

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082420\
 Data File : VN063087.D
 Acq On : 24 Aug 2020 11:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/25/2020 12:14:45 PM

Quant Time: Aug 24 13:56:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	197681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	286656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	277421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	136383	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	115389	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
35) Dibromofluoromethane	7.55	113	95293	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
50) Toluene-d8	10.06	98	367679	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.37	95	130393	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	123723	47.917	ug/l	99
3) Chloromethane	2.03	50	130434	48.122	ug/l	100
4) Vinyl Chloride	2.16	62	128599	49.060	ug/l	98
5) Bromomethane	2.52	94	77359	49.721	ug/l	99
6) Chloroethane	2.66	64	76791	49.618	ug/l	98
7) Trichlorofluoromethane	2.98	101	157518	48.187	ug/l	99
8) Diethyl Ether	3.37	74	53688	46.426	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	80473	45.686	ug/l	98
10) Methyl Iodide	3.91	142	104080	46.616	ug/l	100
11) Tert butyl alcohol	4.73	59	53920	162.478	ug/l	100
12) 1,1-Dichloroethene	3.69	96	70902	42.254	ug/l	96
13) Acrolein	3.57	56	6580	63.292	ug/l	98
14) Allyl chloride	4.27	41	131807	44.550	ug/l	98
15) Acrylonitrile	4.93	53	237318	243.303	ug/l	100
16) Acetone	3.77	43	223412	306.681	ug/l	98
17) Carbon Disulfide	4.00	76	182027	41.421	ug/l	97
18) Methyl Acetate	4.28	43	111167	47.746	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	294777	50.373	ug/l	98
20) Methylene Chloride	4.50	84	96061	46.409	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	79471	45.256	ug/l	98
22) Diisopropyl ether	5.90	45	336131	50.065	ug/l	97
23) Vinyl Acetate	5.84	43	1085668	239.631	ug/l	100
24) 1,1-Dichloroethane	5.80	63	174151	46.419	ug/l	99
25) 2-Butanone	6.78	43	302366	243.090	ug/l	98
26) 2,2-Dichloropropane	6.77	77	142828	48.408	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	101857	46.277	ug/l	99
28) Bromochloromethane	7.15	49	97007	49.417	ug/l	99
29) Tetrahydrofuran	7.17	42	187757	233.884	ug/l	99
30) Chloroform	7.33	83	176738	46.775	ug/l	99
31) Cyclohexane	7.61	56	151938	44.001	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	143462	46.507	ug/l	98
36) 1,1-Dichloropropene	7.75	75	118919	47.075	ug/l	99
37) Ethyl Acetate	6.88	43	110335	46.613	ug/l	99
38) Carbon Tetrachloride	7.73	117	120598	47.287	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	142255	41.969	ug/l	99
40) Benzene	8.00	78	379737	47.395	ug/l	100
41) Methacrylonitrile	7.12	41	56534	50.129	ug/l #	94
42) 1,2-Dichloroethane	8.08	62	133067	49.463	ug/l	100
43) Isopropyl Acetate	8.12	43	188258	48.007	ug/l	99
44) Trichloroethene	8.80	130	93596	46.963	ug/l	96
45) 1,2-Dichloropropane	9.08	63	112383	48.525	ug/l	97
46) Dibromomethane	9.17	93	66706	49.858	ug/l	99
47) Bromodichloromethane	9.37	83	145354	49.603	ug/l	99
48) Methyl methacrylate	9.17	41	93097	50.175	ug/l	99
49) 1,4-Dioxane	9.17	88	22103	548.360	ug/l #	93
51) 4-Methyl-2-Pentanone	9.95	43	619083	249.760	ug/l	100
52) Toluene	10.12	92	239716	49.598	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	157180	51.869	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	171774	51.673	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	103120	49.898	ug/l	100
56) Ethyl methacrylate	10.40	69	147375	46.306	ug/l	100
57) 1,3-Dichloropropane	10.68	76	170487	49.680	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	162561	211.466	ug/l	99
59) 2-Hexanone	10.72	43	445162	257.473	ug/l	99
60) Dibromochloromethane	10.87	129	114537	50.081	ug/l	99
61) 1,2-Dibromoethane	10.98	107	101805	51.268	ug/l	98
64) Tetrachloroethene	10.60	164	83900	46.008	ug/l	97
65) Chlorobenzene	11.41	112	267242	47.965	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	104915	48.412	ug/l	99
67) Ethyl Benzene	11.48	91	465170	49.410	ug/l	100
68) m/p-Xylenes	11.60	106	357298	102.113	ug/l	99
69) o-Xylene	11.92	106	169962	50.583	ug/l	100
70) Styrene	11.94	104	307171	46.218	ug/l	100
71) Bromoform	12.10	173	86109	49.919	ug/l #	100
73) Isopropylbenzene	12.22	105	456007	48.825	ug/l	100
74) N-amyl acetate	12.05	43	173289	51.806	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	151349	50.227	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	127194m	47.980	ug/l	
77) Bromobenzene	12.50	156	124449	48.449	ug/l	98
78) n-propylbenzene	12.57	91	530414	49.826	ug/l	100
79) 2-Chlorotoluene	12.65	91	316300	47.238	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	385542	49.937	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	50203	52.011	ug/l	99
82) 4-Chlorotoluene	12.75	91	339820	49.841	ug/l	100
83) tert-Butylbenzene	12.97	119	322068	48.332	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	377949	50.250	ug/l	98
85) sec-Butylbenzene	13.15	105	421303	46.781	ug/l	100
86) p-Isopropyltoluene	13.26	119	375367	47.836	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	216004	48.931	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	216754	48.377	ug/l	99
89) n-Butylbenzene	13.59	91	292705	39.946	ug/l	99
90) Hexachloroethane	13.85	117	73226	43.904	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	209156	49.050	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	24527	52.145	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	96570	41.687	ug/l	99
94) Hexachlorobutadiene	14.98	225	59181	37.559	ug/l	100
95) Naphthalene	15.10	128	226145	42.511	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	92080	40.553	ug/l	100

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

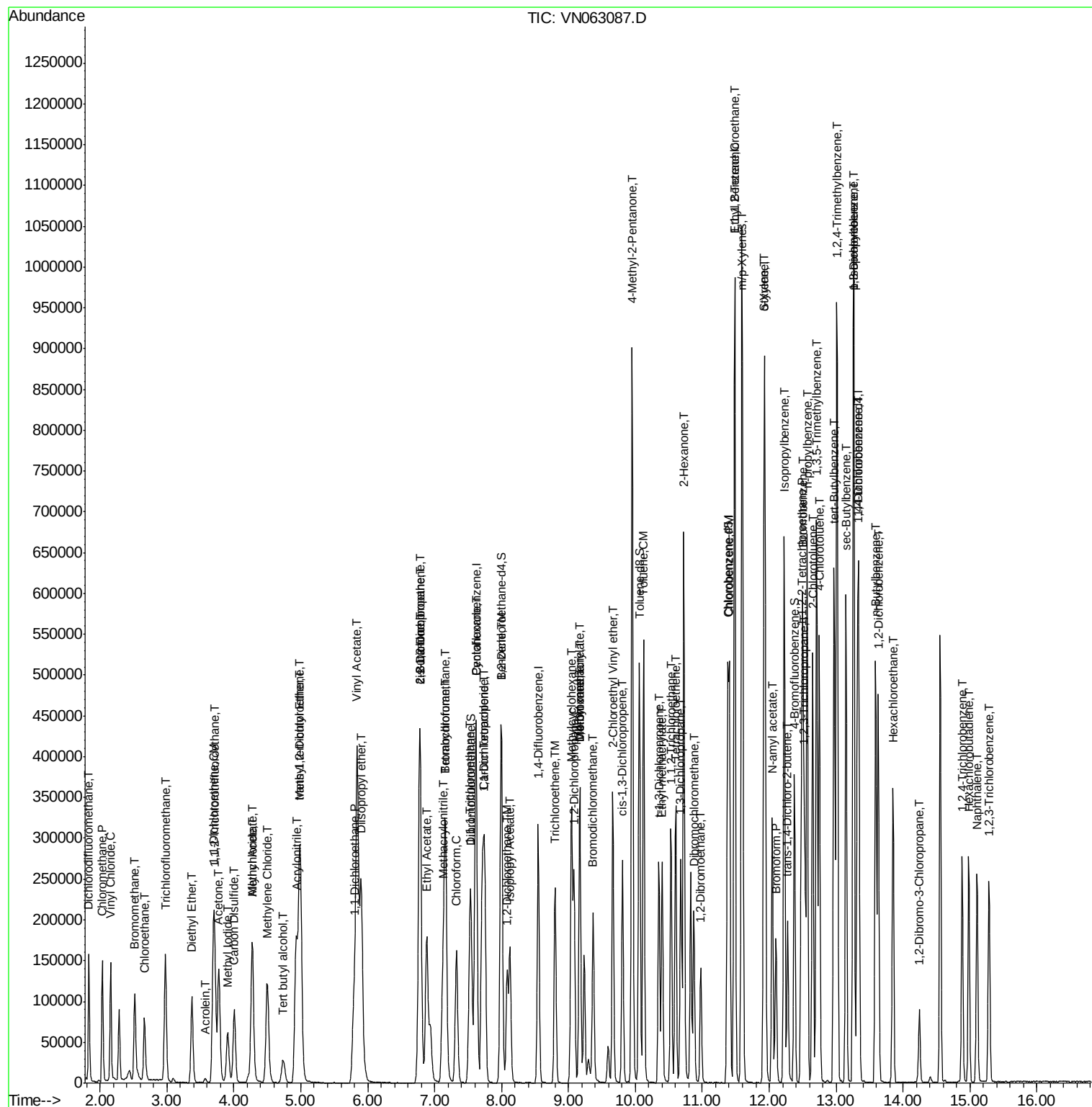
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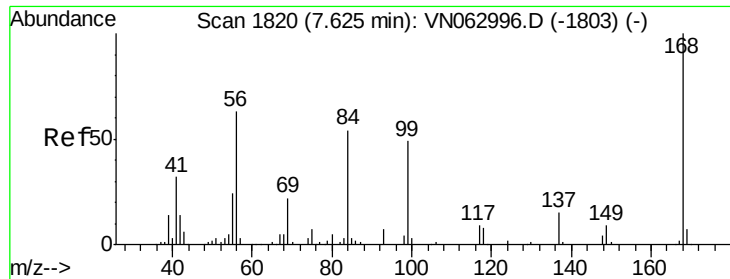
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 197681

Ion Ratio Lower Upper

168 100

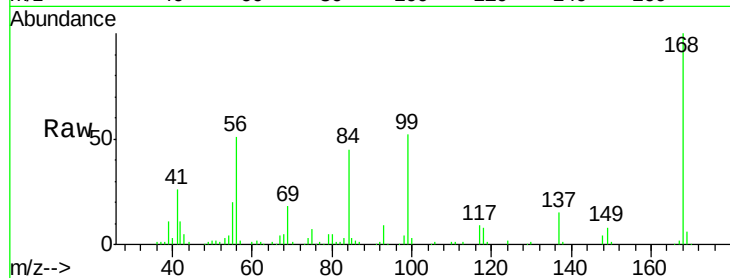
99 51.9 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

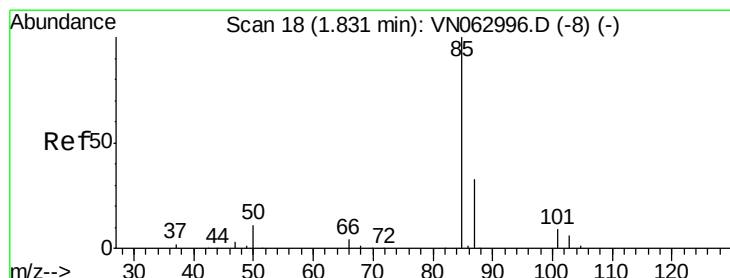
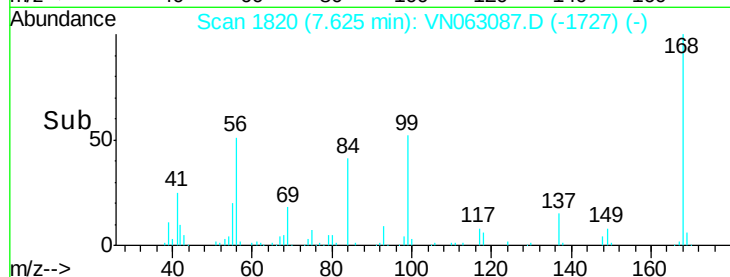
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 47.917 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN063087.D

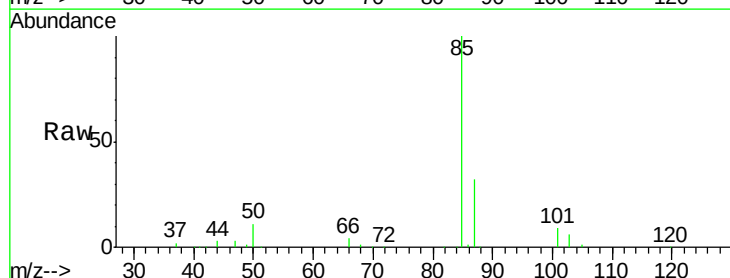
Acq: 24 Aug 2020 11:43

Tgt Ion: 85 Resp: 123723

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

100000

80000

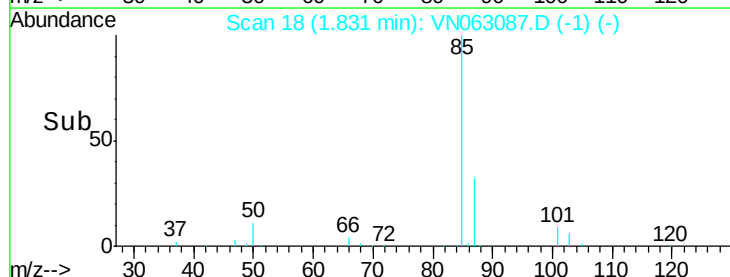
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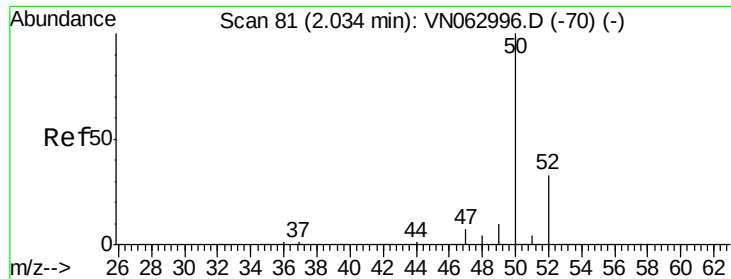
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 48.122 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 130434

Ion Ratio Lower Upper

50 100

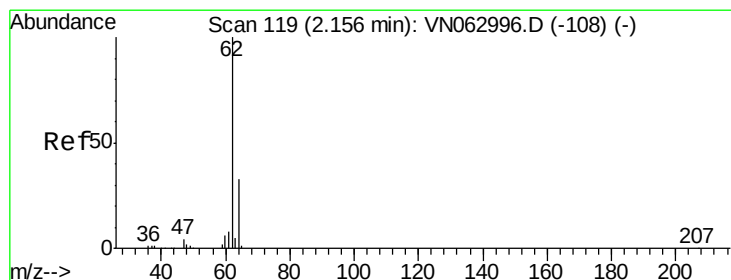
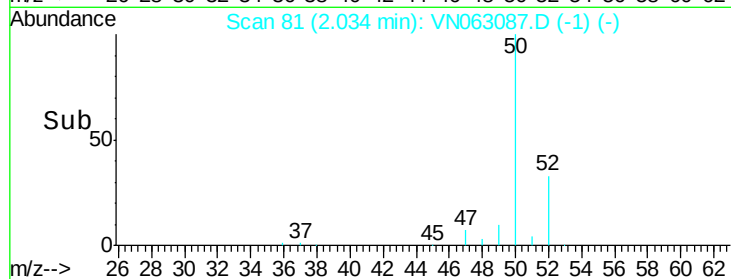
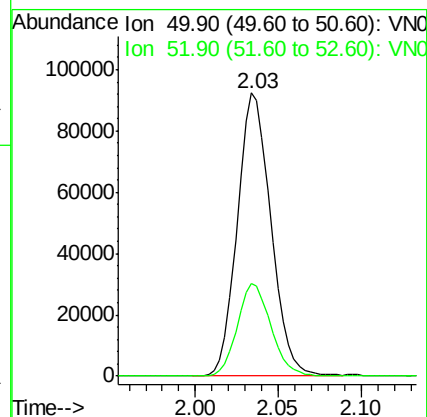
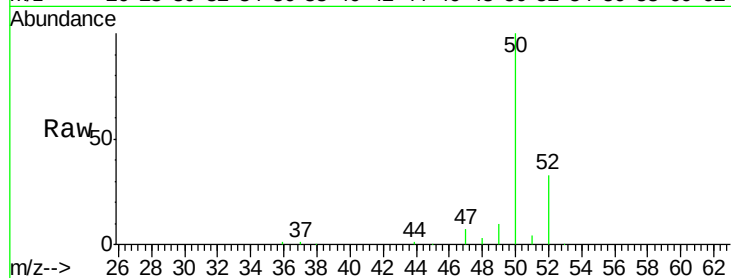
52 32.7 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.060 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN063087.D

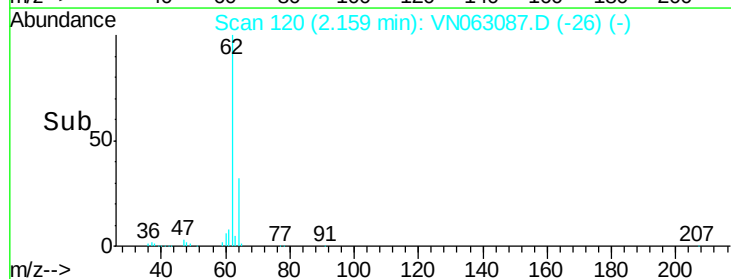
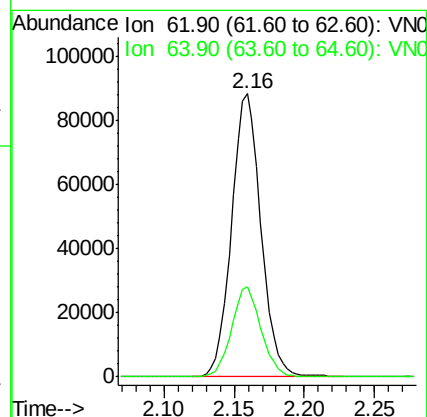
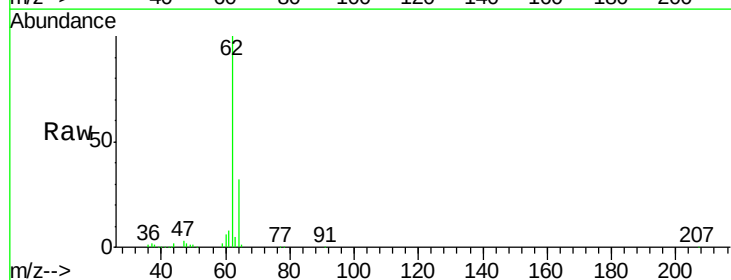
Acq: 24 Aug 2020 11:43

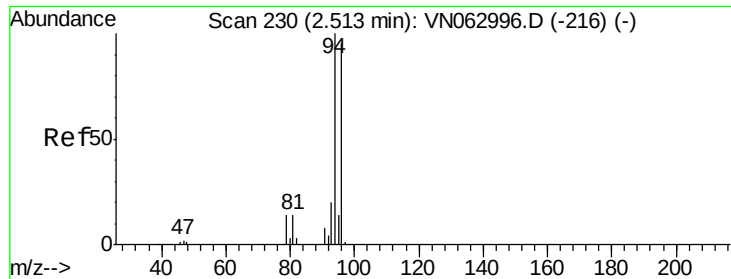
Tgt Ion: 62 Resp: 128599

Ion Ratio Lower Upper

62 100

64 31.6 26.2 39.2





#5

Bromomethane

Concen: 49.721 ug/l

RT: 2.52 min Scan# 232

Delta R.T. 0.01 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 77359

Ion Ratio Lower Upper

94 100

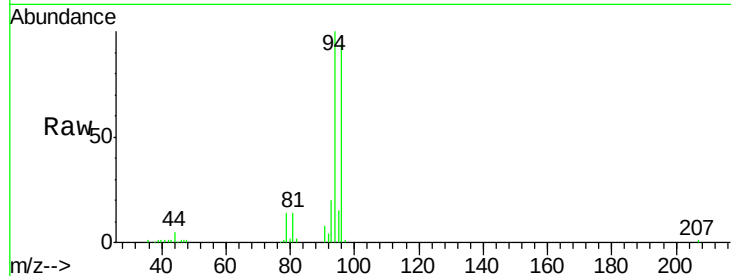
96 93.9 75.8 113.8

Manual Integrations

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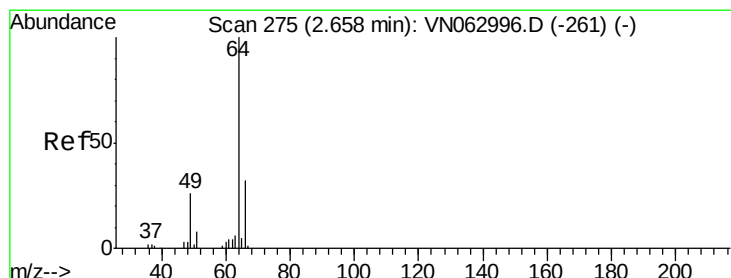
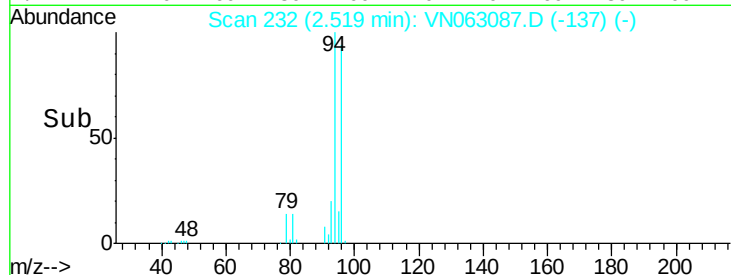
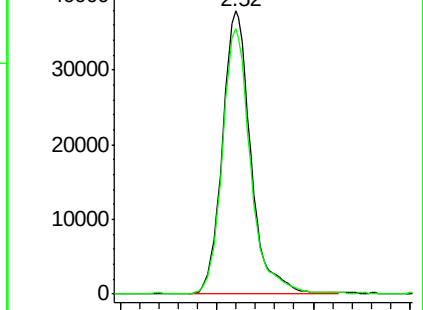
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.618 ug/l

RT: 2.66 min Scan# 277

Delta R.T. 0.01 min

Lab File: VN063087.D

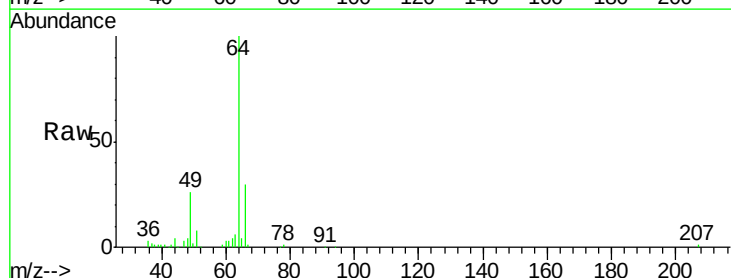
Acq: 24 Aug 2020 11:43

Tgt Ion: 64 Resp: 76791

Ion Ratio Lower Upper

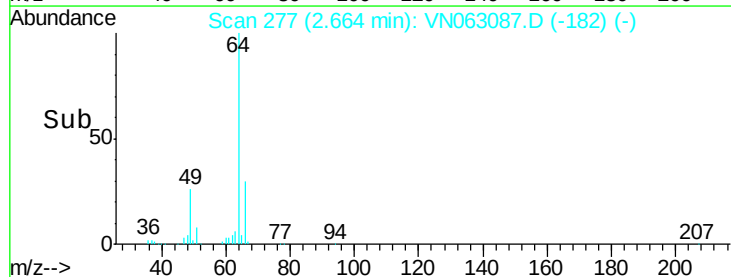
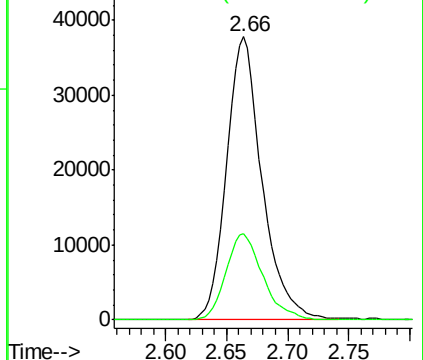
64 100

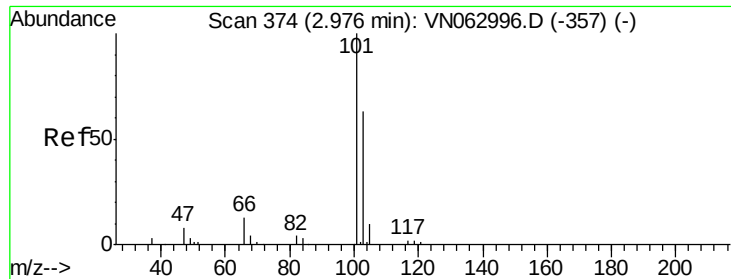
66 30.4 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

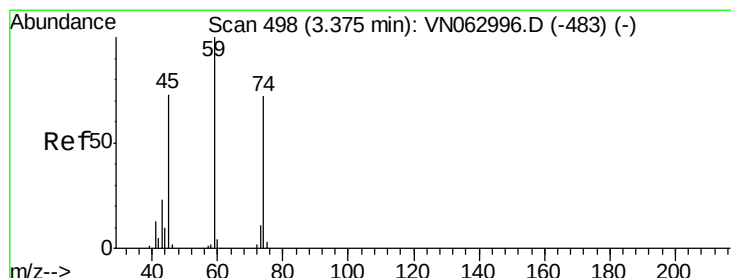
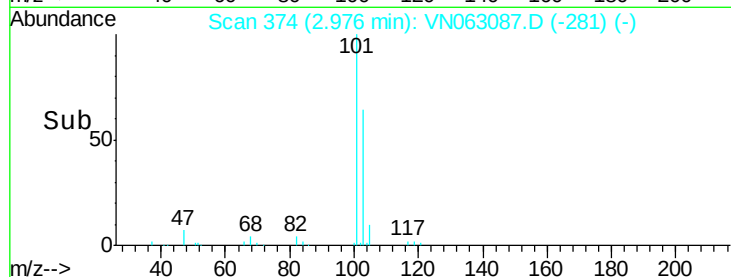
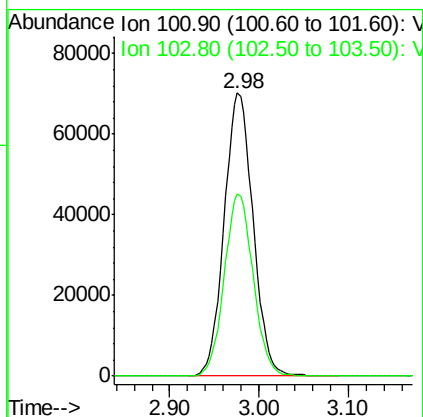
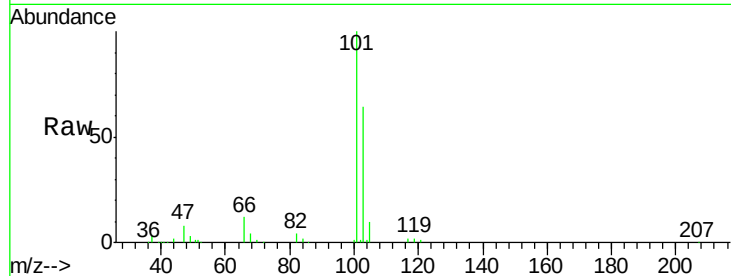
Trichlorofluoromethane
Concen: 48.187 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN063087.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	157518		
103	64.3	50.5	75.7	

Manual Integrations
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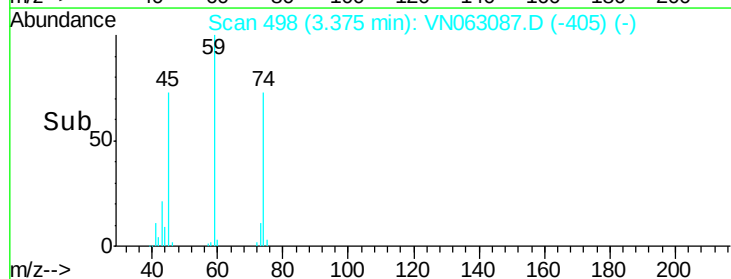
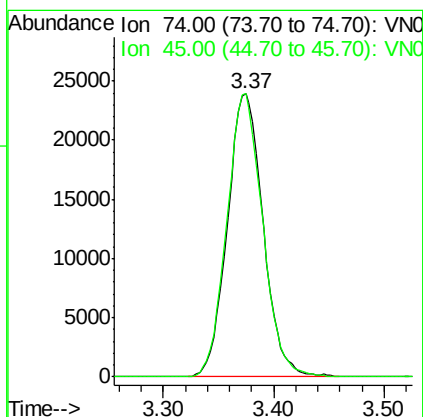
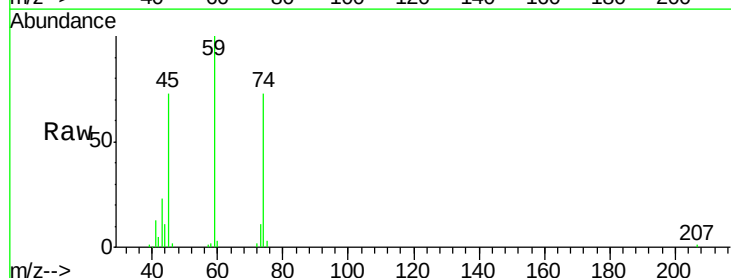
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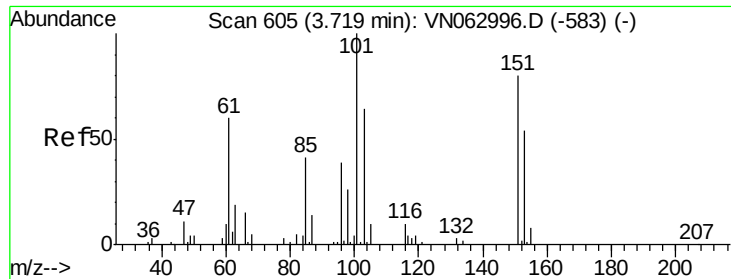


#8

Diethyl Ether
Concen: 46.426 ug/l
RT: 3.37 min Scan# 498
Delta R.T. -0.00 min
Lab File: VN063087.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	53688		
45	100.1	49.9	149.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.686 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Instrument :

