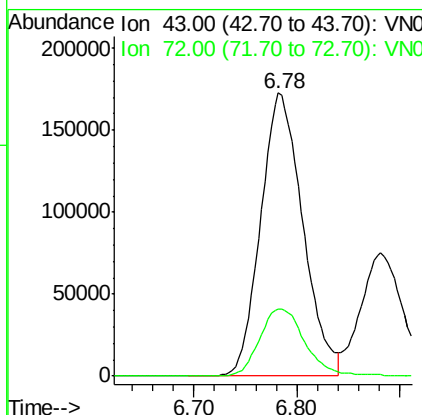
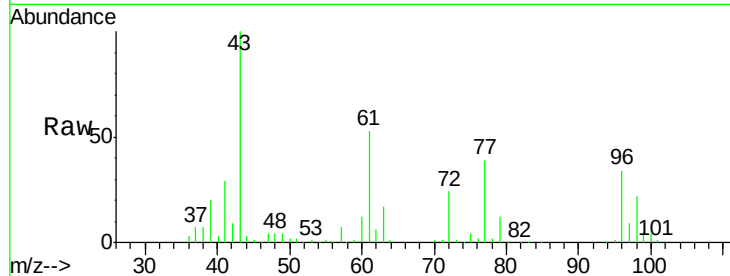
#25
2-Butanone
Concen: 223.296 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 488401
Ion Ratio Lower Upper
43 100
72 23.8 19.2 28.8

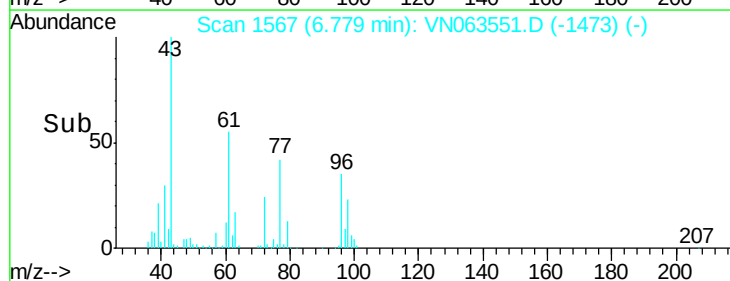
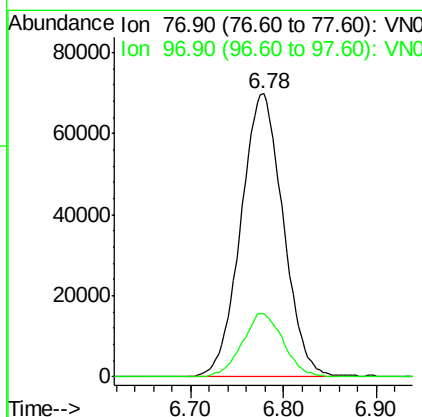
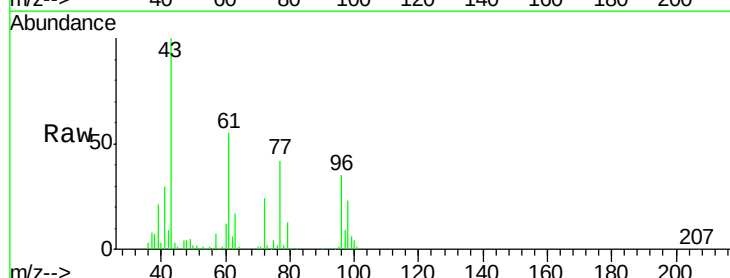
Manual Integrations
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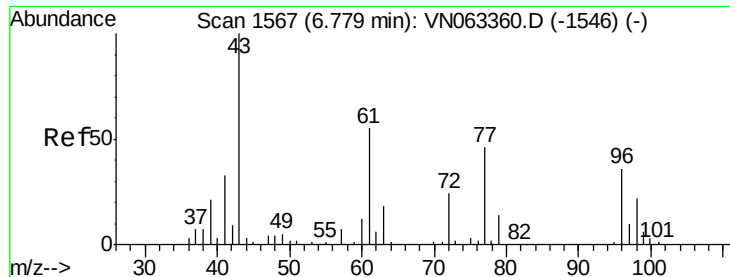
MMDadoda
9/23/2020 1:06:33 PM



#26
2,2-Dichloropropane
Concen: 38.976 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion: 77 Resp: 221716
Ion Ratio Lower Upper
77 100
97 21.8 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 47.397 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

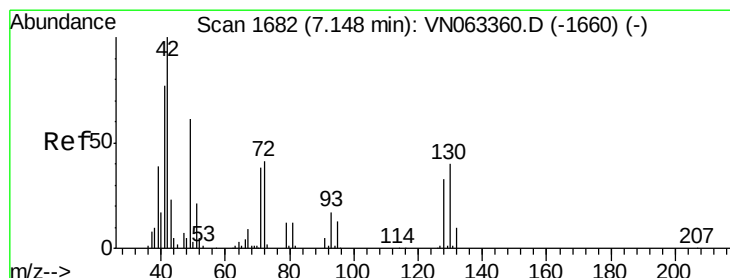
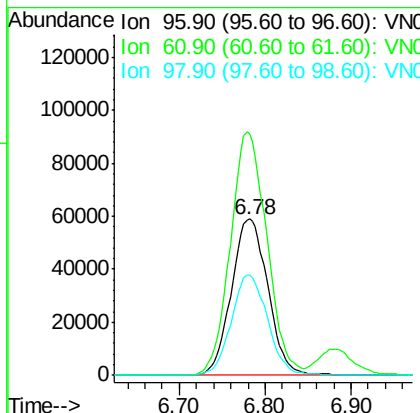
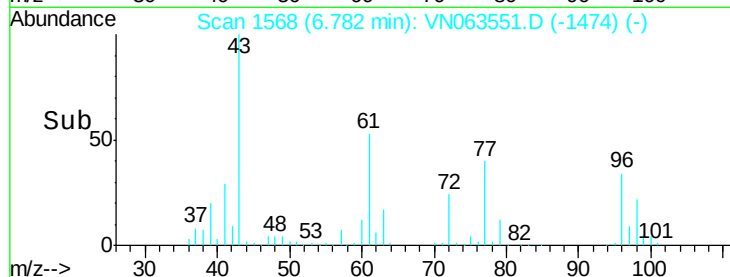
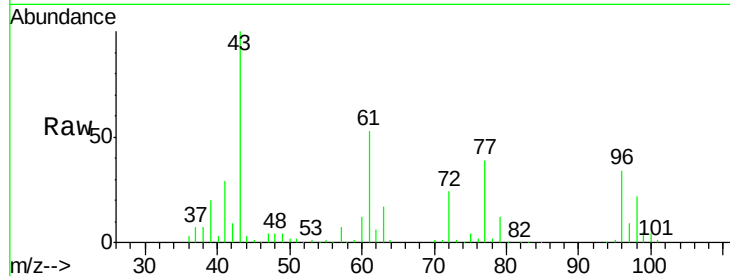
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	174361
Ion Ratio	Lower	Upper	
96	100		
61	154.8	0.0	319.6
98	63.8	0.0	127.8

Manual Integrations
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#28

Bromochloromethane

Concen: 46.177 ug/l

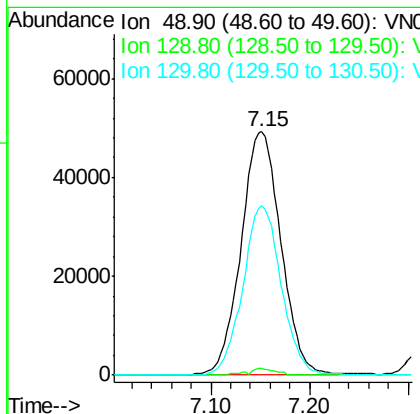
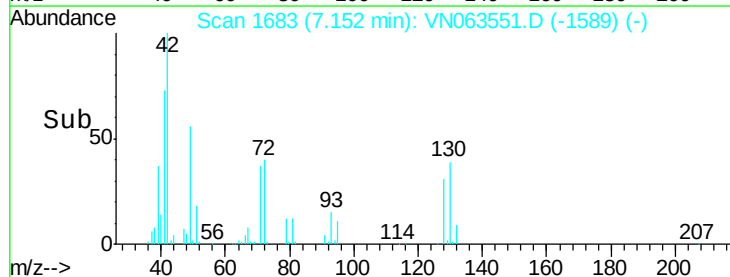
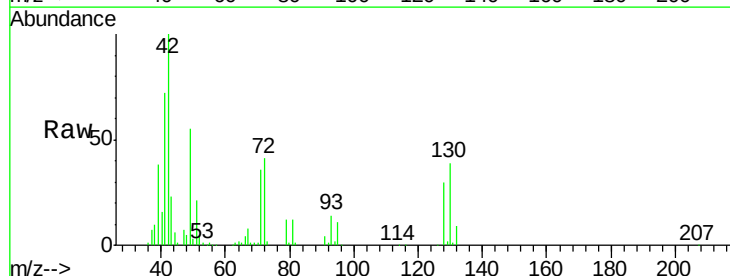
RT: 7.15 min Scan# 1683

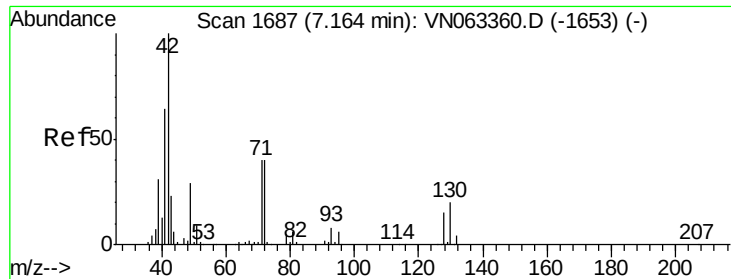
Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Tgt Ion:	49	Resp:	137756
Ion Ratio	Lower	Upper	
49	100		
129	1.5	0.0	3.8
130	66.9	52.2	78.2





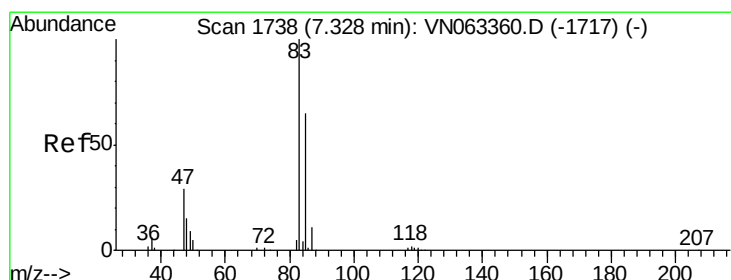
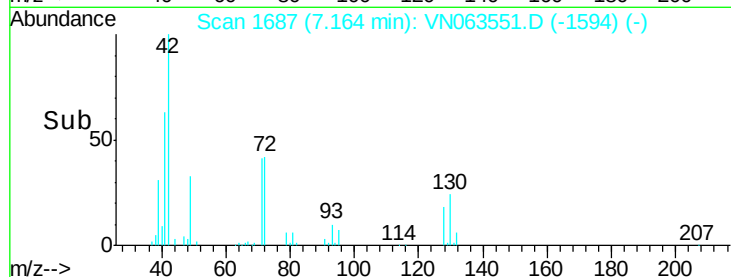
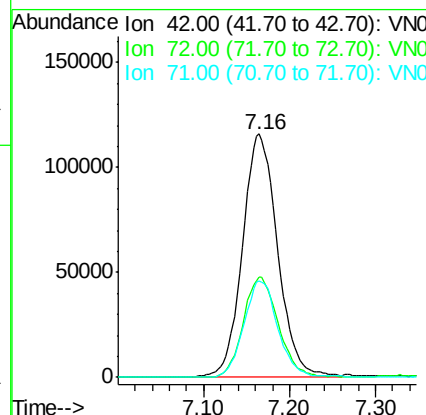
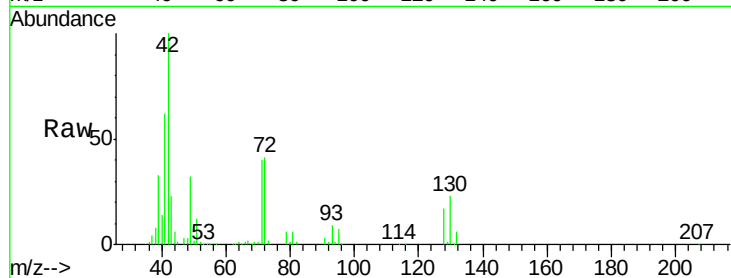
#29
Tetrahydrofuran
Concen: 218.480 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.1	48.1
71	39.0	31.2	46.8

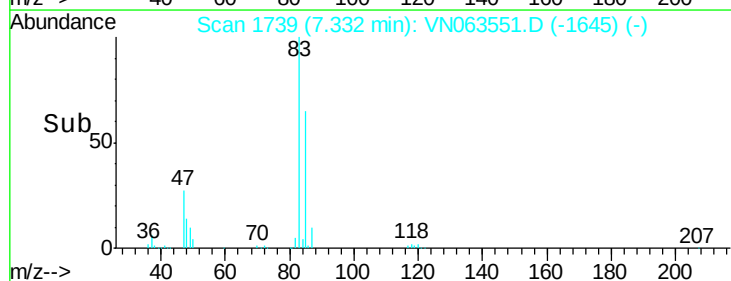
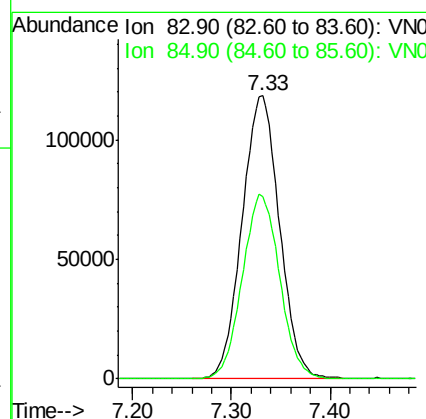
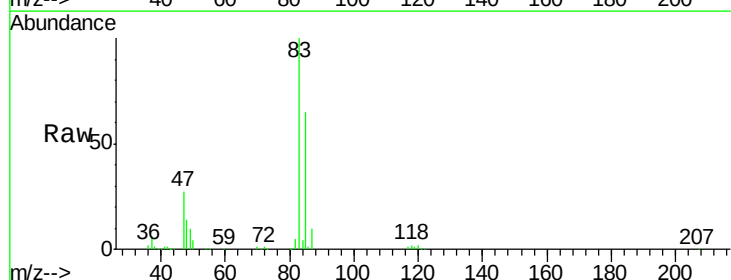
Manual Integrations
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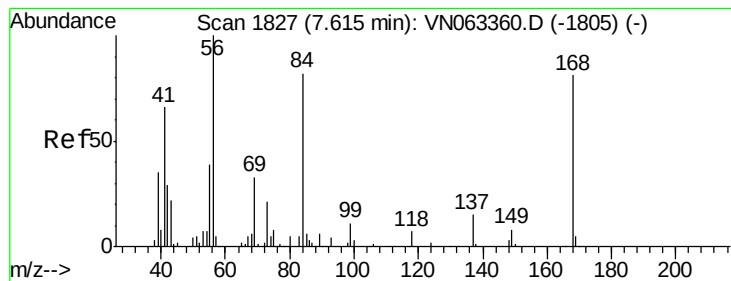
MMDadoda
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#30
Chloroform
Concen: 48.010 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.1	78.1





#31

Cyclohexane

Concen: 40.397 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

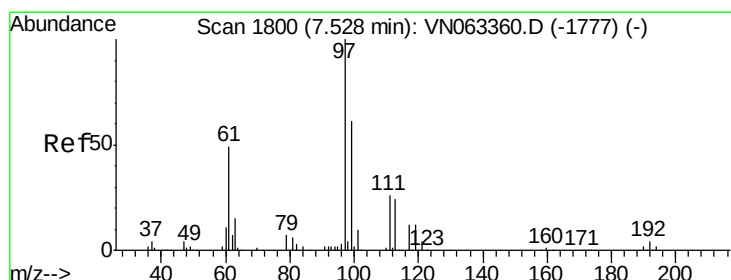
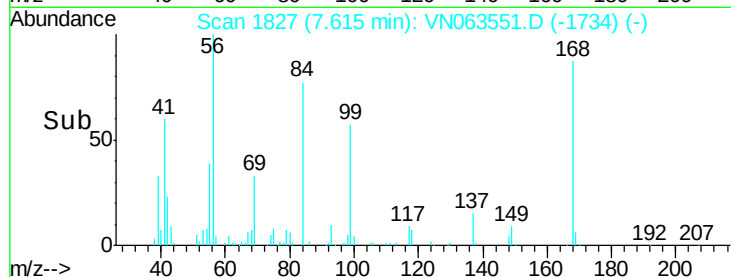
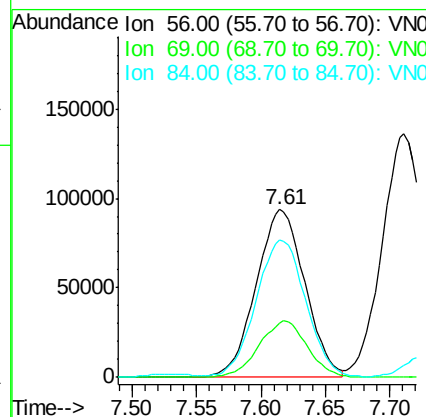
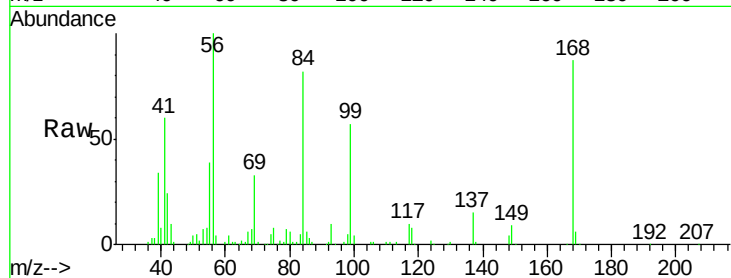
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	246887
Ion Ratio	Lower	Upper	
56	100		
69	32.5	26.1	39.1
84	80.4	65.4	98.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.946 ug/l

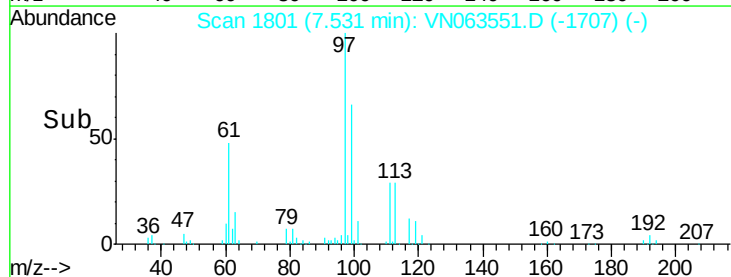
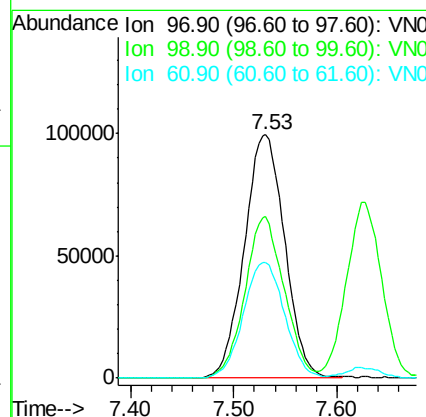
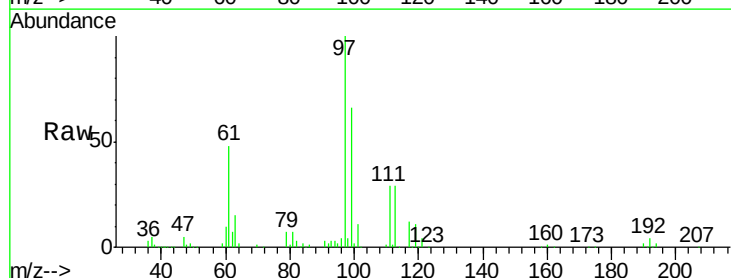
RT: 7.53 min Scan# 1801

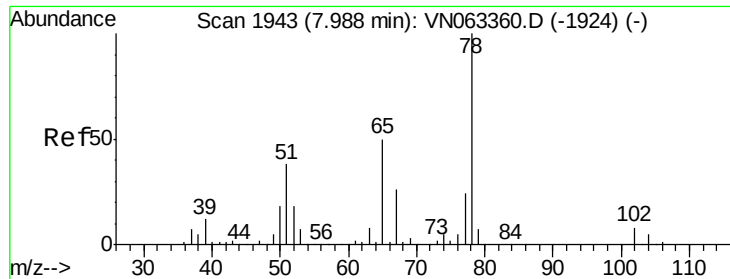
Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Tgt Ion:	97	Resp:	270667
Ion Ratio	Lower	Upper	
97	100		
99	64.3	50.6	76.0
61	48.7	39.2	58.8





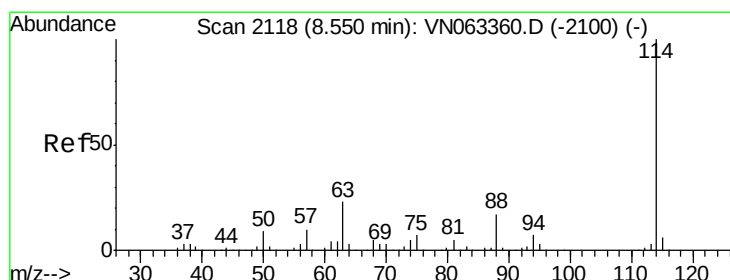
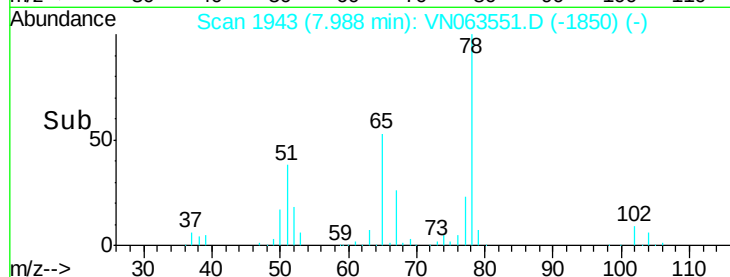
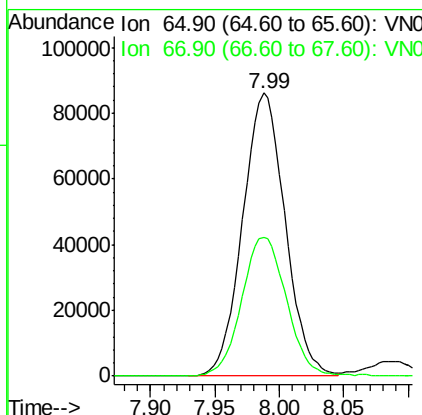
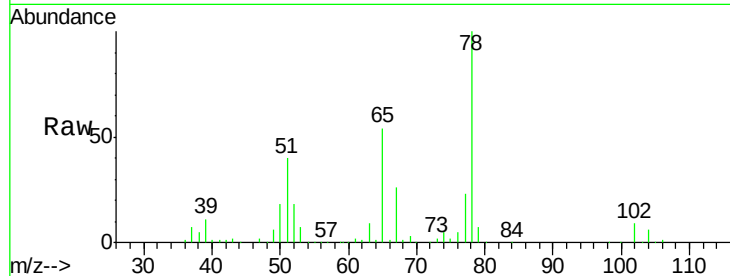
#33
 1,2-Dichloroethane-d4
 Concen: 44.760 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	198069		
67	51.5	0.0	104.2	

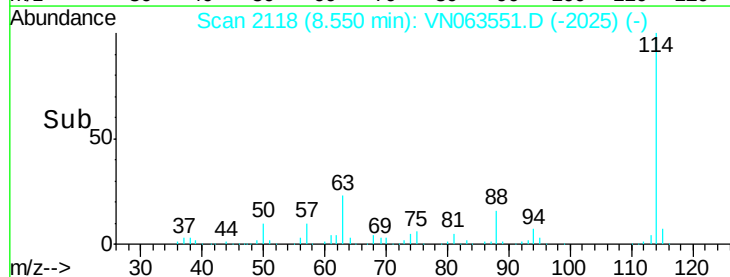
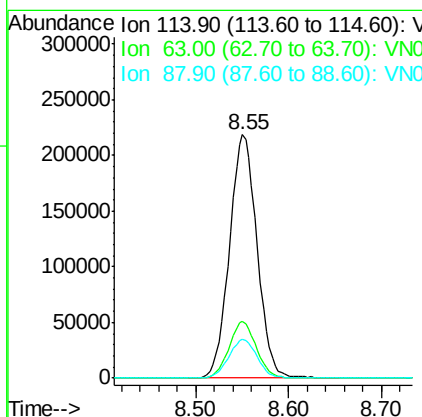
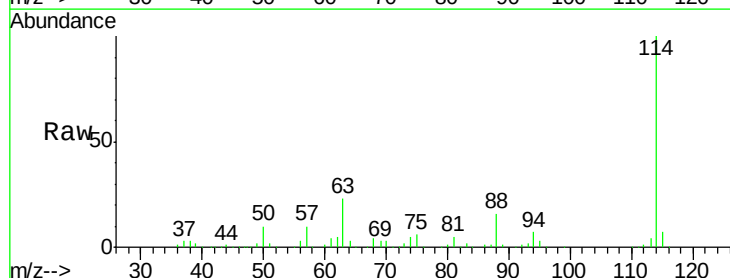
Manual Integrations
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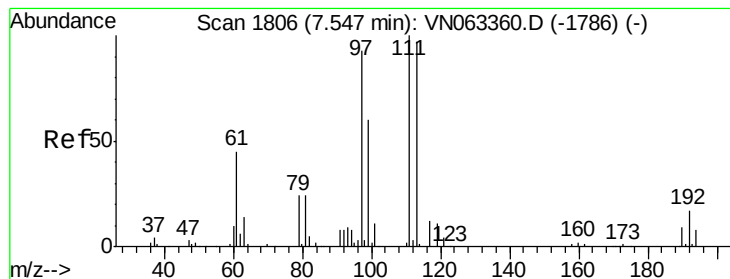
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	450998		
63	23.1	0.0	46.4	
88	15.8	0.0	33.2	





#35

Dibromofluoromethane

Concen: 45.132 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 140909

Ion Ratio Lower Upper

113 100

111 101.9 82.9 124.3

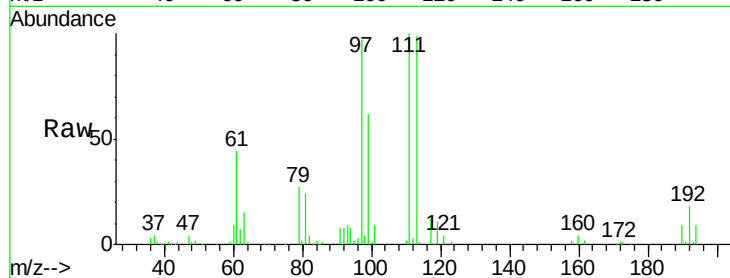
192 17.4 13.9 20.9

Manual Integrations

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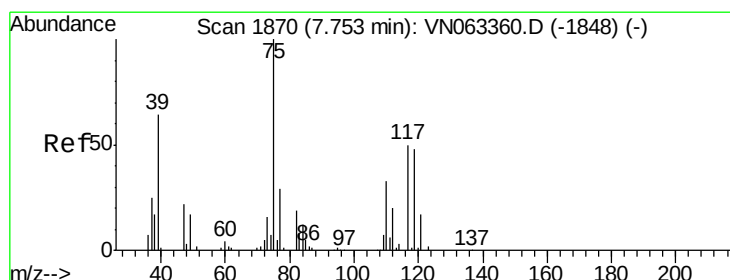
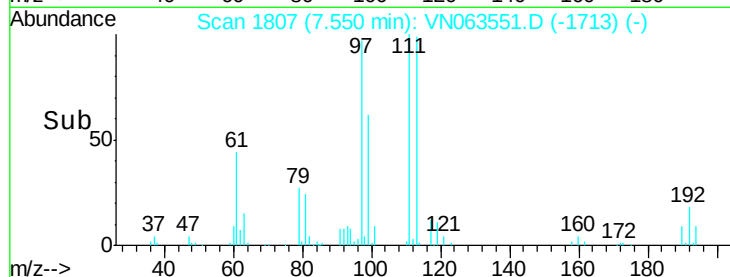
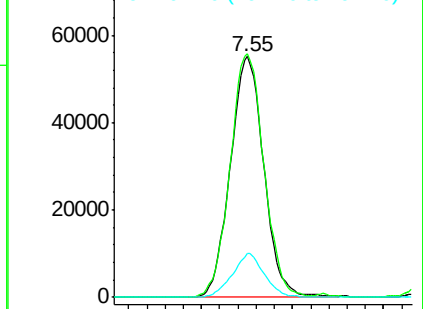
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.421 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

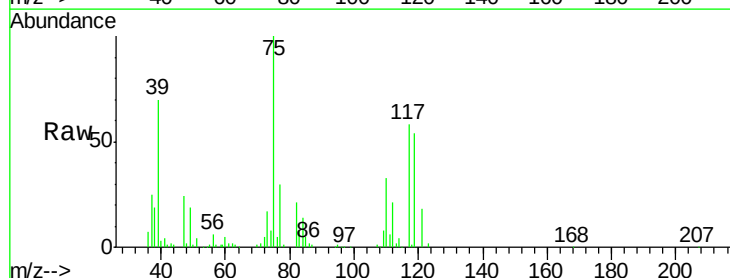
Tgt Ion: 75 Resp: 218237

Ion Ratio Lower Upper

75 100

110 33.7 16.5 49.5

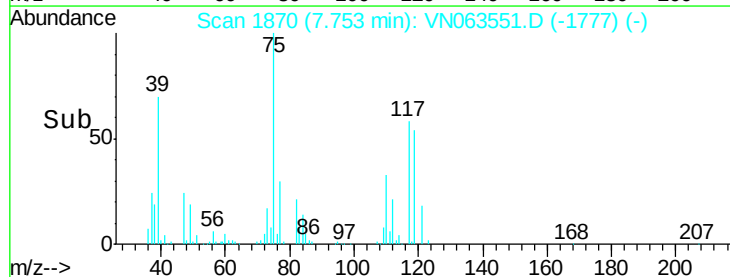
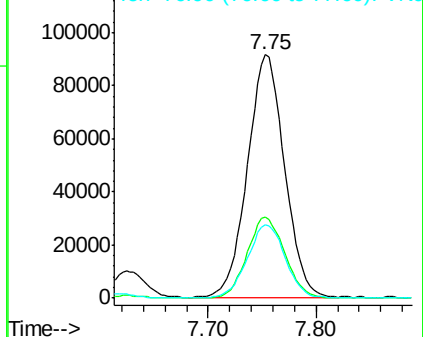
77 31.1 24.6 36.8

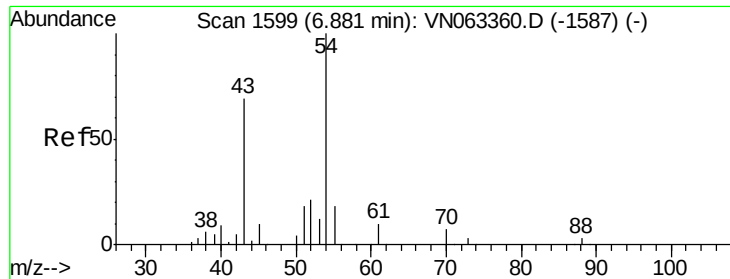


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





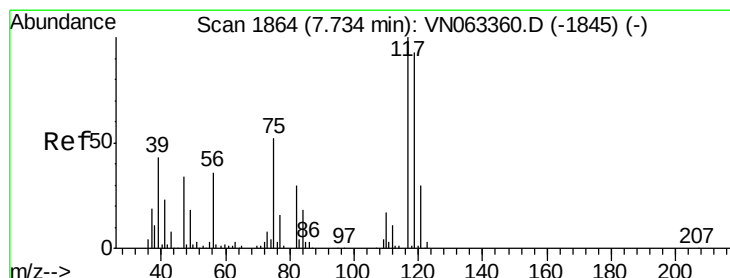
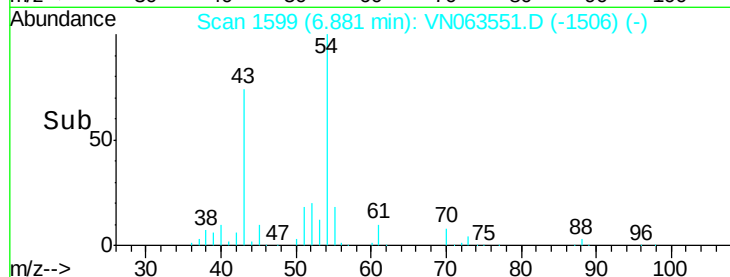
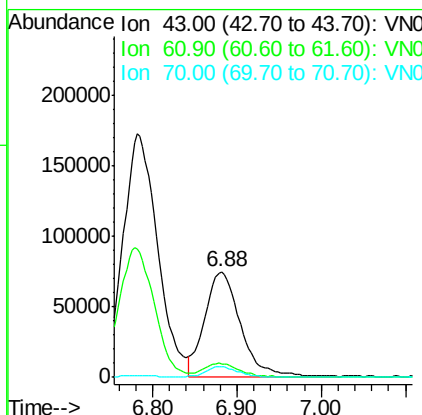
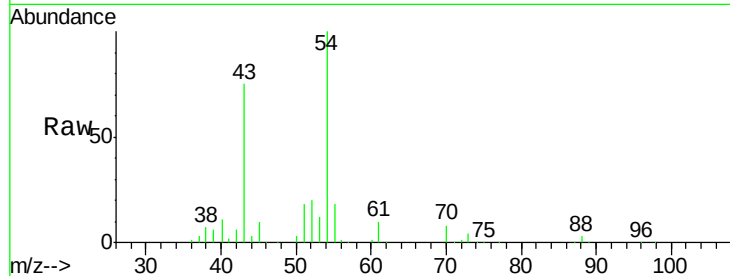
#37
Ethyl Acetate
Concen: 46.258 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.8	10.6	15.8
70	9.5	7.2	10.8

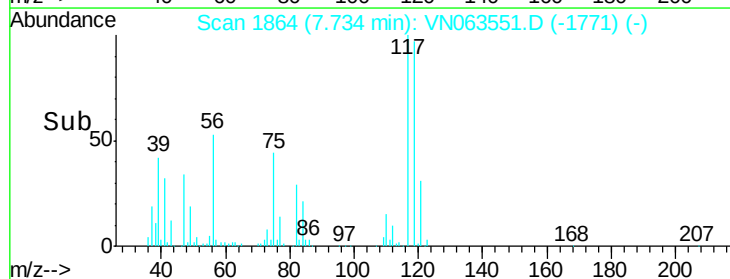
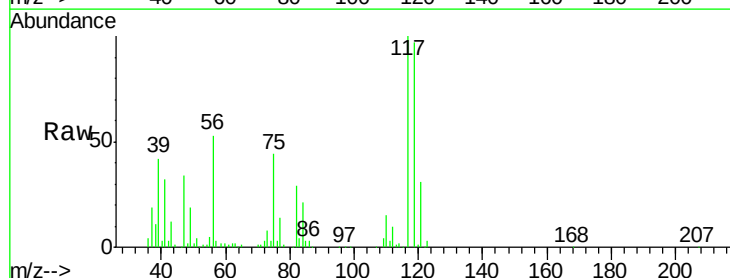
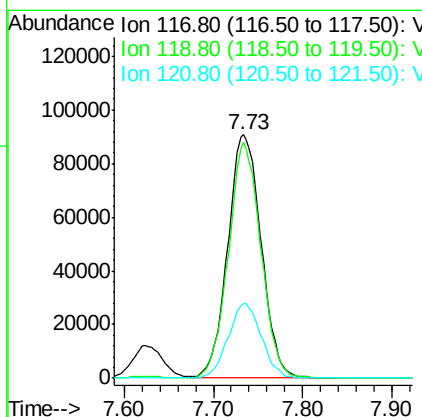
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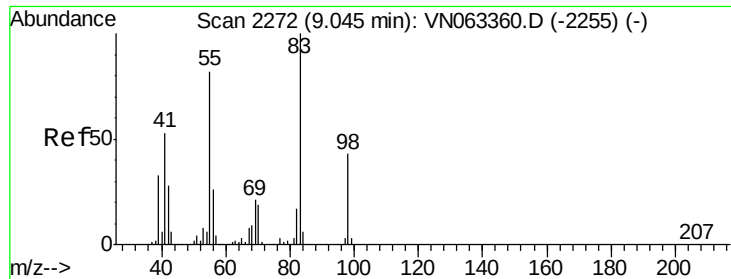
MMDadoda
9/23/2020 1:06:33 PM



#38
Carbon Tetrachloride
Concen: 47.676 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	74.5	111.7
121	30.6	24.1	36.1





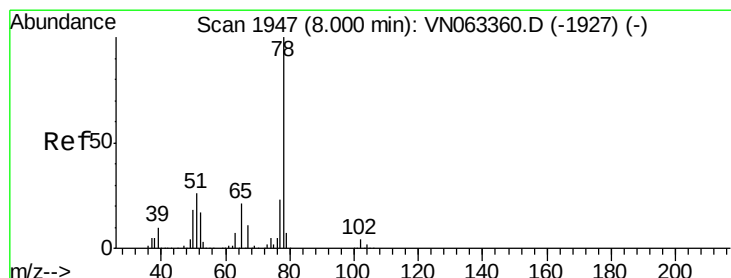
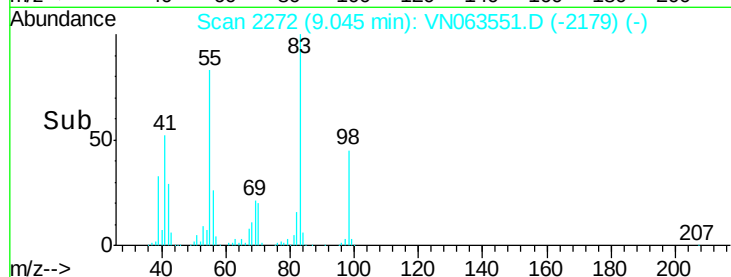
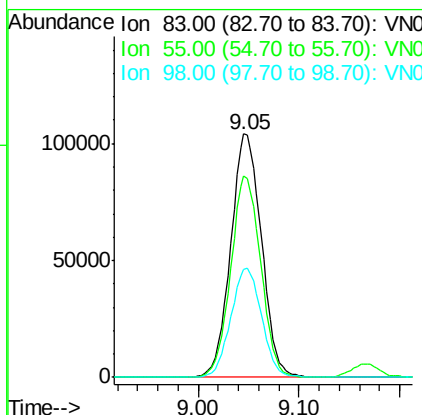
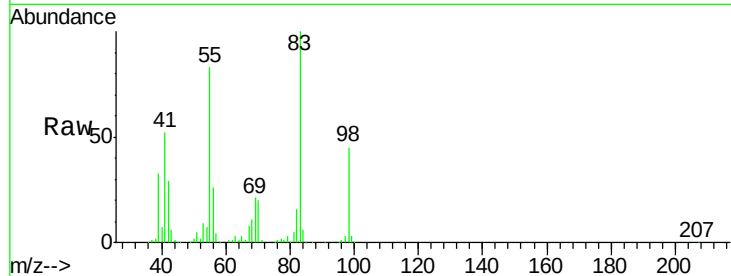
#39
Methylvlcyclohexane
Concen: 42.253 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	220335		
55	82.8		65.5	98.3
98	44.5		34.2	51.4

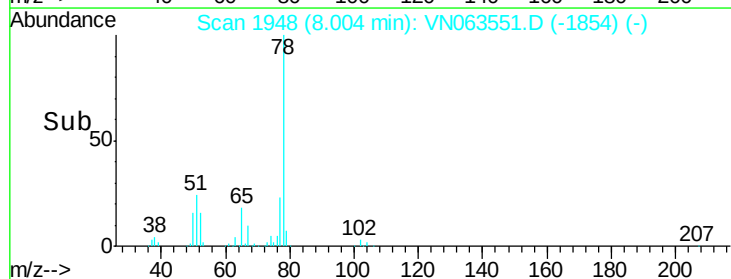
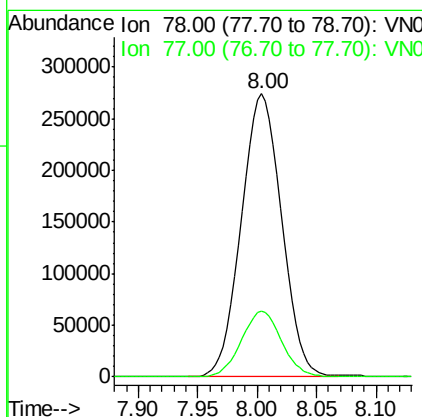
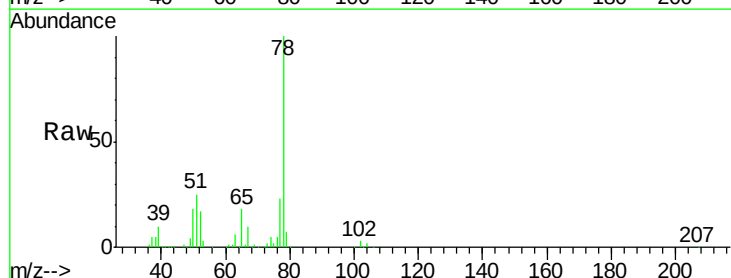
Manual Integrations
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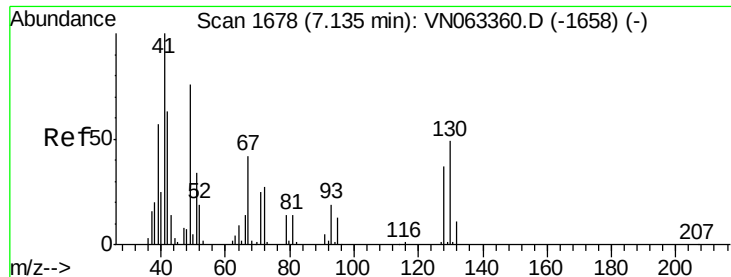
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9/23/2020 1:06:33 PM



#40
Benzene
Concen: 47.061 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	645479		
77	23.4		18.3	27.5





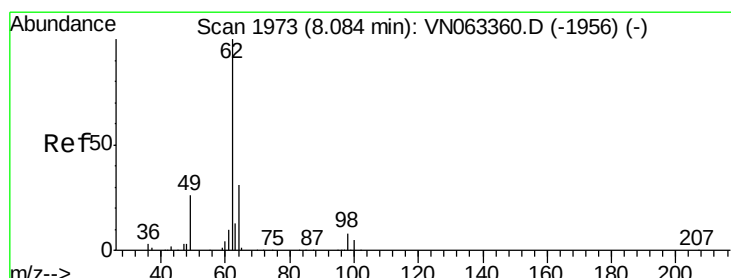
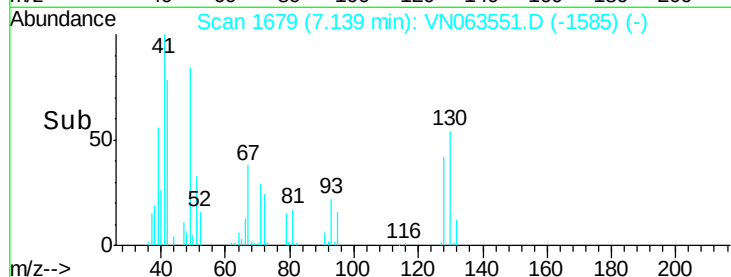
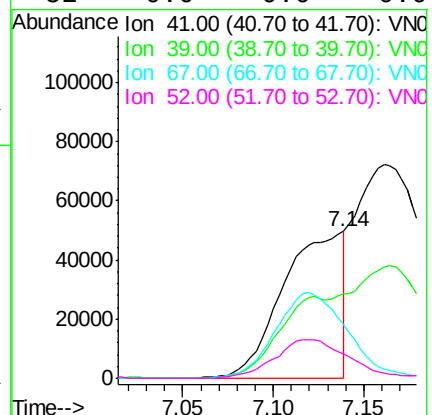
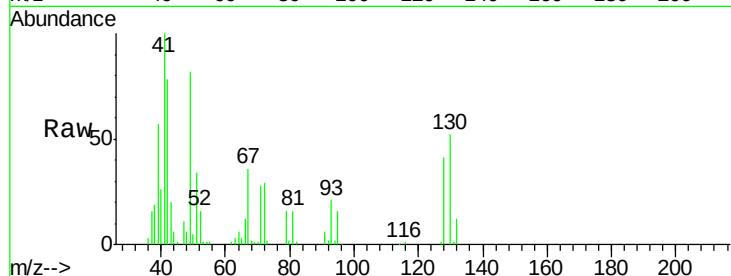
#41
Methacrylonitrile
Concen: 54.099 ug/l m
RT: 7.14 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

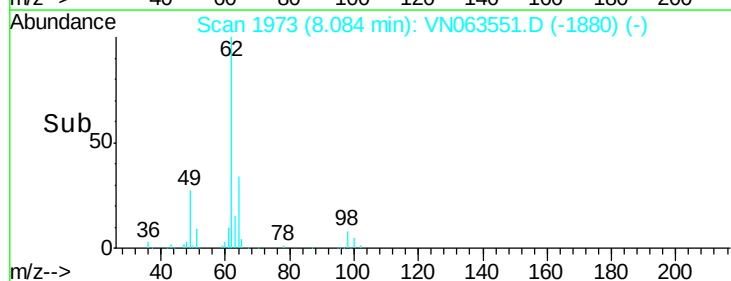
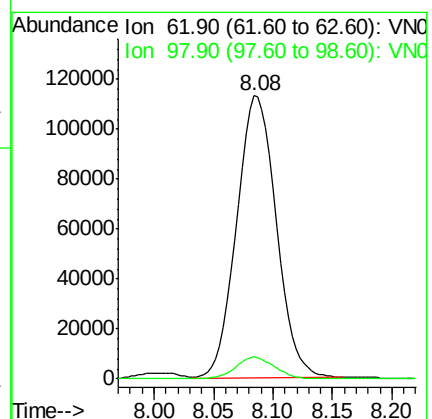
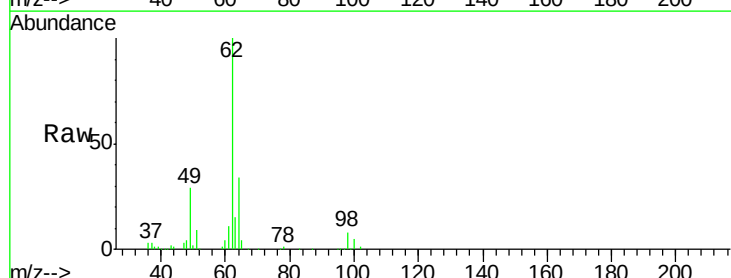
Manual Integrations
APPROVED

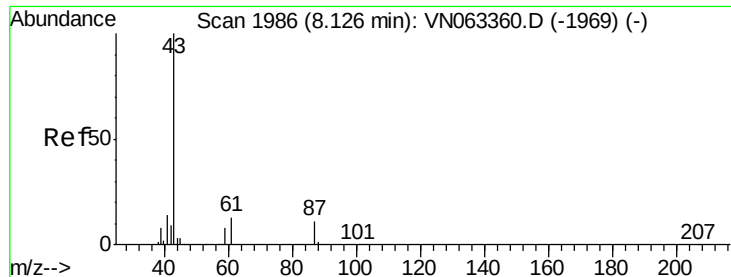
MMDadoda
9/23/2020 1:06:33 PM



#42
1,2-Dichloroethane
Concen: 47.429 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.6