MSVOA_N

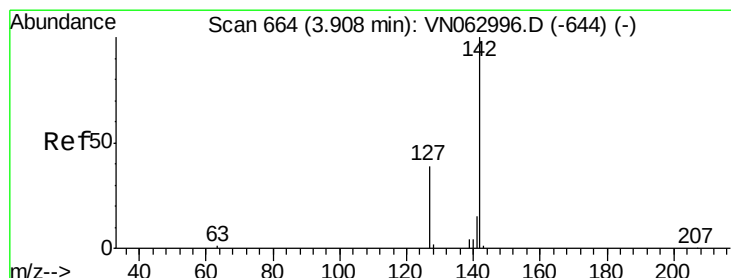
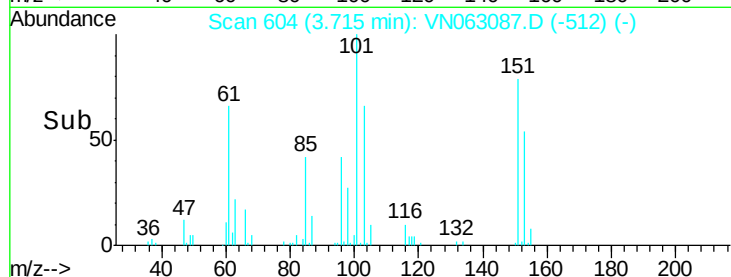
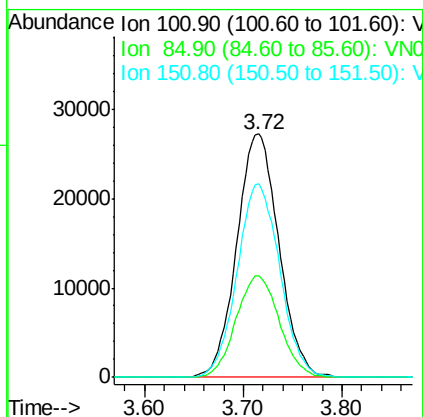
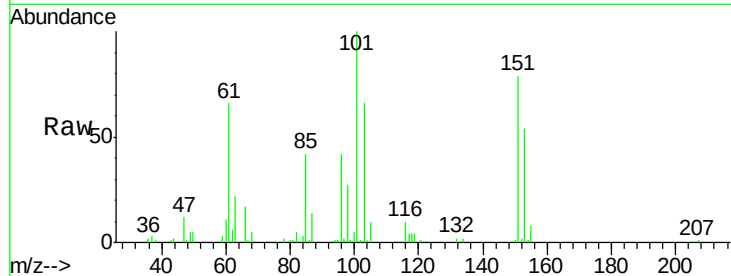
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	80473
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.0	51.0
151	80.3	65.8	98.8

Manual Integrations
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#10

Methyl Iodide

Concen: 46.616 ug/l

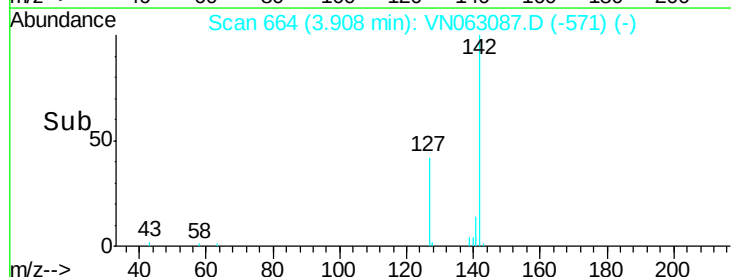
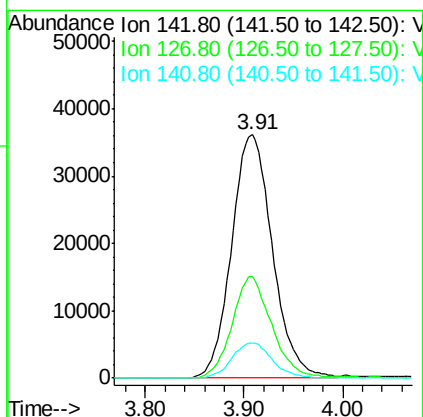
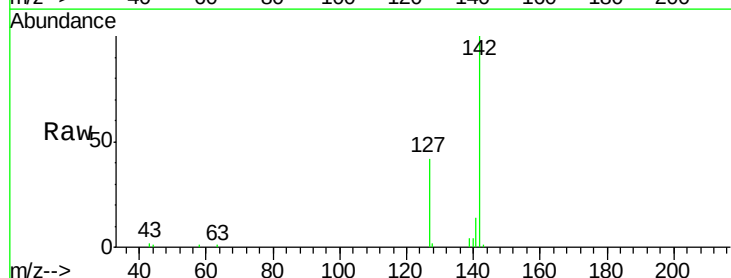
RT: 3.91 min Scan# 664

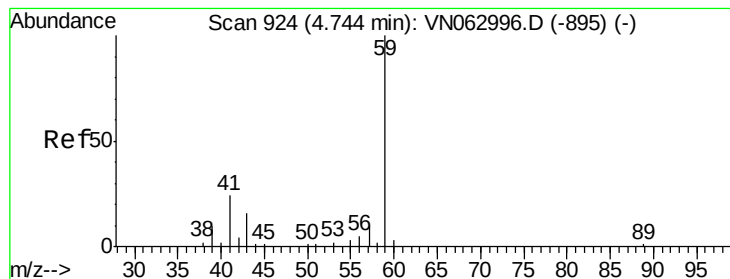
Delta R.T. 0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Tgt Ion:	142	Resp:	104080
Ion Ratio	Lower	Upper	
142	100		
127	40.3	32.2	48.4
141	14.1	11.3	16.9





#11

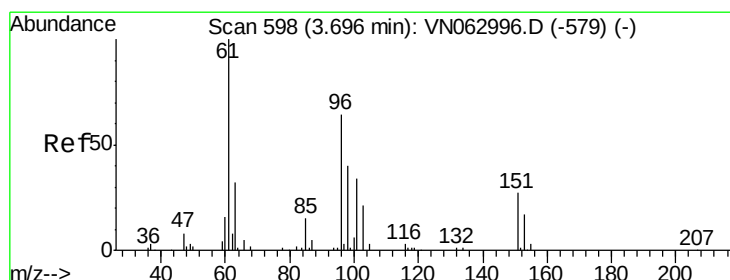
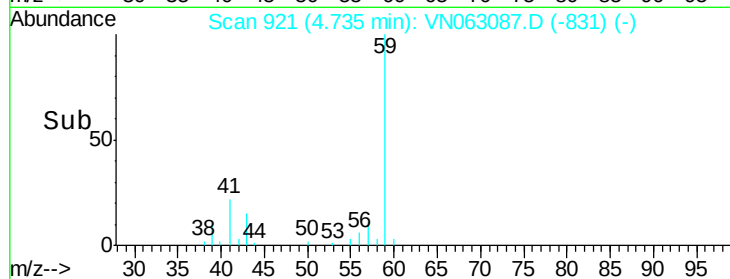
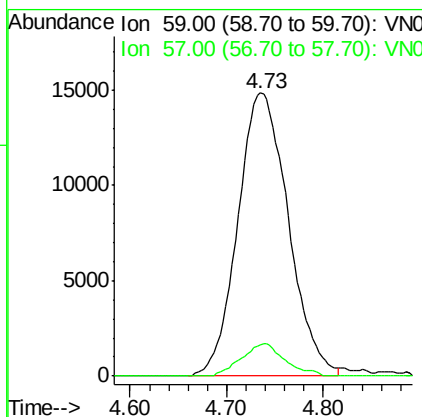
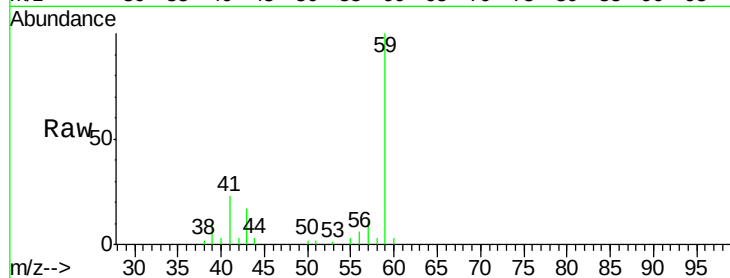
Tert butyl alcohol
 Concen: 162.478 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.6

Manual Integrations
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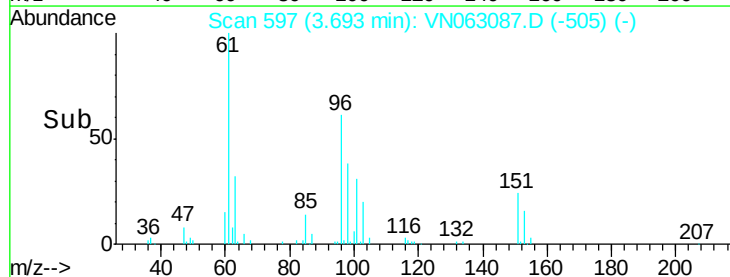
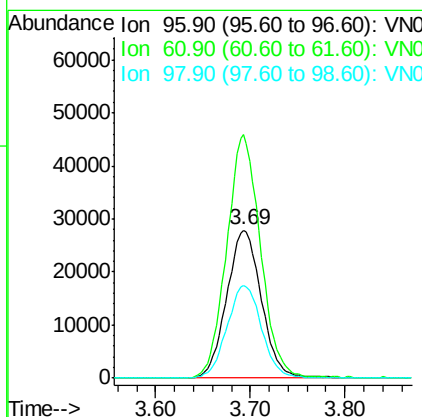
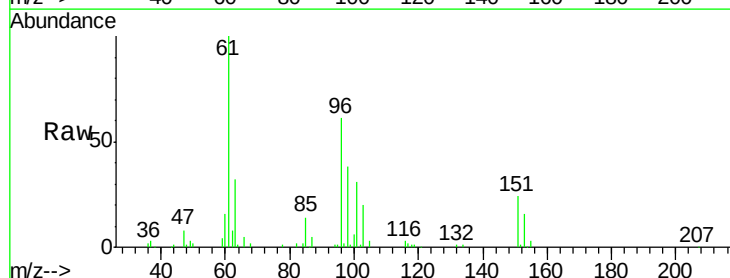
MMDadoda
 8/25/2020 12:14:45 PM

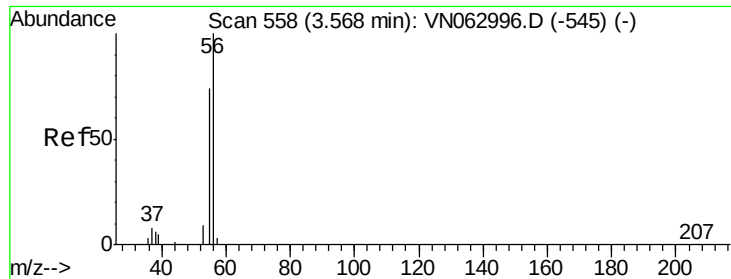


#12

1,1-Dichloroethene
 Concen: 42.254 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.5	125.5	188.3
98	62.8	50.4	75.6





#13

Acrolein

Concen: 63.292 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 6580

Ion Ratio Lower Upper

56 100

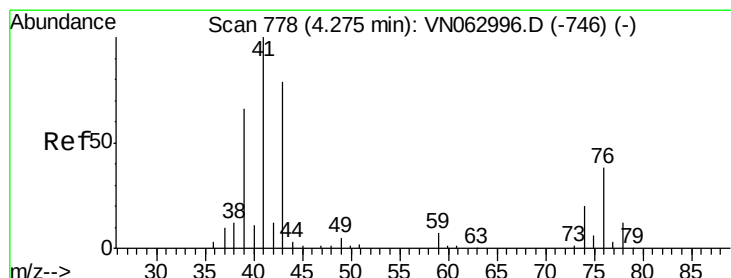
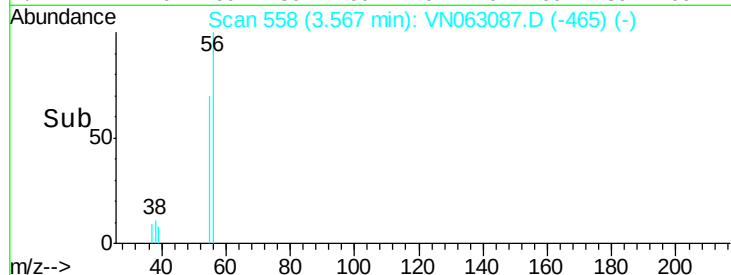
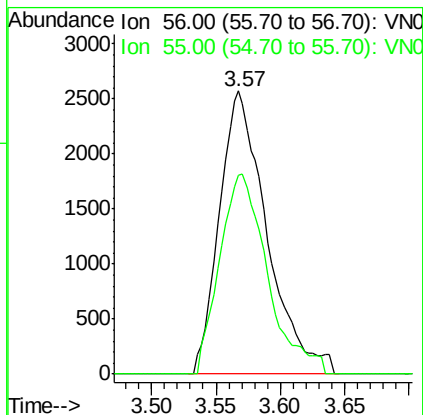
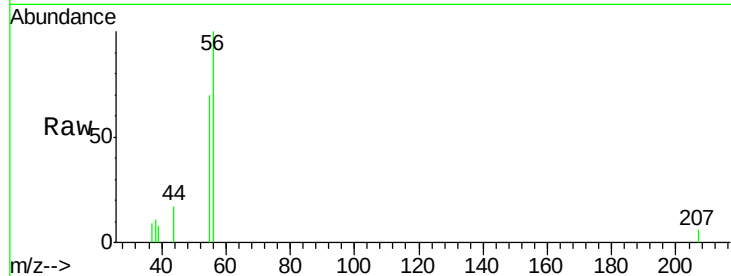
55 71.1 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 44.550 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

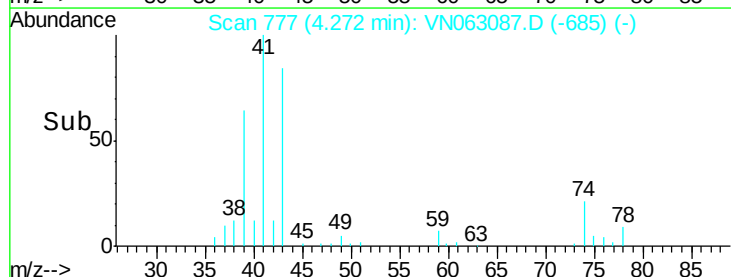
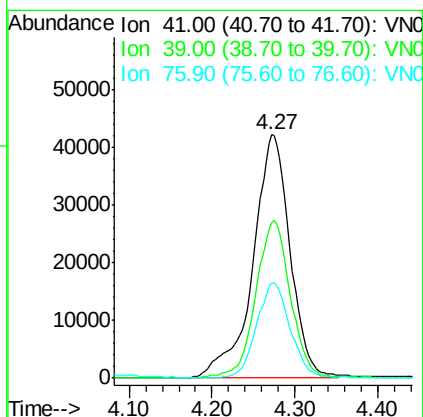
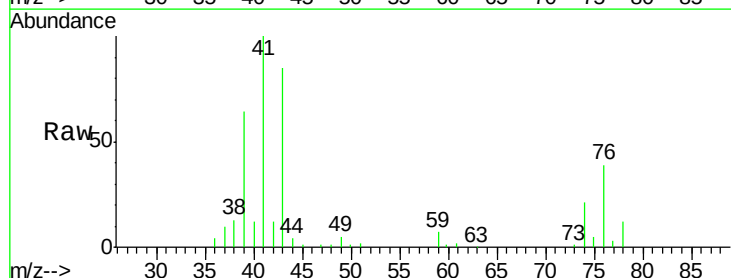
Tgt Ion: 41 Resp: 131807

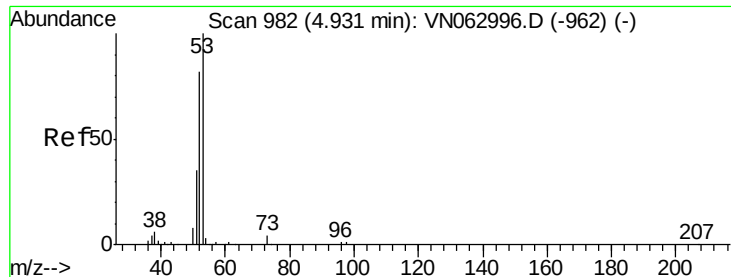
Ion Ratio Lower Upper

41 100

39 60.6 47.9 71.9

76 35.3 27.0 40.6





#15

Acrylonitrile

Concen: 243.303 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Instrument :

MSVOA_N

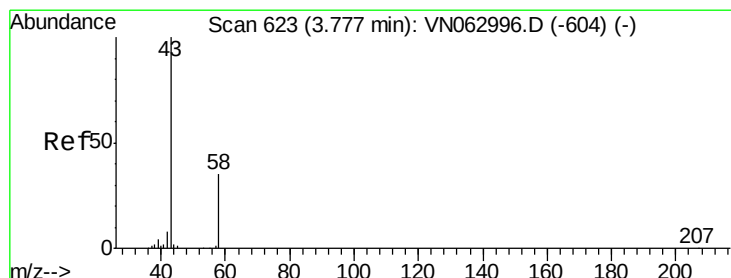
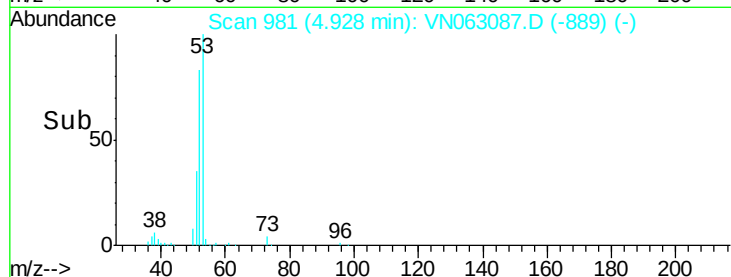
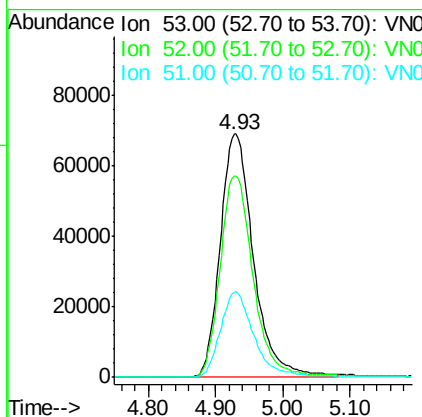
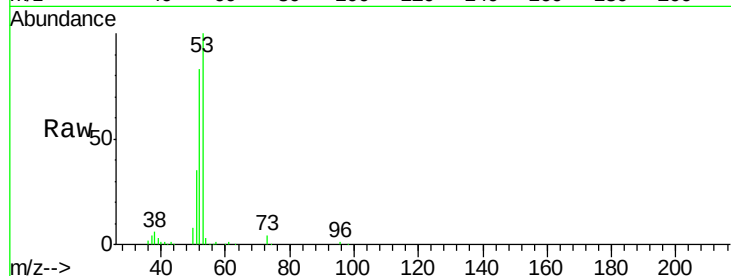
ClientSampleId :

VSTDCCC050

Tot Ion	53	Resp	237318
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.6	98.4
51	35.7	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 306.681 ug/l

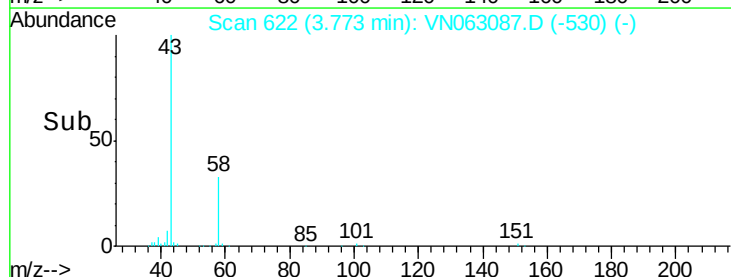
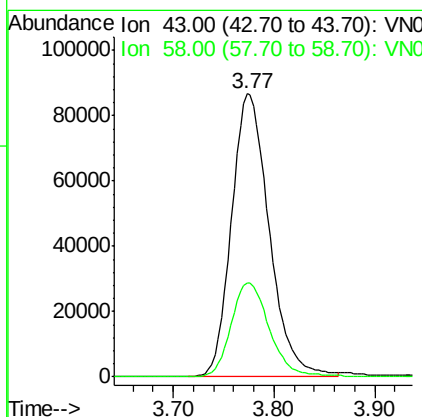
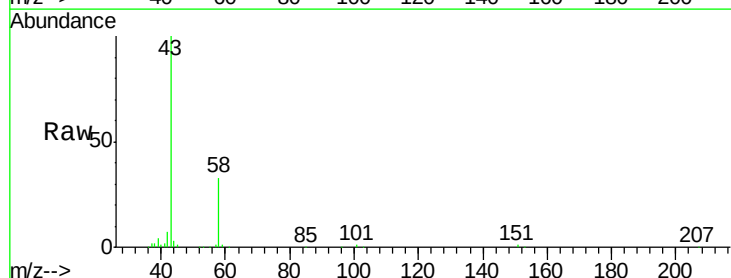
RT: 3.77 min Scan# 622

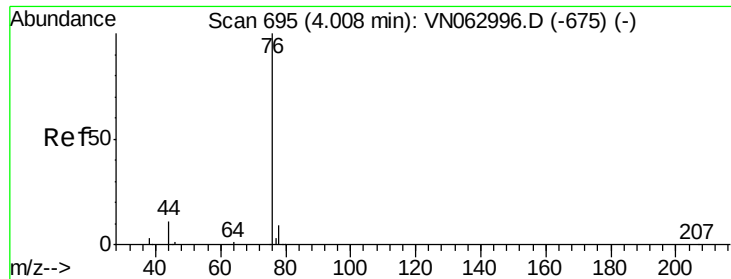
Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Tgt Ion	43	Resp	223412
Ion	Ratio	Lower	Upper
43	100		
58	33.4	27.8	41.6





#17

Carbon Disulfide

Concen: 41.421 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 182027

Ion Ratio Lower Upper

76 100

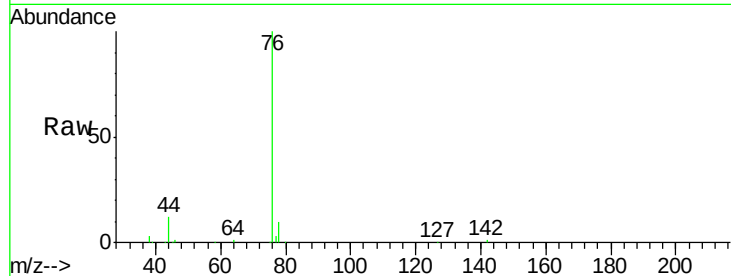
78 9.6 6.9 10.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN062996.D (-675) (-)

Ion 77.90 (77.60 to 78.60): VN062996.D (-675) (-)

4.00

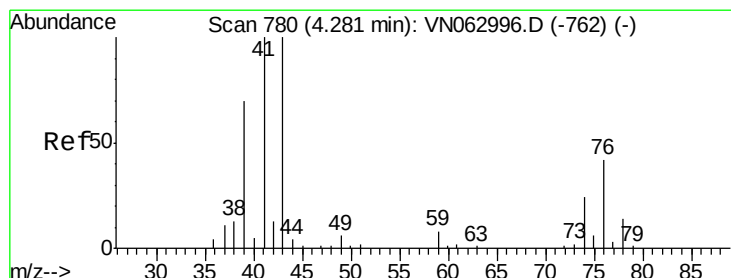
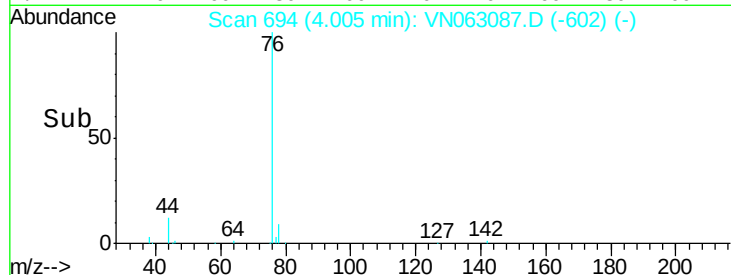
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 47.746 ug/l

RT: 4.28 min Scan# 779

Delta R.T. -0.00 min

Lab File: VN063087.D

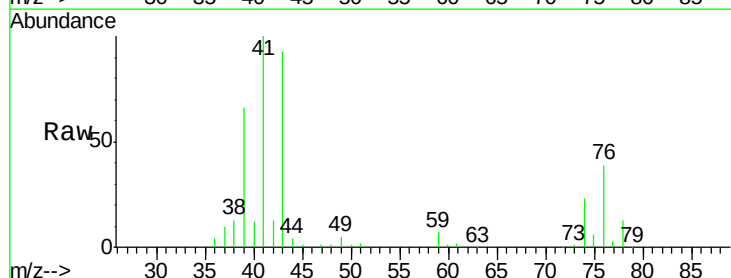
Acq: 24 Aug 2020 11:43

Tgt Ion: 43 Resp: 111167

Ion Ratio Lower Upper

43 100

74 23.1 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-762) (-)

Ion 74.00 (73.70 to 74.70): VN062996.D (-762) (-)

4.28

40000

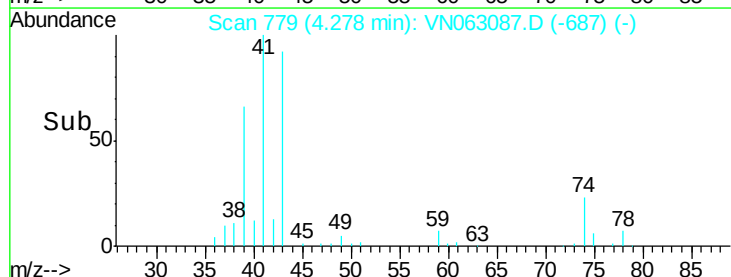
30000

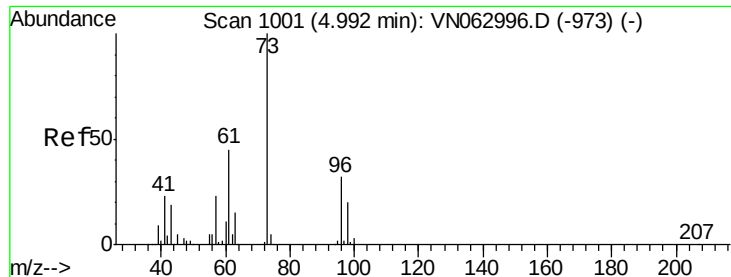
20000

10000

0

Time-->





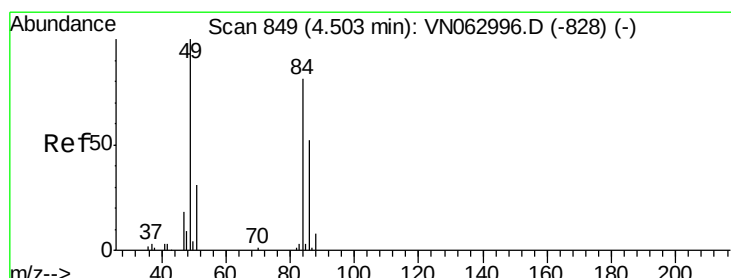
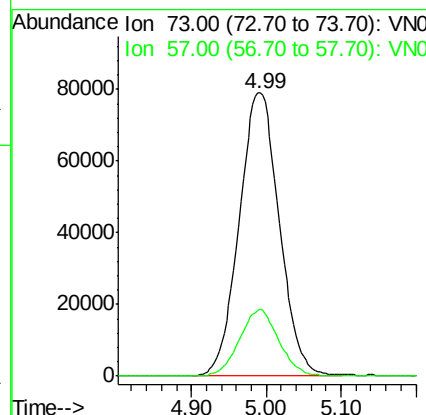
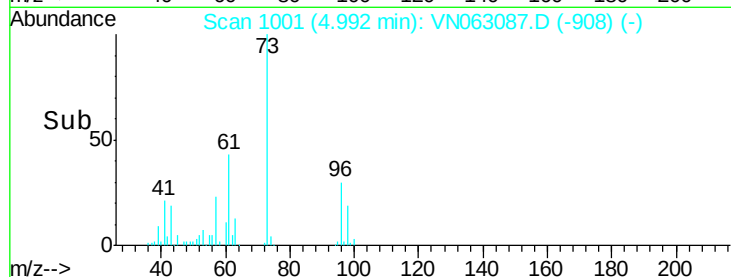
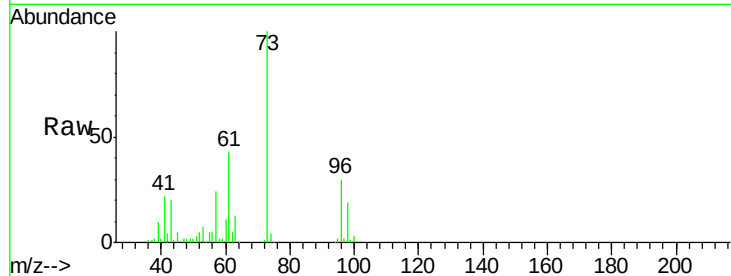
#19
Methvl tert-butvl Ether
Concen: 50.373 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 294777
Ion Ratio Lower Upper
73 100
57 23.5 18.1 27.1

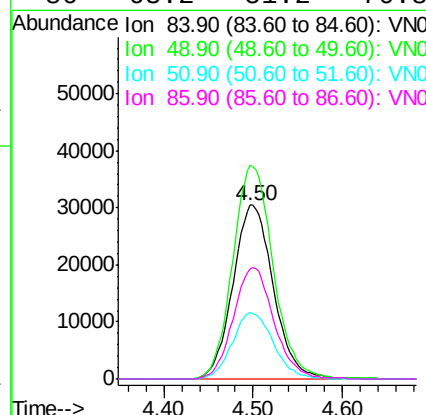
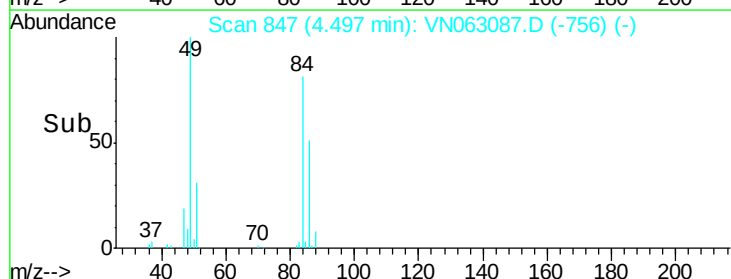
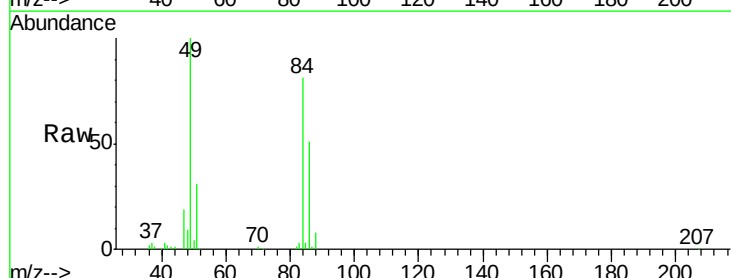
Manual Integrations
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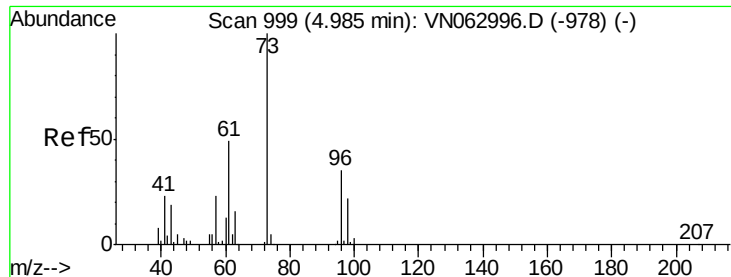
MMDadoda
8/25/2020 12:14:45 PM