#43

Isopropyl Acetate

Concen: 43.976 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

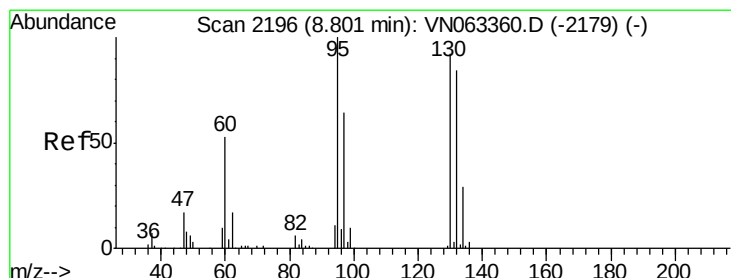
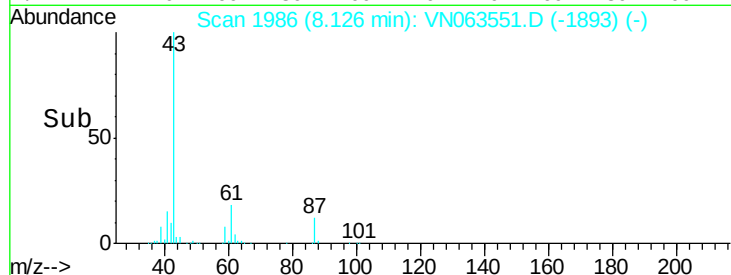
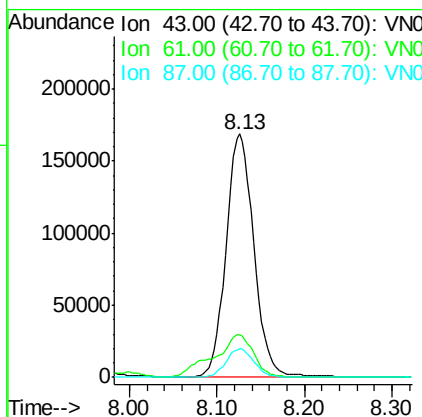
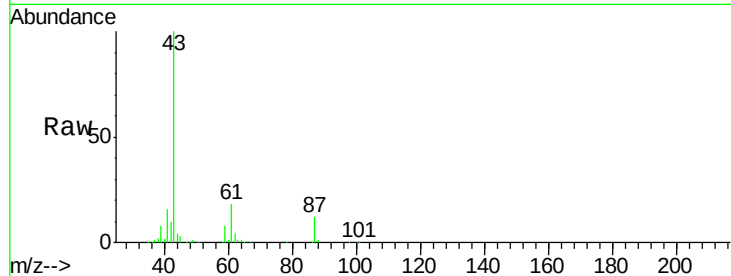
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	370812
Ion Ratio	Lower	Upper	
43	100		
61	25.0	14.2	21.2#
87	11.9	9.0	13.6

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#44

Trichloroethene

Concen: 47.483 ug/l

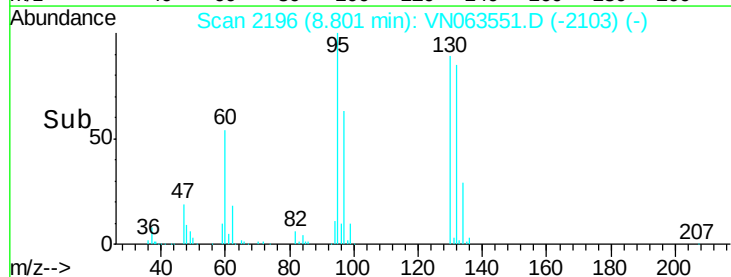
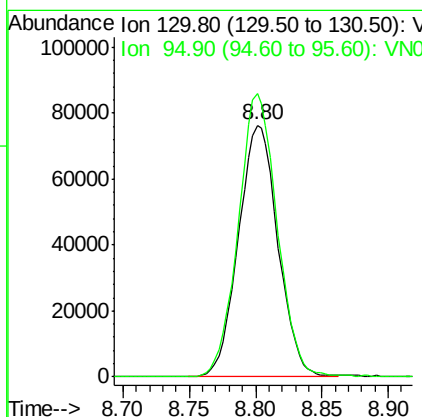
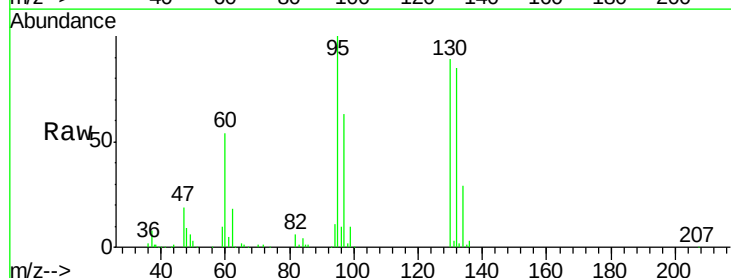
RT: 8.80 min Scan# 2196

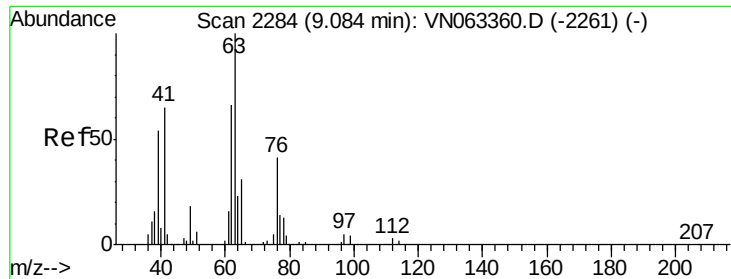
Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Tgt Ion:	130	Resp:	157963
Ion Ratio	Lower	Upper	
130	100		
95	112.4	0.0	217.4





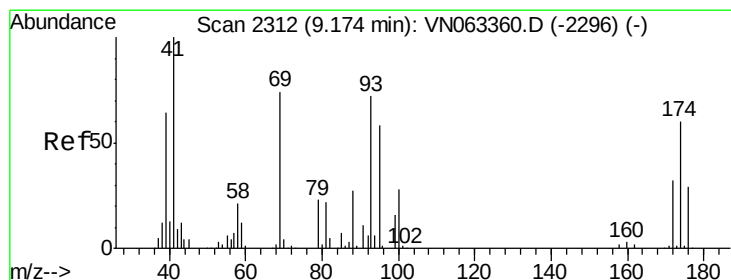
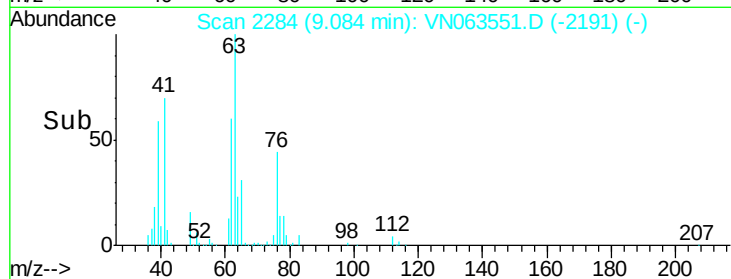
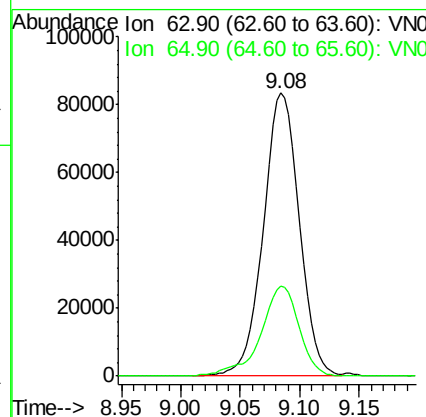
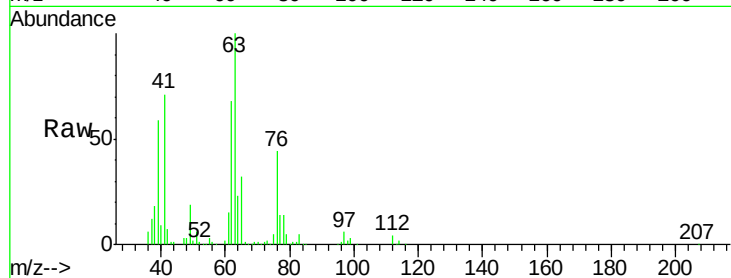
#45
 1,2-Dichloropropane
 Concen: 46.826 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.0	37.6

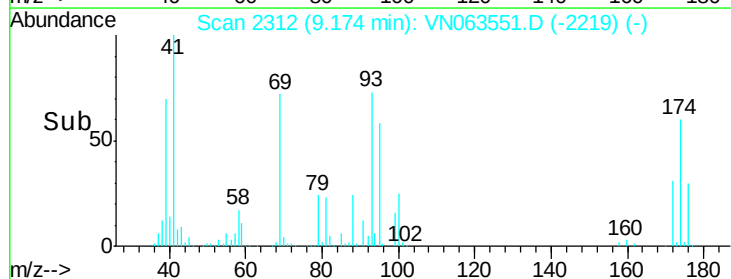
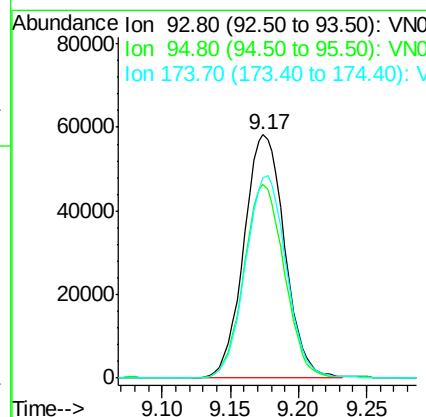
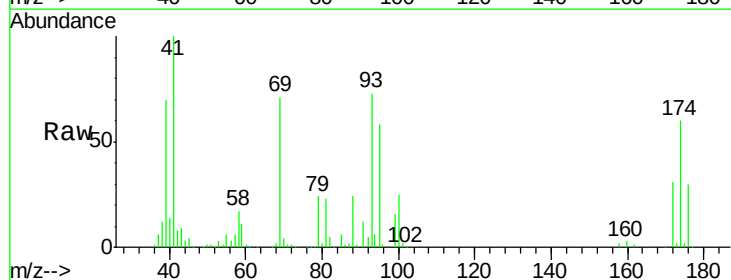
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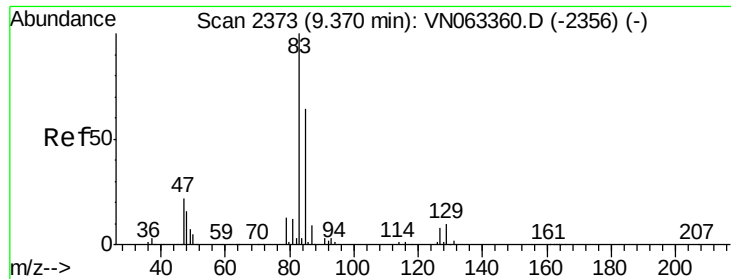
MMDadoda
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#46
 Dibromomethane
 Concen: 49.194 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.2	65.6	98.4
174	83.3	68.1	102.1





#47

Bromodichloromethane

Concen: 49.179 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

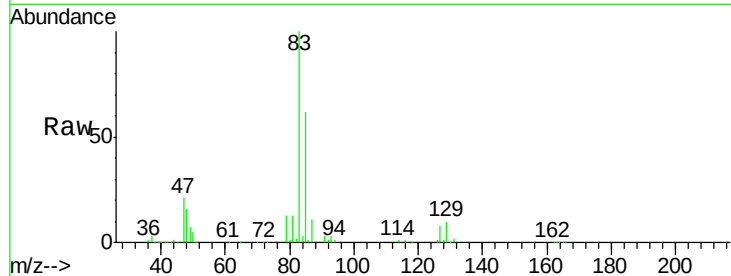
ClientSampleId :

VSTDCCC050EC

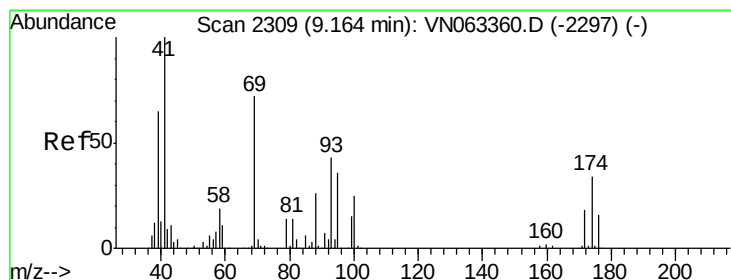
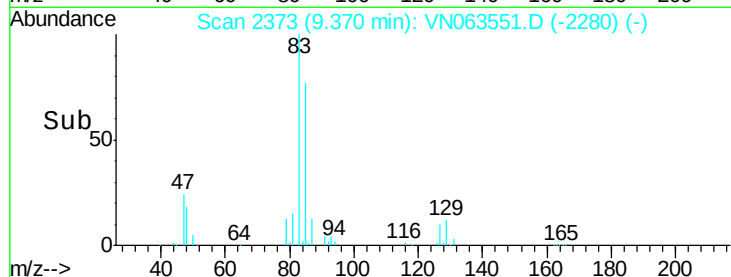
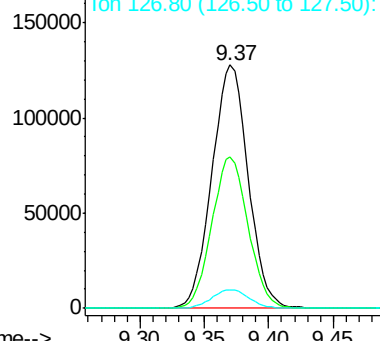
Tot Ion:	83	Resp:	250845
Ion Ratio	Lower	Upper	
83	100		
85	62.5	51.0	76.6
127	7.7	6.3	9.5

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Abundance Ion 82.90 (82.60 to 83.60): VN063360.D (-2356) (-)



#48

Methyl methacrylate

Concen: 44.215 ug/l

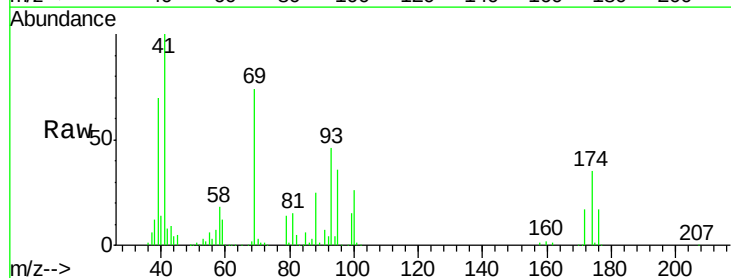
RT: 9.16 min Scan# 2309

Delta R.T. 0.00 min

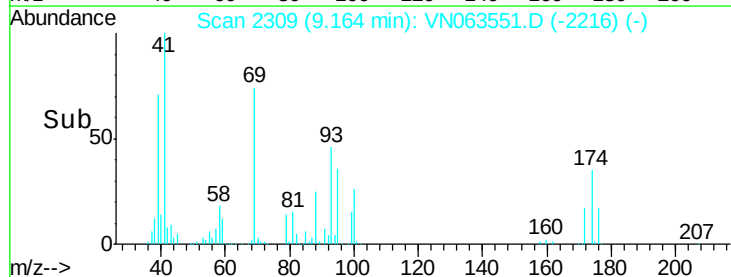
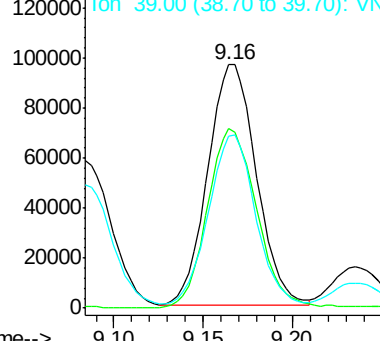
Lab File: VN063551.D

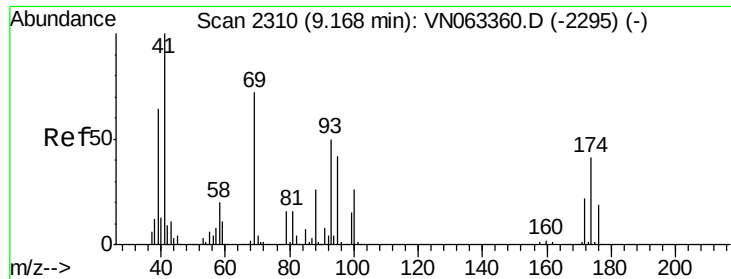
Acq: 22 Sep 2020 22:30

Tgt Ion:	41	Resp:	183171
Ion Ratio	Lower	Upper	
41	100		
69	75.3	59.3	88.9
39	70.5	52.9	79.3



Abundance Ion 41.00 (40.70 to 41.70): VN063360.D (-2297) (-)





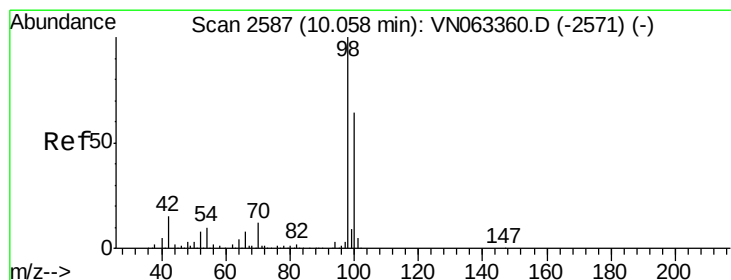
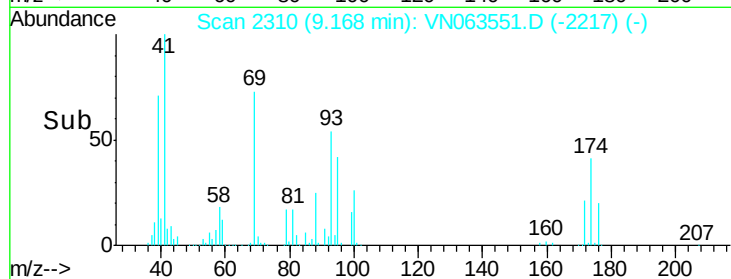
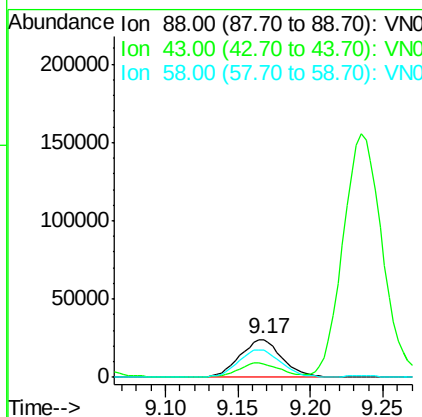
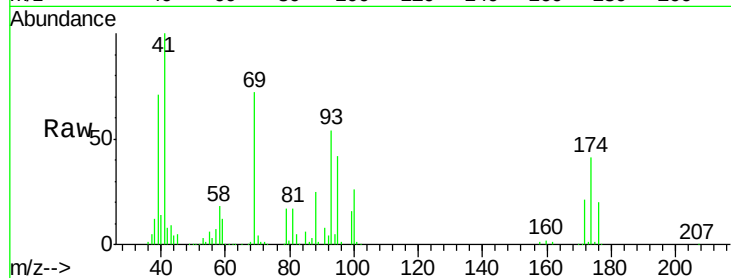
#49
1,4-Dioxane
Concen: 825.524 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	49078
Ion Ratio	Lower	Upper	
88	100		
43	37.0	32.6	49.0
58	73.6	60.0	90.0

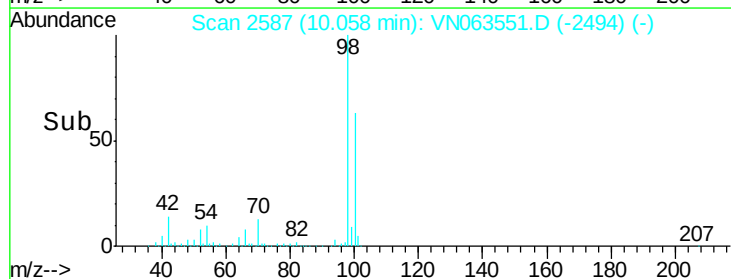
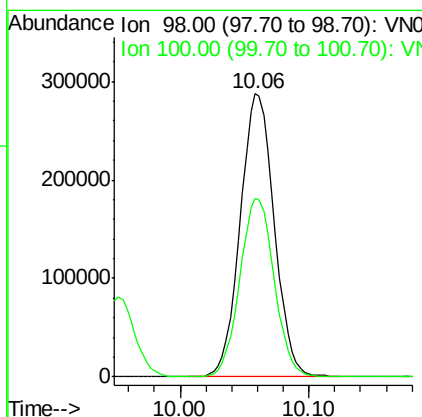
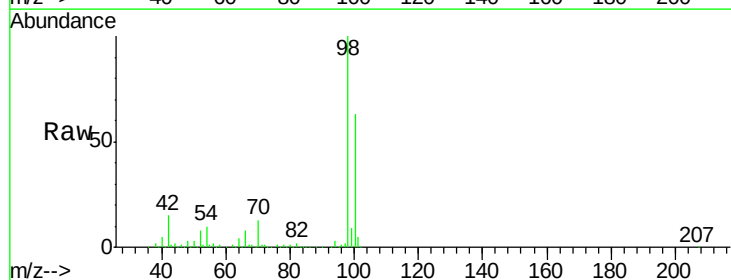
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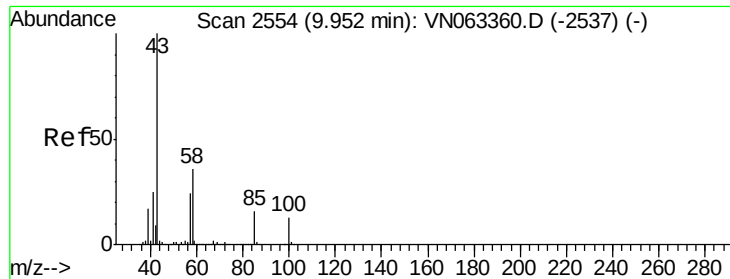
MMDadoda
9/23/2020 1:06:33 PM



#50
Toluene-d8
Concen: 44.956 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion	98	Resp	527782
Ion Ratio	Lower	Upper	
98	100		
100	63.3	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 233.659 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1103003

Ion Ratio Lower Upper

43 100

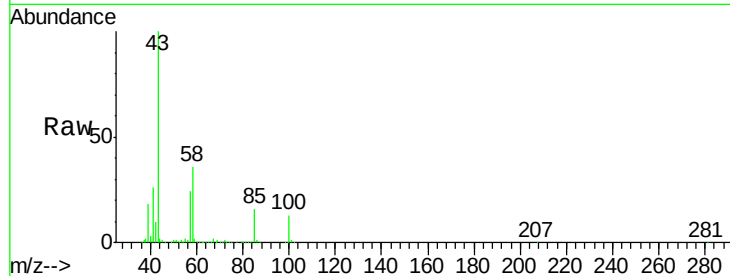
58 35.8 29.0 43.6

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Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN063360.D (-2537) (-)

9.95

600000

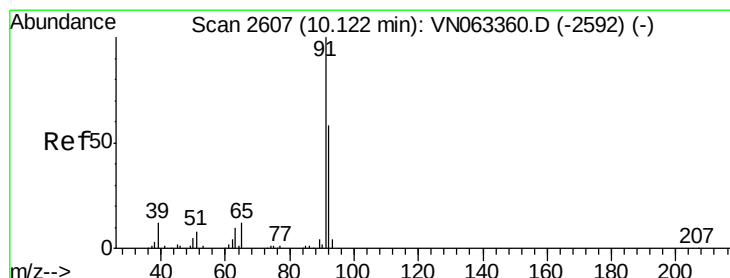
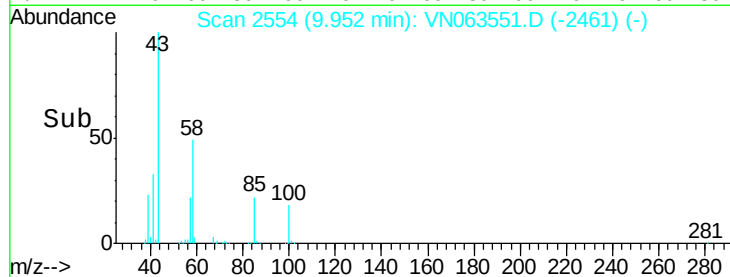
400000

200000

0

9.90 10.00

Time-->



#52

Toluene

Concen: 48.620 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063551.D

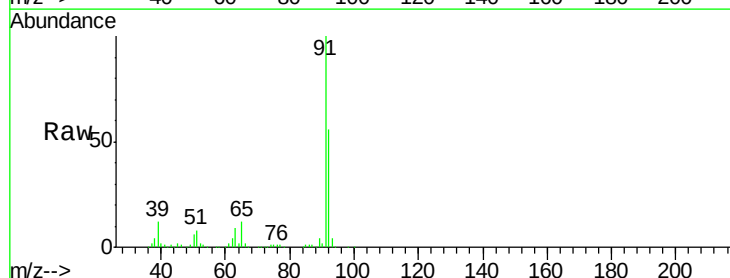
Acq: 22 Sep 2020 22:30

Tgt Ion: 92 Resp: 400936

Ion Ratio Lower Upper

92 100

91 177.4 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN063360.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN063360.D (-2592) (-)

10.13

400000

300000

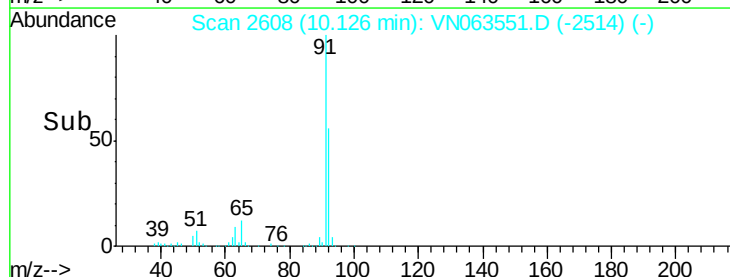
200000

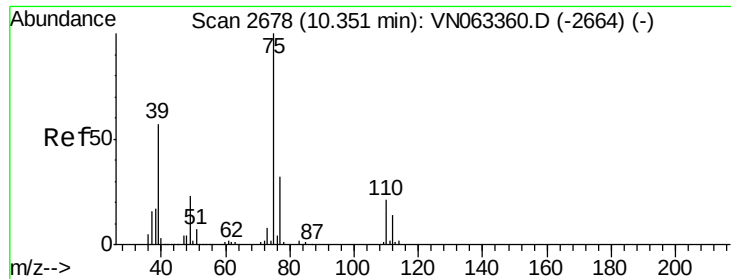
100000

0

10.10 10.20

Time-->





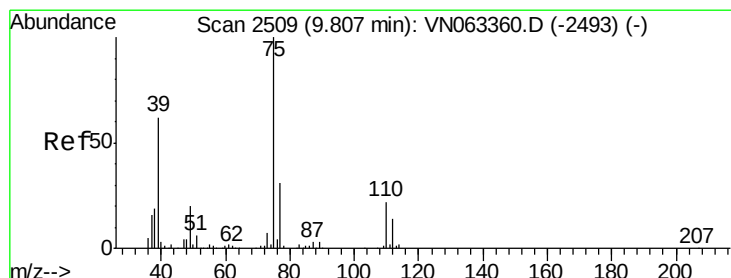
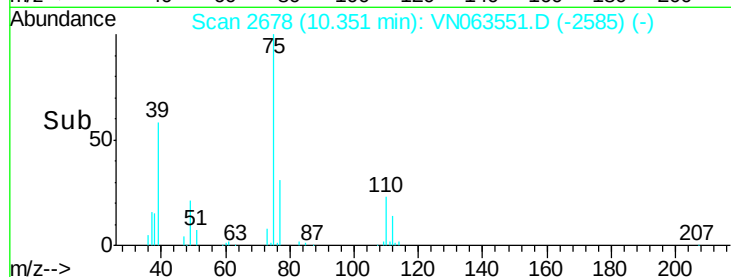
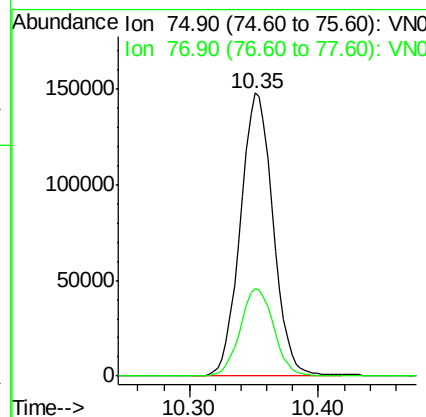
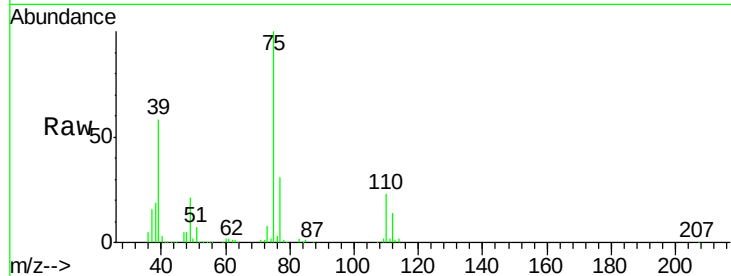
#53
t-1,3-Dichloropropene
Concen: 45.840 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 261029
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.2

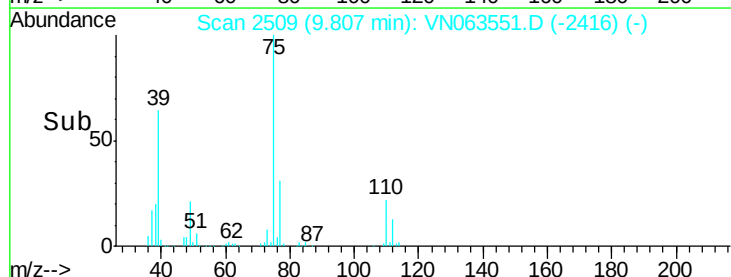
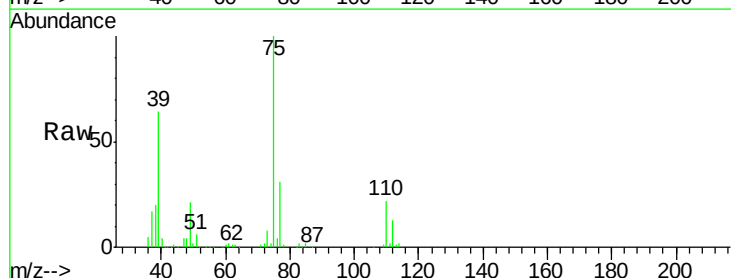
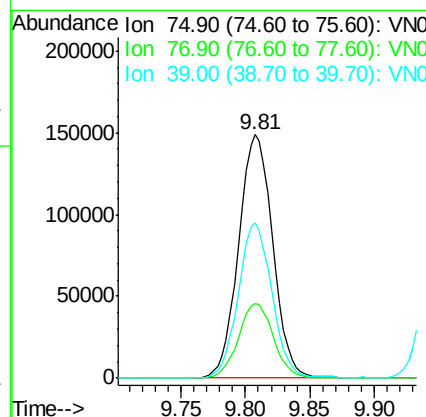
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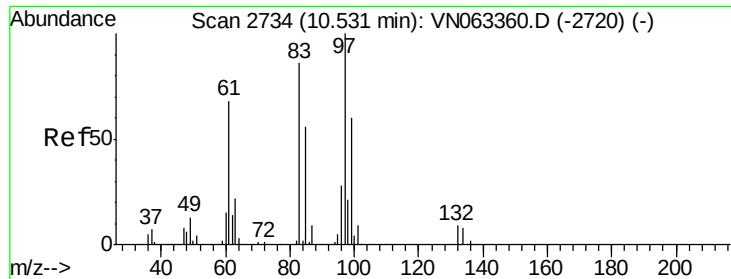
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#54
cis-1,3-Dichloropropene
Concen: 45.729 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion: 75 Resp: 274668
Ion Ratio Lower Upper
75 100
77 30.9 24.6 37.0
39 63.8 49.8 74.8





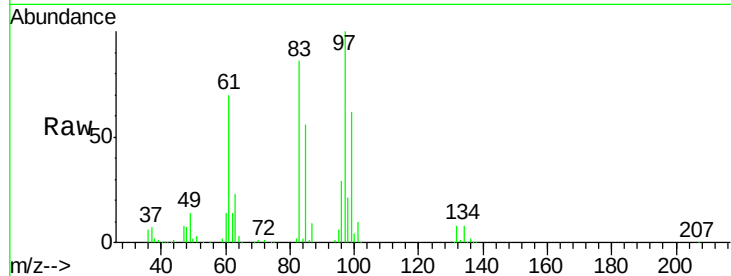
#55
 1,1,2-Trichloroethane
 Concen: 49.528 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	162231
Ion	Ratio	Lower	Upper
97	100		
83	86.1	68.9	103.3
85	55.9	44.8	67.2
99	62.1	47.8	71.8

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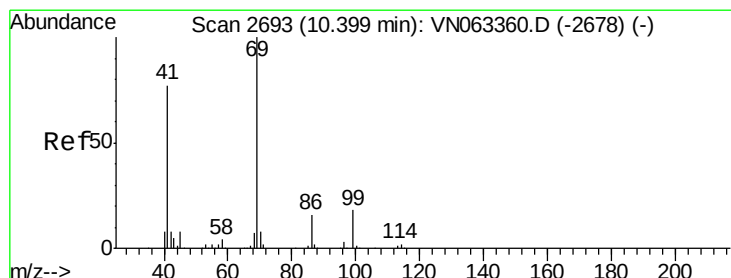
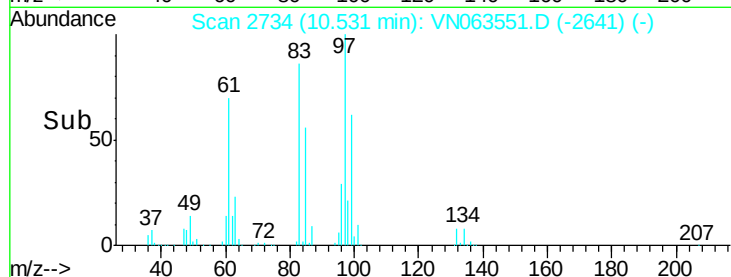
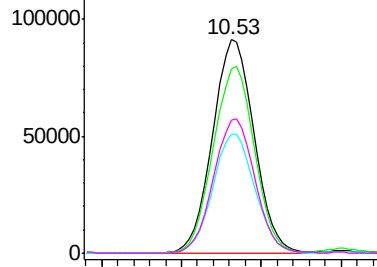


Abundance Ion 96.90 (96.60 to 97.60): VN063360.D (-2720) (-)

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

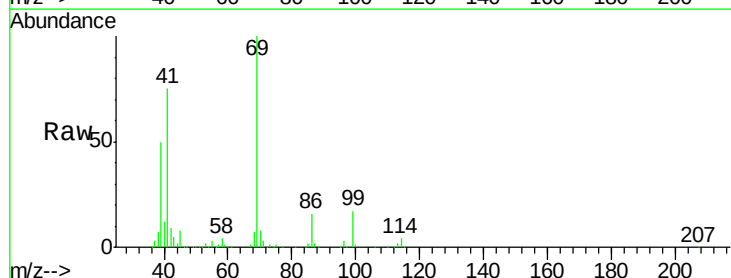
Ion 84.90 (84.60 to 85.60): VN063360.D (-2720) (-)

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



#56
 Ethyl methacrylate
 Concen: 47.632 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

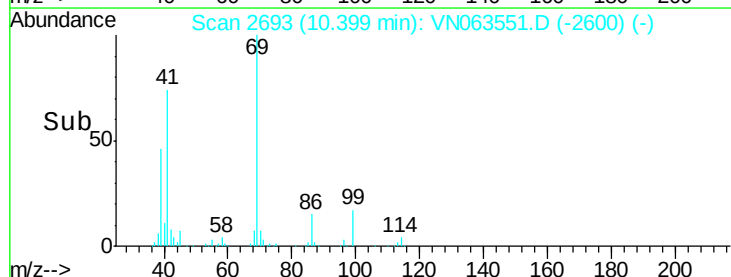
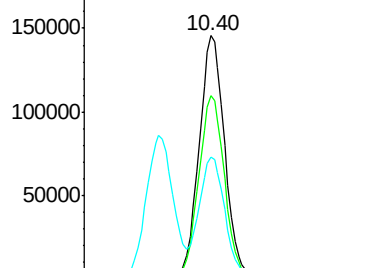
Tgt Ion:	69	Resp:	243564
Ion	Ratio	Lower	Upper
69	100		
41	75.2	61.0	91.6
39	50.9	39.2	58.8

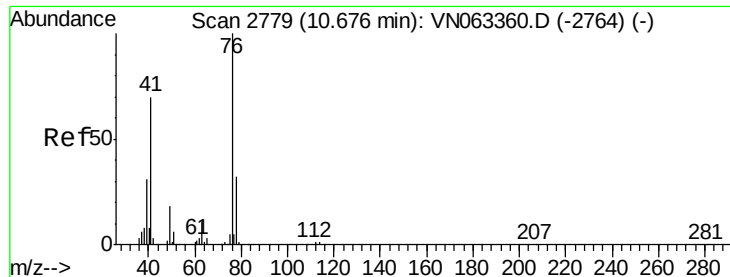


Abundance Ion 69.00 (68.70 to 69.70): VN063360.D (-2678) (-)

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: 46.773 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 76 Resp: 276282

Ion Ratio Lower Upper

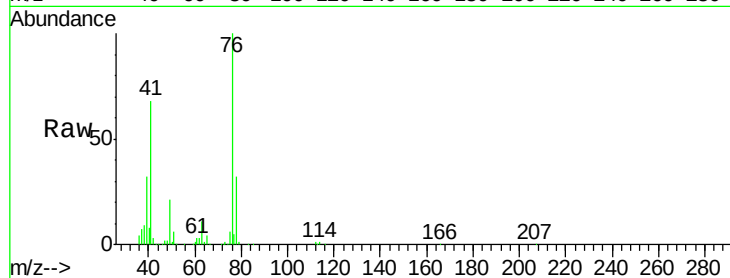
76 100

78 32.7 25.8 38.8

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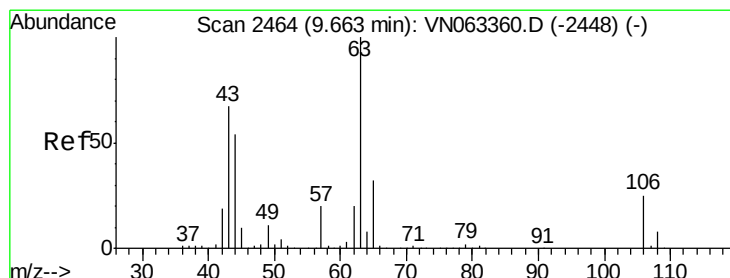
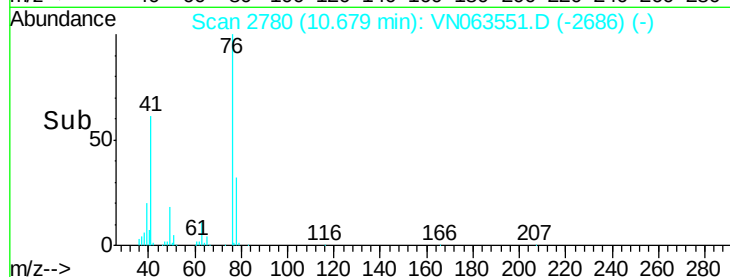
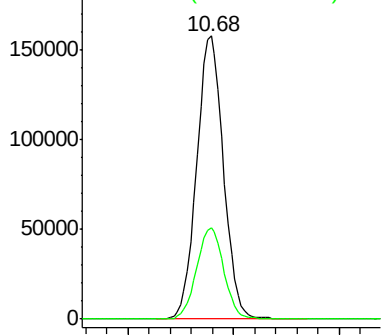
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 233.707 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063551.D

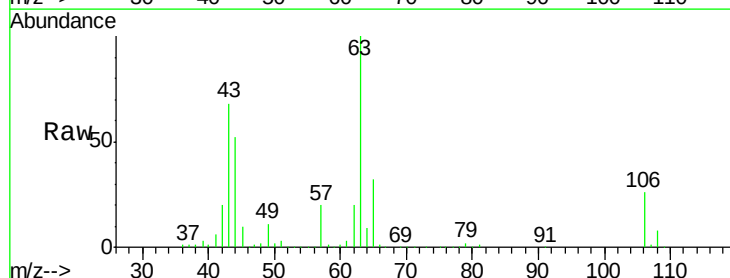
Acq: 22 Sep 2020 22:30

Tgt Ion: 63 Resp: 626900

Ion Ratio Lower Upper

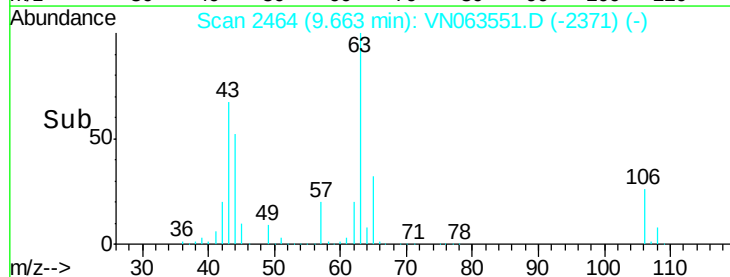
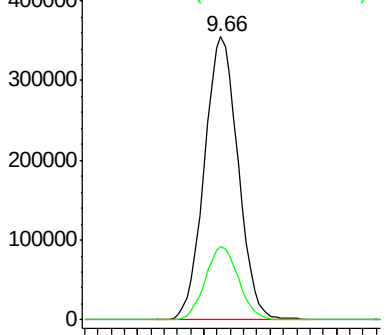
63 100

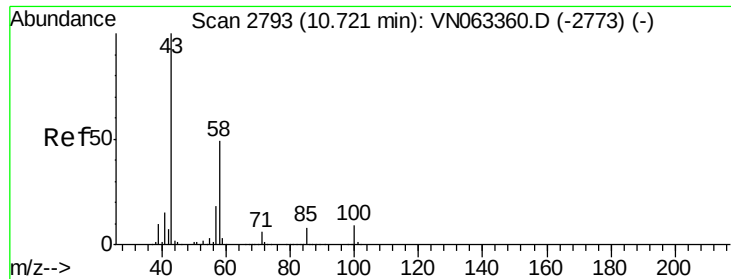
106 25.8 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





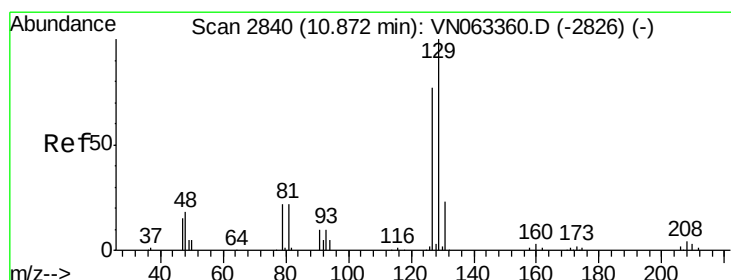
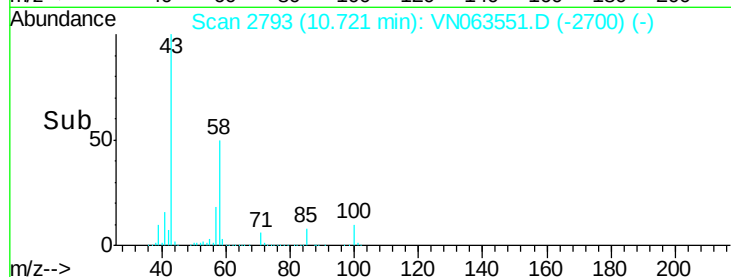
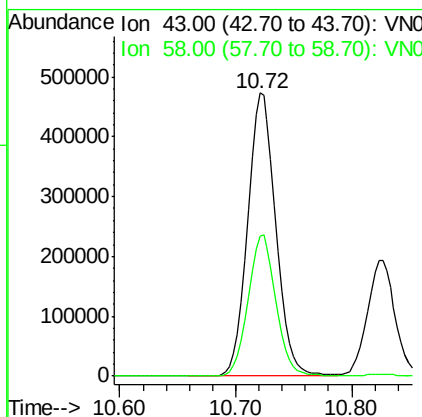
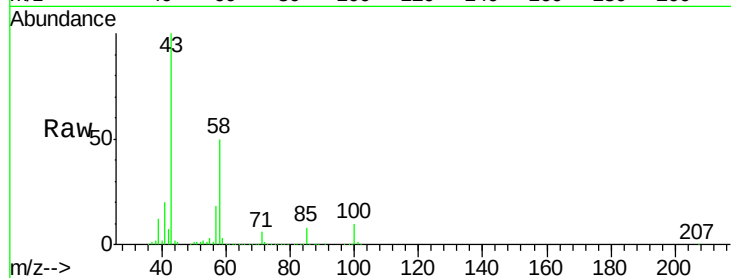
#59
2-Hexanone
Concen: 234.205 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 800963
Ion Ratio Lower Upper
43 100
58 49.5 24.7 74.1

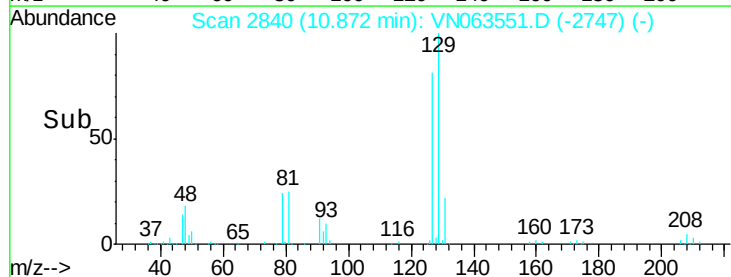
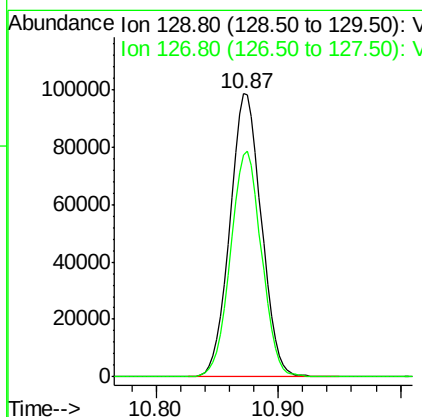
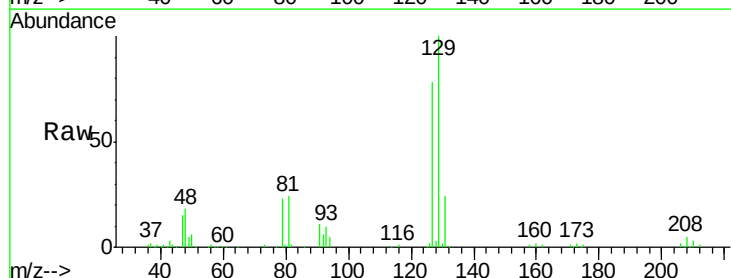
Manual Integrations
APPROVED