#20
Methylene Chloride
Concen: 46.409 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Tgt Ion: 84 Resp: 96061
Ion Ratio Lower Upper
84 100
49 123.1 98.7 148.1
51 38.4 30.8 46.2
86 63.2 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 45.256 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Instrument :

MSVOA_N

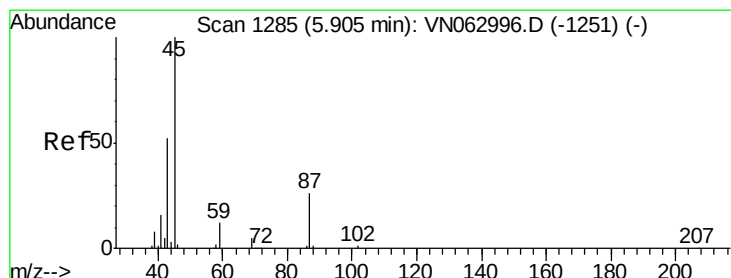
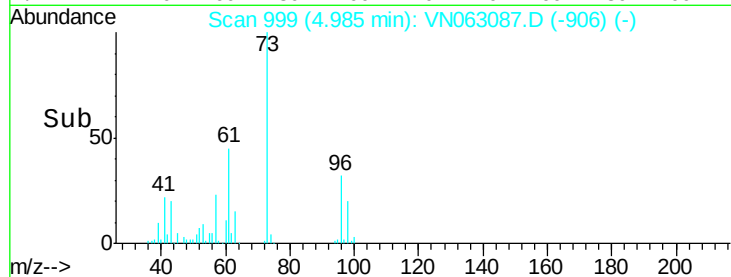
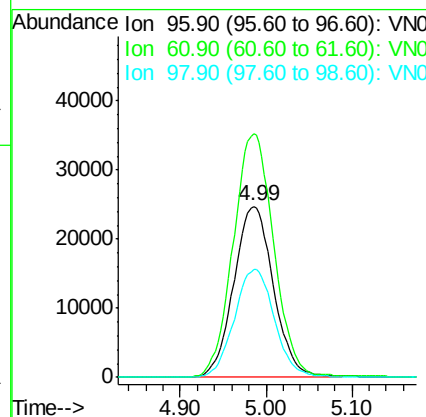
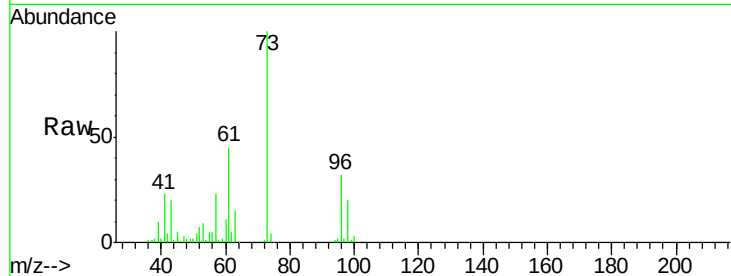
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	79471
Ion	Ratio	Lower	Upper
96	100		
61	142.5	112.5	168.7
98	63.0	49.4	74.0

Manual Integrations
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8/25/2020 12:14:45 PM



#22

Diisopropyl ether

Concen: 50.065 ug/l

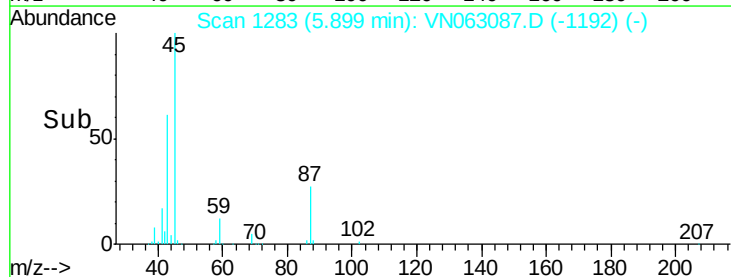
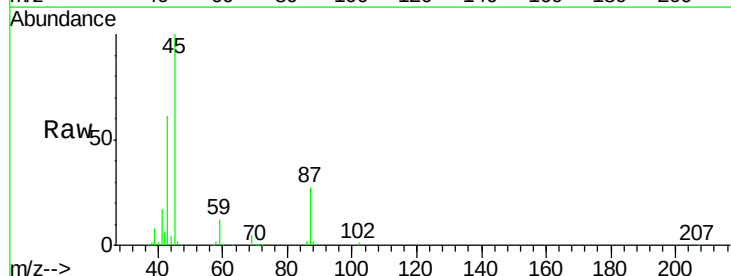
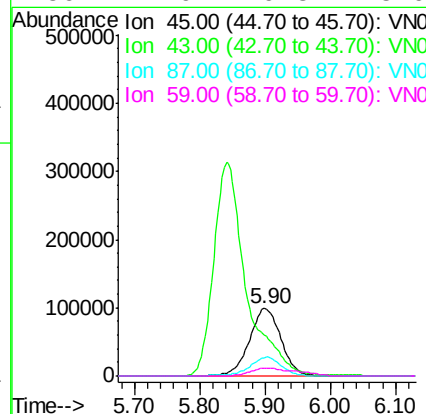
RT: 5.90 min Scan# 1283

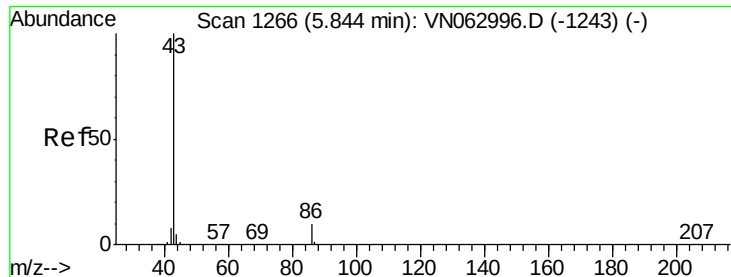
Delta R.T. -0.01 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Tgt Ion:	45	Resp:	336131
Ion	Ratio	Lower	Upper
45	100		
43	60.0	45.7	68.5
87	27.5	21.8	32.6
59	11.9	9.3	13.9





#23

Vinyl Acetate

Concen: 239.631 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1085668

Ion Ratio Lower Upper

43 100

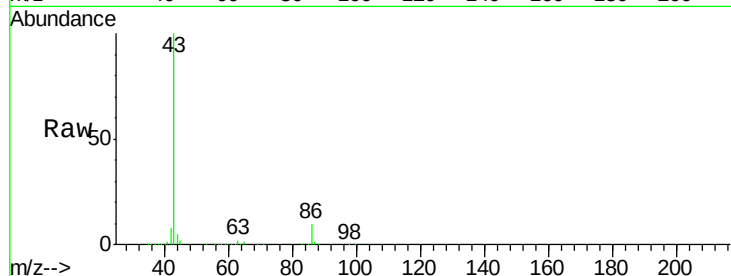
86 10.0 8.0 12.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-1243) (-)

Ion 86.00 (85.70 to 86.70): VN062996.D (-1243) (-)

5.84

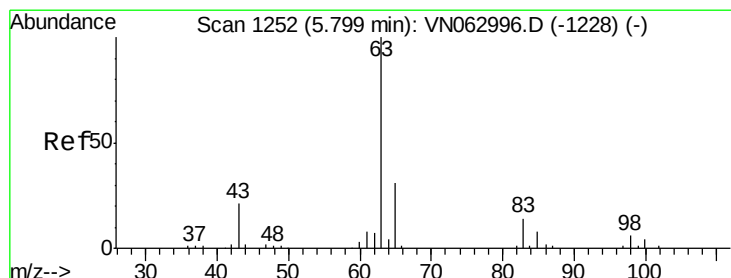
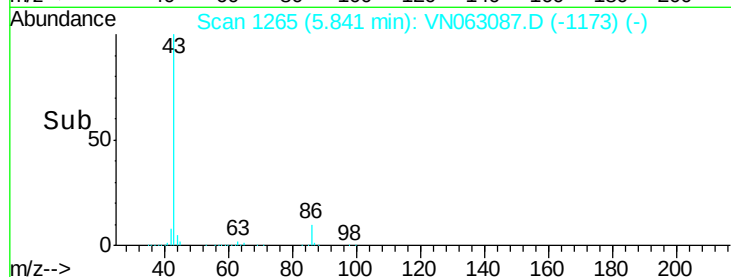
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.419 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

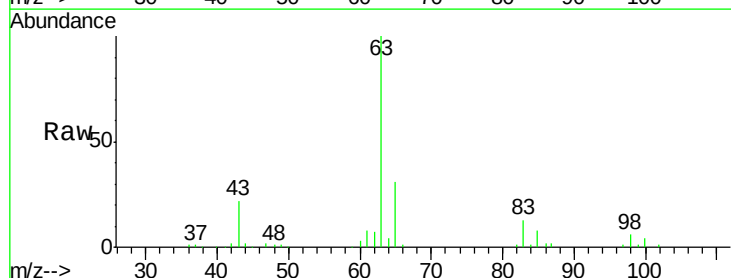
Tgt Ion: 63 Resp: 174151

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.7

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN062996.D (-1228) (-)

Ion 97.90 (97.60 to 98.60): VN062996.D (-1228) (-)

Ion 99.90 (99.60 to 100.60): VN062996.D (-1228) (-)

5.80

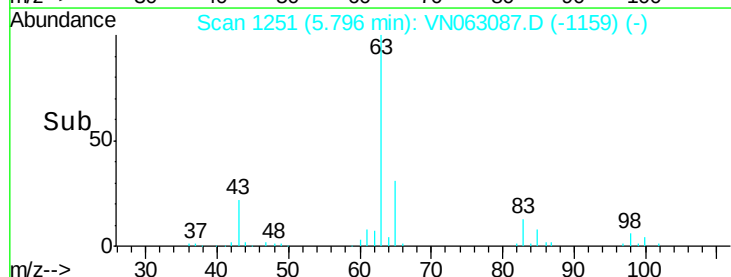
60000

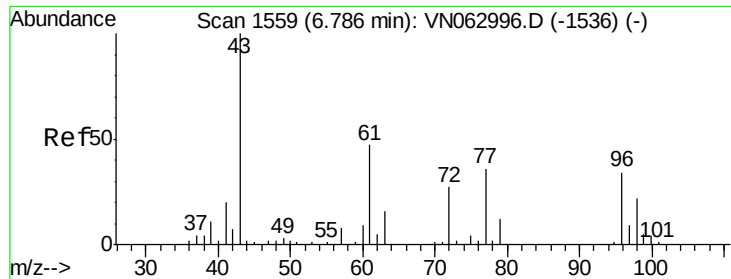
40000

20000

0

Time-->





#25

2-Butanone

Concen: 243.090 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 302366

Ion Ratio Lower Upper

43 100

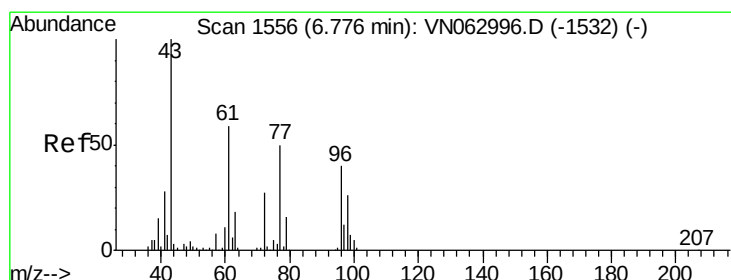
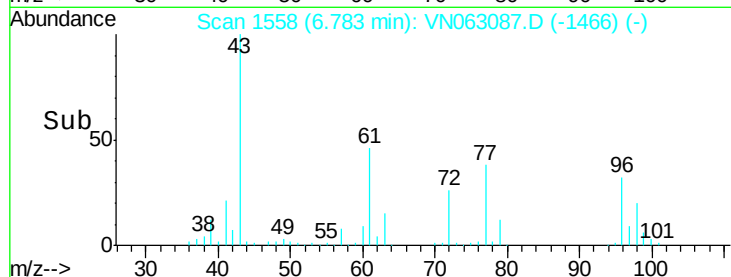
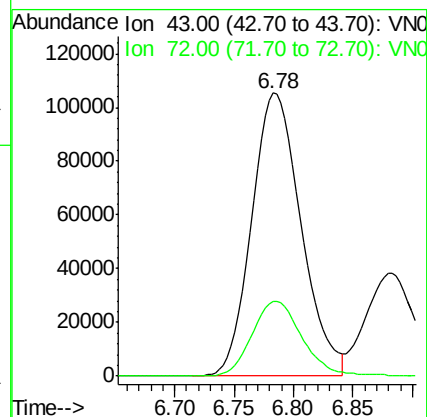
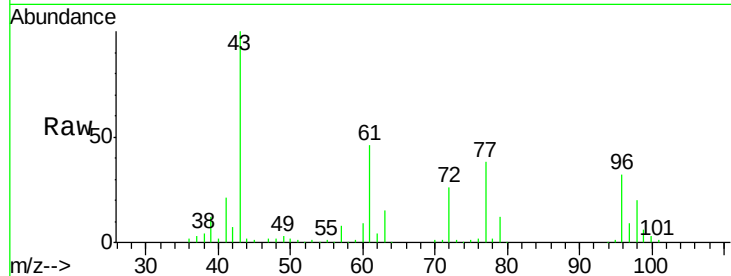
72 26.4 21.8 32.6

Manual Integrations

APPROVED

MMDadoda

8/25/2020 12:14:45 PM



#26

2,2-Dichloropropane

Concen: 48.408 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VN063087.D

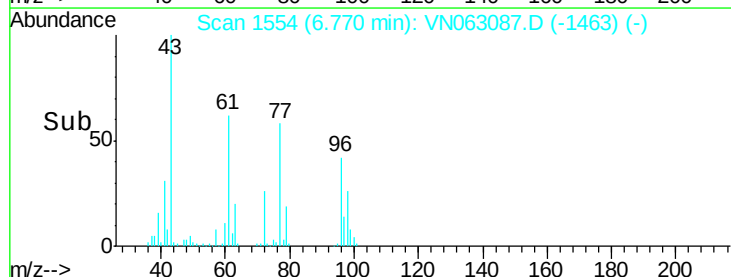
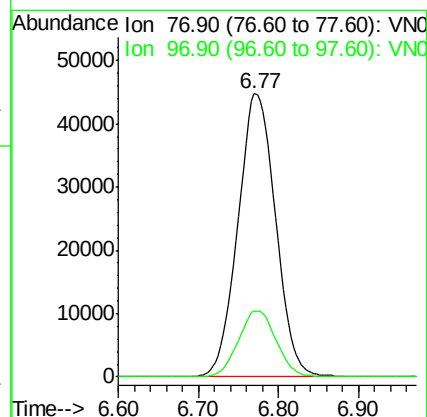
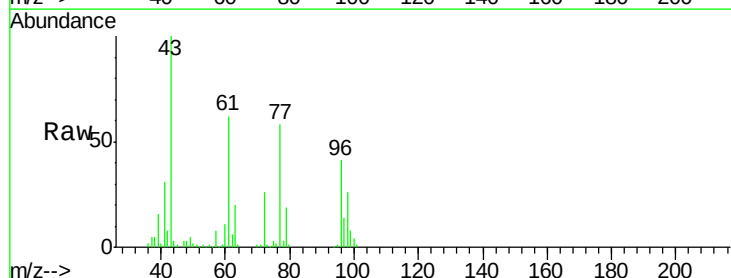
Acq: 24 Aug 2020 11:43

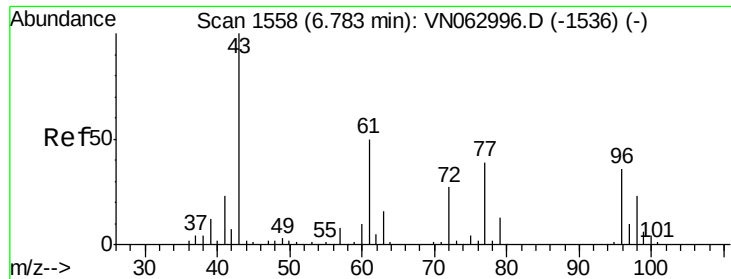
Tgt Ion: 77 Resp: 142828

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1





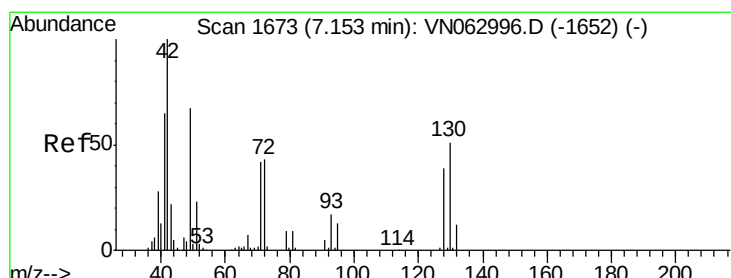
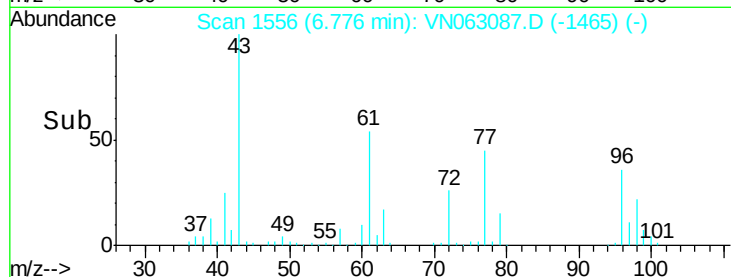
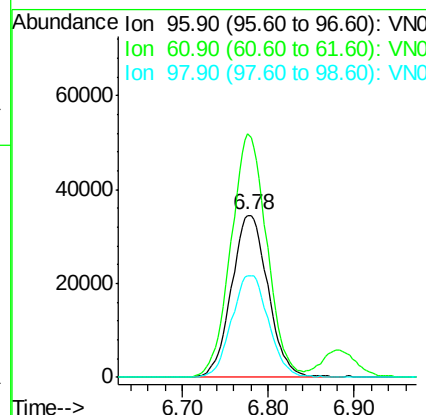
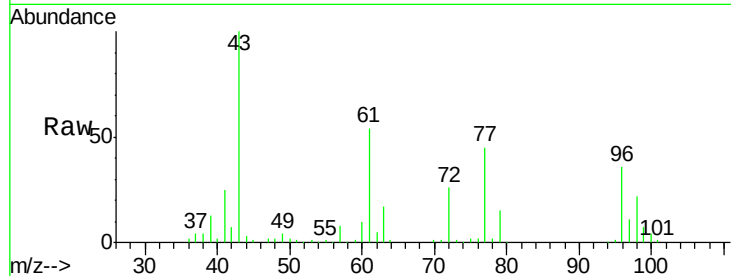
#27
 cis-1,2-Dichloroethene
 Concen: 46.277 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	147.5	0.0	292.8	
98	63.9	0.0	130.6	

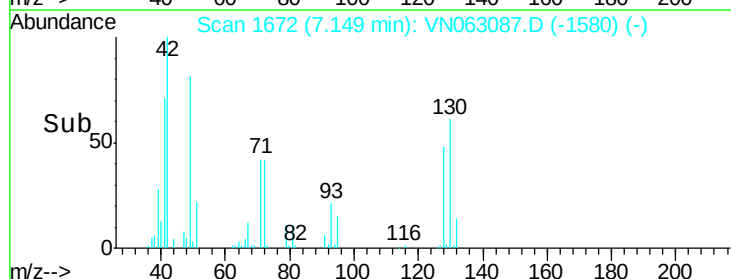
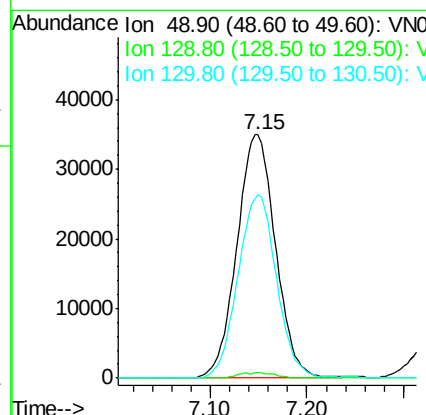
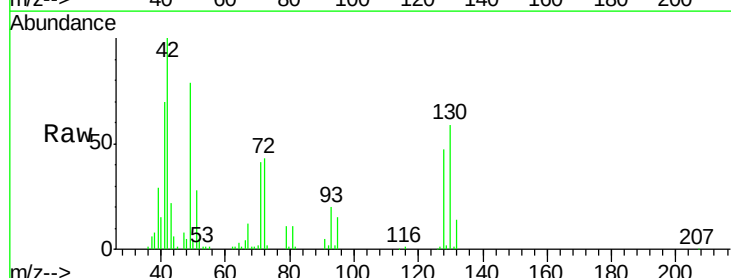
Manual Integrations
 APPROVED

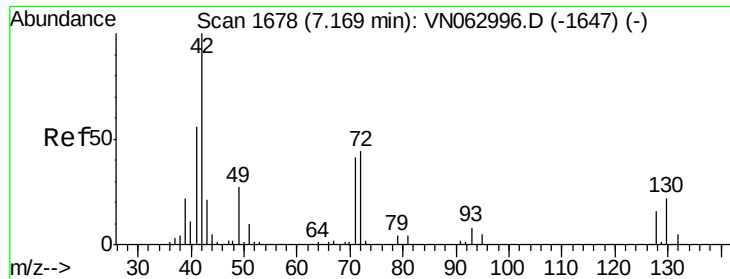
MMDadoda
 8/25/2020 12:14:45 PM



#28
 Bromochloromethane
 Concen: 49.417 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.9	0.0	3.6	
130	75.2	61.1	91.7	





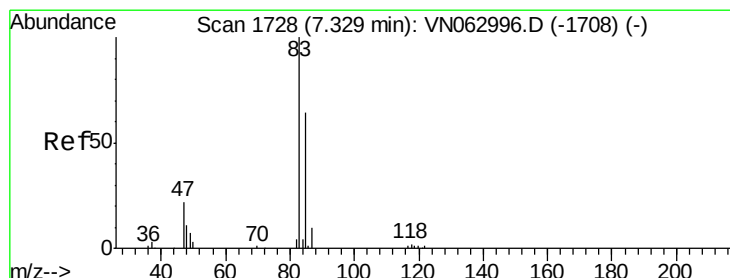
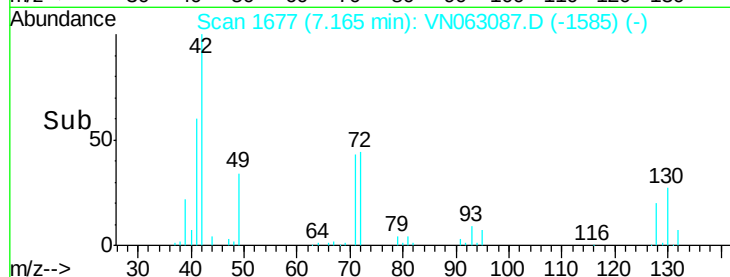
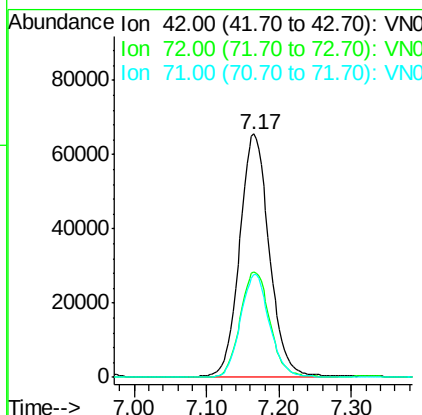
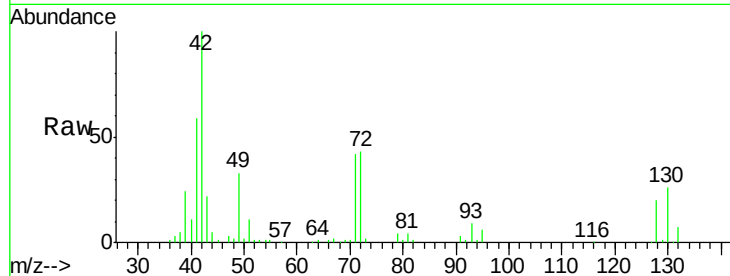
#29
Tetrahydrofuran
Concen: 233.884 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.6	52.0
71	41.2	32.3	48.5

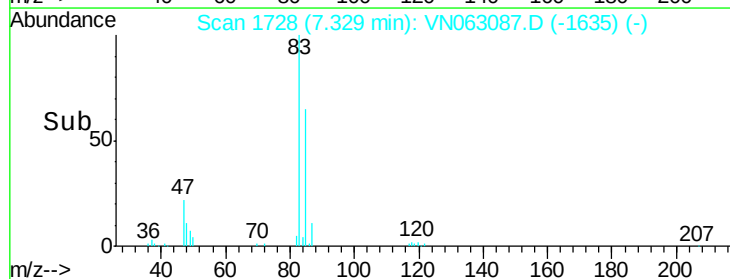
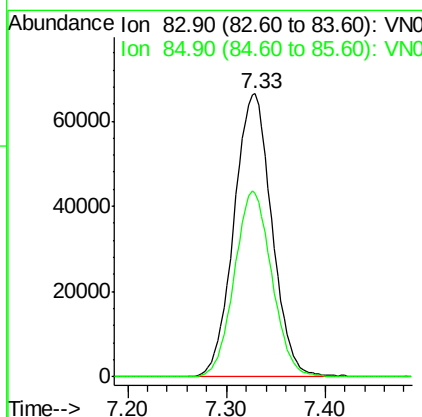
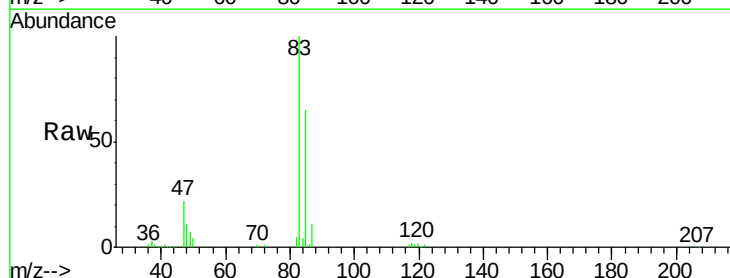
Manual Integrations
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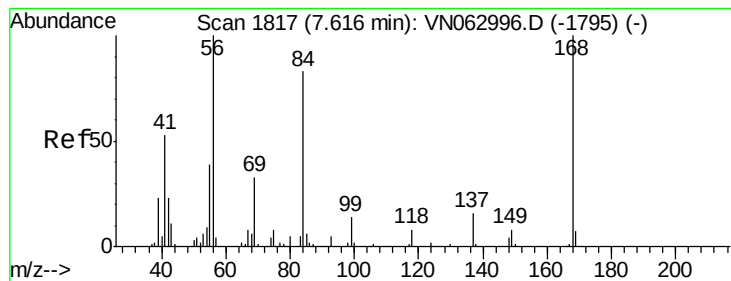
MMDadoda
8/25/2020 12:14:45 PM



#30
Chloroform
Concen: 46.775 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.5	77.3





#31

Cyclohexane

Concen: 44.001 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 151938

Ion Ratio Lower Upper

56 100

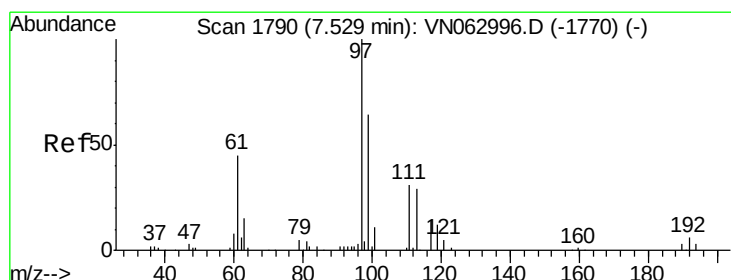
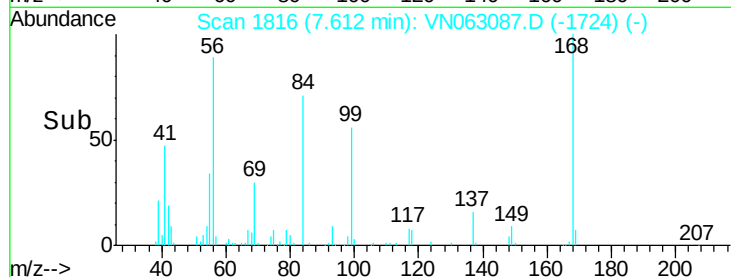
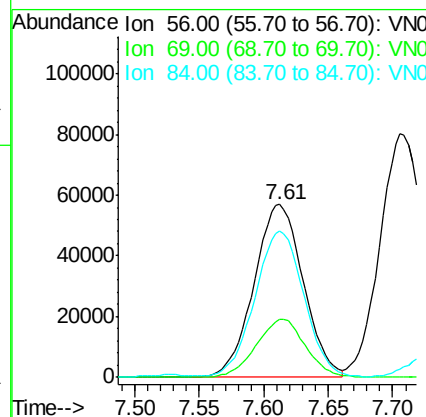
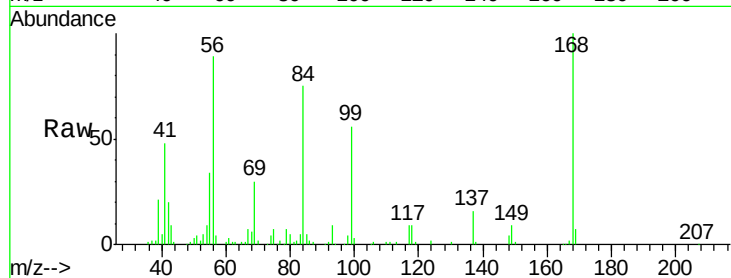
69 33.6 26.6 40.0

84 83.8 66.4 99.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.507 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