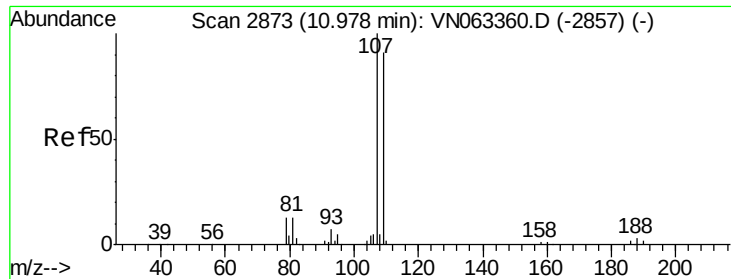
MMDadoda
9/23/2020 1:06:33 PM



#60
Dibromochloromethane
Concen: 47.889 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion: 129 Resp: 177210
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.3





#61

1,2-Dibromoethane

Concen: 49.285 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 167717

Ion Ratio Lower Upper

107 100

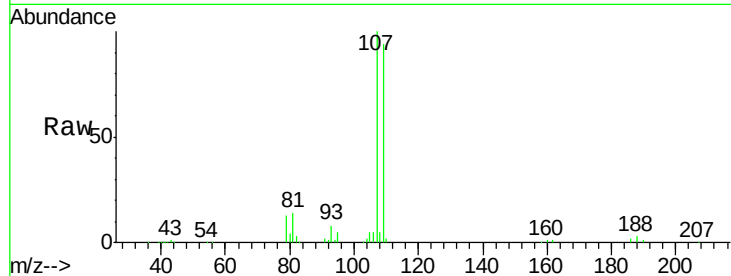
109 93.5 74.6 111.8

Manual Integrations

APPROVED

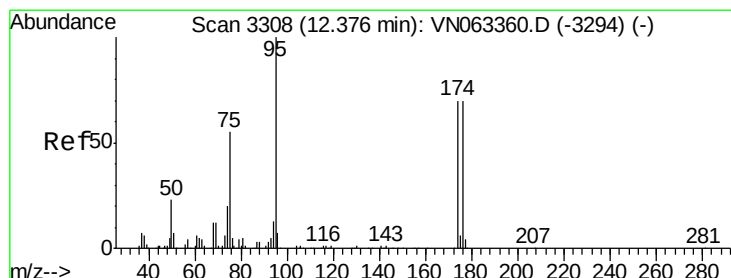
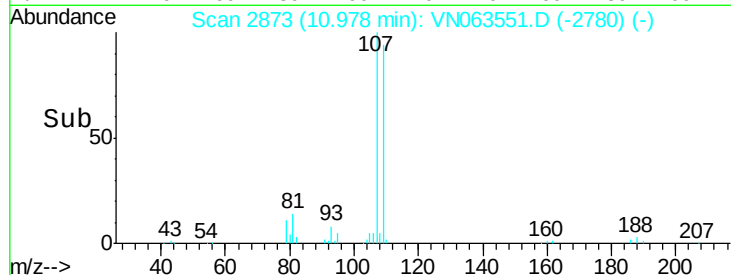
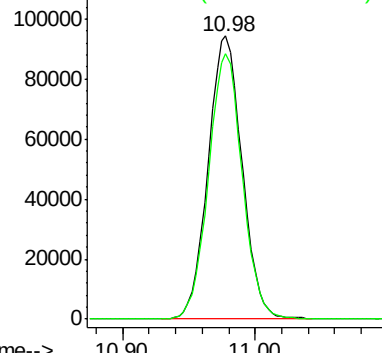
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.584 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

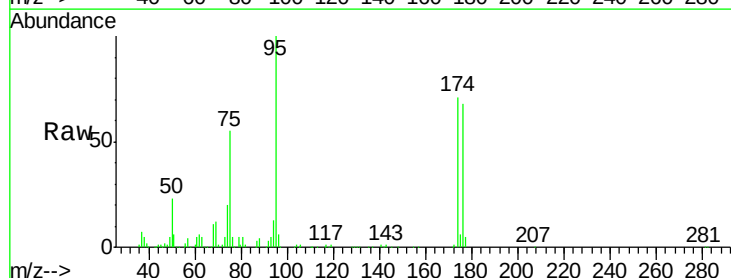
Tgt Ion: 95 Resp: 204783

Ion Ratio Lower Upper

95 100

174 71.5 0.0 140.8

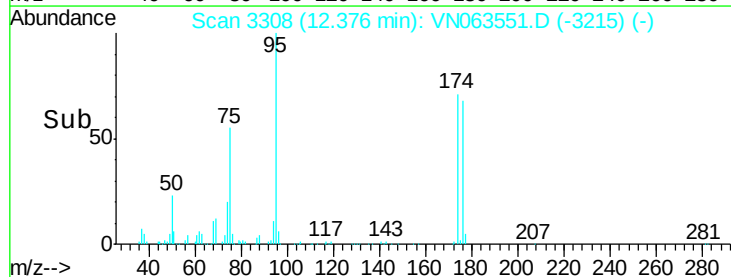
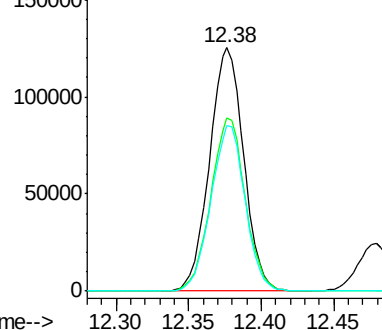
176 68.1 0.0 137.6

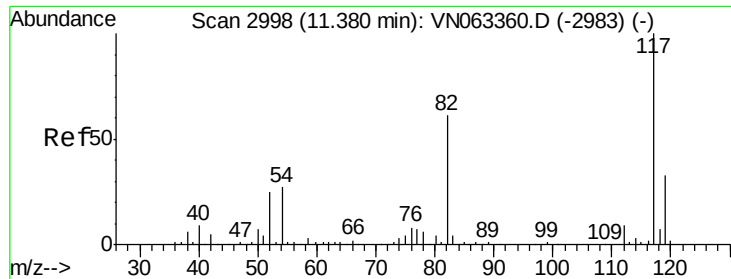


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





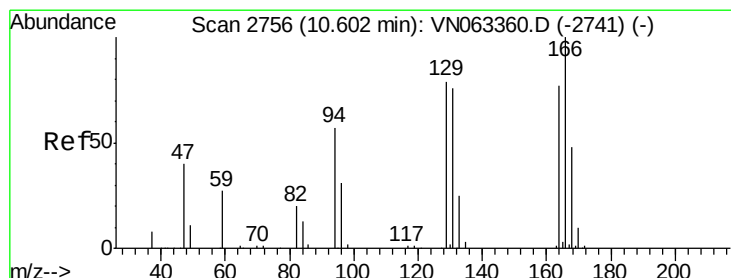
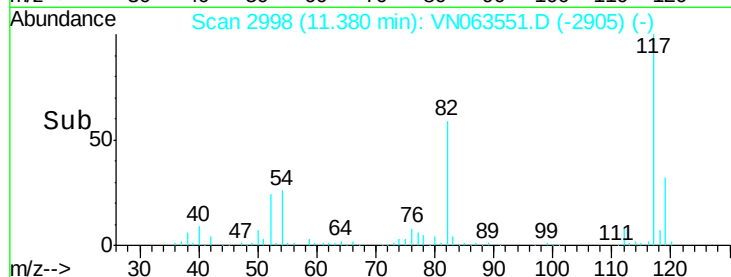
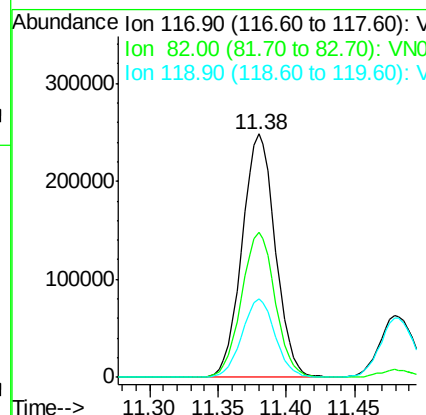
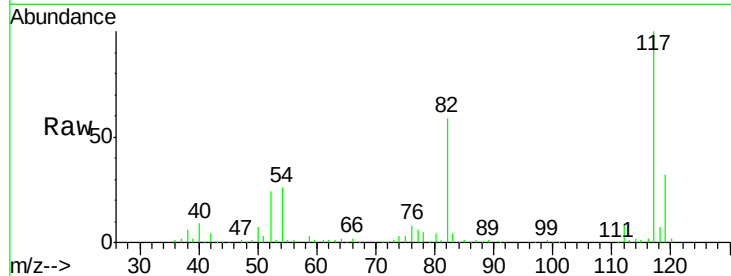
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.5	49.2	73.8
119	32.2	26.2	39.4

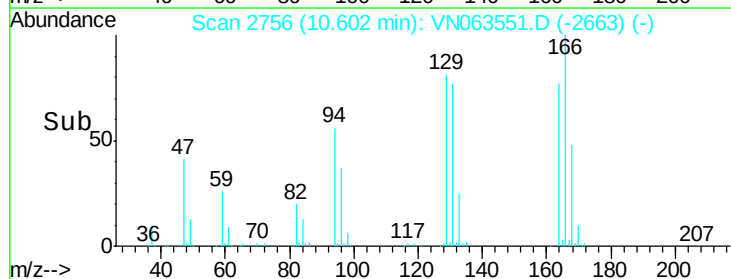
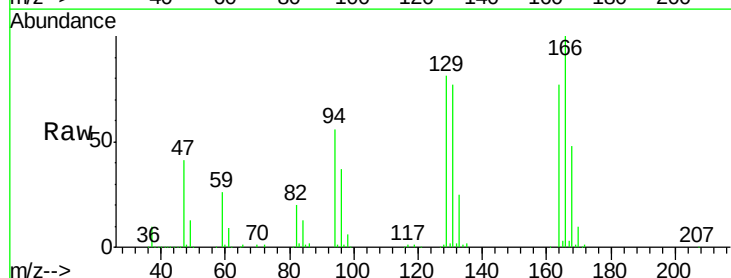
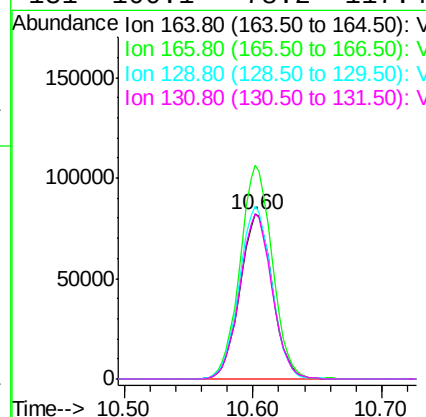
Manual Integrations
APPROVED

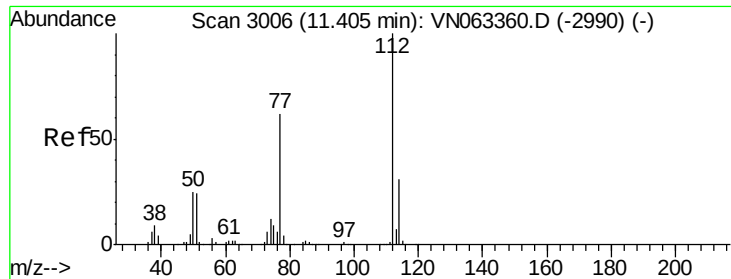
MMDadoda
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#64
Tetrachloroethene
Concen: 50.219 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	103.4	155.0
129	104.8	81.8	122.6
131	100.1	78.2	117.4





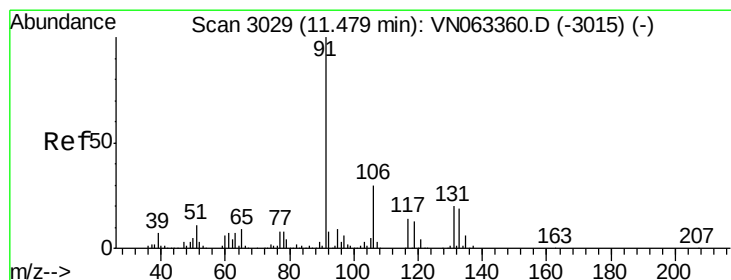
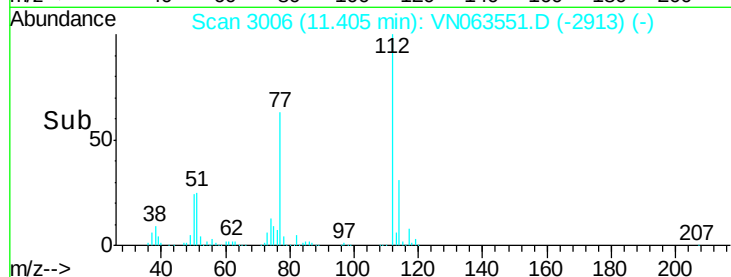
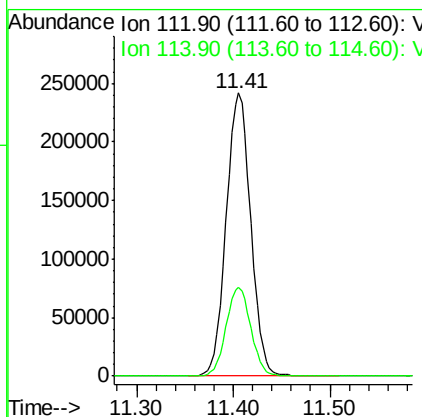
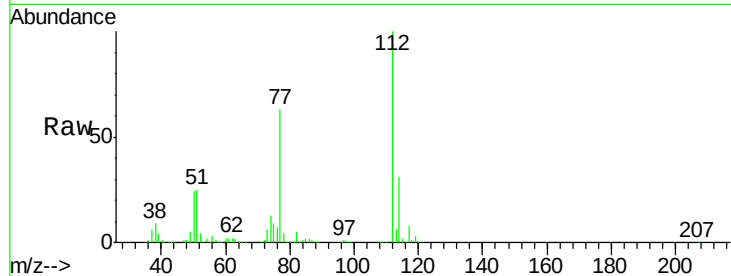
#65
Chlorobenzene
Concen: 47.546 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 424844
Ion Ratio Lower Upper
112 100
114 31.2 25.0 37.6

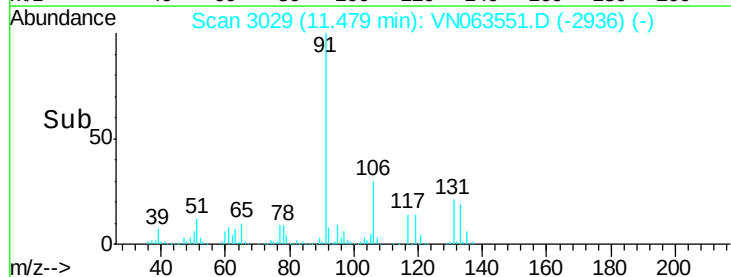
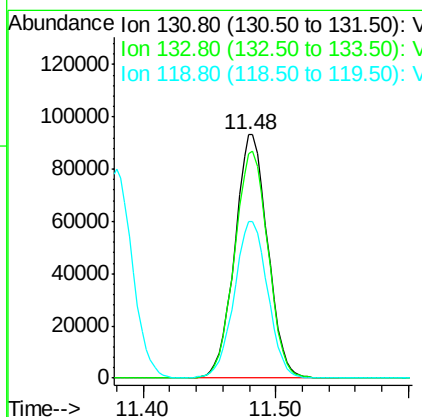
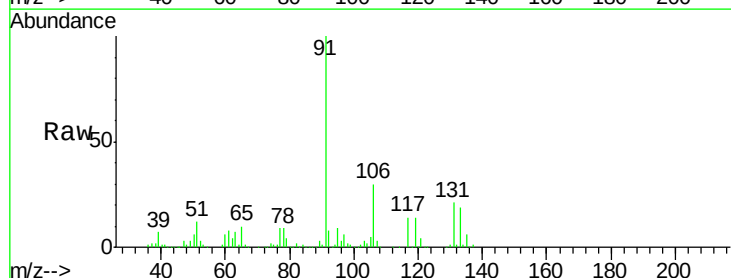
Manual Integrations
APPROVED

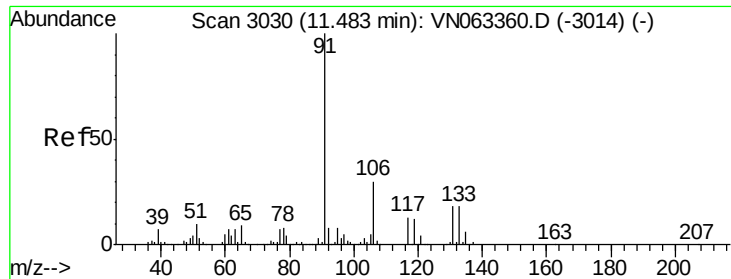
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.988 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion:131 Resp: 160456
Ion Ratio Lower Upper
131 100
133 94.8 47.3 141.9
119 65.6 33.6 100.8





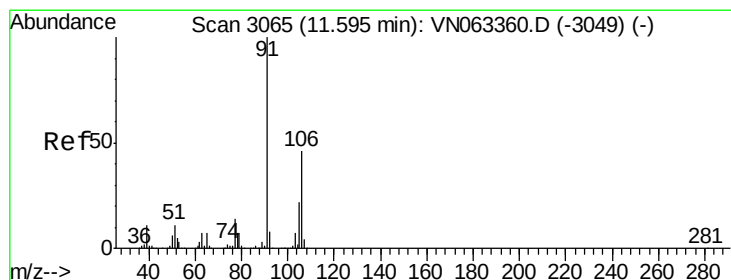
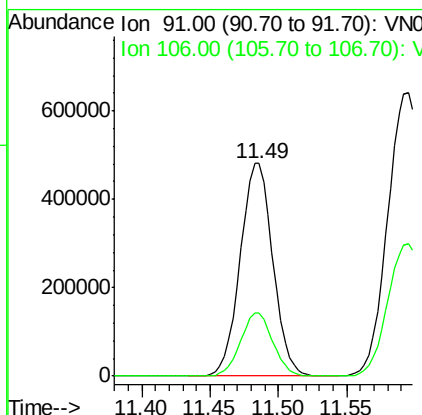
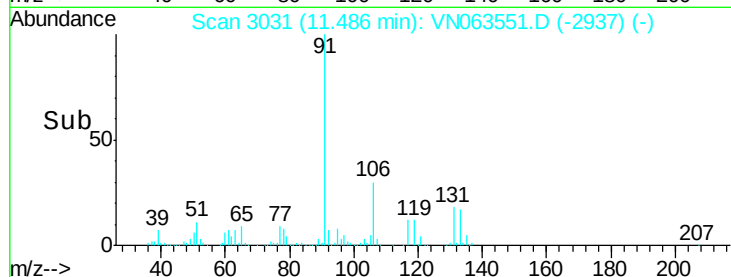
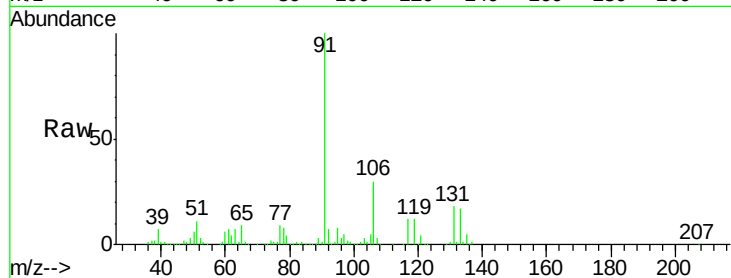
#67
Ethyl Benzene
Concen: 47.548 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 800094
Ion Ratio Lower Upper
91 100
106 29.5 23.8 35.6

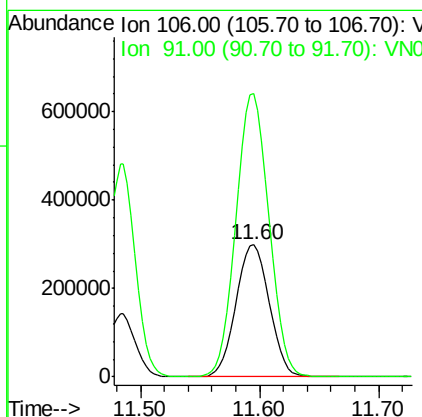
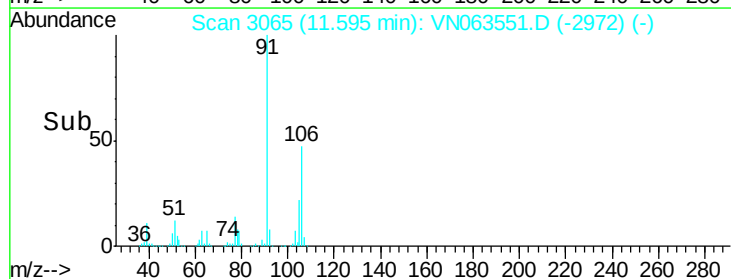
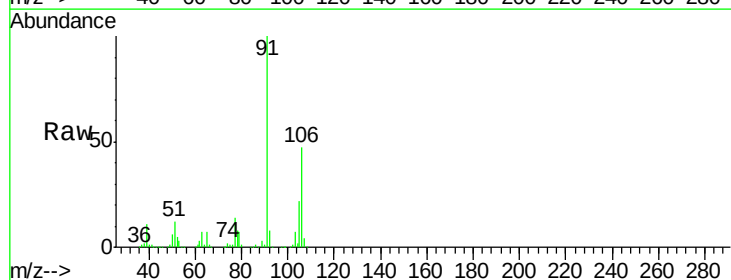
Manual Integrations
APPROVED

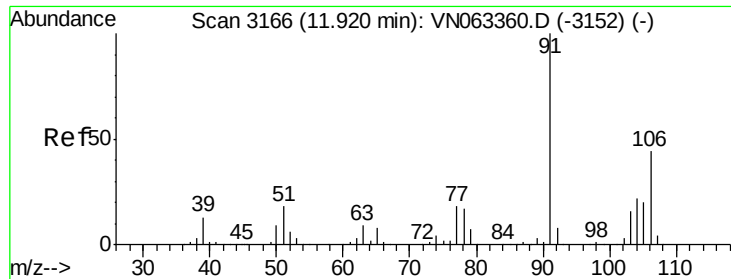
MMDadoda
9/23/2020 1:06:33 PM



#68
m/p-Xylenes
Concen: 95.552 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion: 106 Resp: 579717
Ion Ratio Lower Upper
106 100
91 212.4 171.2 256.8





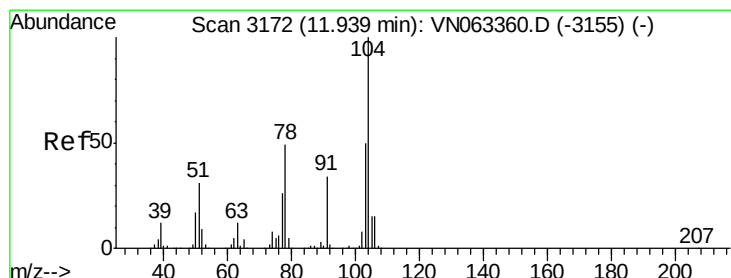
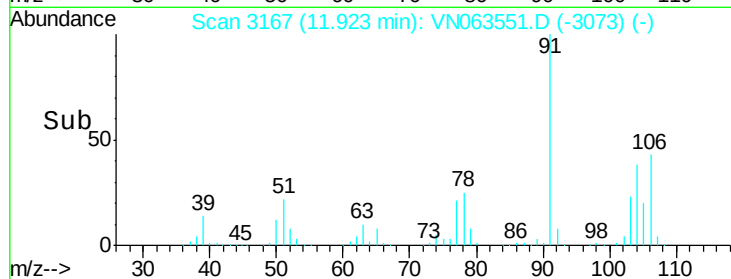
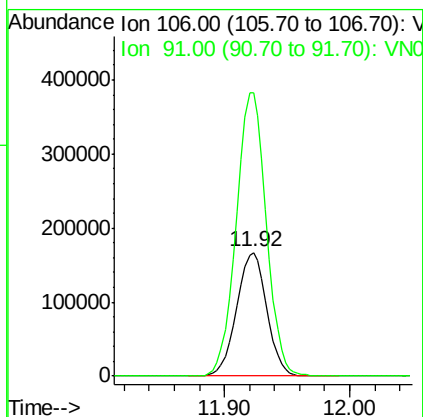
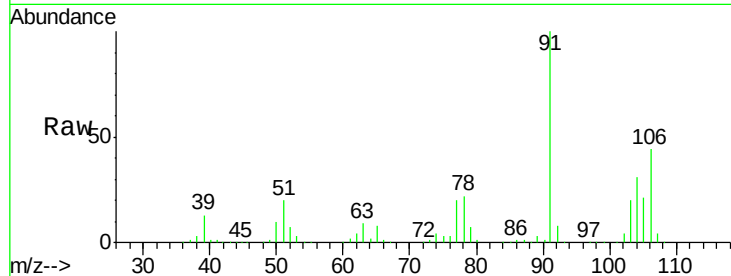
#69
o-Xylene
Concen: 48.291 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 279096
Ion Ratio Lower Upper
106 100
91 227.7 113.6 340.8

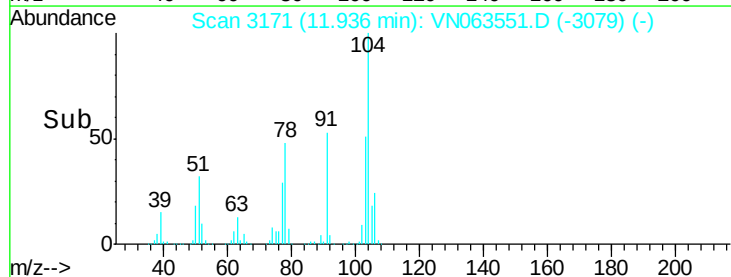
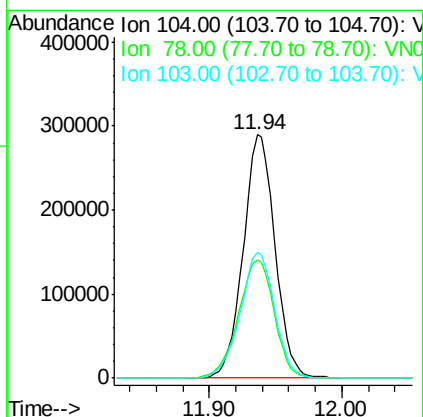
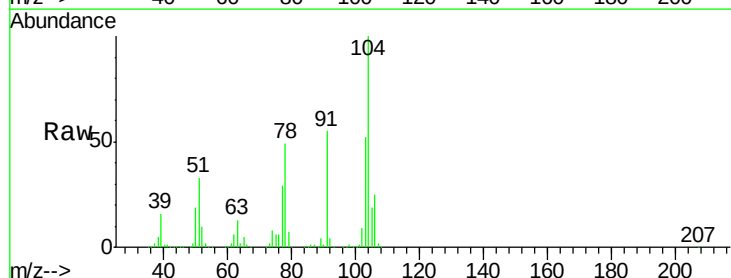
Manual Integrations
APPROVED

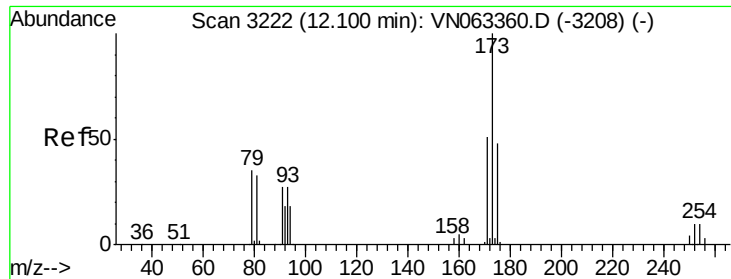
MMDadoda
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#70
Styrene
Concen: 49.843 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion:104 Resp: 483078
Ion Ratio Lower Upper
104 100
78 54.5 44.4 66.6
103 55.8 43.7 65.5





#71

Bromoform

Concen: 47.679 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

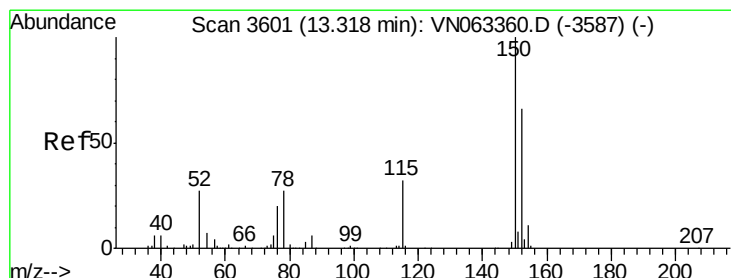
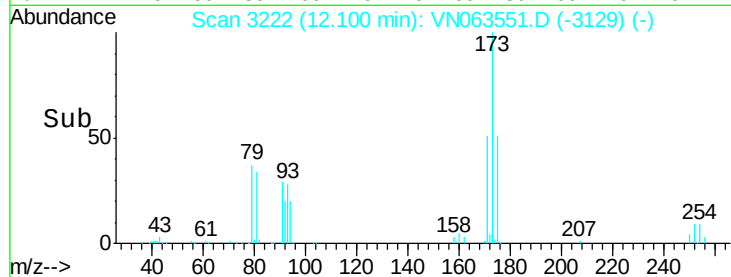
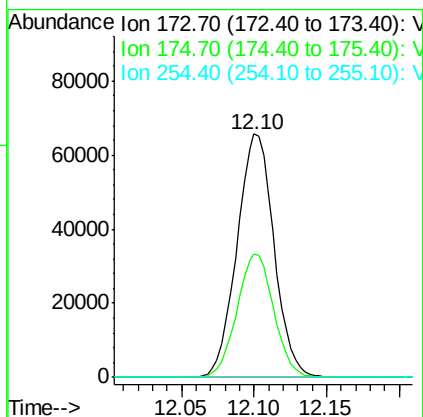
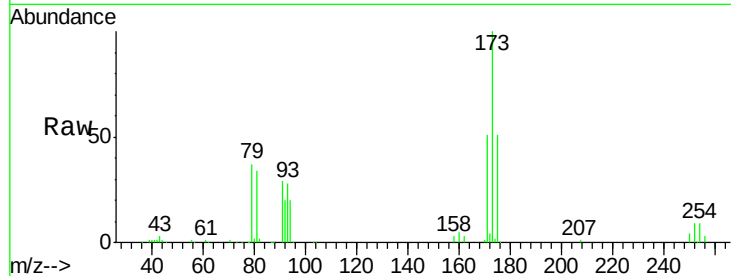
ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 116342
 Ion Ratio Lower Upper
 173 100
 175 50.1 24.0 72.0
 254 0.0 0.0 0.0

Manual Integrations
 APPROVED

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 9/23/2020 1:06:33 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

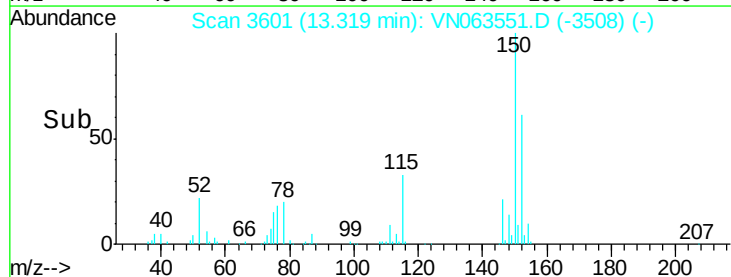
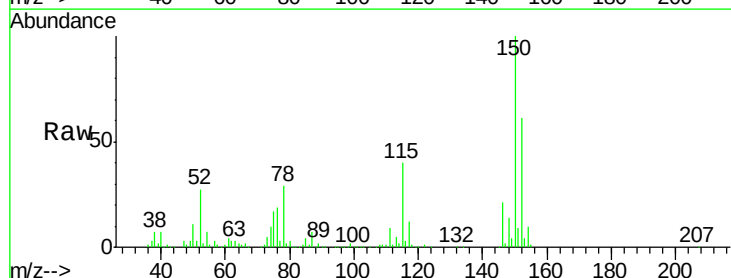
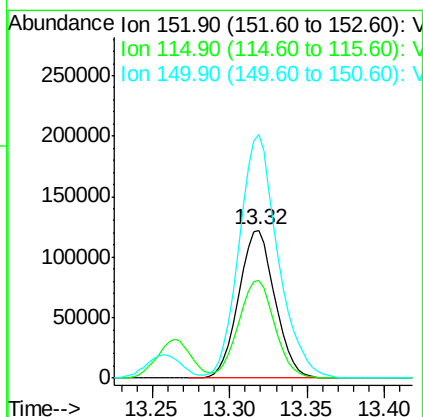
RT: 13.32 min Scan# 3601

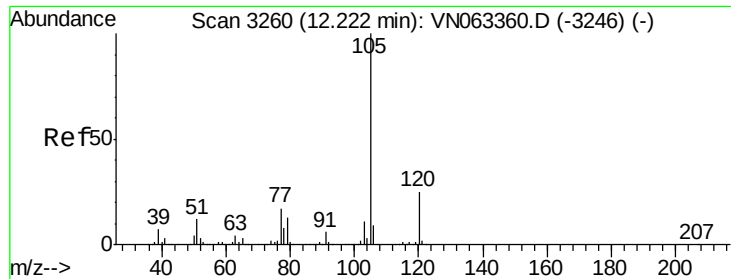
Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Tgt Ion:152 Resp: 198860
 Ion Ratio Lower Upper
 152 100
 115 66.6 32.2 96.6
 150 176.0 0.0 343.4





#73

Isopropylbenzene

Concen: 47.540 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 757566

Ion Ratio Lower Upper

105 100

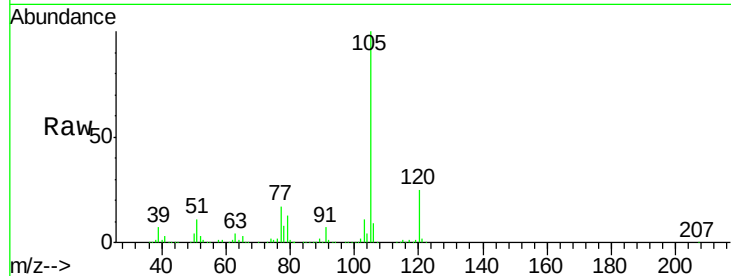
120 25.3 12.7 38.0

Manual Integrations

APPROVED

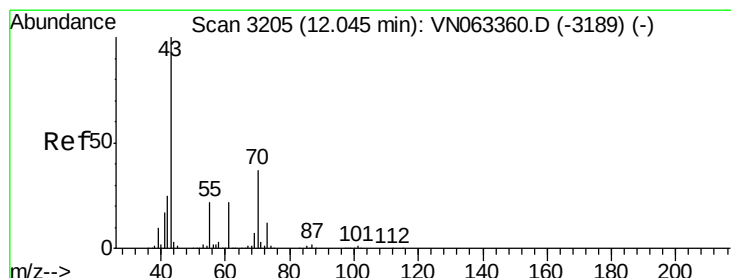
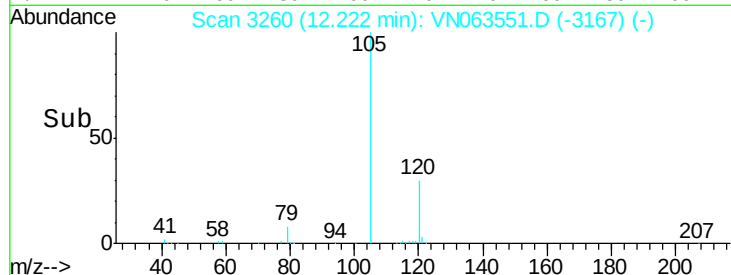
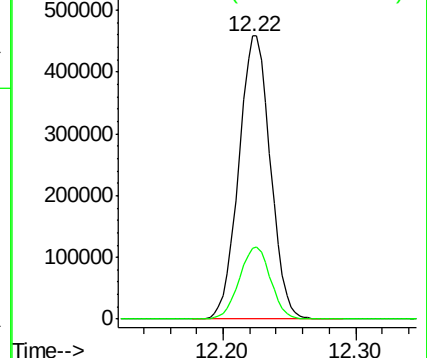
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.121 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Tgt Ion: 43 Resp: 332825

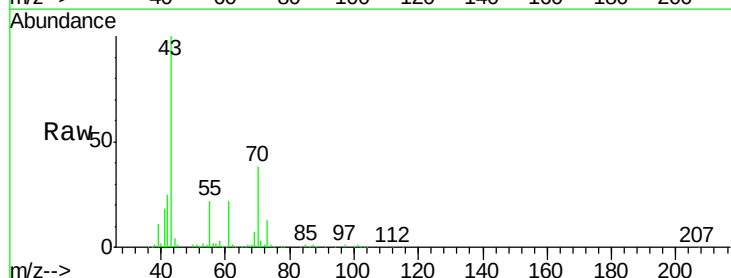
Ion Ratio Lower Upper

43 100

70 37.8 29.6 44.4

55 22.8 17.7 26.5

61 22.1 17.4 26.2

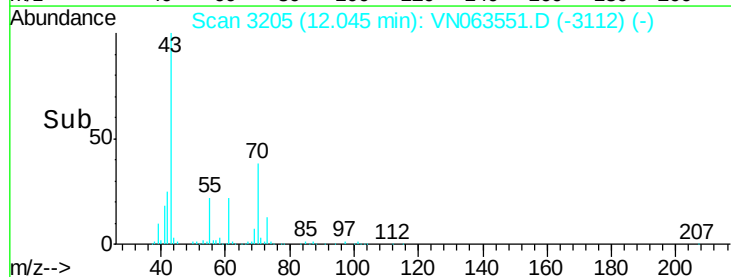
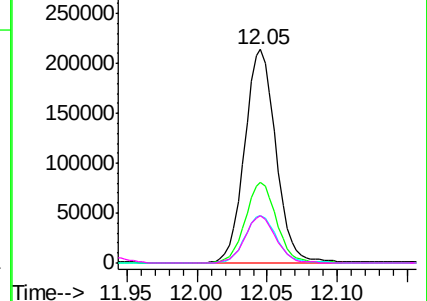


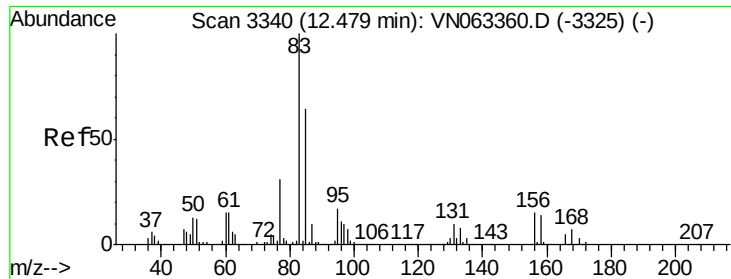
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 46.355 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

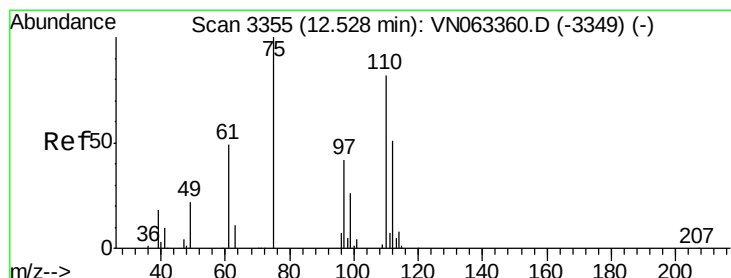
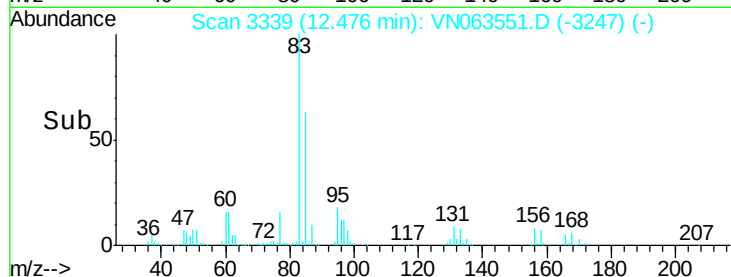
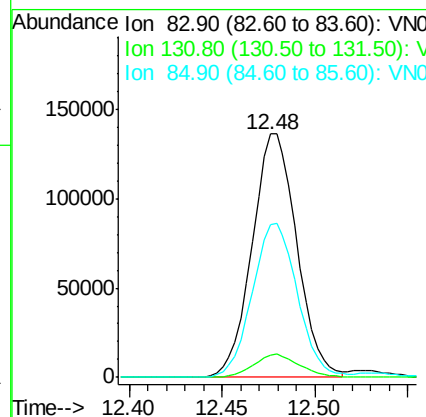
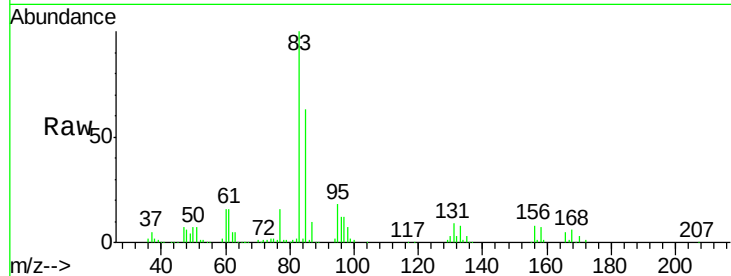
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	228722
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	63.9	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 49.815 ug/l m

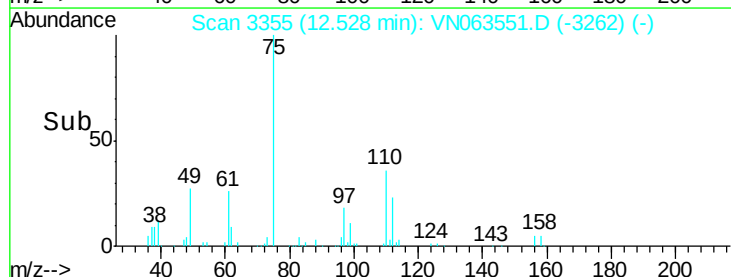
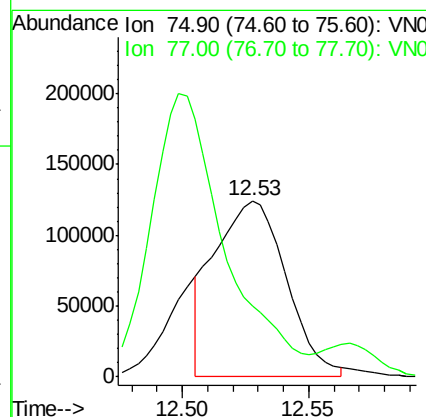
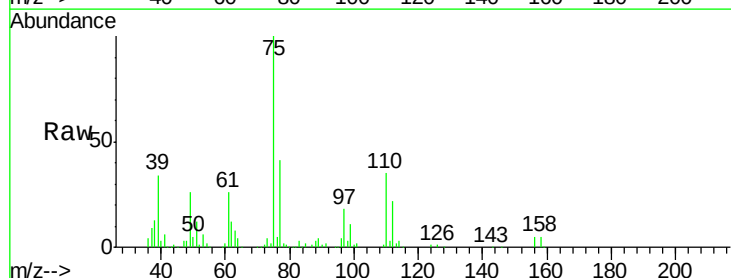
RT: 12.53 min Scan# 3355

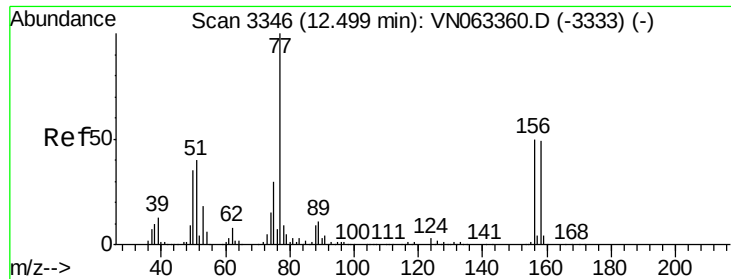
Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Tgt Ion:	75	Resp:	245191
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.812 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

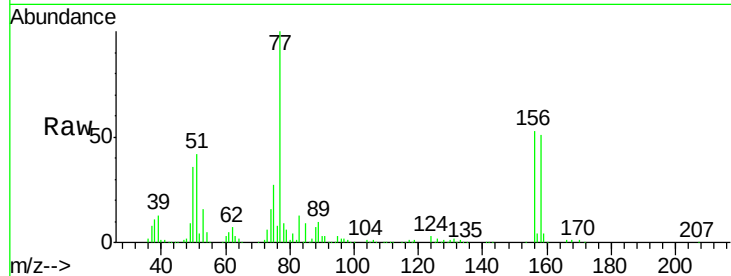
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	178555
Ion Ratio	Lower	Upper	
156	100		
77	229.4	120.2	360.6
158	97.0	48.9	146.6

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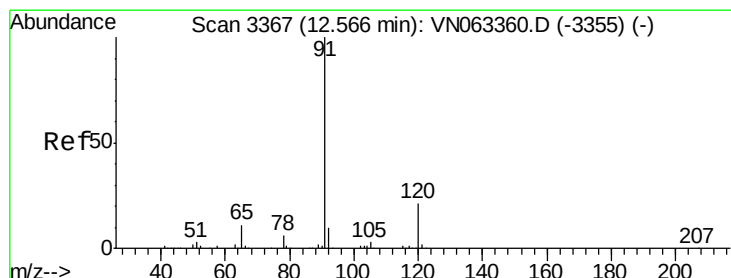
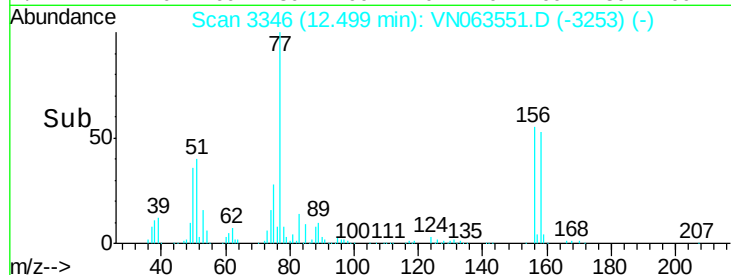
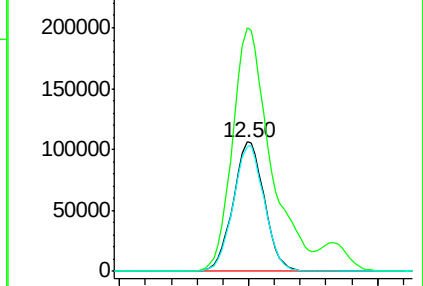
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.685 ug/l

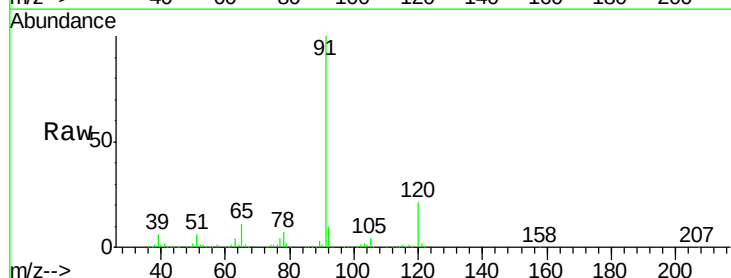
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063551.D