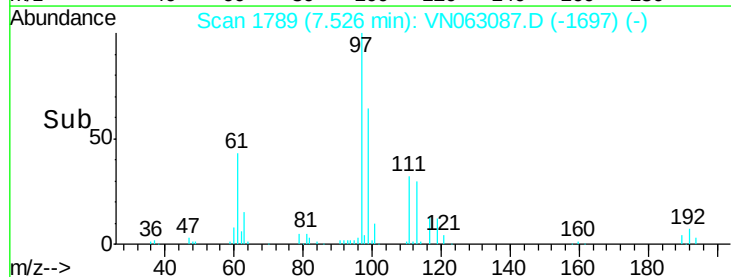
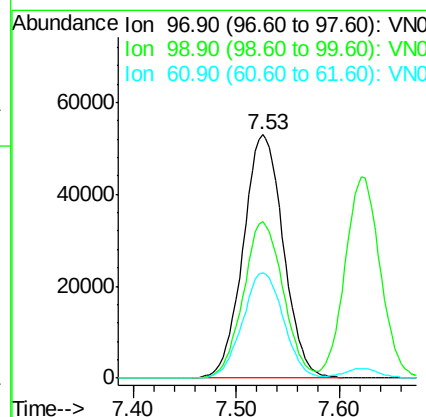
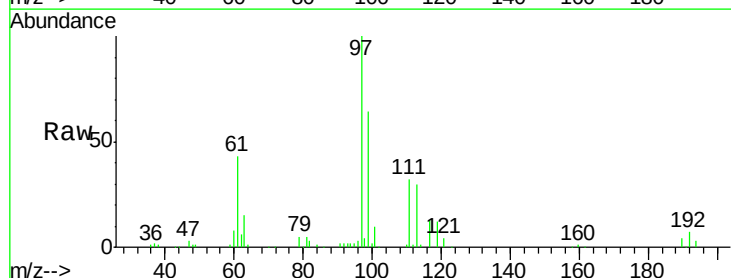
Tgt Ion: 97 Resp: 143462

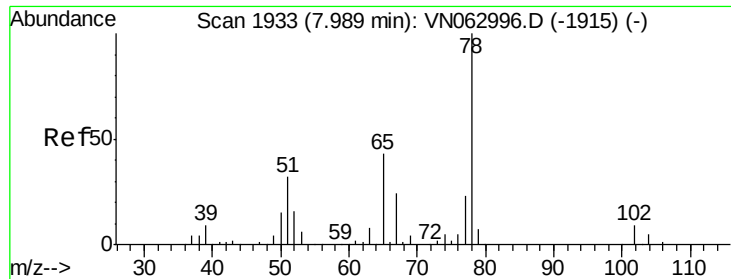
Ion Ratio Lower Upper

97 100

99 63.8 52.0 78.0

61 43.9 36.2 54.4





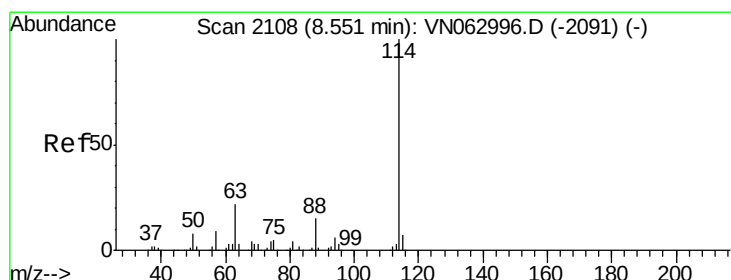
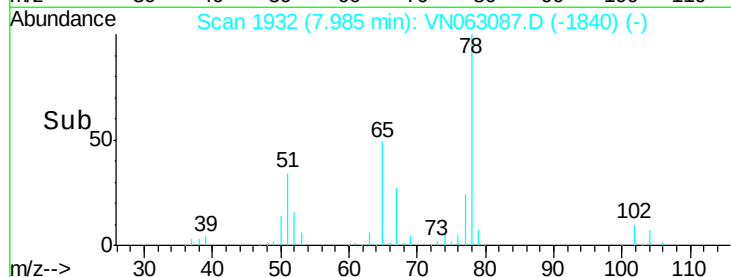
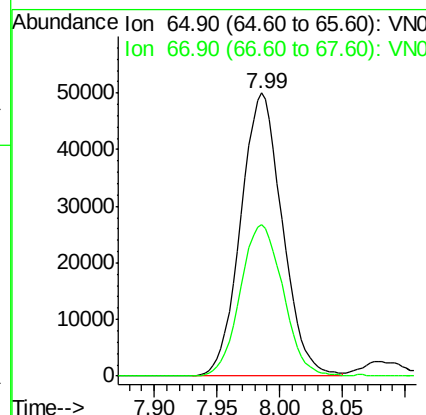
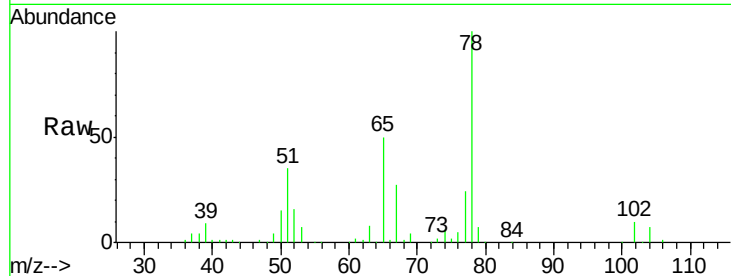
#33
 1,2-Dichloroethane-d4
 Concen: 49.251 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	115389		
67	54.9	0.0	112.0	

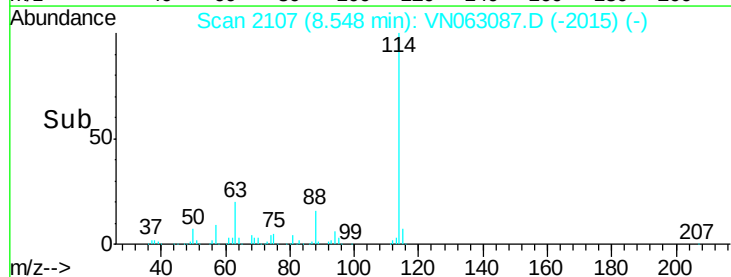
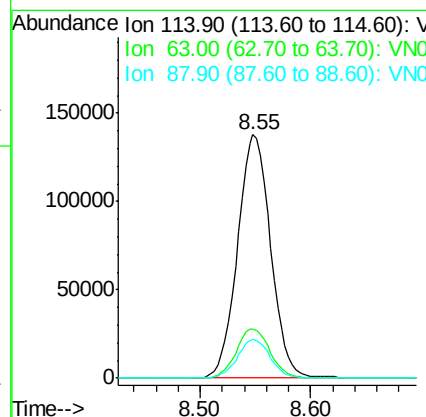
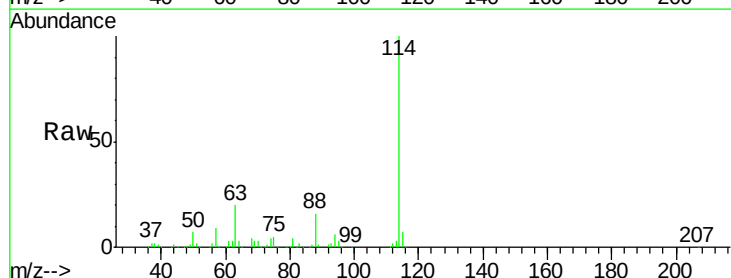
Manual Integrations
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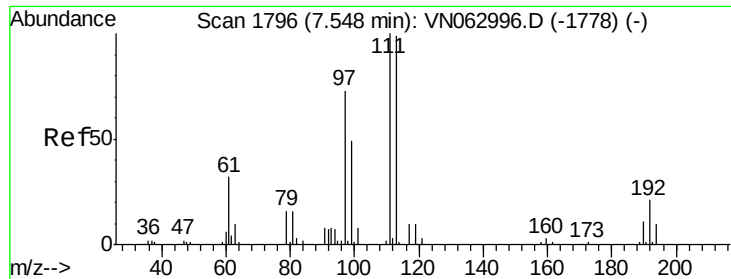
MMDadoda
 8/25/2020 12:14:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	286656		
63	20.4	0.0	43.2	
88	15.8	0.0	30.6	





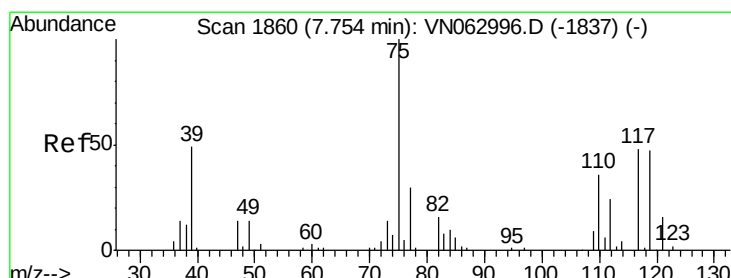
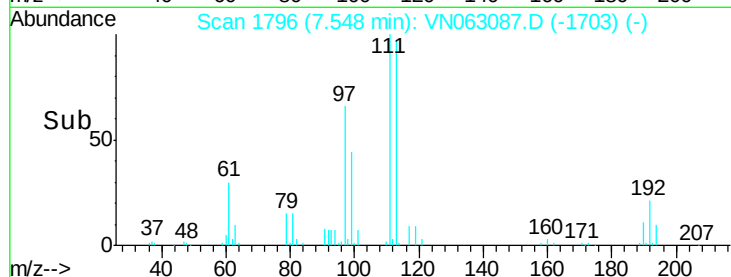
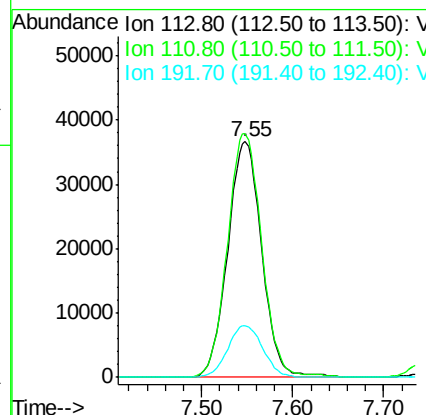
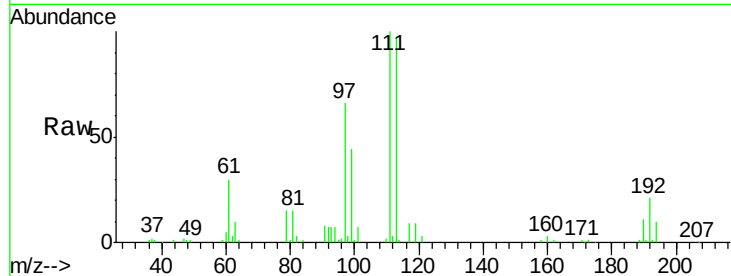
#35
 Dibromofluoromethane
 Concen: 51.018 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.7	122.5
192	22.4	17.5	26.3

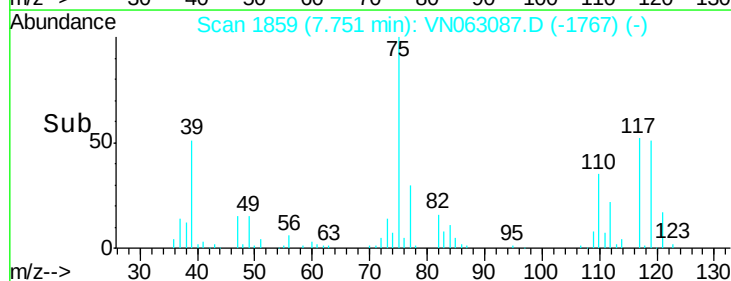
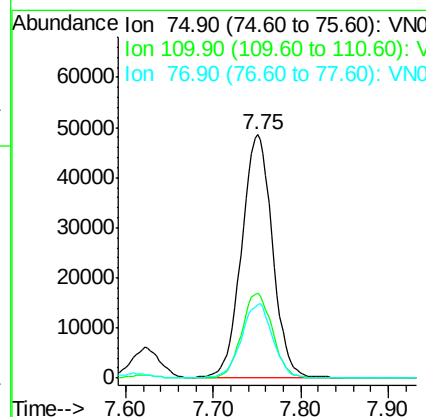
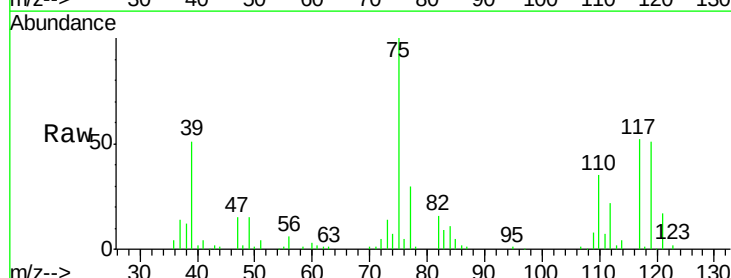
Manual Integrations
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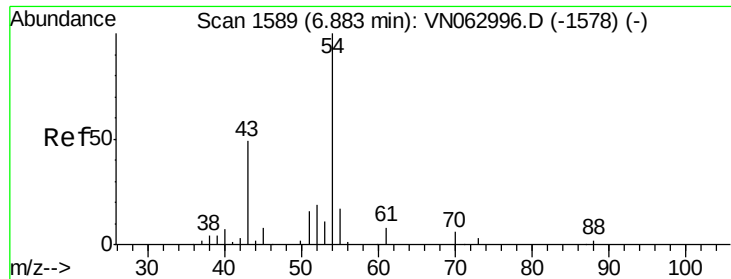
MMDadoda
 8/25/2020 12:14:45 PM



#36
 1,1-Dichloropropene
 Concen: 47.075 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.5	52.6
77	31.2	24.2	36.4





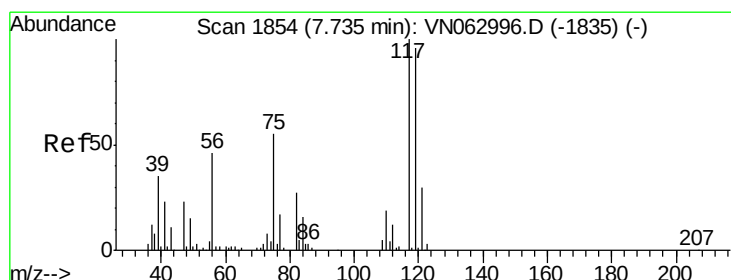
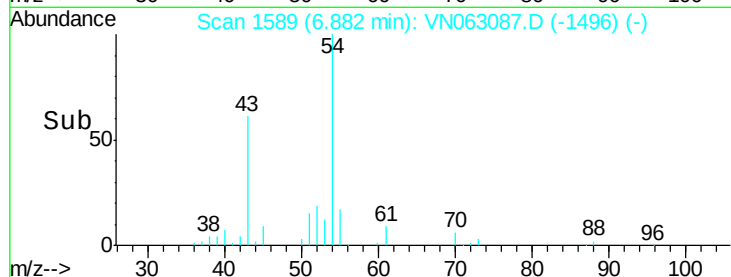
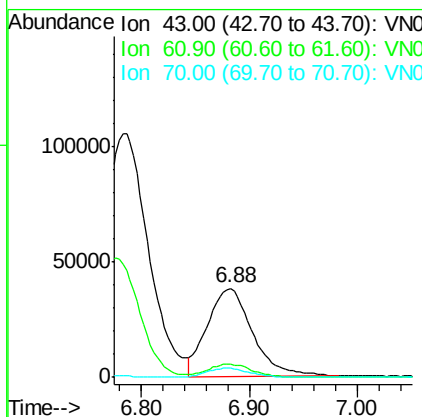
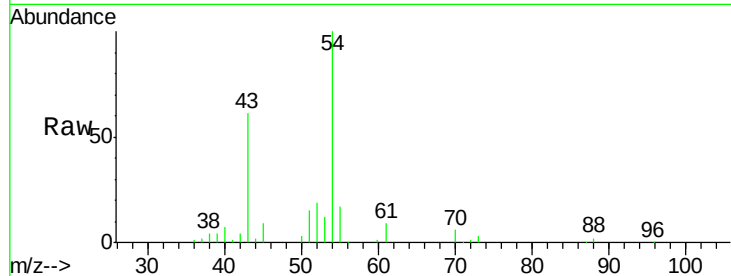
#37
Ethyl Acetate
Concen: 46.613 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.8	17.8
70	10.2	8.2	12.2

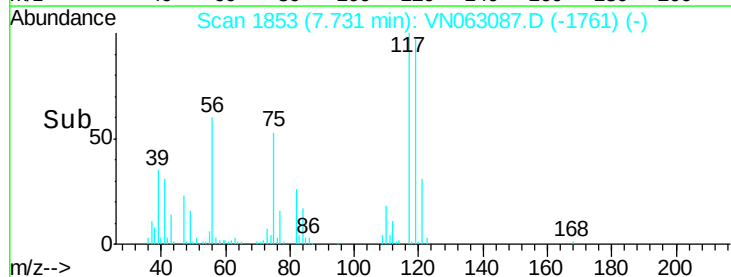
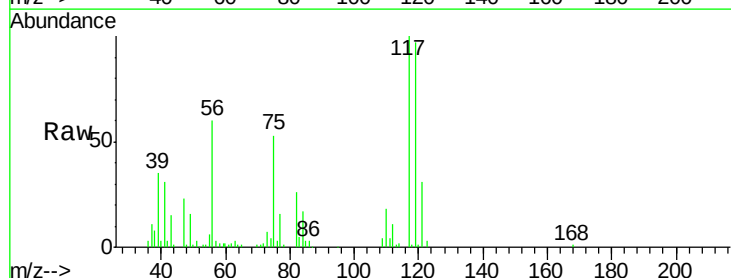
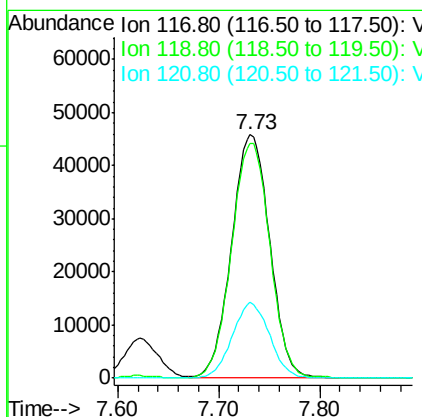
Manual Integrations
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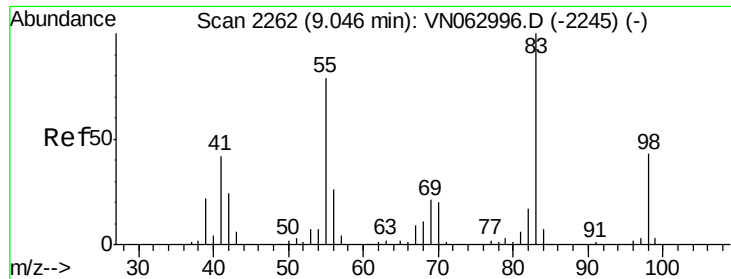
MMDadoda
8/25/2020 12:14:45 PM



#38
Carbon Tetrachloride
Concen: 47.287 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.2	114.4
121	31.0	24.2	36.2





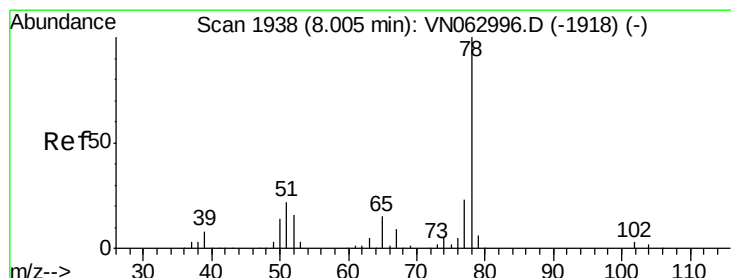
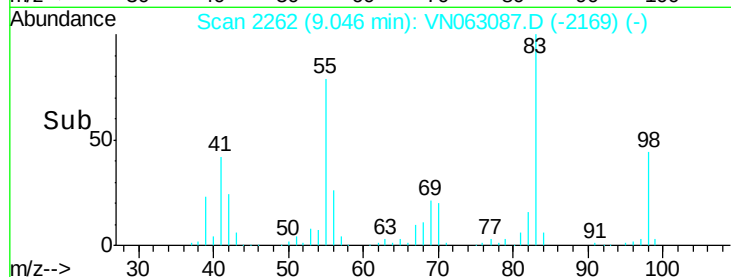
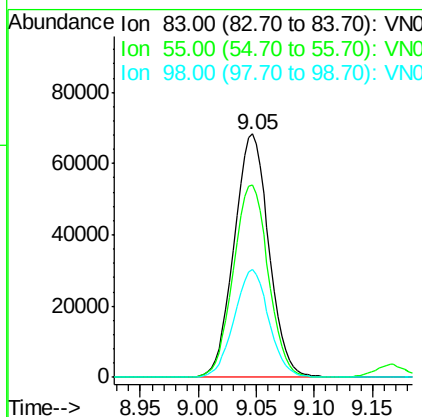
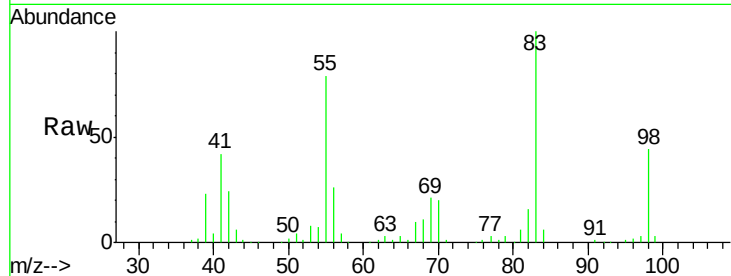
#39
Methylvlcyclohexane
Concen: 41.969 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	142255		
55	78.9	63.3	94.9	
98	44.3	34.2	51.4	

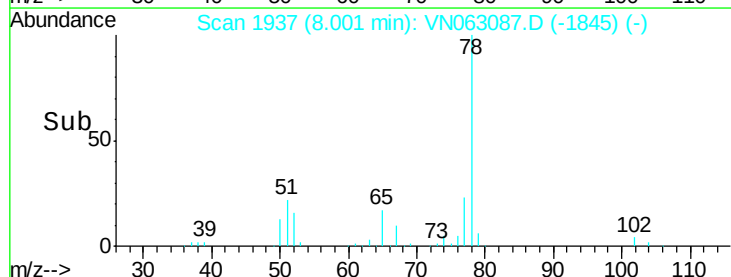
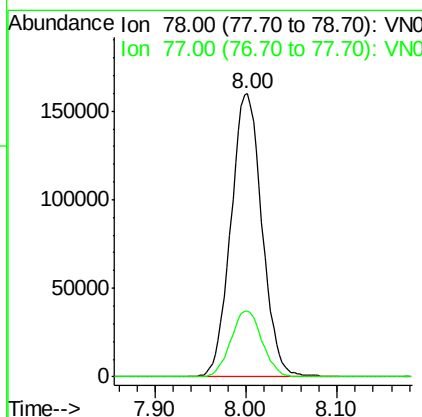
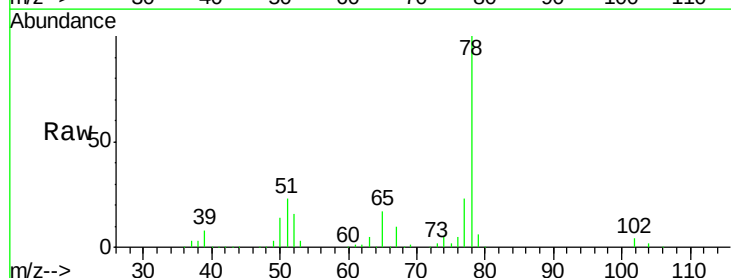
Manual Integrations
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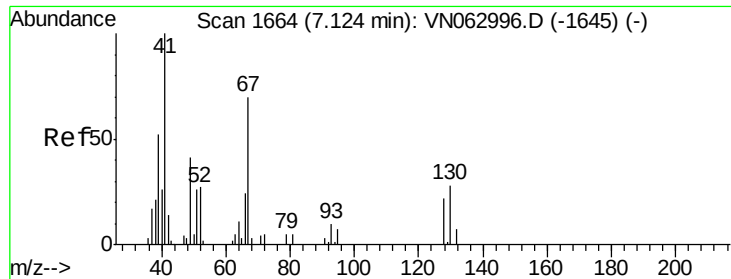
MMDadoda
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#40
Benzene
Concen: 47.395 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	379737		
77	23.3	18.8	28.2	





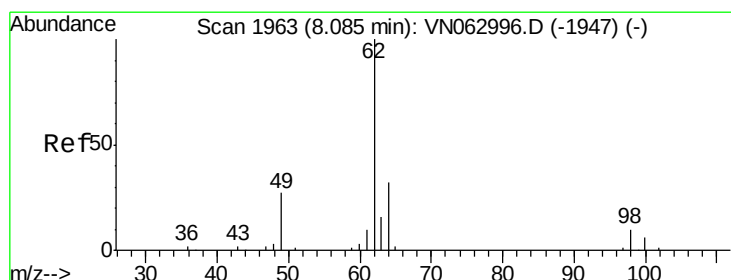
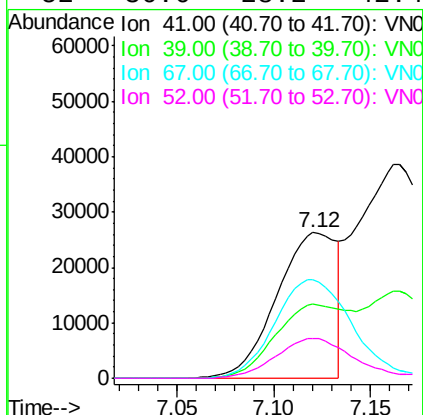
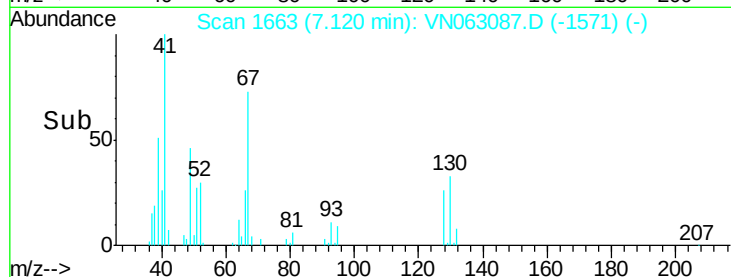
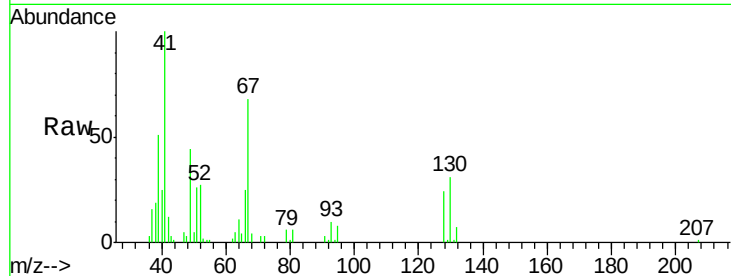
#41
Methacrylonitrile
Concen: 50.129 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.2	41.6	62.4#
67	88.5	71.8	107.8
52	36.6	28.2	42.4

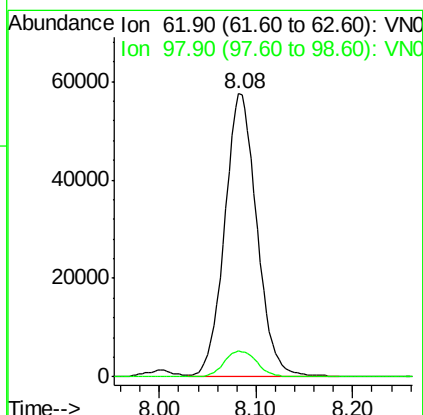
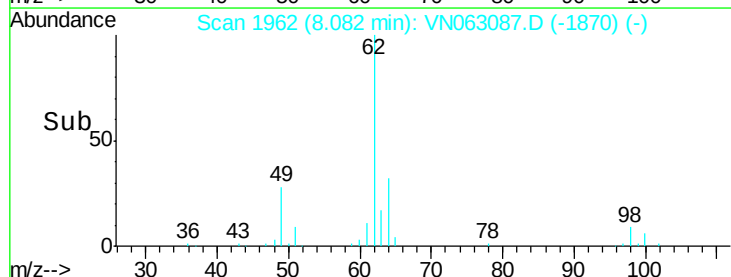
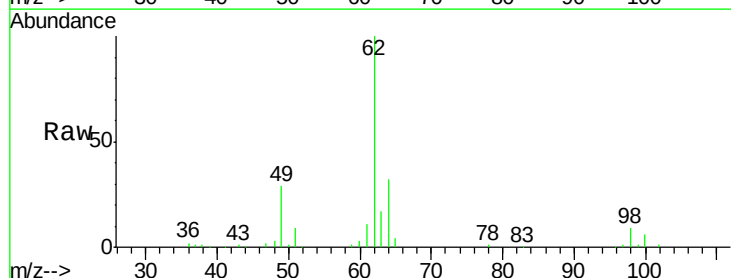
Manual Integrations
APPROVED

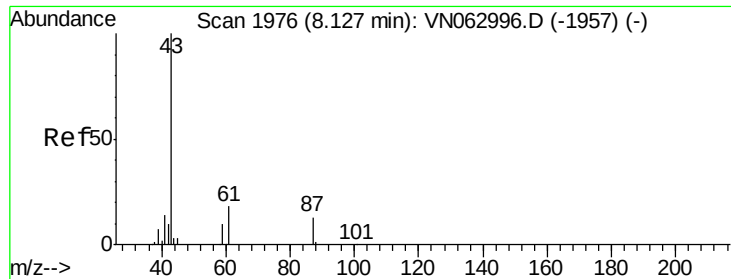
MMDadoda
8/25/2020 12:14:45 PM



#42
1,2-Dichloroethane
Concen: 49.463 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4





#43

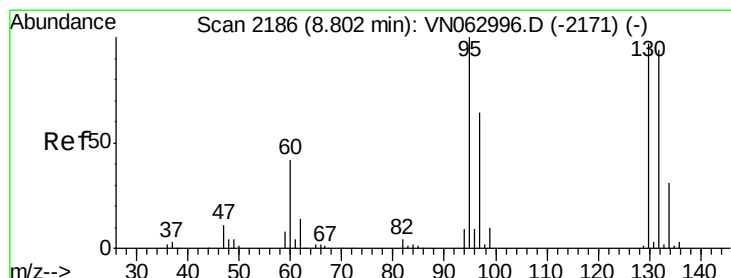
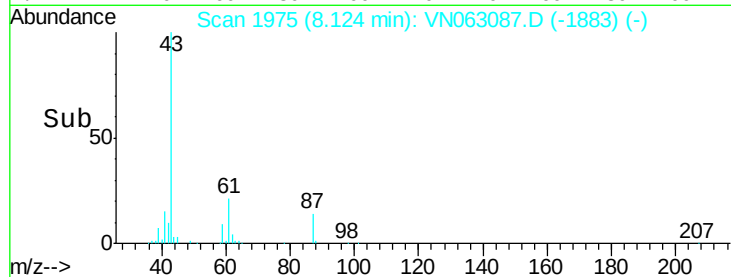
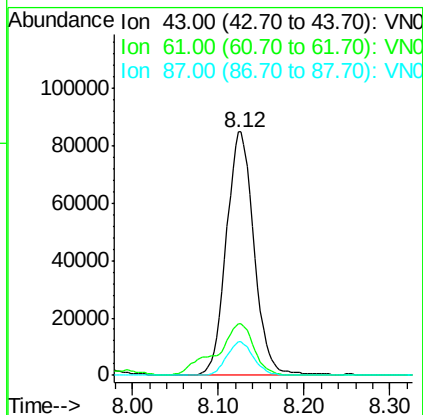
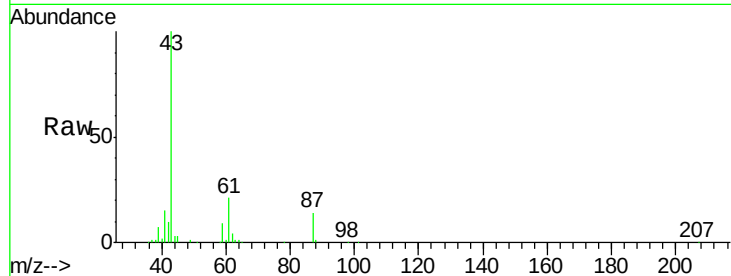
Isopropyl Acetate
 Concen: 48.007 ug/l
 RT: 8.12 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.8	22.6	33.8
87	13.6	10.5	15.7

Manual Integrations
 APPROVED

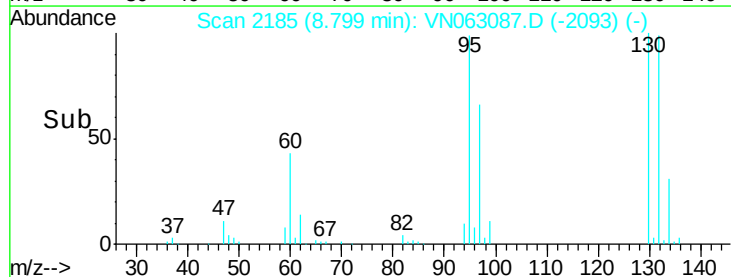
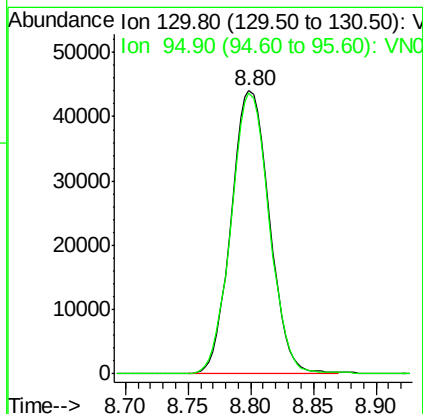
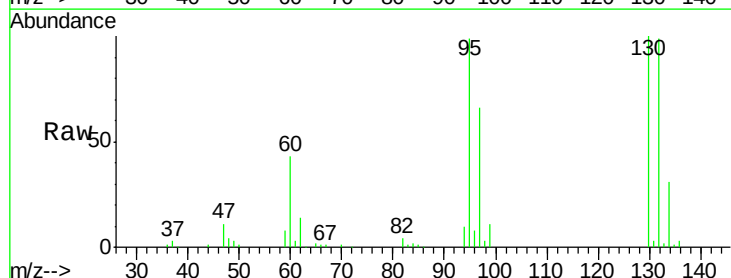
MMDadoda
 8/25/2020 12:14:45 PM

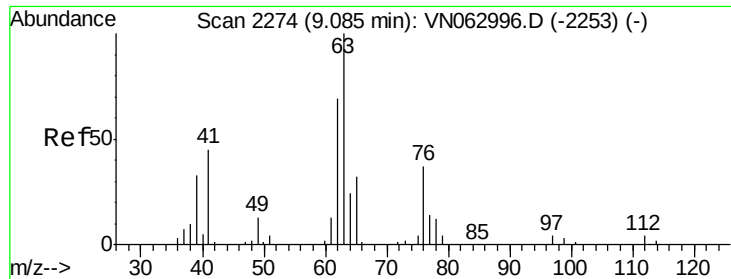


#44

Trichloroethene
 Concen: 46.963 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	205.6





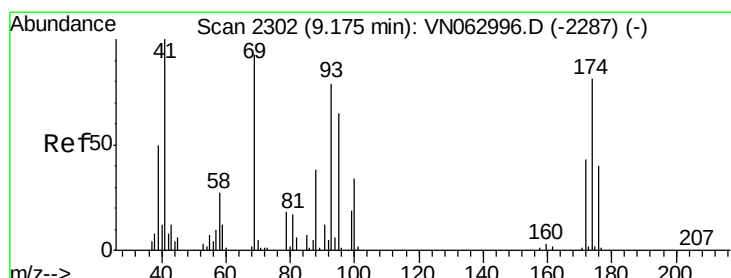
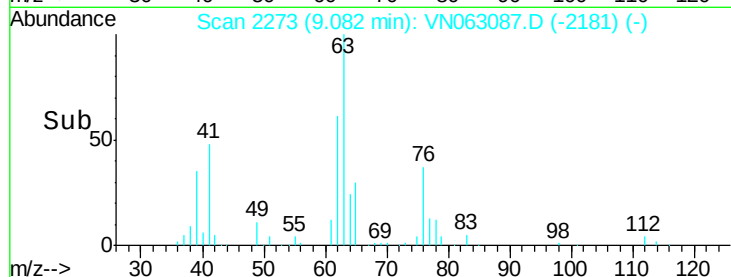
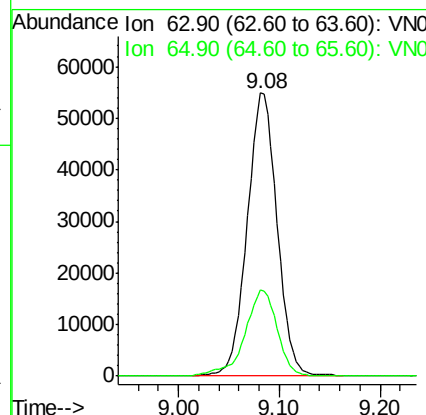
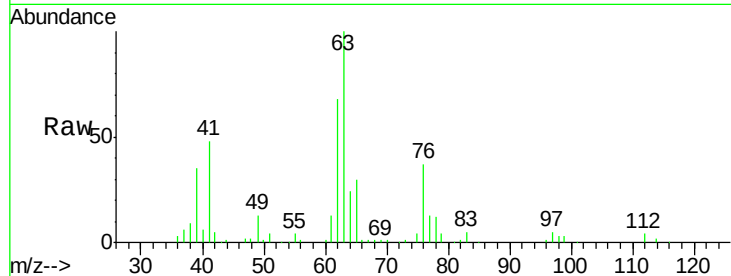
#45
 1,2-Dichloropropane
 Concen: 48.525 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.6	38.4

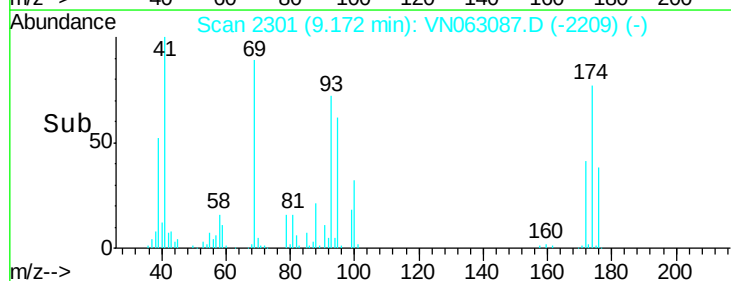
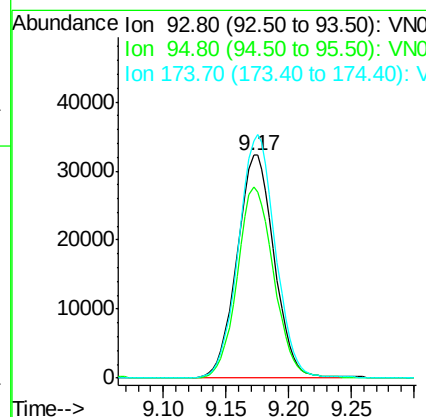
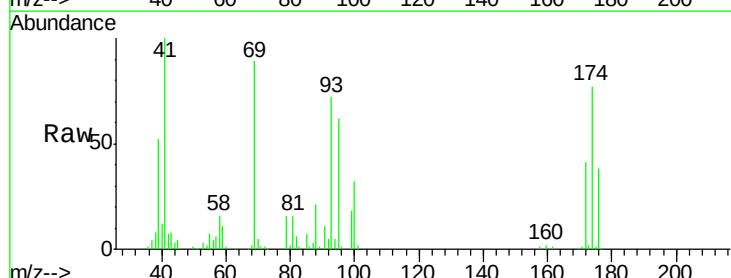
Manual Integrations
 APPROVED

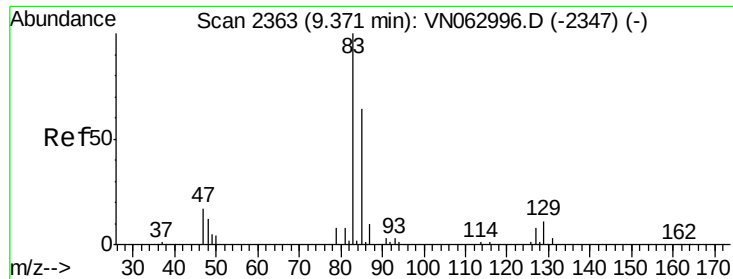
MMDadoda
 8/25/2020 12:14:45 PM



#46
 Dibromomethane
 Concen: 49.858 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.2	99.4
174	107.7	84.6	127.0





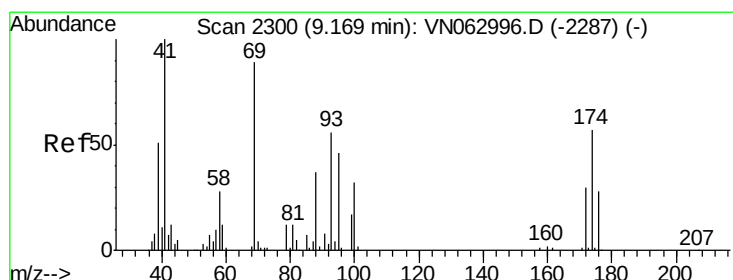
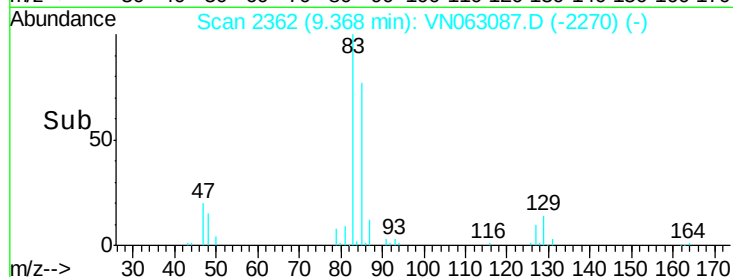
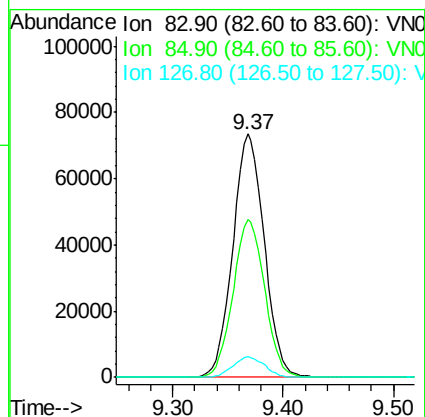
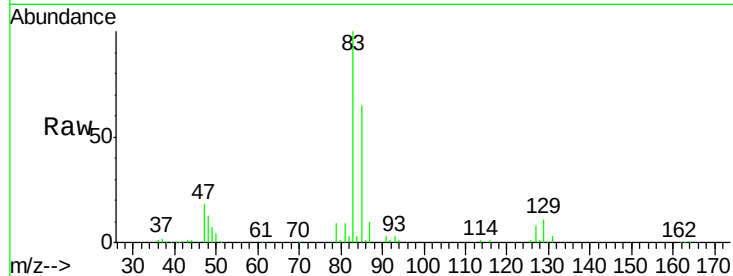
#47
Bromodichloromethane
Concen: 49.603 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	83	Resp:	145354
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.1	76.7
127	8.4	6.6	9.8

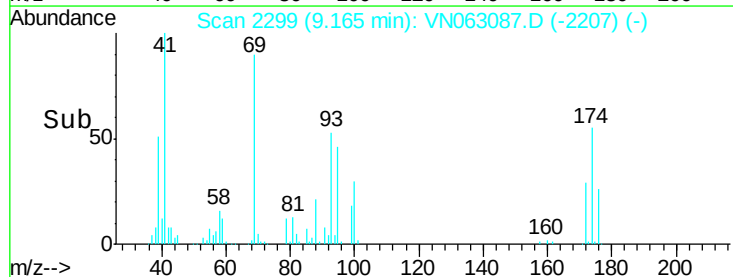
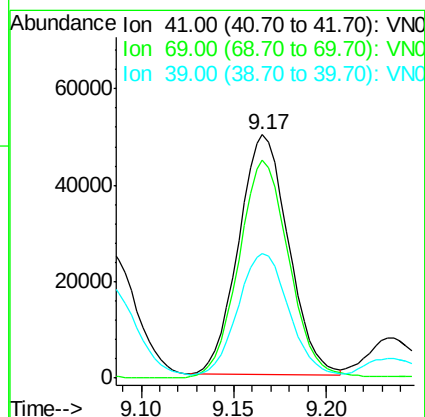
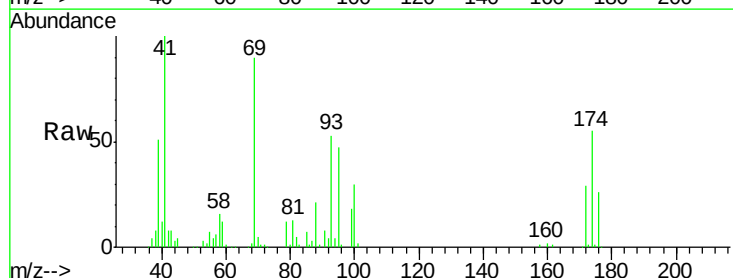
Manual Integrations
APPROVED

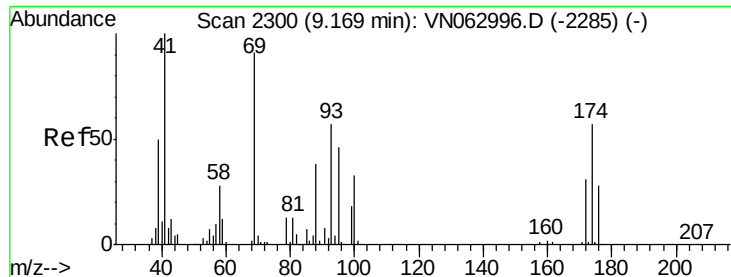
MMDadoda
8/25/2020 12:14:45 PM



#48
Methyl methacrylate
Concen: 50.175 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Tgt Ion:	41	Resp:	93097
Ion Ratio	Lower	Upper	
41	100		
69	92.0	74.2	111.4
39	53.4	42.5	63.7





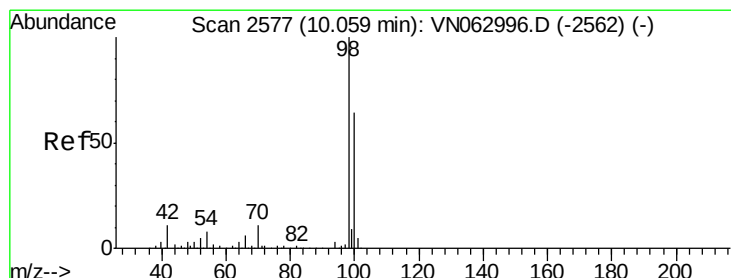
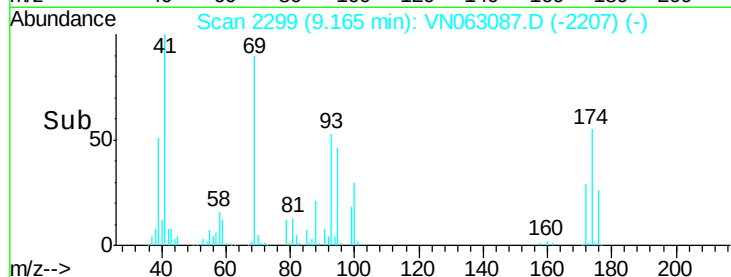
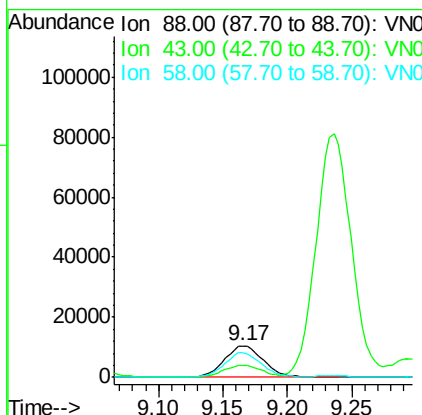
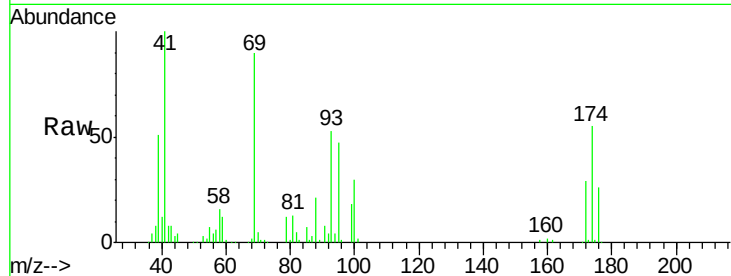
#49
 1,4-Dioxane
 Concen: 548.360 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	25.2	37.8#
58	74.7	56.7	85.1

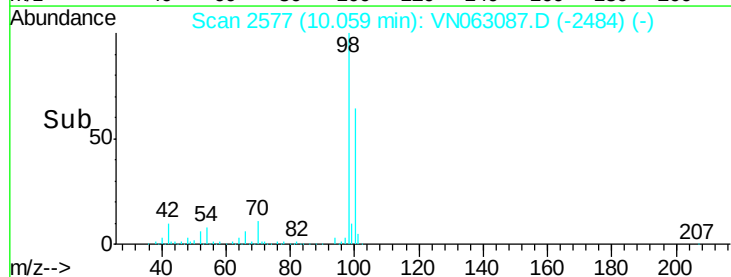
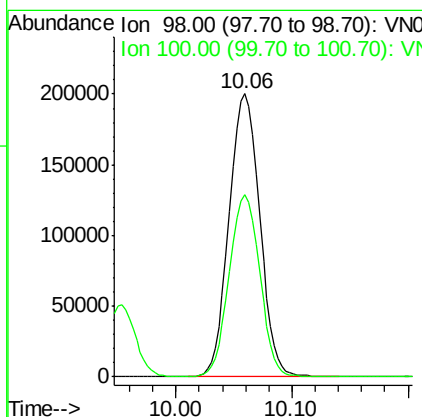
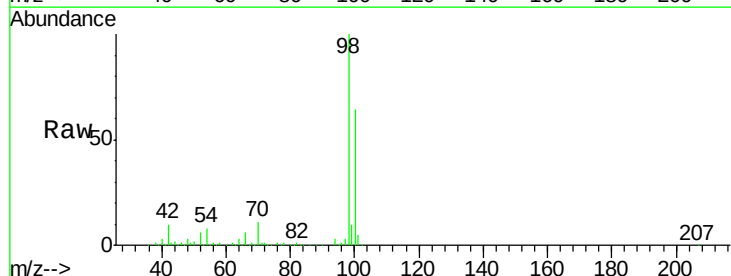
Manual Integrations
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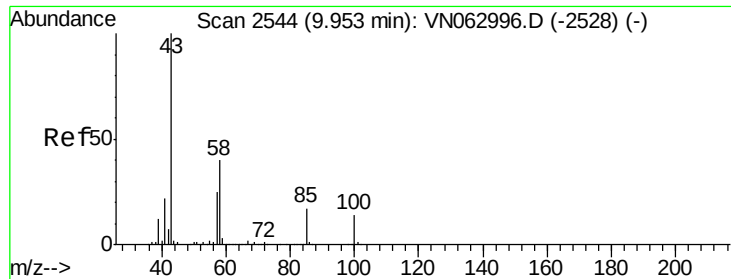
MMDadoda
 8/25/2020 12:14:45 PM



#50
 Toluene-d8
 Concen: 51.248 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 249.760 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 619083

Ion Ratio Lower Upper

43 100

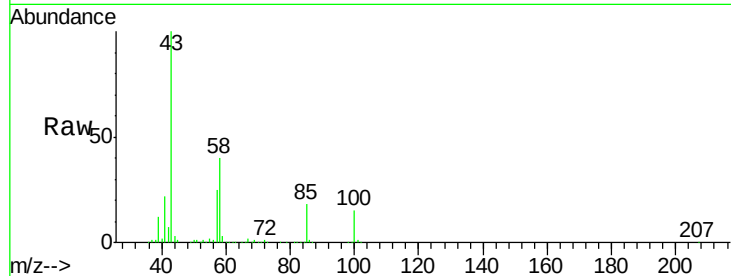
58 39.9 32.2 48.2

Manual Integrations

APPROVED

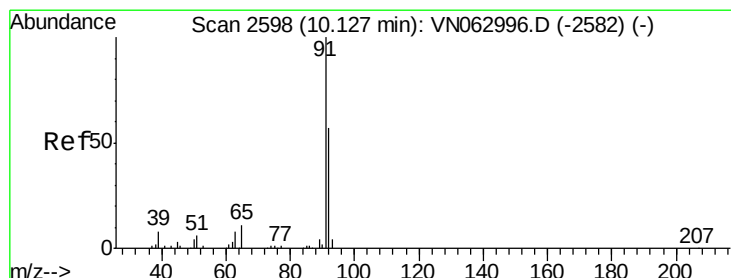
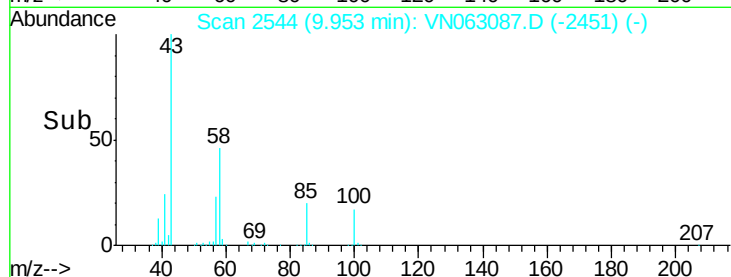
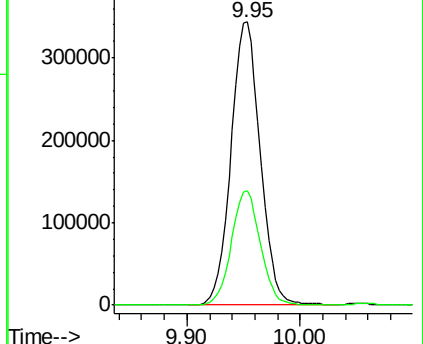
MMDadoda

8/25/2020 12:14:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.598 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN063087.D

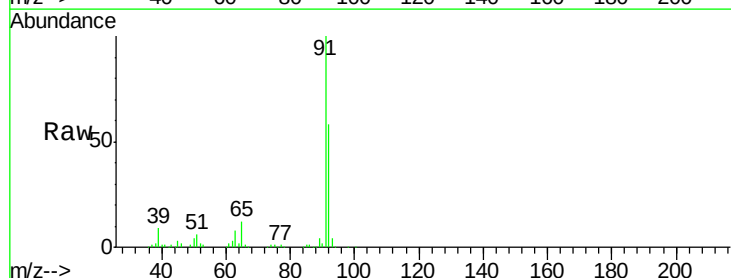
Acq: 24 Aug 2020 11:43

Tgt Ion: 92 Resp: 239716

Ion Ratio Lower Upper

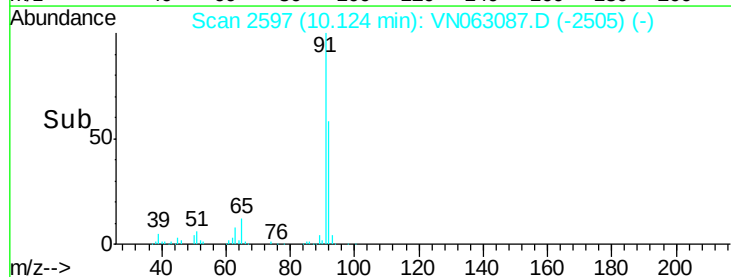
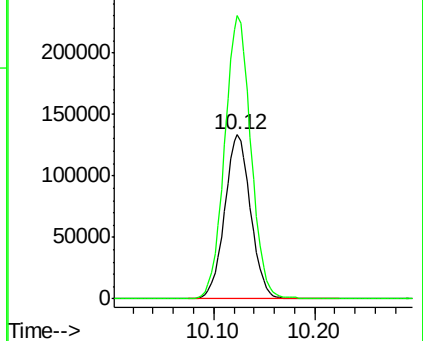
92 100

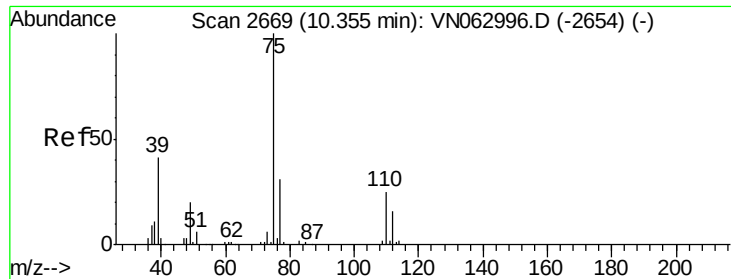
91 174.4 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





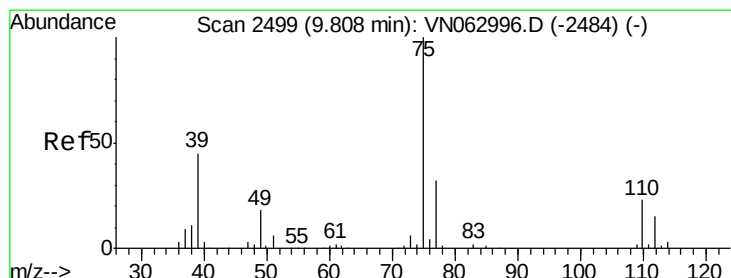
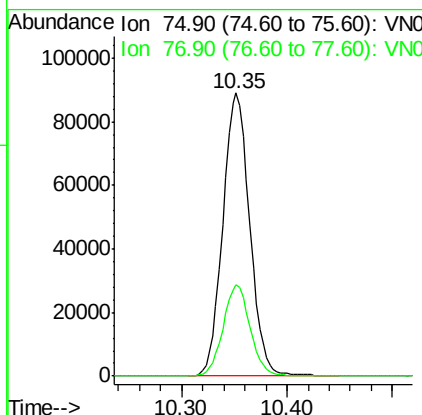
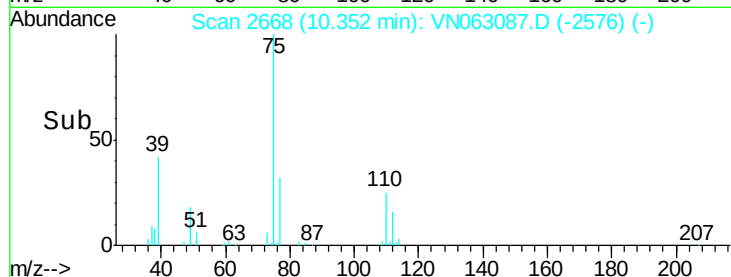
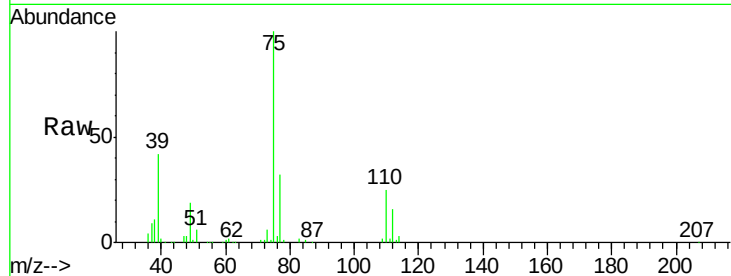
#53
t-1,3-Dichloropropene
Concen: 51.869 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 157180
Ion Ratio Lower Upper
75 100
77 32.2 24.6 37.0

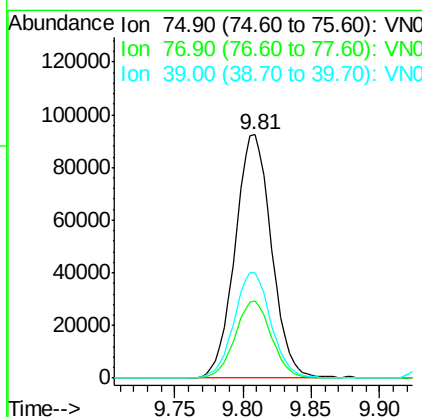
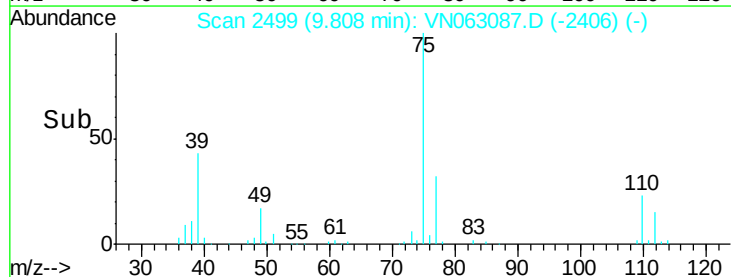
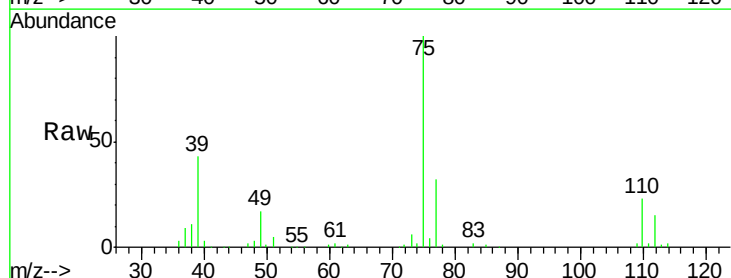
Manual Integrations
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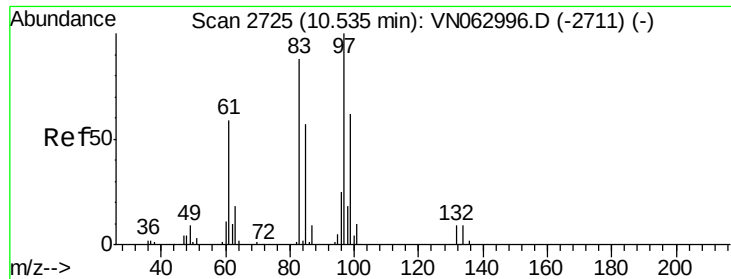
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8/25/2020 12:14:45 PM