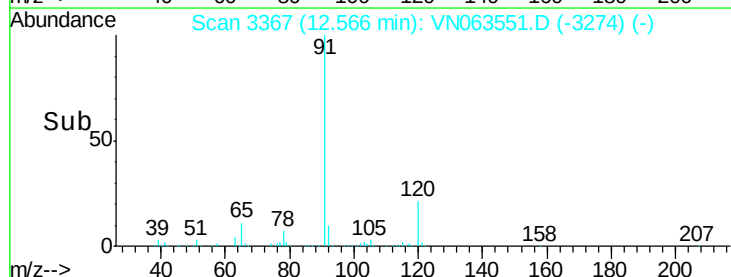
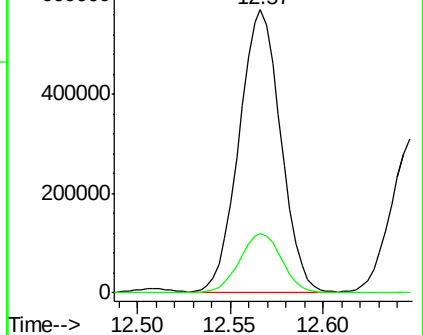
Acq: 22 Sep 2020 22:30

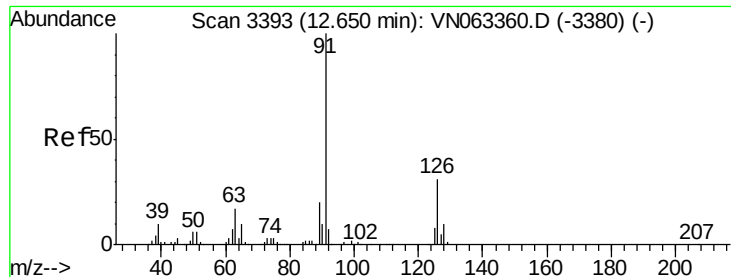
Tgt Ion:	91	Resp:	885060
Ion Ratio	Lower	Upper	
91	100		
120	21.4	10.8	32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.900 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 532936

Ion Ratio Lower Upper

91 100

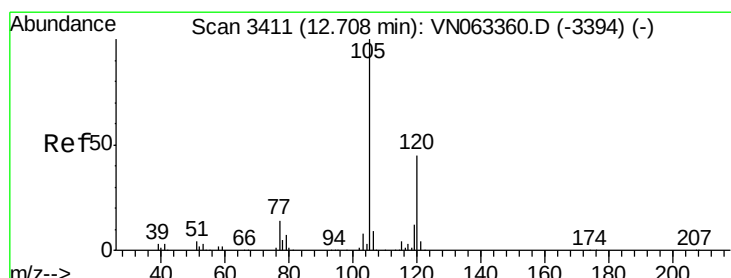
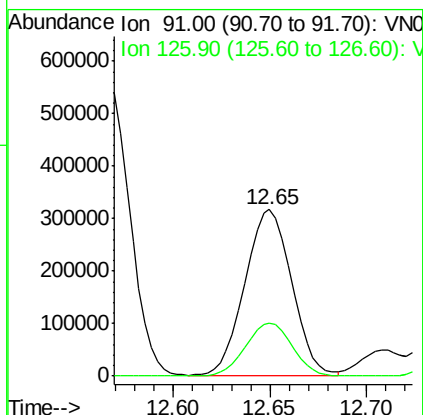
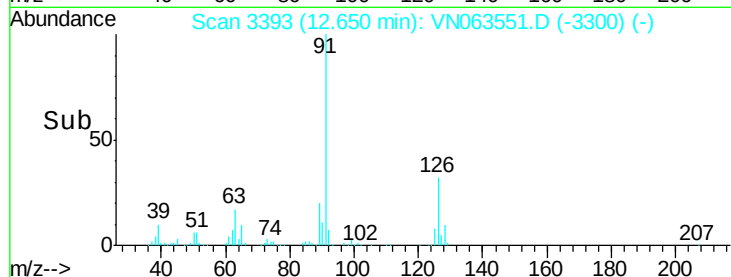
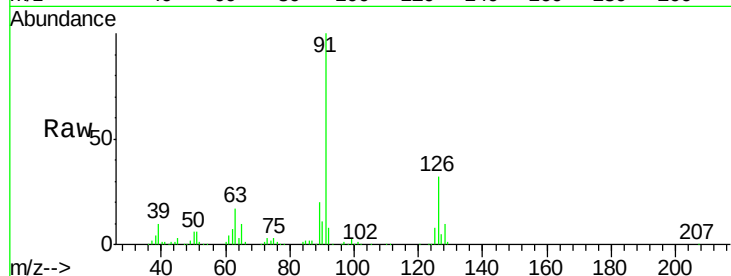
126 32.0 15.8 47.3

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#80

1,3,5-Trimethylbenzene

Concen: 48.782 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063551.D

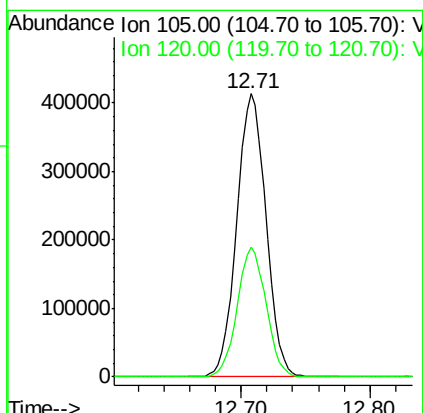
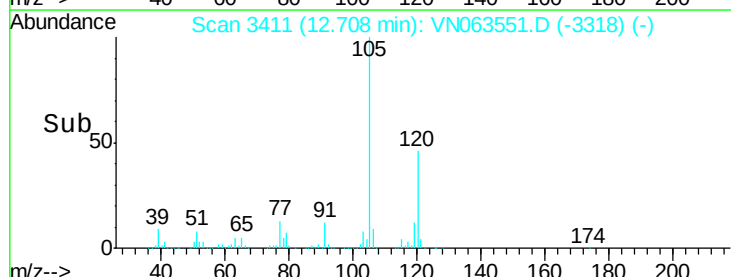
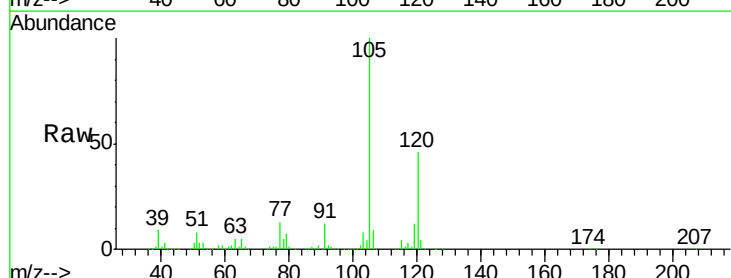
Acq: 22 Sep 2020 22:30

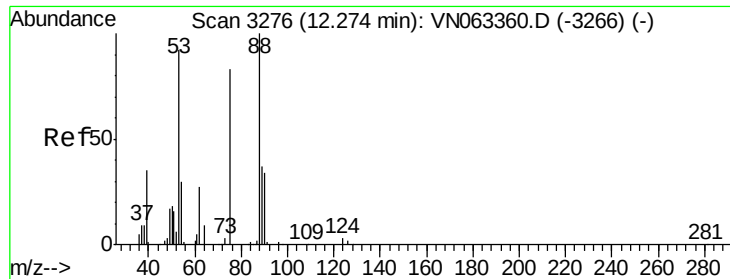
Tgt Ion: 105 Resp: 648229

Ion Ratio Lower Upper

105 100

120 45.4 22.9 68.8





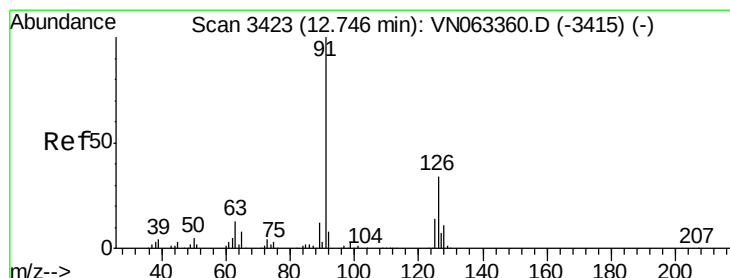
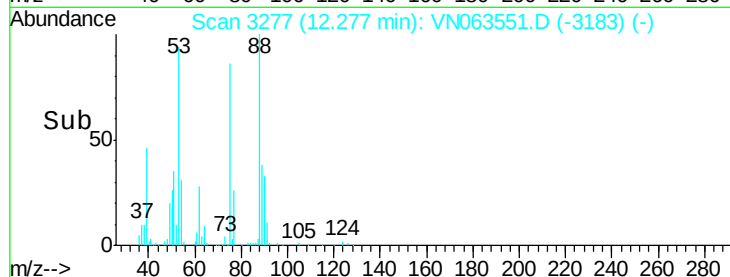
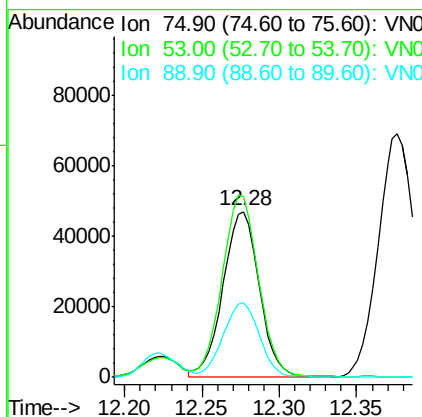
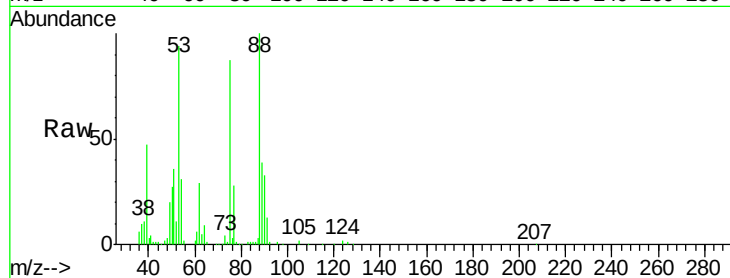
#81
trans-1,4-Dichloro-2-butene
Concen: 42.127 ug/l
RT: 12.28 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.7	85.7	128.5
89	45.7	38.0	57.0

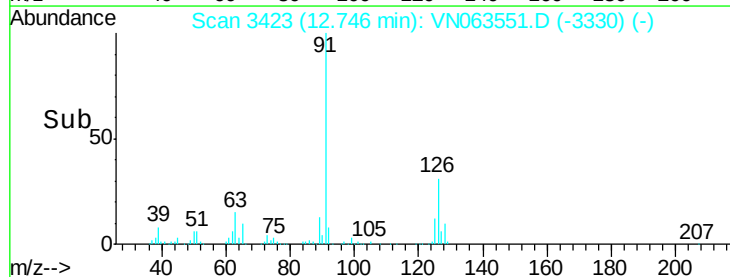
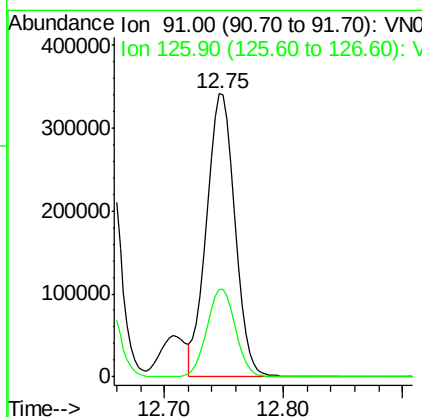
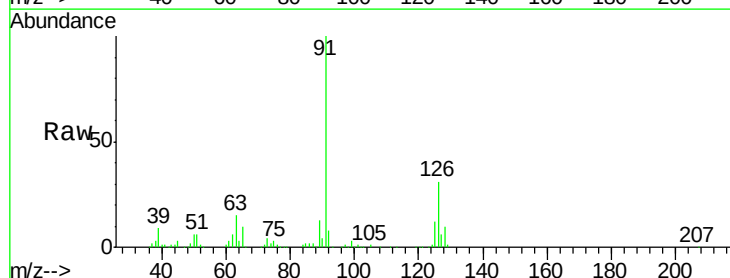
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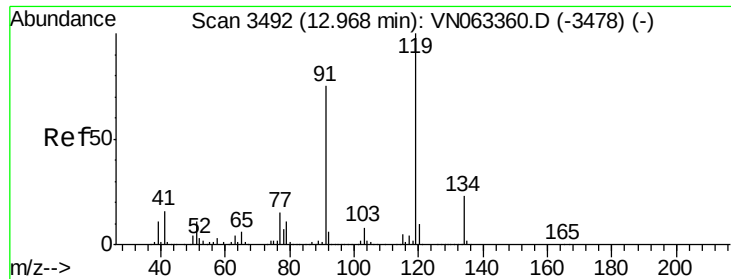
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9/23/2020 1:06:33 PM



#82
4-Chlorotoluene
Concen: 47.867 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.5	46.5





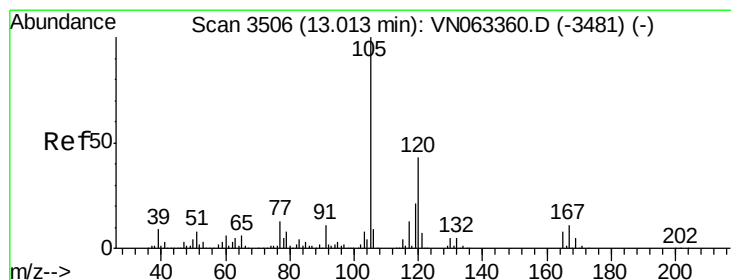
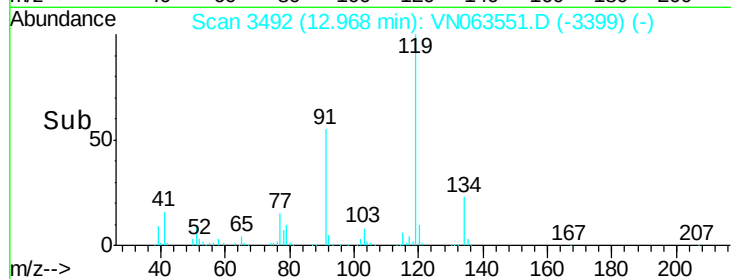
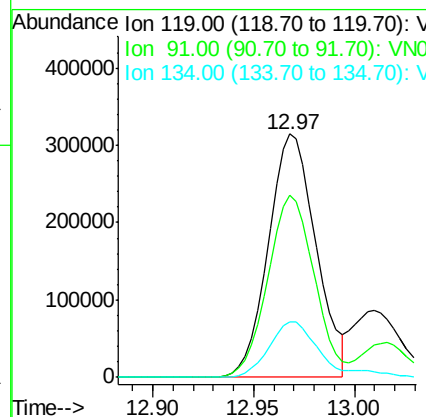
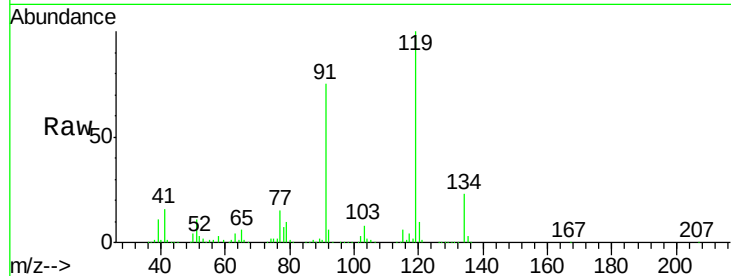
#83
 tert-Butylbenzene
 Concen: 46.982 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.1	36.3	108.9
134	22.9	12.3	36.8

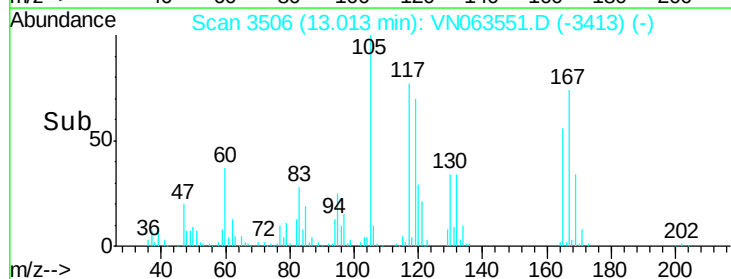
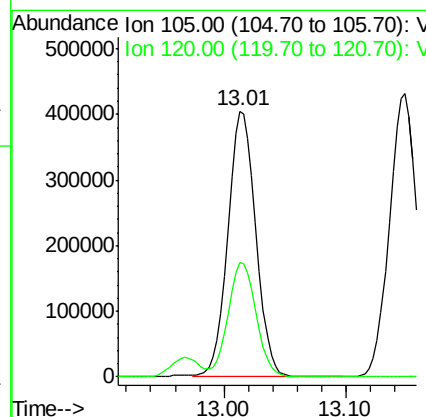
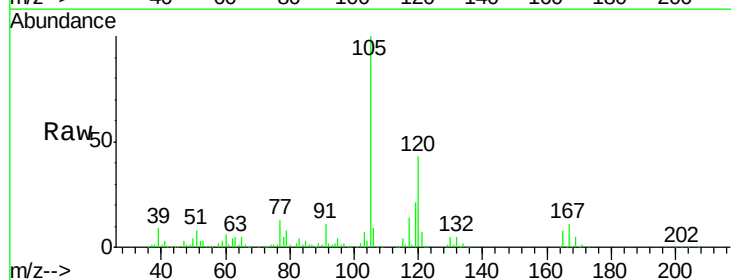
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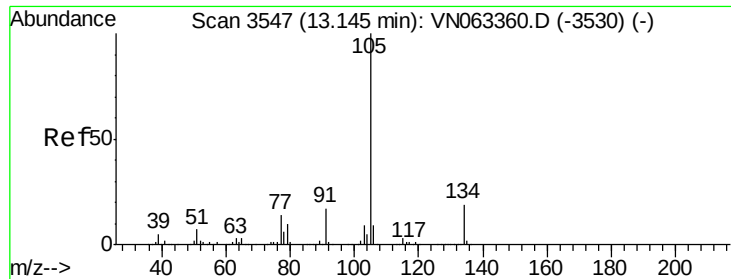
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 9/23/2020 1:06:33 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.265 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.3	63.9





#85

sec-Butylbenzene

Concen: 46.607 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 684214

Ion Ratio Lower Upper

105 100

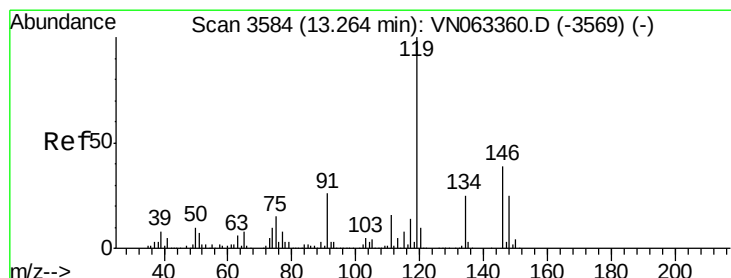
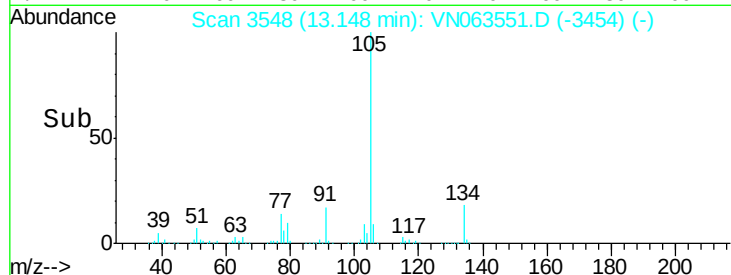
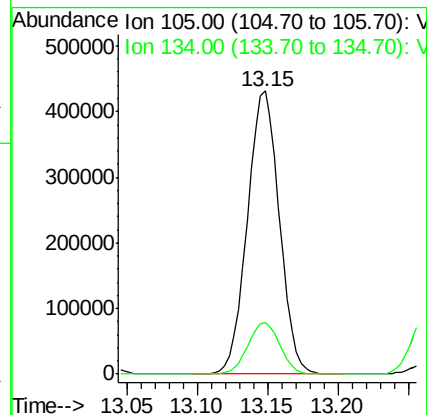
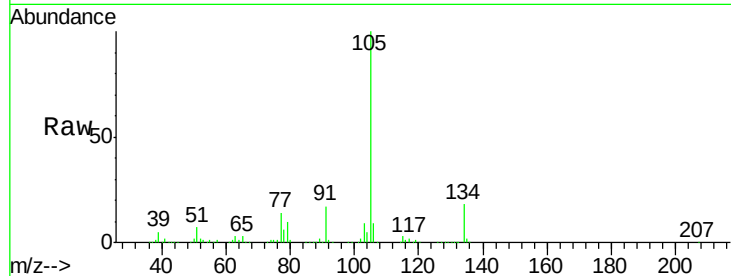
134 18.4 9.3 27.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.444 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063551.D

Acq: 22 Sep 2020 22:30

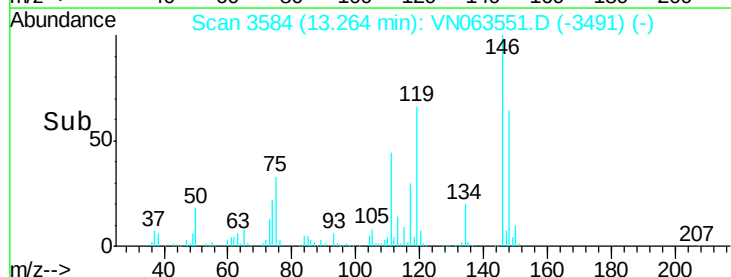
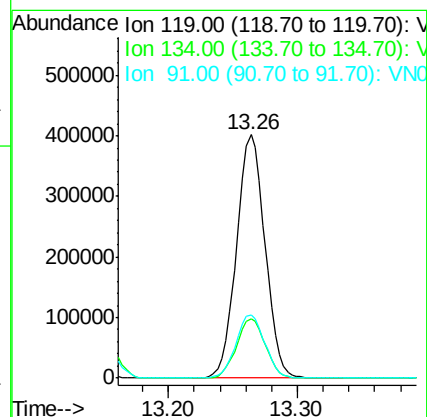
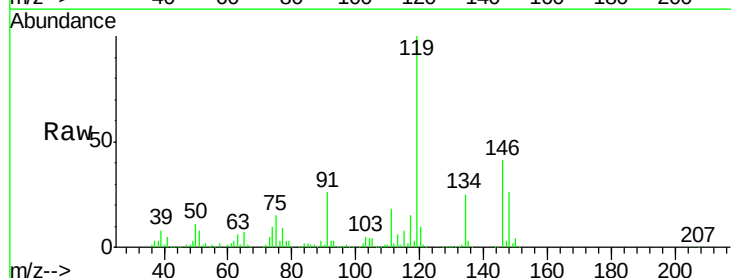
Tgt Ion:119 Resp: 614316