#54
cis-1,3-Dichloropropene
Concen: 51.673 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Tgt Ion: 75 Resp: 171774
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2
39 43.1 35.7 53.5





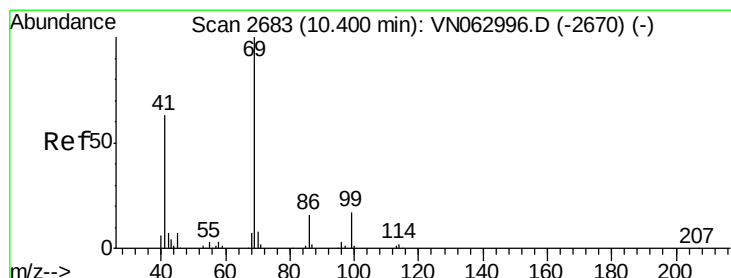
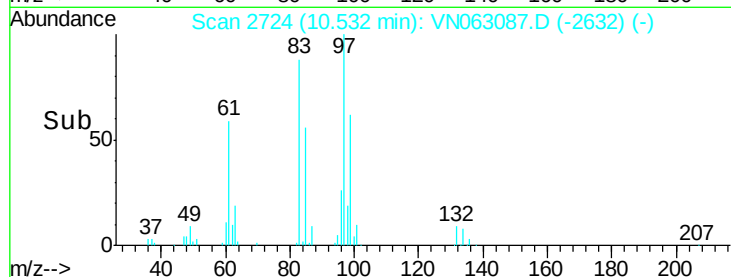
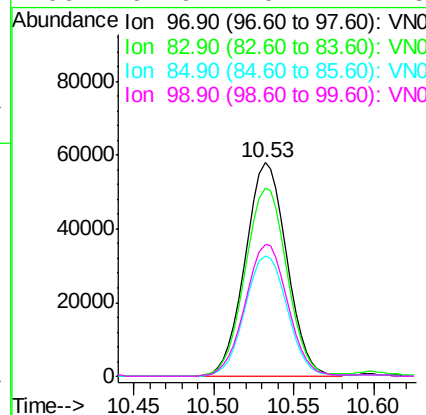
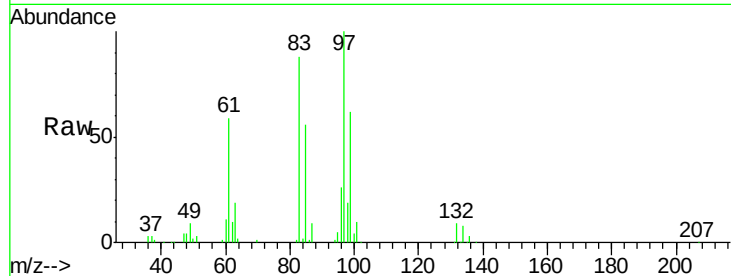
#55
 1,1,2-Trichloroethane
 Concen: 49.898 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	103120
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.5	105.7
85	56.3	45.8	68.6
99	61.9	49.7	74.5

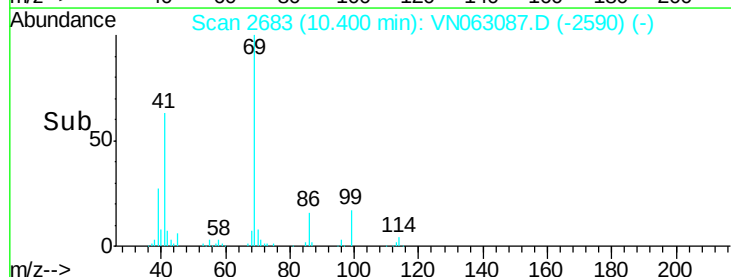
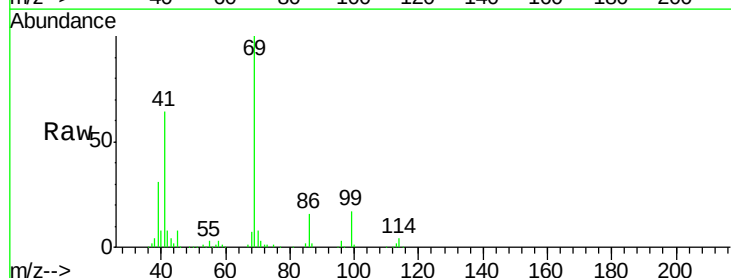
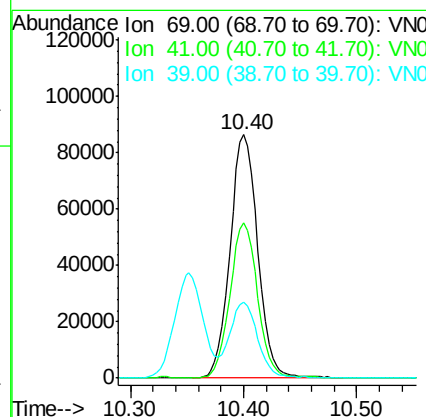
Manual Integrations
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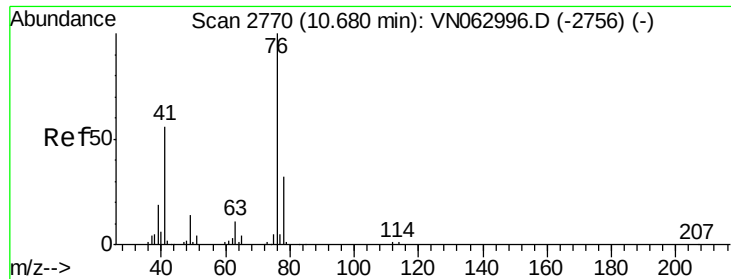
MMDadoda
 8/25/2020 12:14:45 PM



#56
 Ethyl methacrylate
 Concen: 46.306 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Tgt Ion:	69	Resp:	147375
Ion	Ratio	Lower	Upper
69	100		
41	62.8	50.2	75.2
39	30.9	24.2	36.4





#57

1,3-Dichloropropane

Concen: 49.680 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 170487

Ion Ratio Lower Upper

76 100

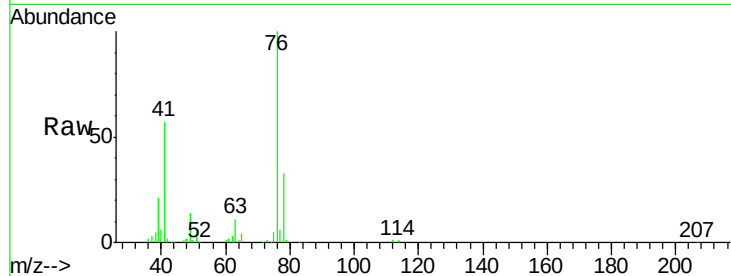
78 32.5 26.1 39.1

Manual Integrations

APPROVED

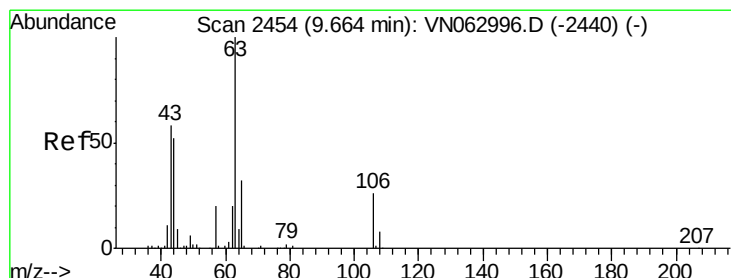
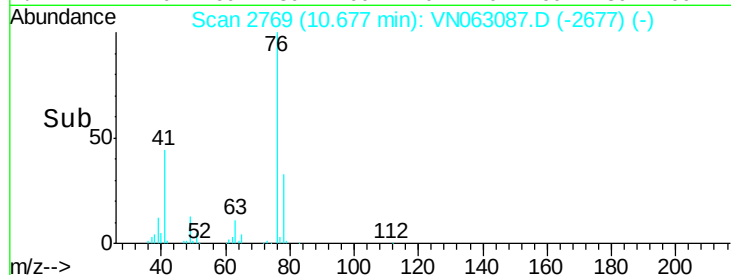
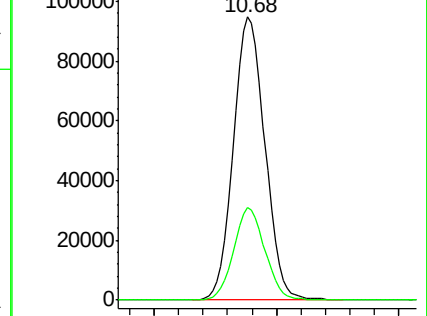
MMDadoda

8/25/2020 12:14:45 PM



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: 211.466 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN063087.D

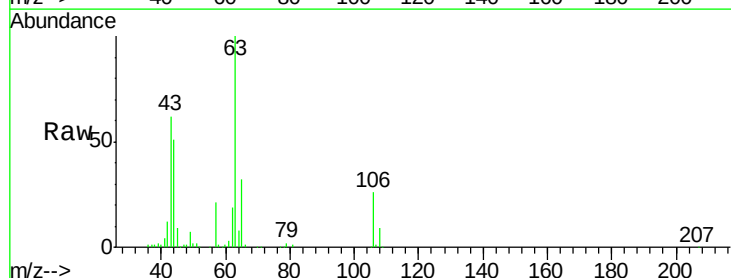
Acq: 24 Aug 2020 11:43

Tgt Ion: 63 Resp: 162561

Ion Ratio Lower Upper

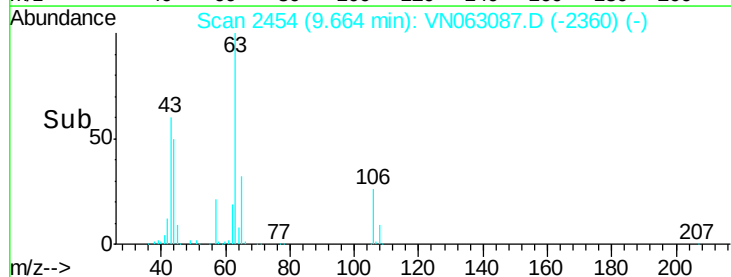
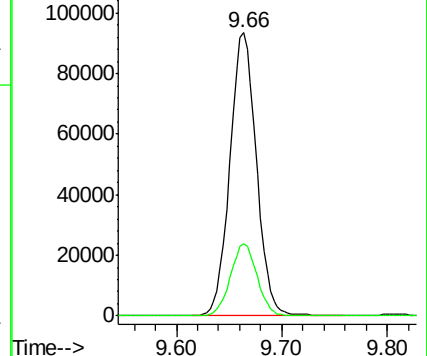
63 100

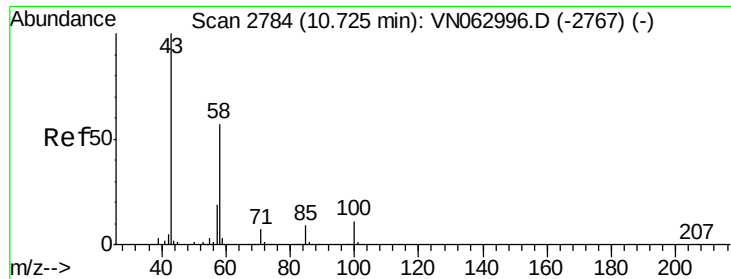
106 25.6 20.7 31.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





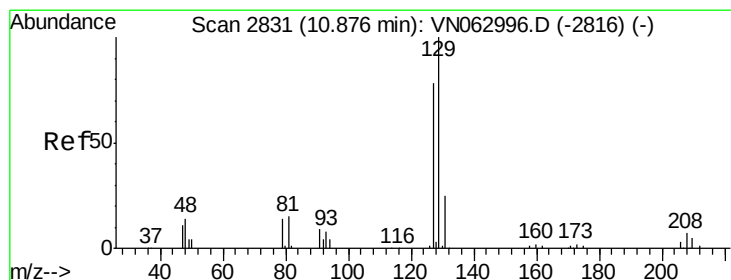
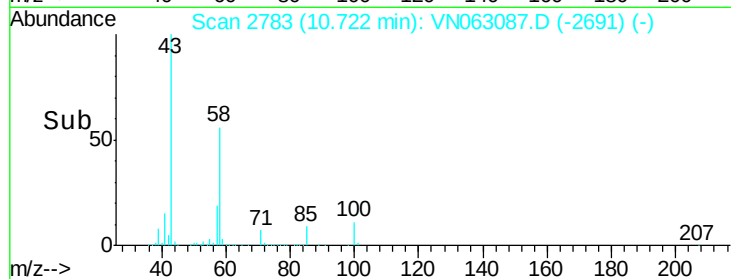
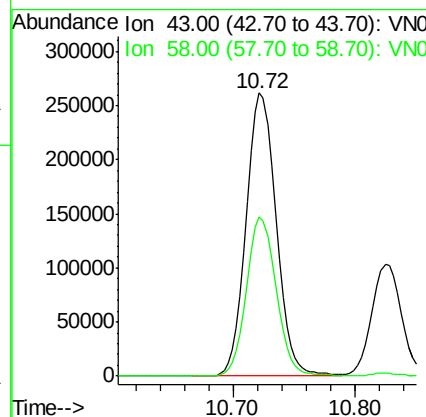
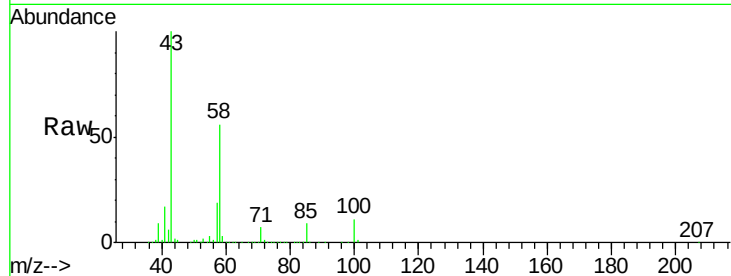
#59
2-Hexanone
Concen: 257.473 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	28.1	84.3

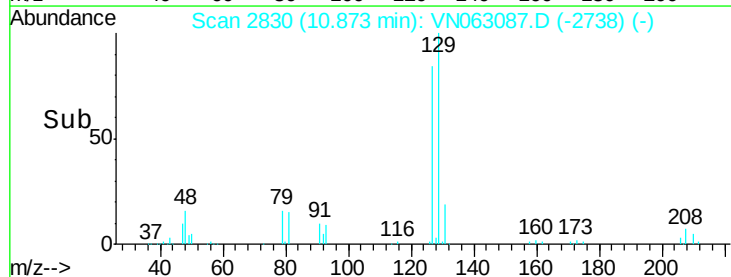
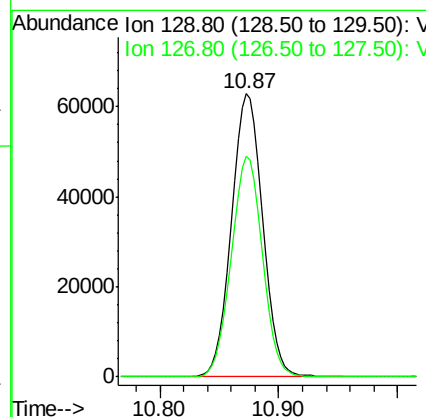
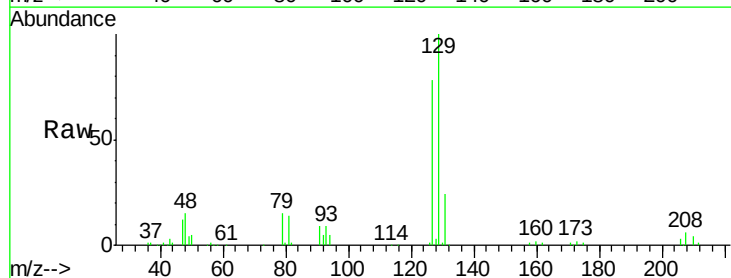
Manual Integrations
APPROVED

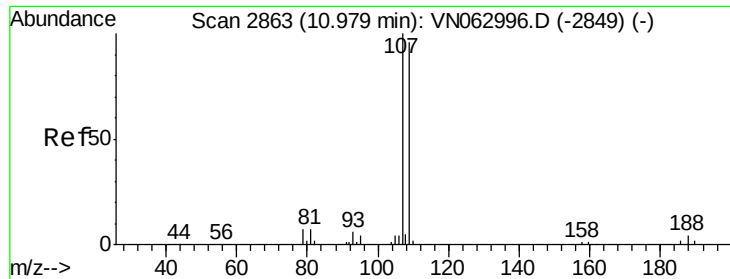
MMDadoda
8/25/2020 12:14:45 PM



#60
Dibromochloromethane
Concen: 50.081 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.4	115.2





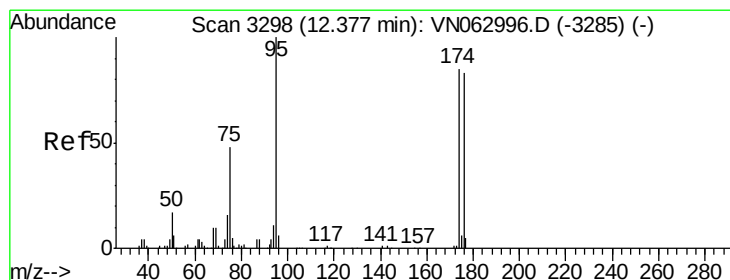
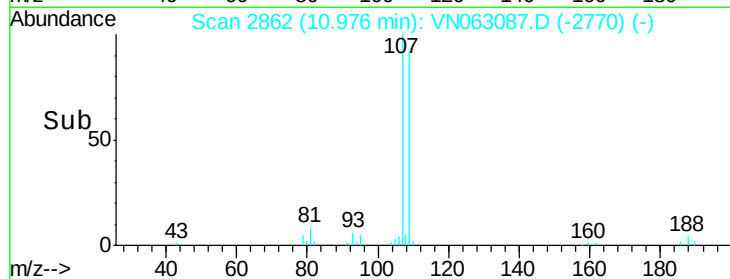
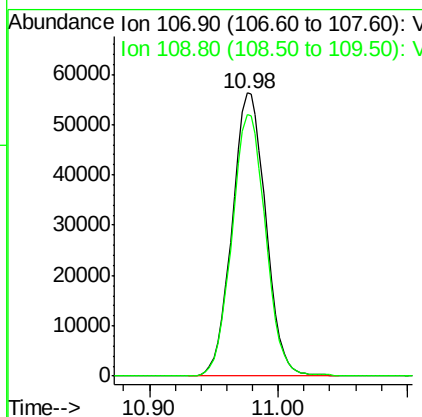
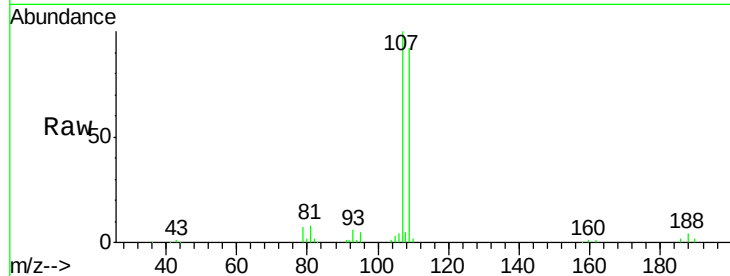
#61
 1,2-Dibromoethane
 Concen: 51.268 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	101805		
109	92.9	75.7	113.5	

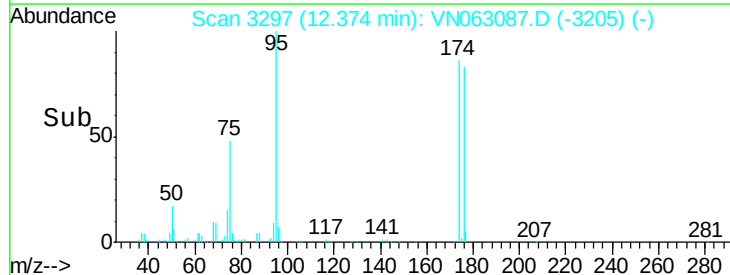
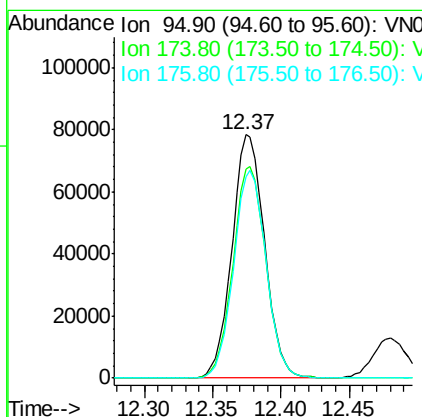
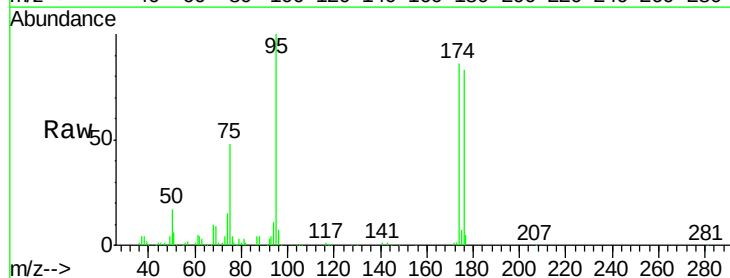
Manual Integrations
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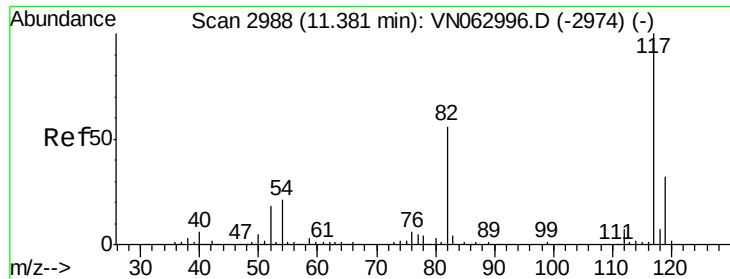
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 51.503 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	130393		
174	87.4	0.0	170.8	
176	84.8	0.0	164.8	





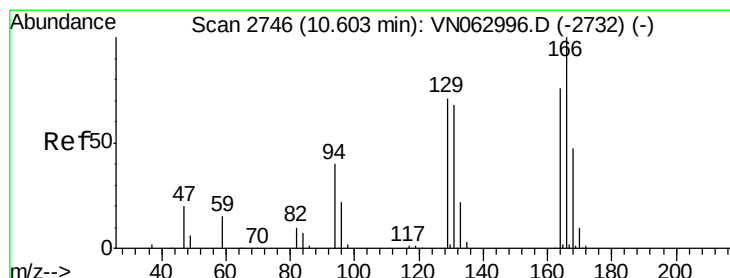
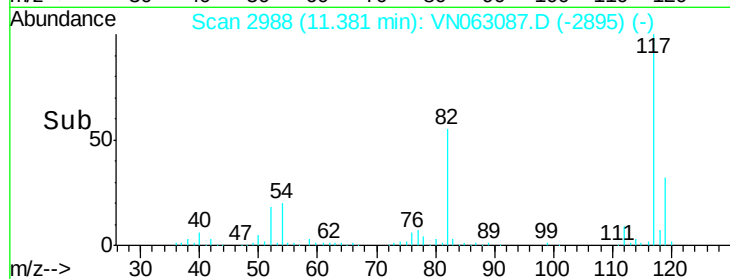
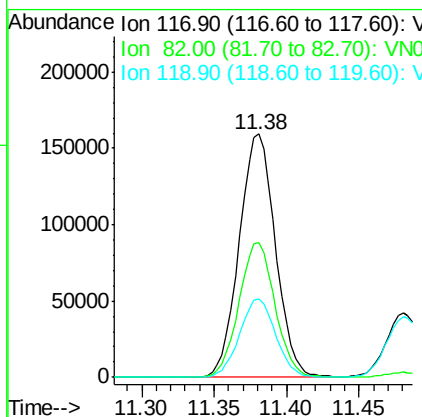
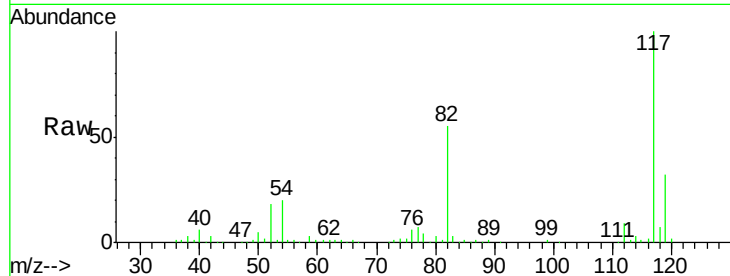
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	44.5	66.7
119	32.1	25.5	38.3

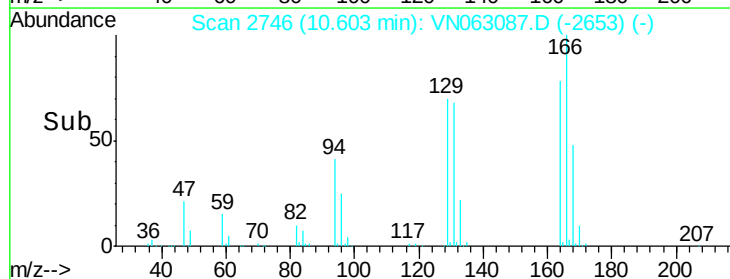
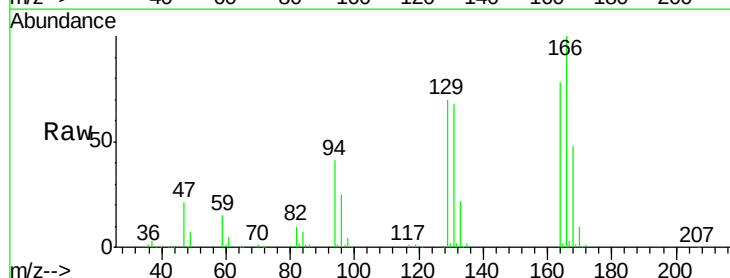
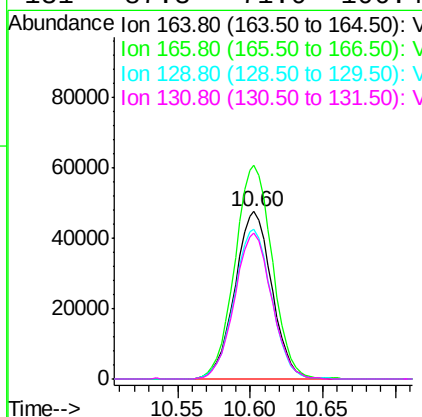
Manual Integrations
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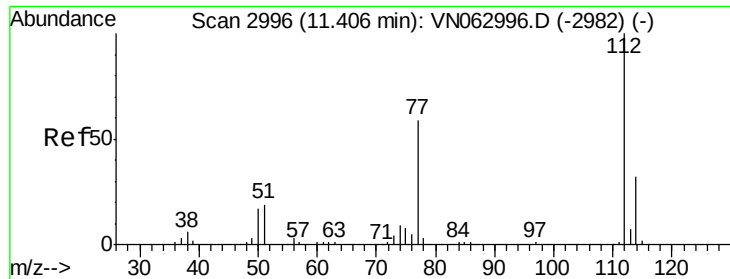
MMDadoda
8/25/2020 12:14:45 PM



#64
Tetrachloroethene
Concen: 46.008 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	105.0	157.6
129	89.6	74.7	112.1
131	87.3	71.0	106.4





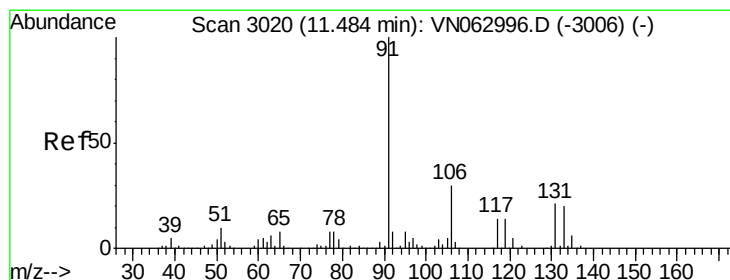
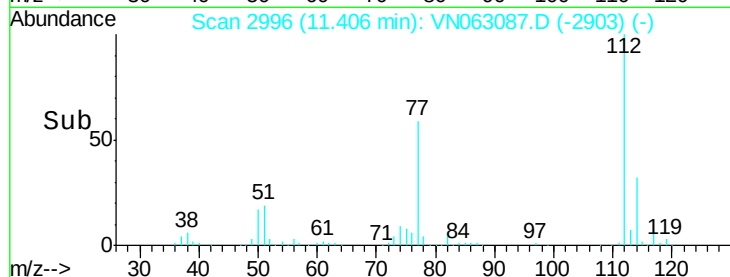
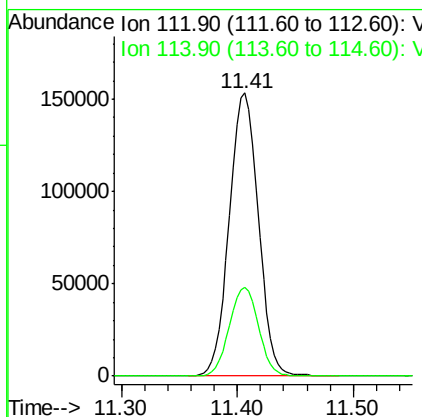
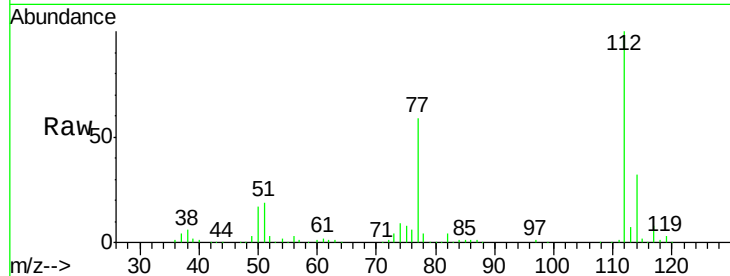
#65
Chlorobenzene
Concen: 47.965 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 267242
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9

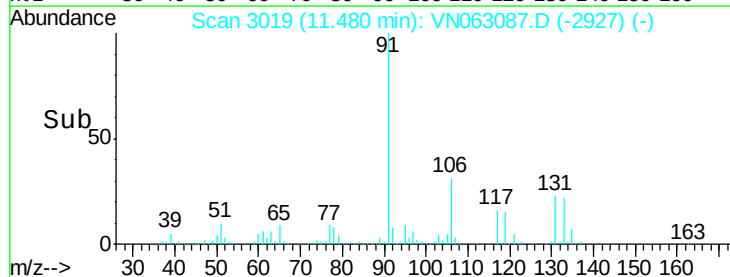
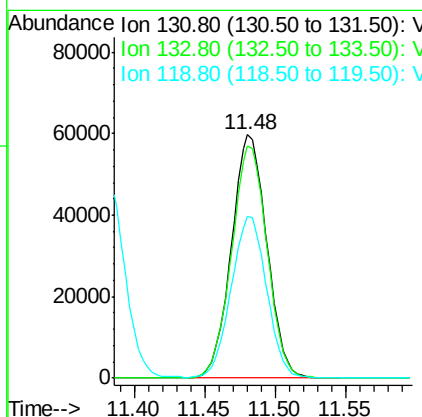
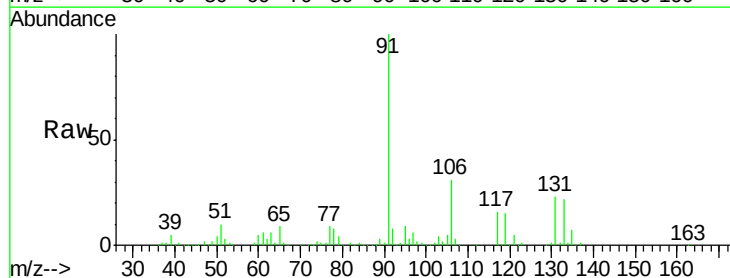
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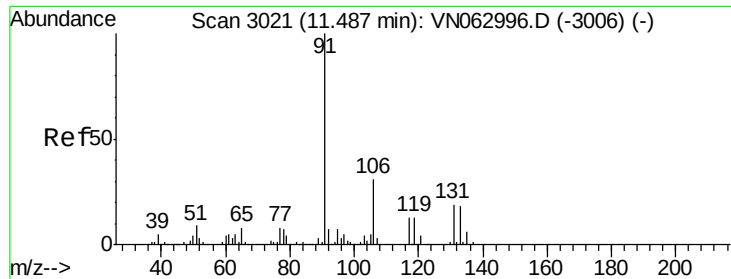
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.412 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Tgt Ion:131 Resp: 104915
Ion Ratio Lower Upper
131 100
133 95.9 47.5 142.6
119 66.8 33.1 99.3





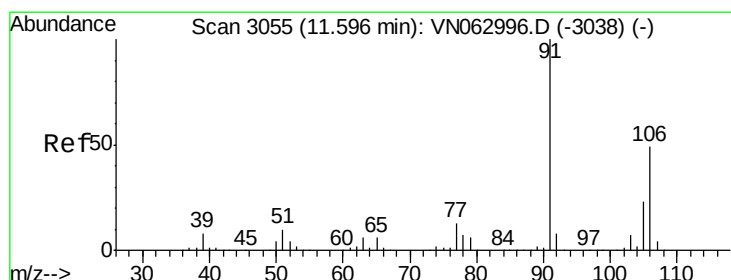
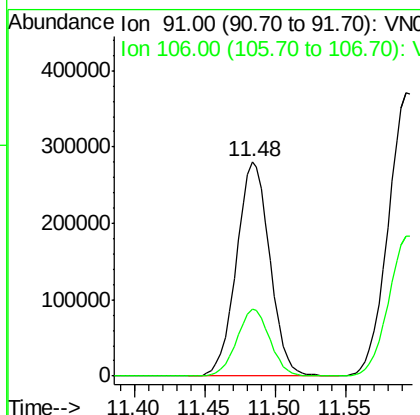
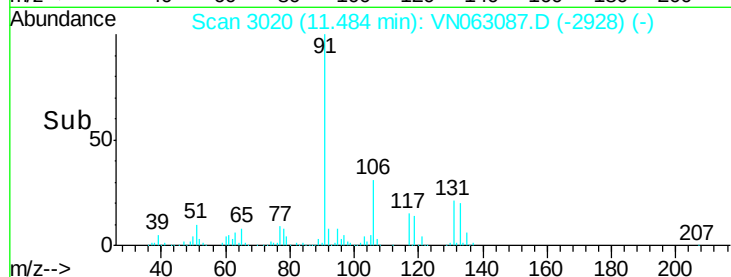
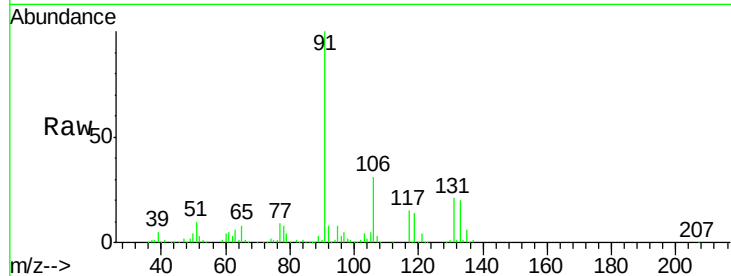
#67
Ethyl Benzene
Concen: 49.410 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 465170
Ion Ratio Lower Upper
91 100
106 31.0 24.6 37.0

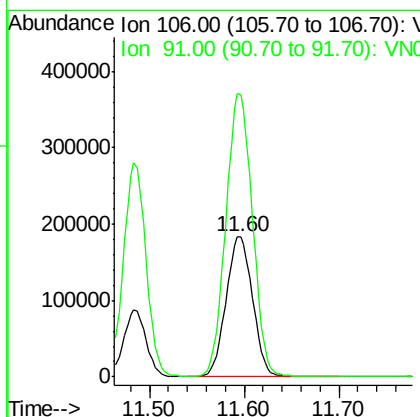
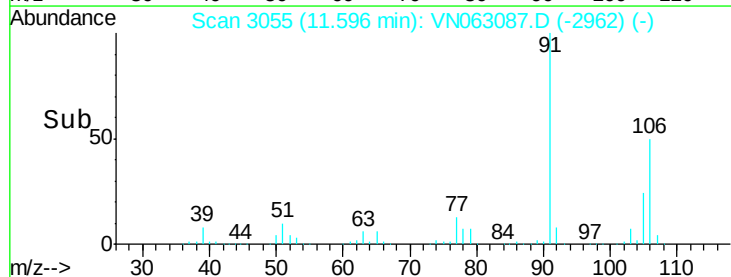
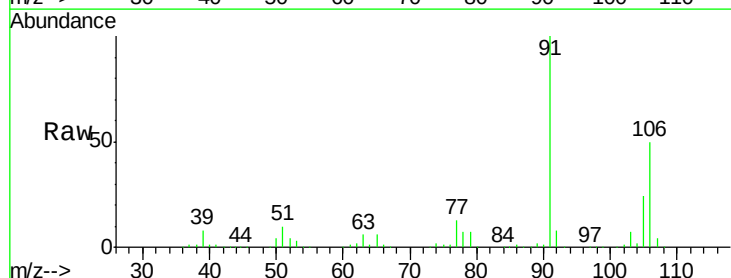
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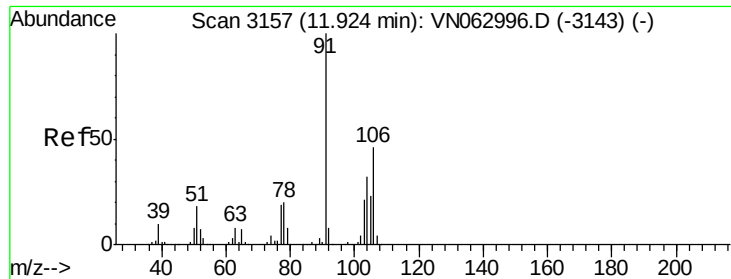
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#68
m/p-Xylenes
Concen: 102.113 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Tgt Ion: 106 Resp: 357298
Ion Ratio Lower Upper
106 100
91 202.8 163.0 244.4





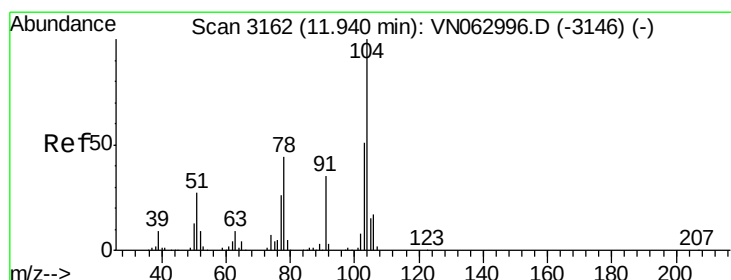
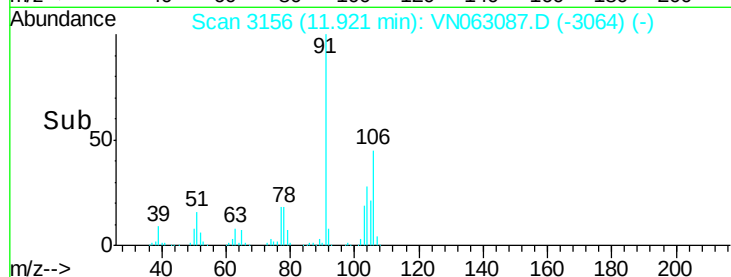
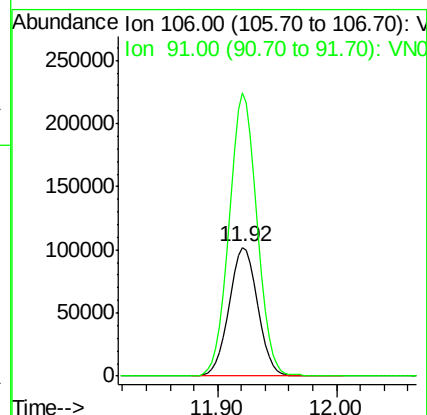
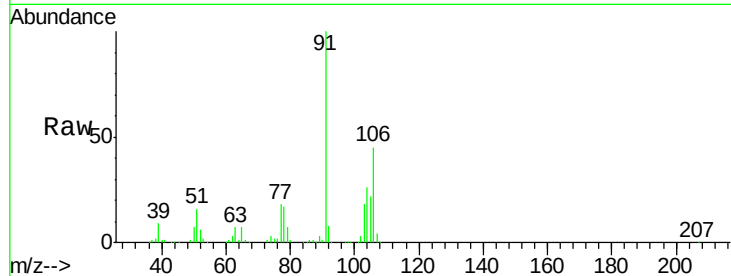
#69
o-Xylene
Concen: 50.583 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		169962		
91	214.2	107.3	321.9		

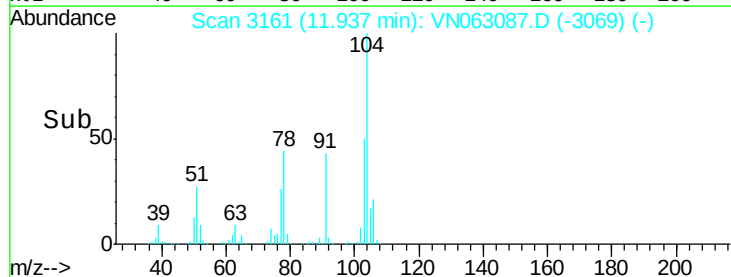
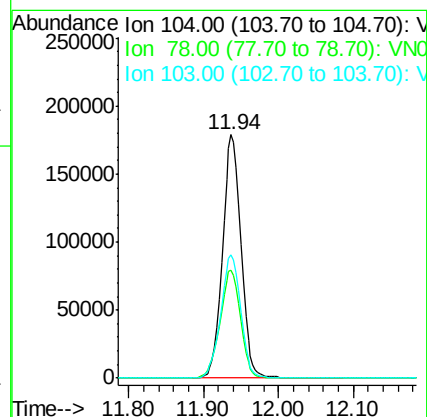
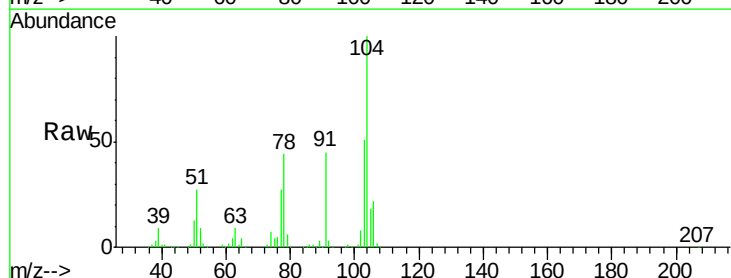
Manual Integrations
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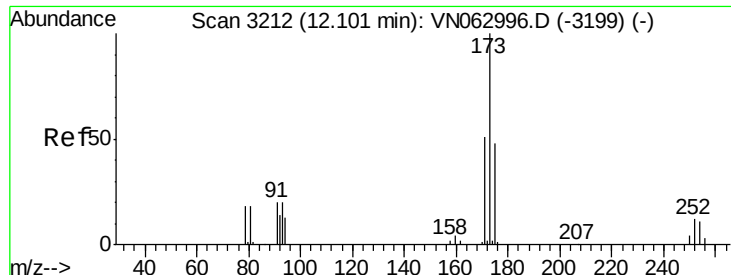
MMDadoda
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#70
Styrene
Concen: 46.218 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		307171		
78	48.9	39.0	58.6		
103	54.9	44.3	66.5		





#71

Bromoform

Concen: 49.919 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 86109

Ion Ratio Lower Upper

173 100

175 48.2 24.3 72.8

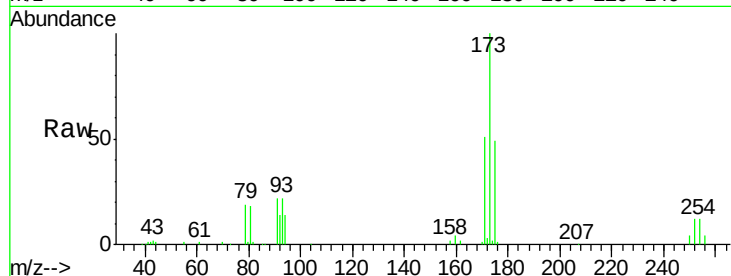
254 0.0 0.0 0.0

Manual Integrations

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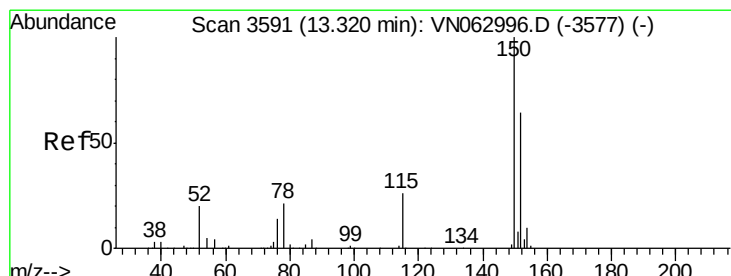
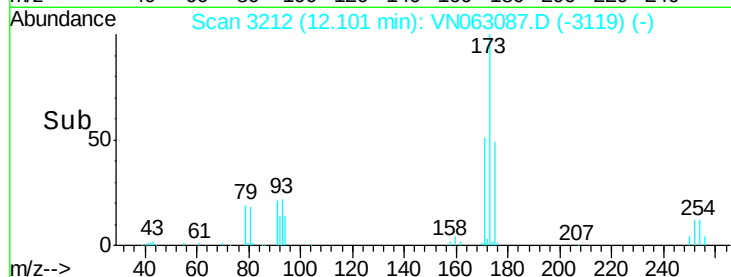
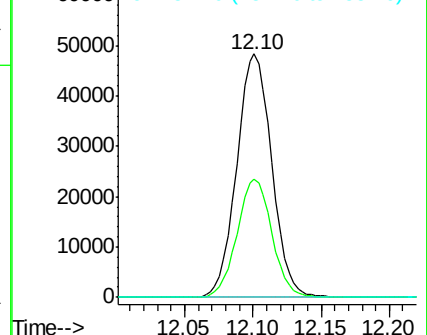
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

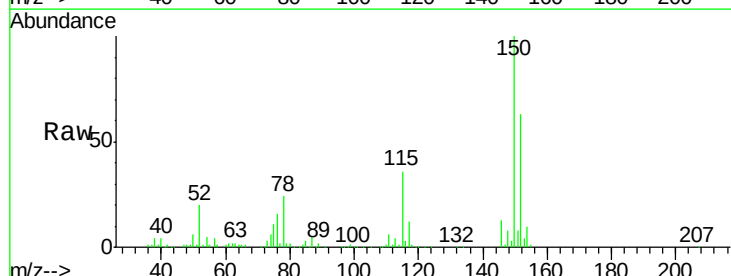
Tgt Ion:152 Resp: 136383

Ion Ratio Lower Upper

152 100

115 56.3 28.7 86.3

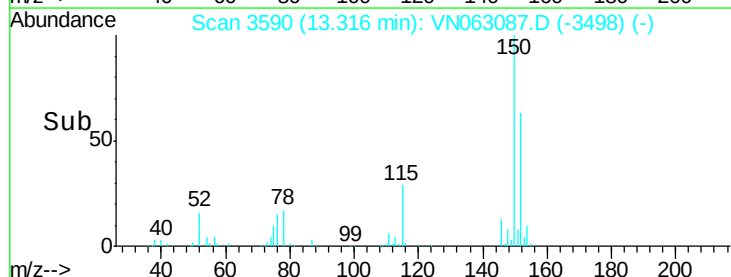
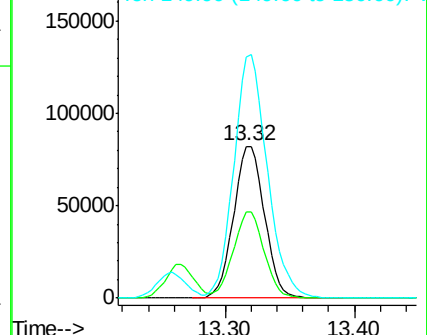
150 174.1 0.0 348.8

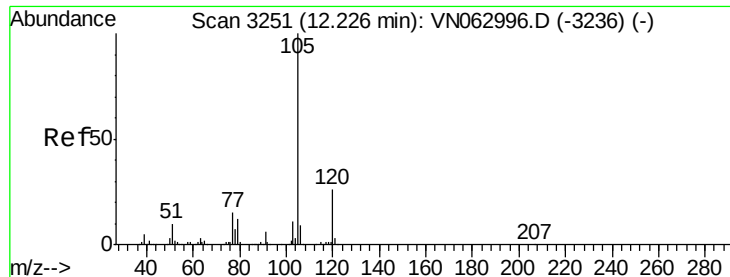


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.825 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 456007

Ion Ratio Lower Upper

105 100

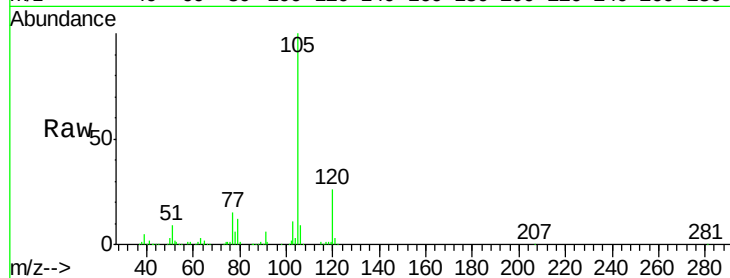
120 26.4 13.2 39.6

Manual Integrations

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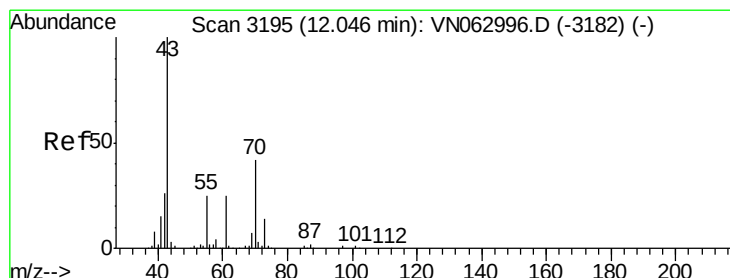
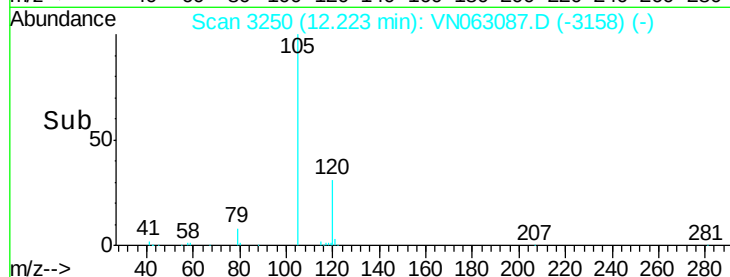
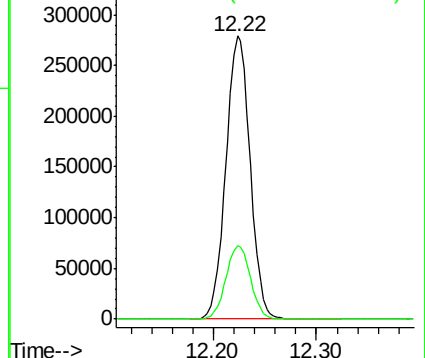
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.806 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Tgt Ion: 43 Resp: 173289

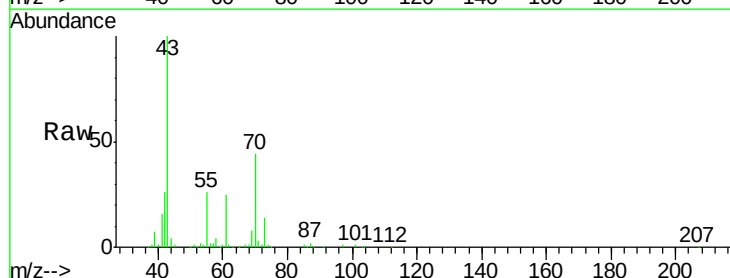
Ion Ratio Lower Upper

43 100

70 43.1 33.4 50.0

55 26.7 20.2 30.2

61 24.8 19.9 29.9

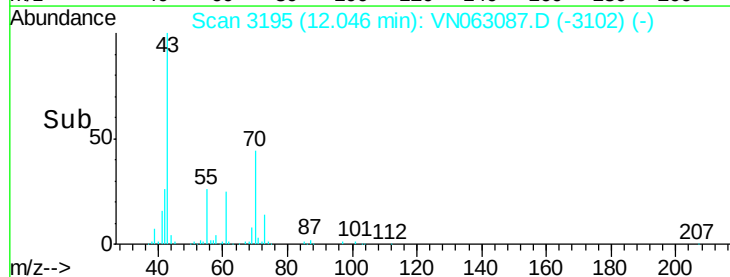
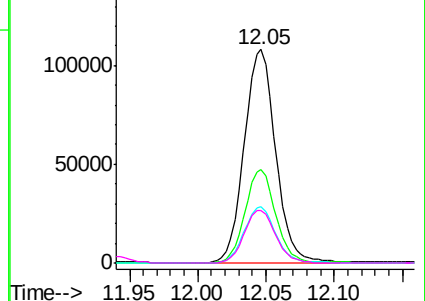


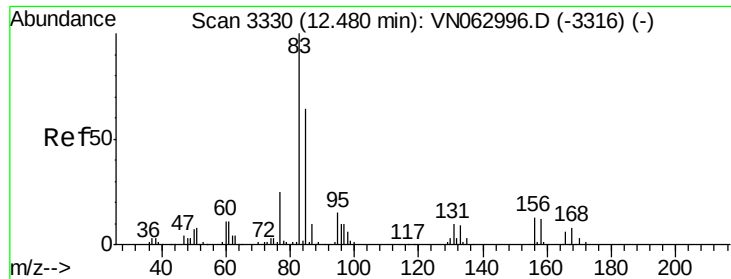
Abundance Ion 43.00 (42.70 to 43.70): V

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: 50.227 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Instrument :

MSVOA_N

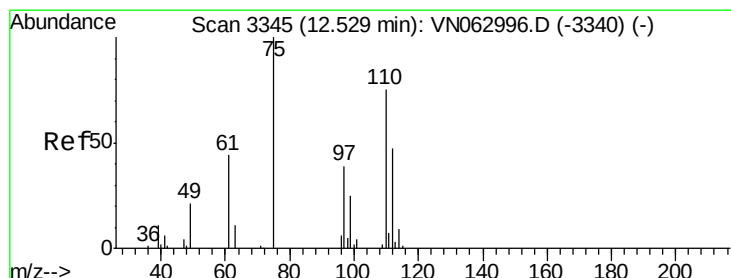
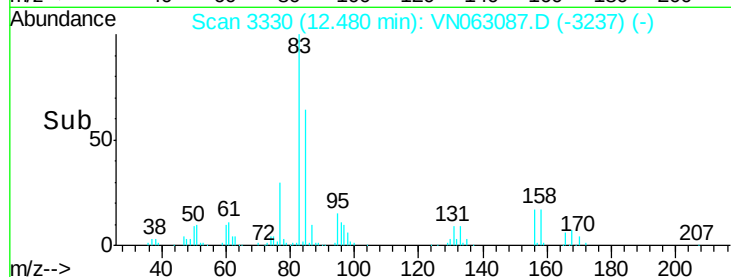
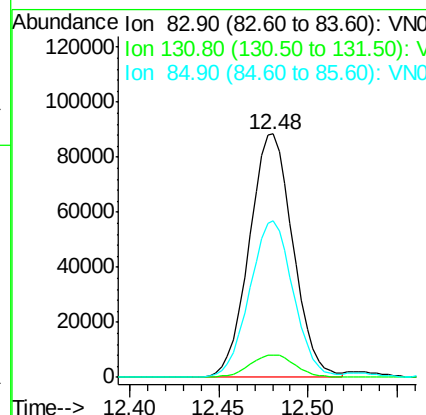
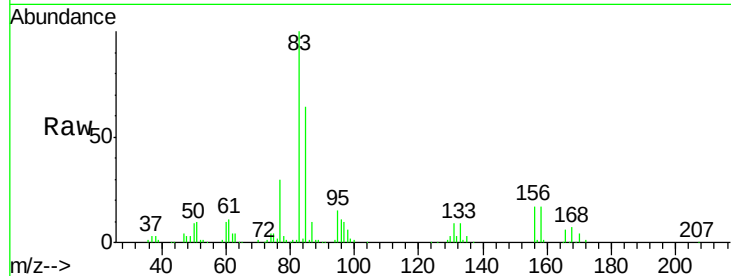
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	151349
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	64.1	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.980 ug/l m

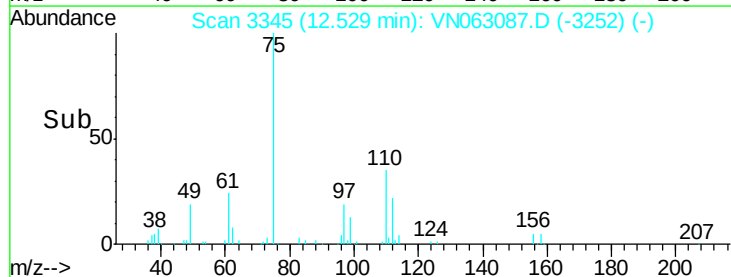
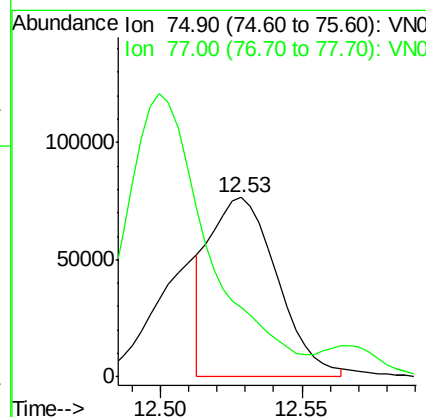
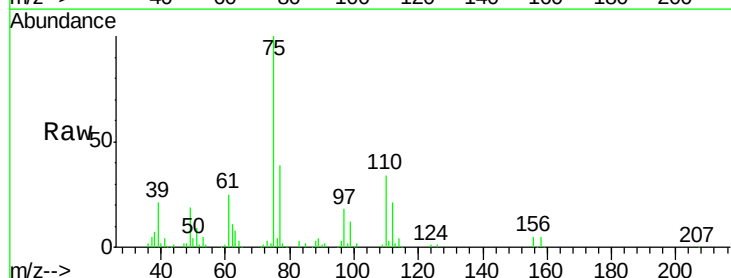
RT: 12.53 min Scan# 3345

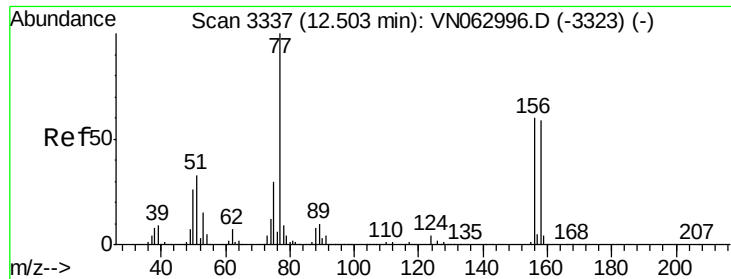
Delta R.T. 0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Tgt Ion:	75	Resp:	127194
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





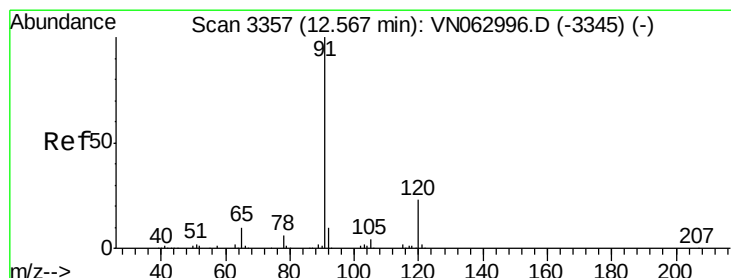
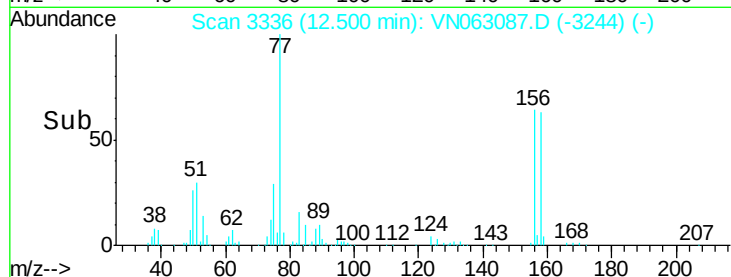
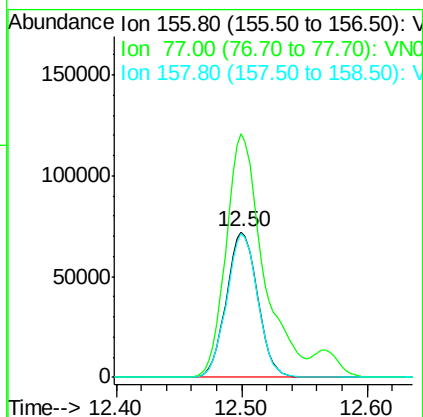
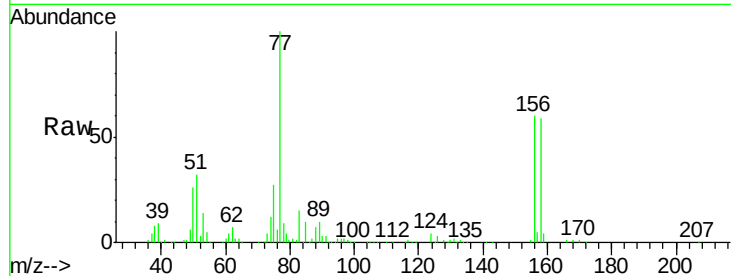
#77
Bromobenzene
Concen: 48.449 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	199.0	101.0	302.9
158	97.8	49.4	148.0