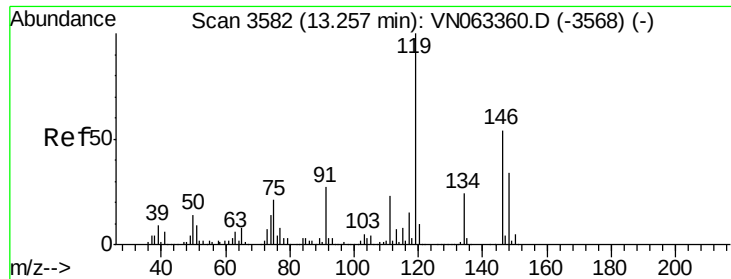
Ion Ratio Lower Upper

119 100

134 24.9 12.5 37.5

91 26.4 13.4 40.1





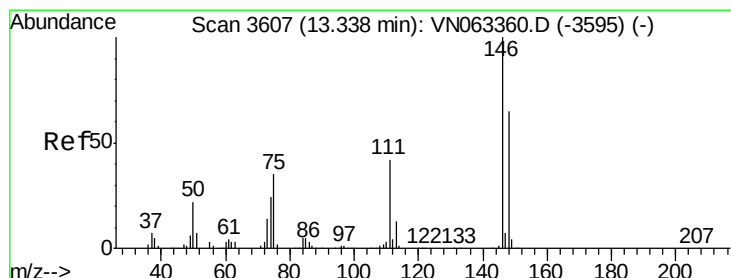
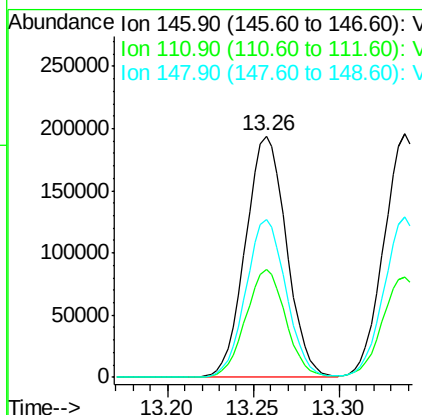
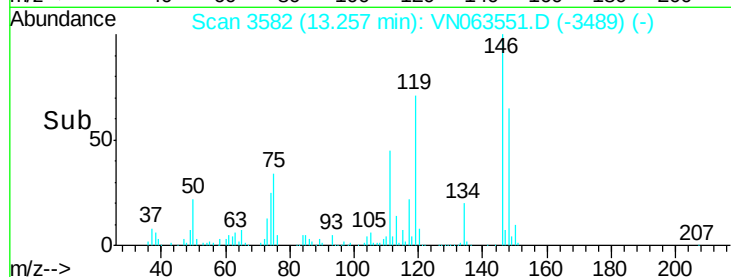
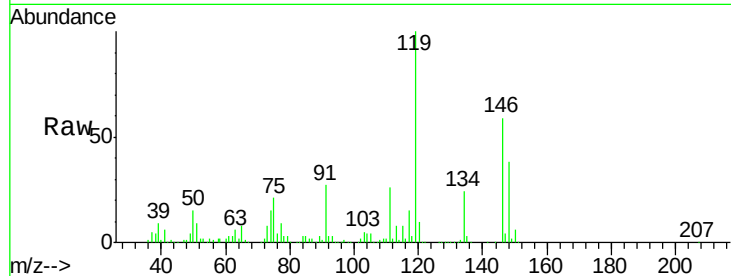
#87
 1,3-Dichlorobenzene
 Concen: 48.349 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	321225		
111	43.5	21.4	64.3	
148	64.2	31.9	95.7	

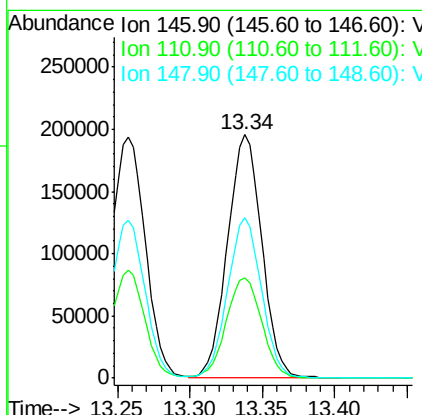
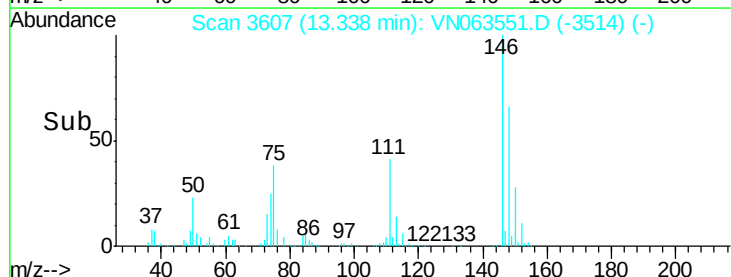
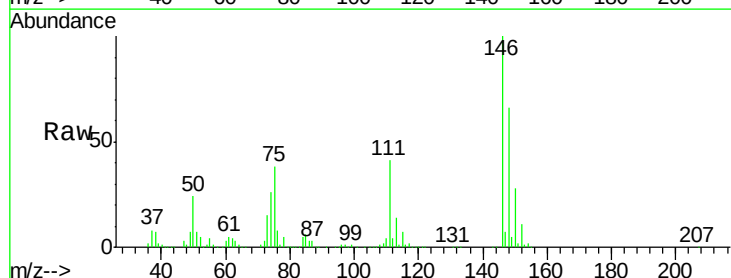
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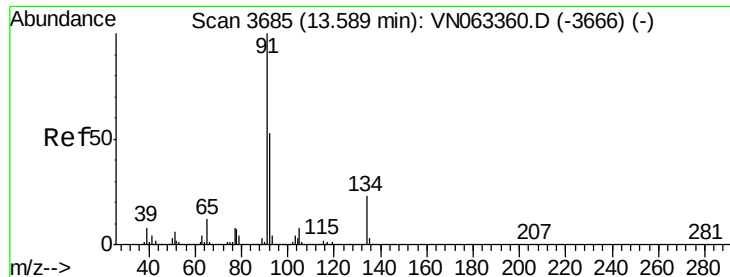
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#88
 1,4-Dichlorobenzene
 Concen: 47.565 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	321296		
111	42.5	21.2	63.6	
148	65.0	31.9	95.9	





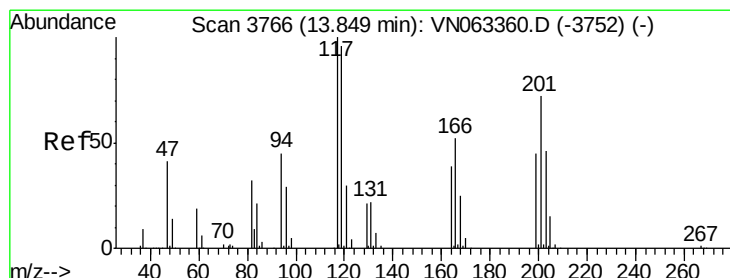
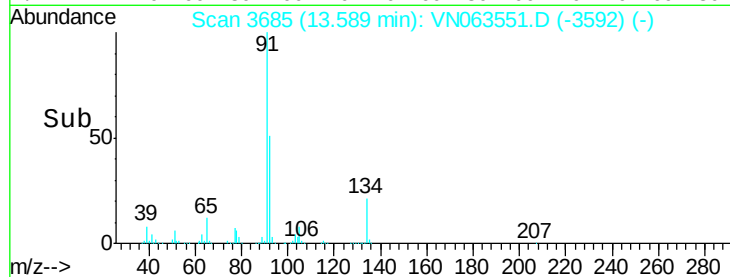
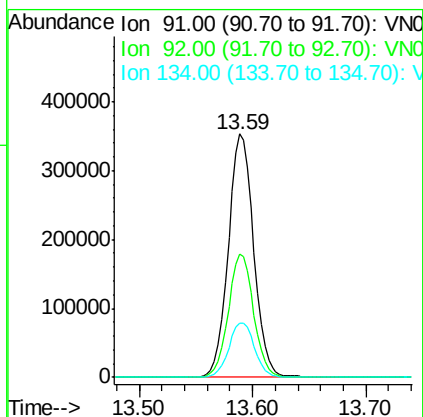
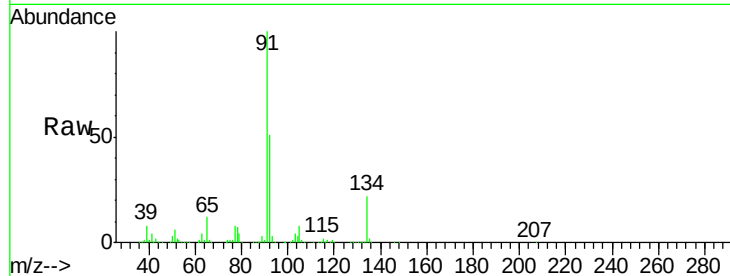
#89
n-Butylbenzene
Concen: 46.077 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	26.0	78.0
134	22.8	11.7	35.0

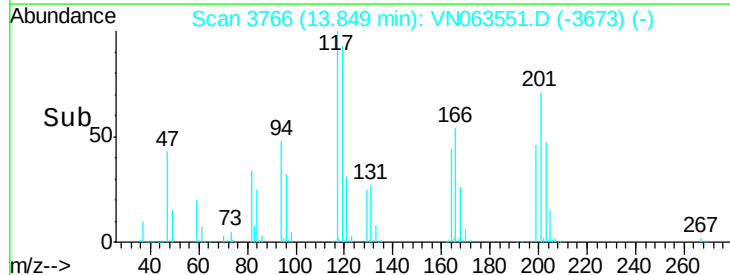
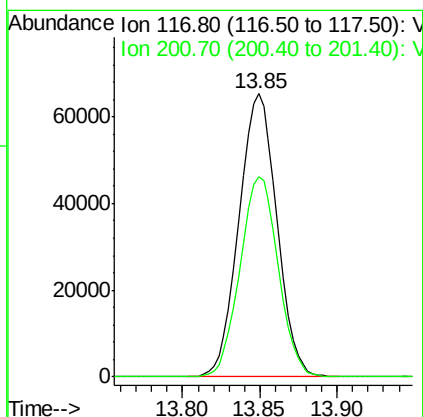
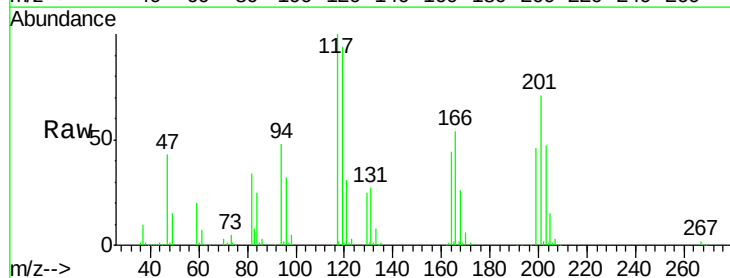
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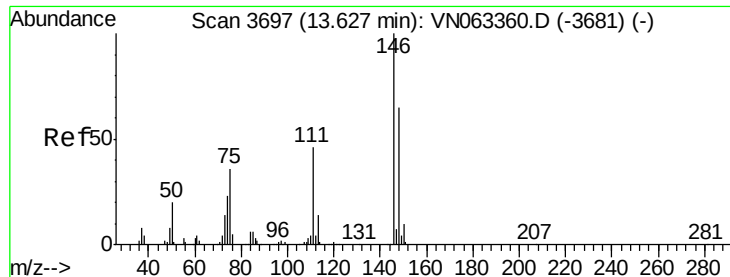
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#90
Hexachloroethane
Concen: 45.193 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.1	35.5	106.7





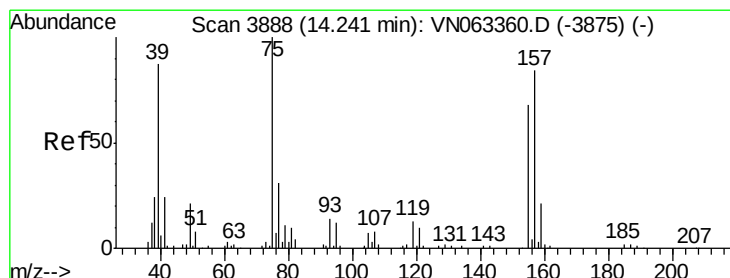
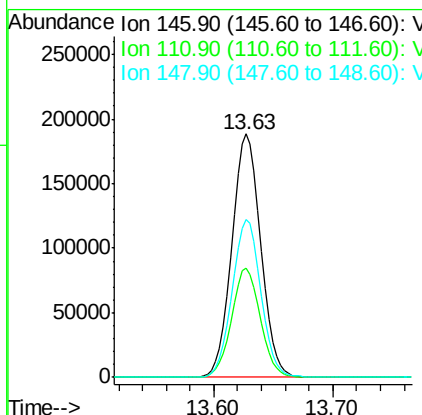
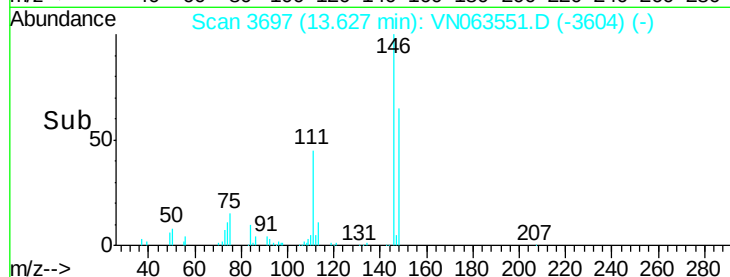
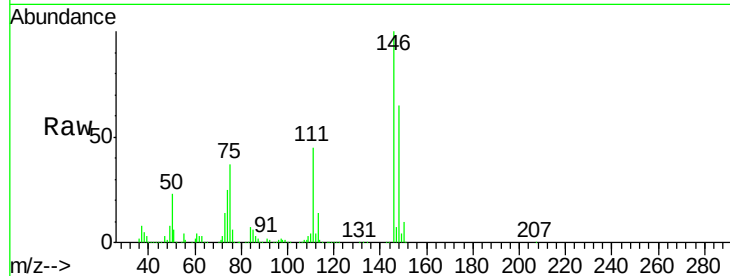
#91
 1,2-Dichlorobenzene
 Concen: 48.561 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.4	67.2
148	64.6	32.0	96.0

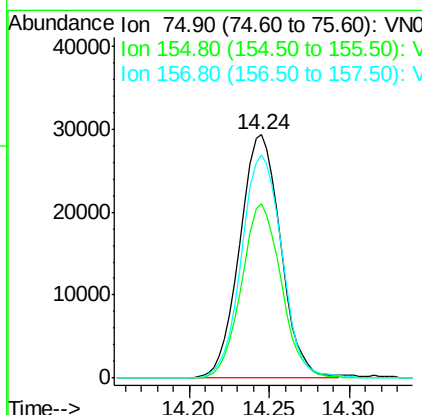
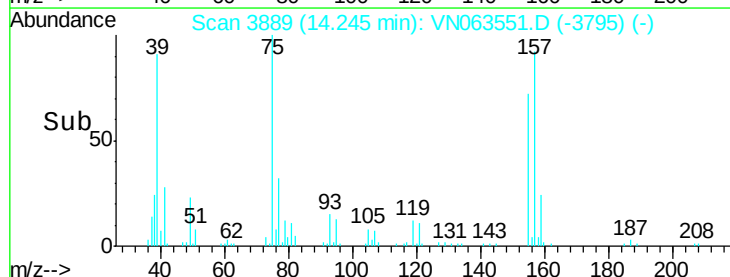
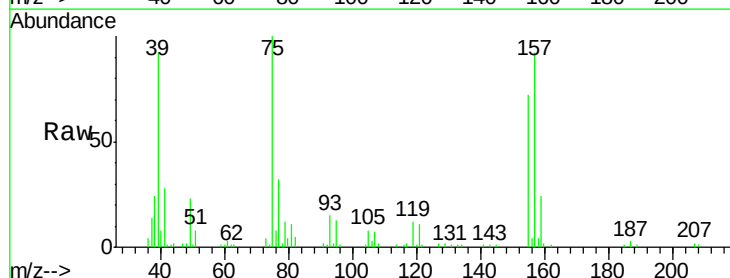
Manual Integrations
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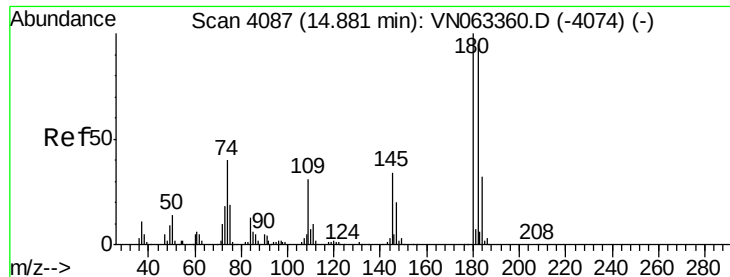
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.624 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.2	34.6	103.9
157	90.5	43.7	131.1





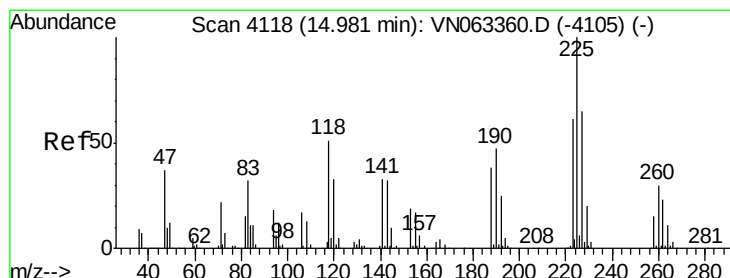
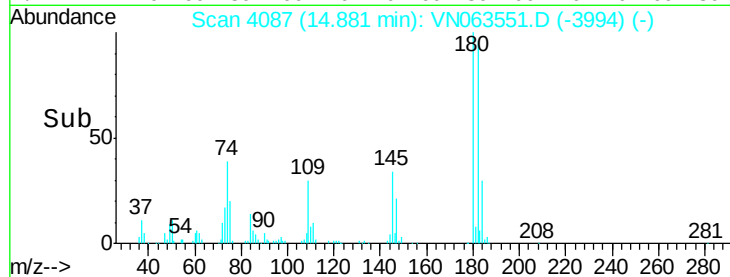
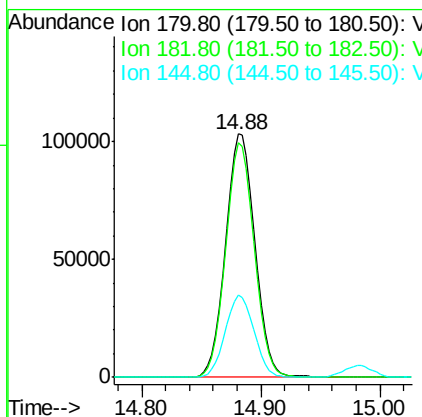
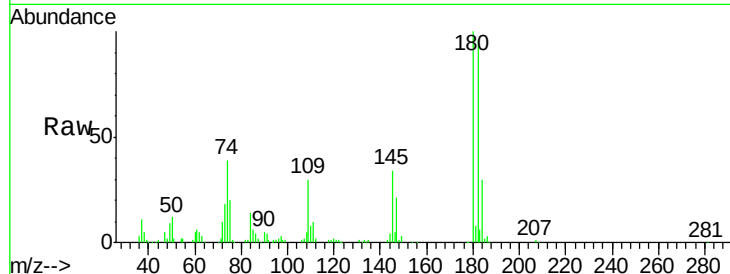
#93
 1,2,4-Trichlorobenzene
 Concen: 45.874 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	176408		
182	93.8	47.3	142.0	
145	33.1	16.6	49.7	

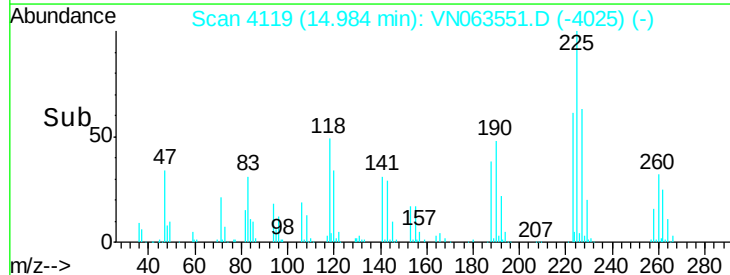
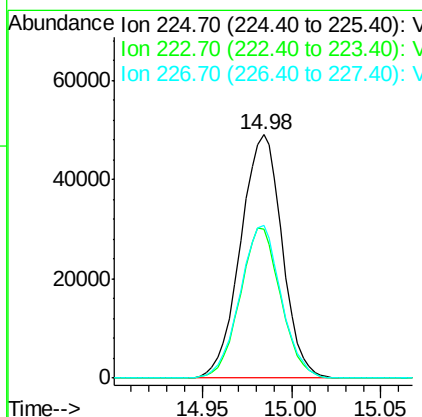
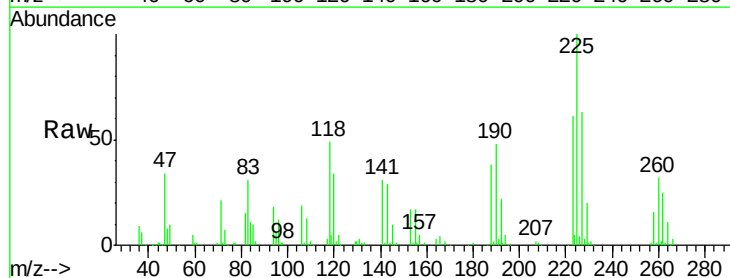
Manual Integrations
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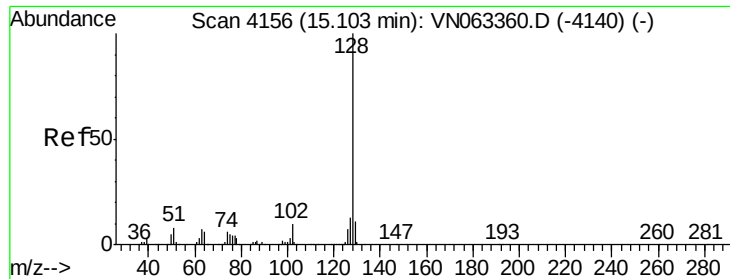
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#94
 Hexachlorobutadiene
 Concen: 50.146 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063551.D
 Acq: 22 Sep 2020 22:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79832		
223	60.3	30.6	91.6	
227	62.3	31.2	93.6	





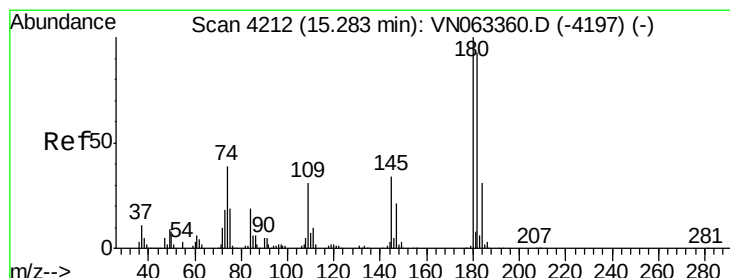
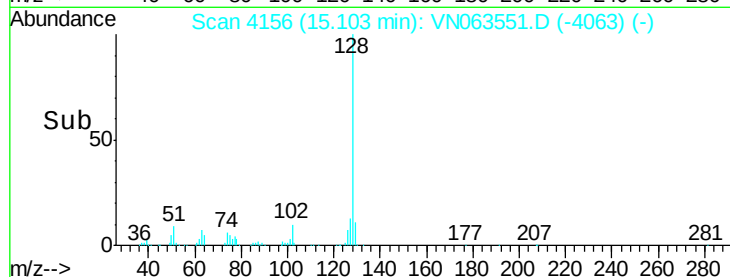
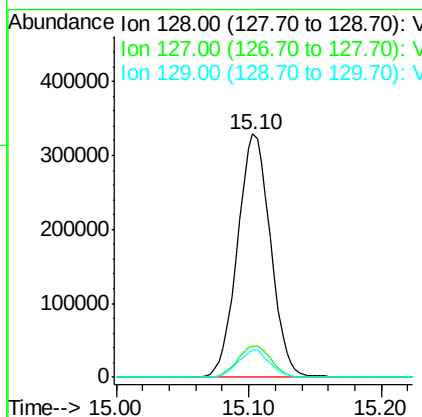
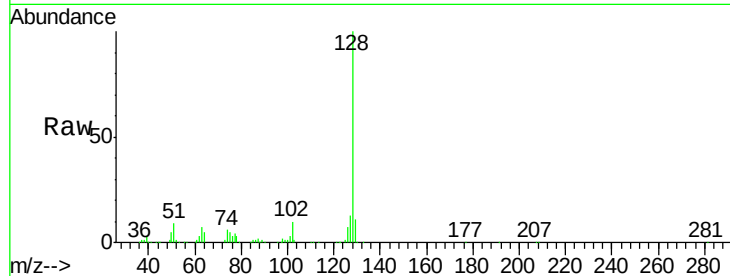
#95
Naphthalene
Concen: 44.810 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.9	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 45.436 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN063551.D
Acq: 22 Sep 2020 22:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.7	140.1
145	34.9	16.8	50.3