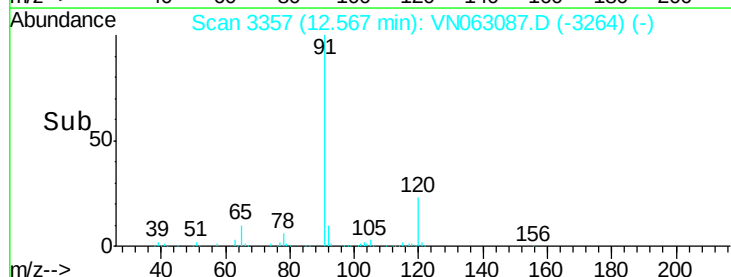
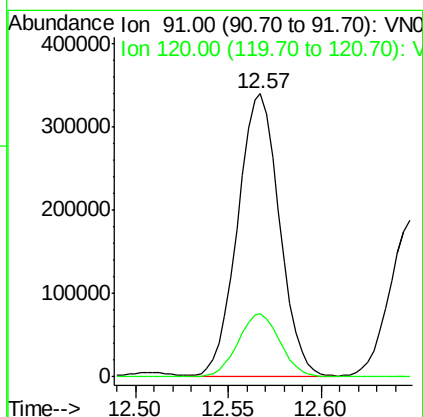
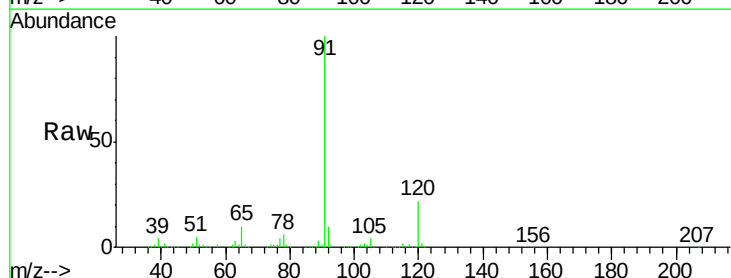
Manual Integrations
APPROVED

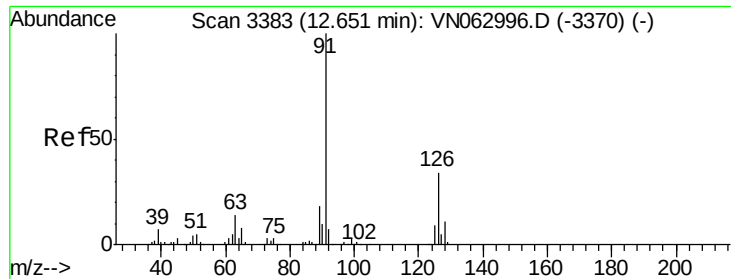
MMDadoda
8/25/2020 12:14:45 PM



#78
n-propylbenzene
Concen: 49.826 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.4	34.1





#79

2-Chlorotoluene

Concen: 47.238 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 316300

Ion Ratio Lower Upper

91 100

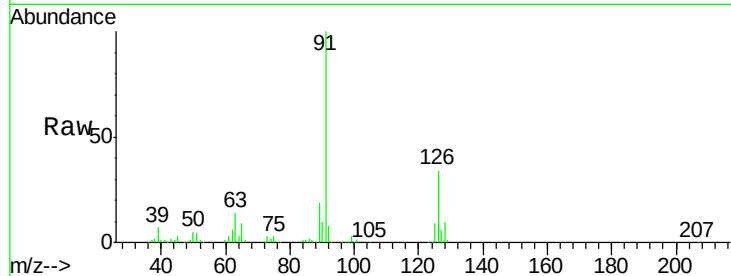
126 34.4 17.1 51.2

Manual Integrations

APPROVED

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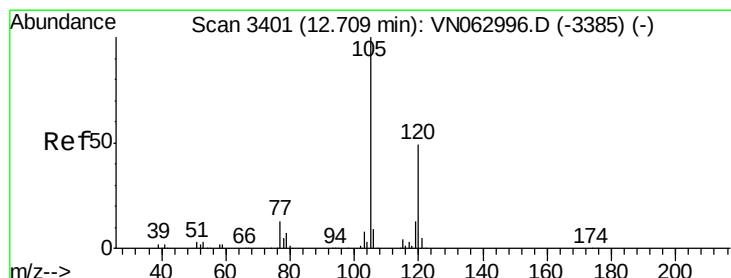
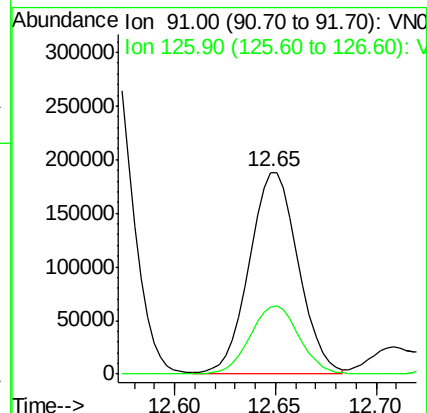
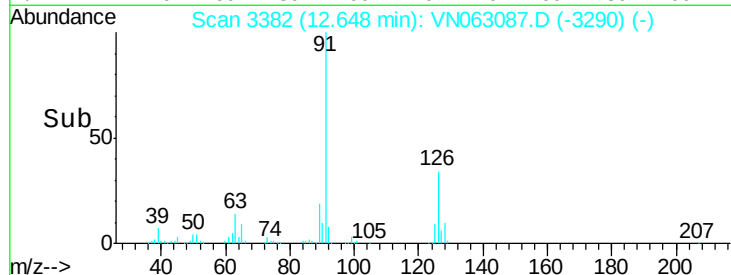
8/25/2020 12:14:45 PM



Abundance Ion 91.00 (90.70 to 91.70): VN062996.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN062996.D (-3370) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.937 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN063087.D

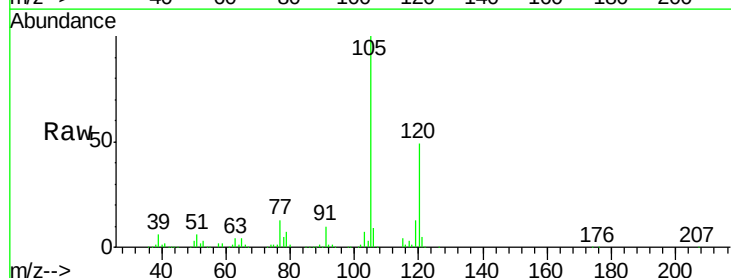
Acq: 24 Aug 2020 11:43

Tgt Ion: 105 Resp: 385542

Ion Ratio Lower Upper

105 100

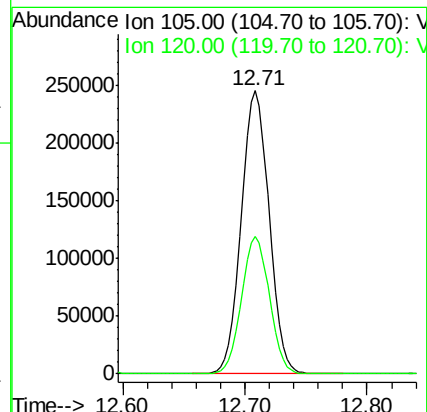
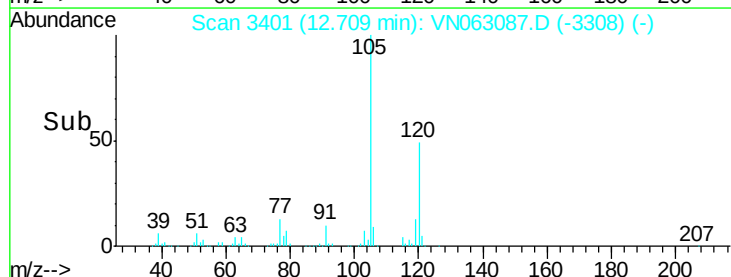
120 48.9 24.3 72.8

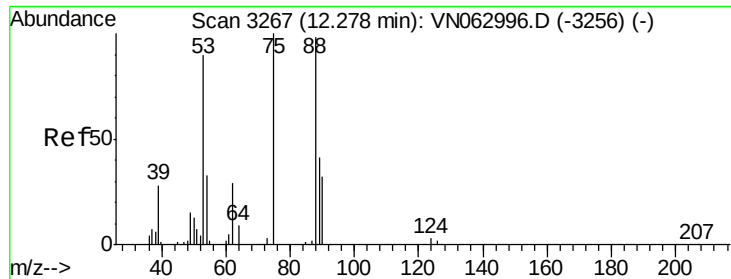


Abundance Ion 105.00 (104.70 to 105.70): VN062996.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN062996.D (-3385) (-)

Time-->





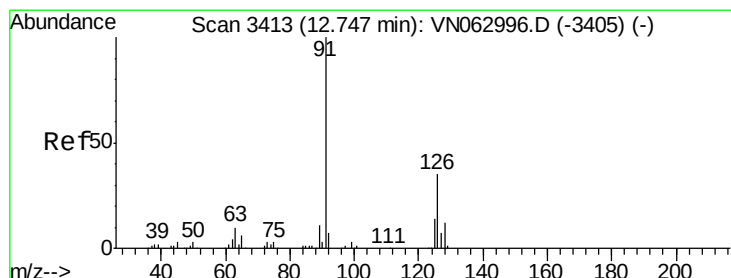
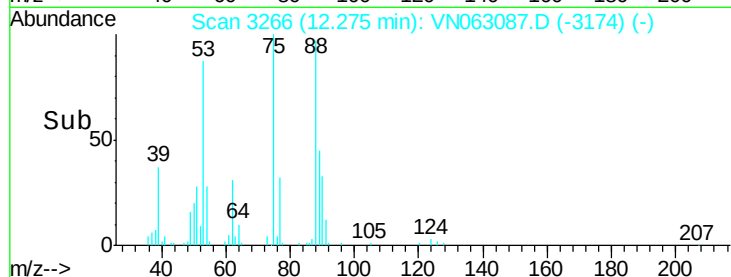
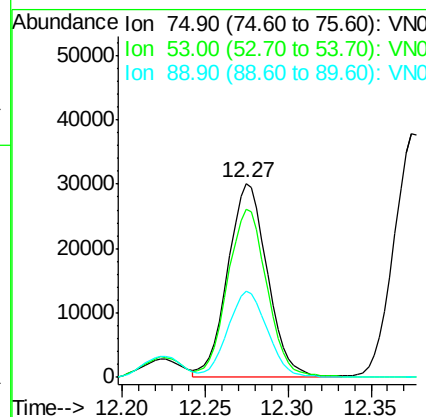
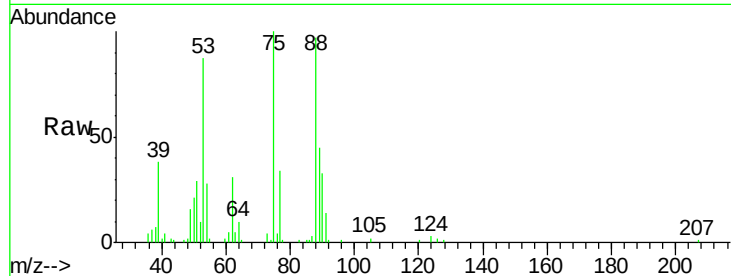
#81
trans-1,4-Dichloro-2-butene
Concen: 52.011 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.7	69.2	103.8
89	44.3	34.2	51.4

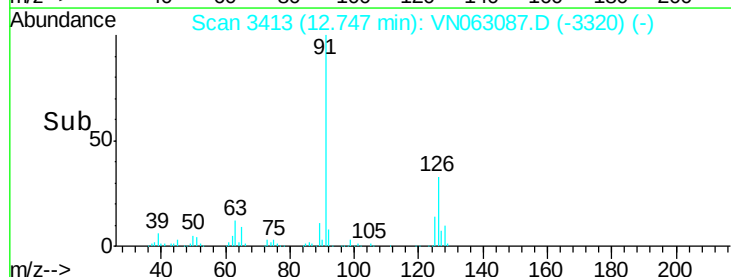
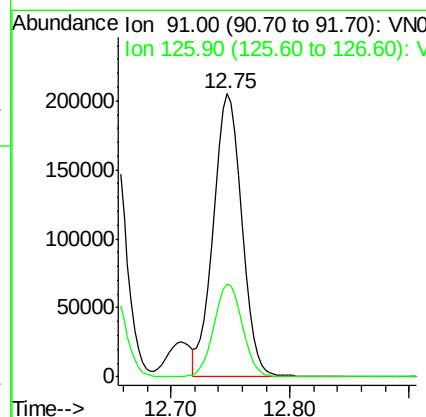
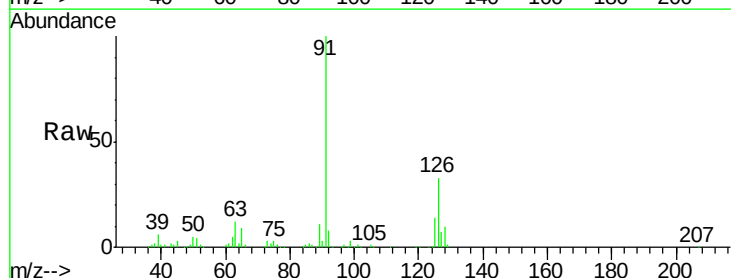
Manual Integrations
APPROVED

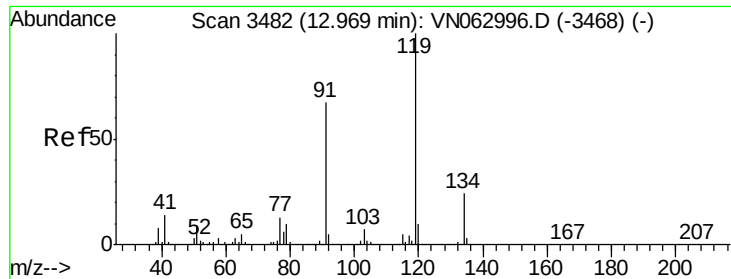
MMDadoda
8/25/2020 12:14:45 PM



#82
4-Chlorotoluene
Concen: 49.841 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.5	49.5





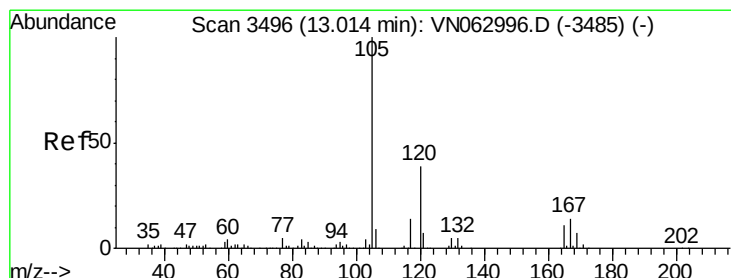
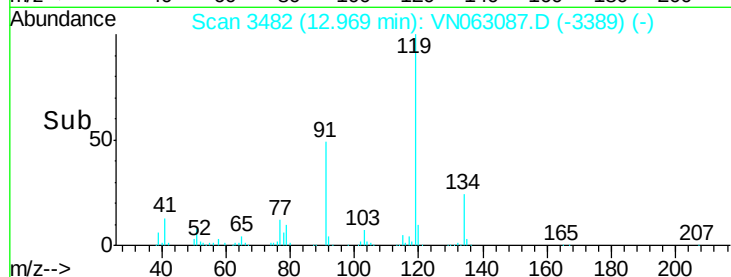
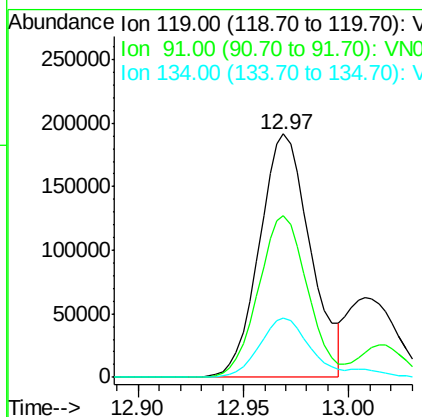
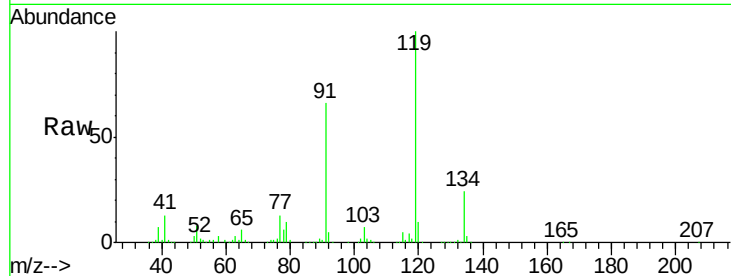
#83
 tert-Butylbenzene
 Concen: 48.332 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	322068		
91	64.3		32.5	97.4
134	23.8		13.1	39.3

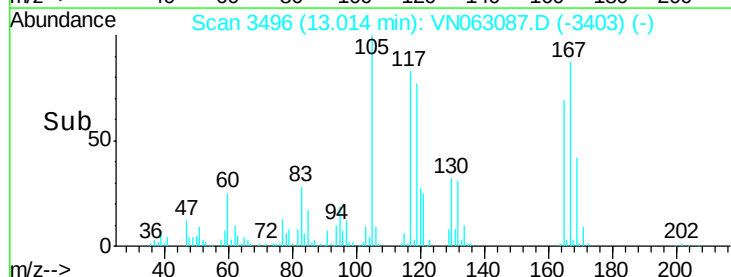
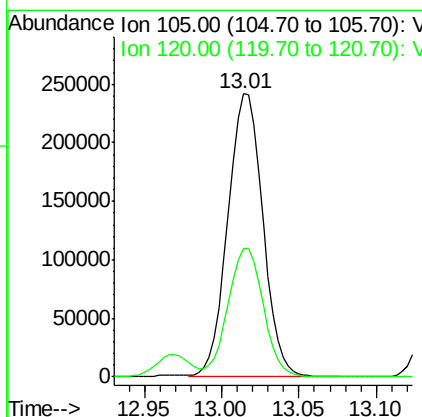
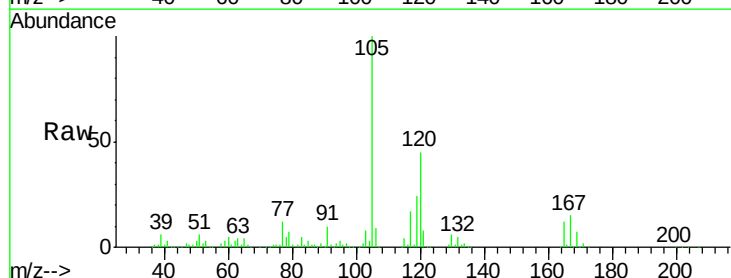
Manual Integrations
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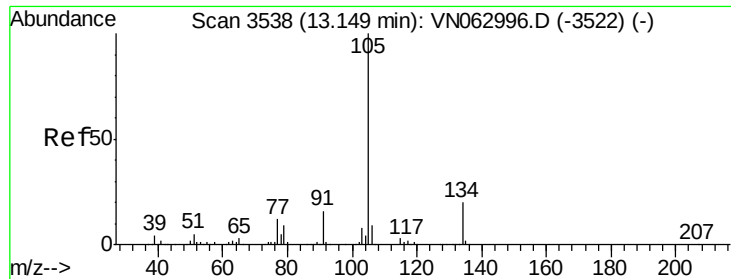
MMDadoda
 8/25/2020 12:14:45 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.250 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	377949		
120	46.0		22.5	67.5





#85

sec-Butylbenzene

Concen: 46.781 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 421303

Ion Ratio Lower Upper

105 100

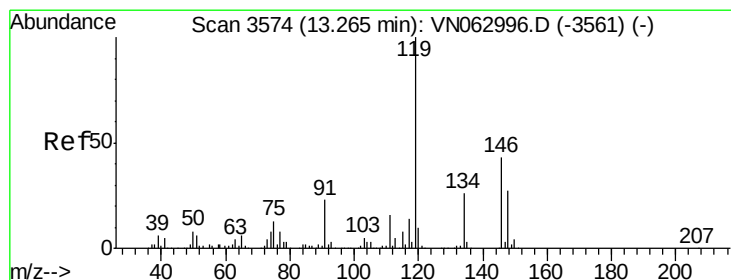
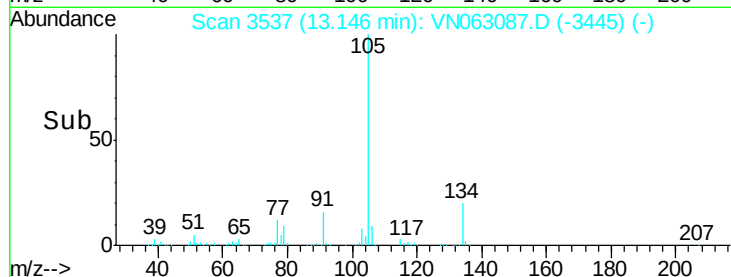
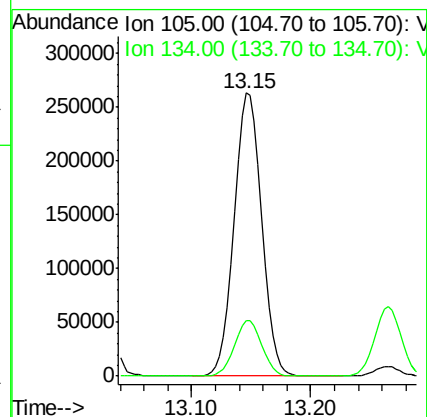
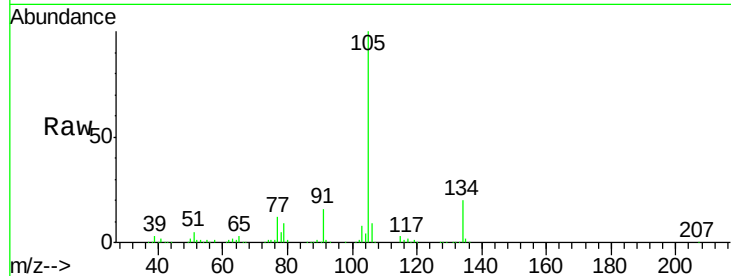
134 19.6 9.8 29.4

Manual Integrations

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8/25/2020 12:14:45 PM



#86

p-Isopropyltoluene

Concen: 47.836 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

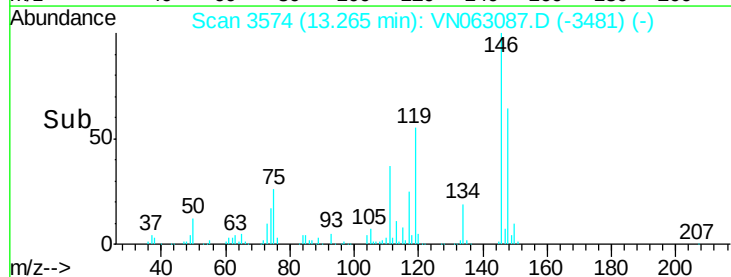
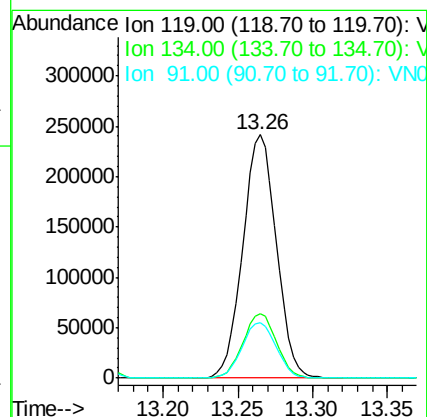
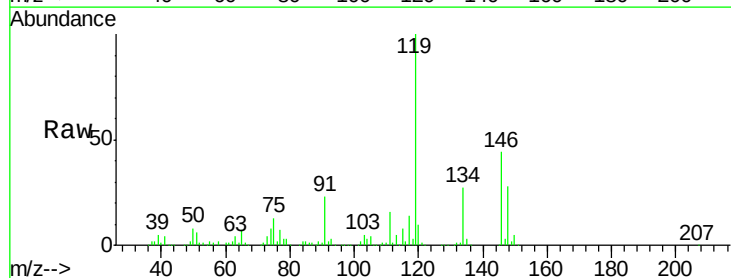
Tgt Ion:119 Resp: 375367

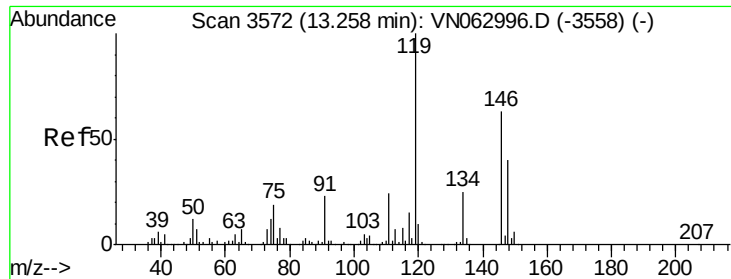
Ion Ratio Lower Upper

119 100

134 26.7 13.1 39.3

91 23.2 11.5 34.4





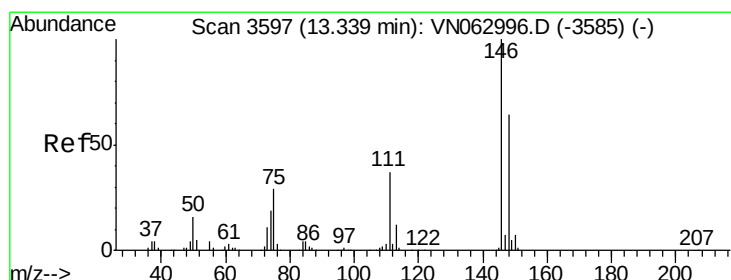
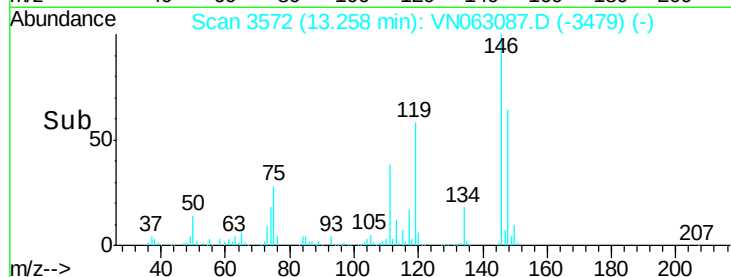
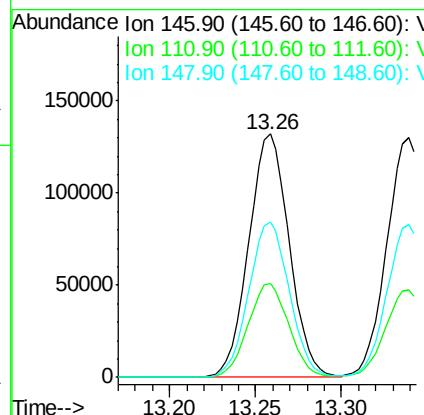
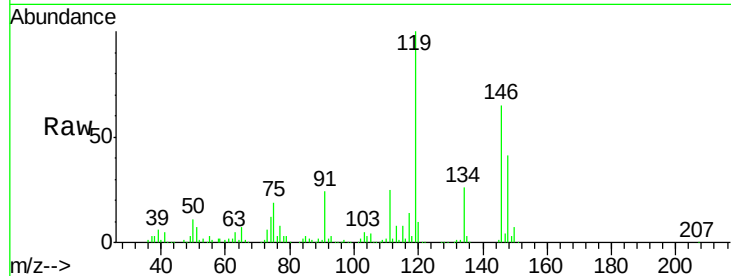
#87
 1,3-Dichlorobenzene
 Concen: 48.931 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.1
148	64.1	32.0	96.0

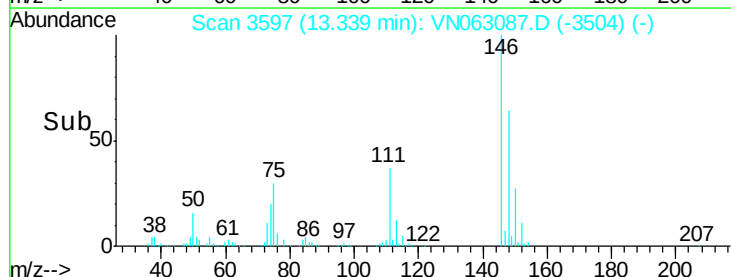
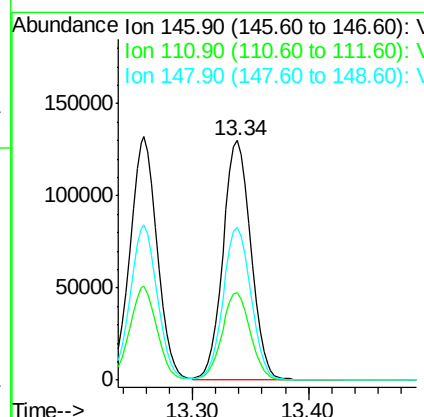
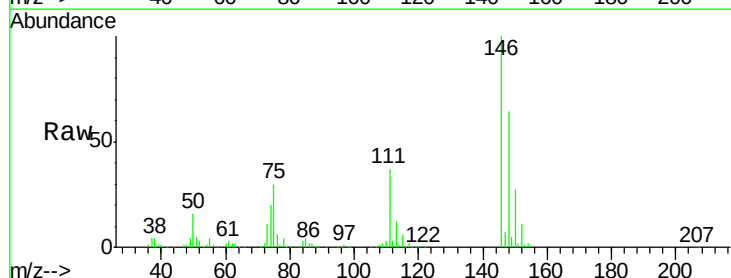
Manual Integrations
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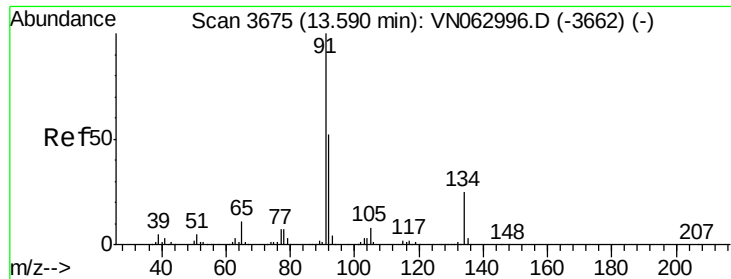
MMDadoda
 8/25/2020 12:14:45 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.377 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.8	56.4
148	63.4	32.4	97.0





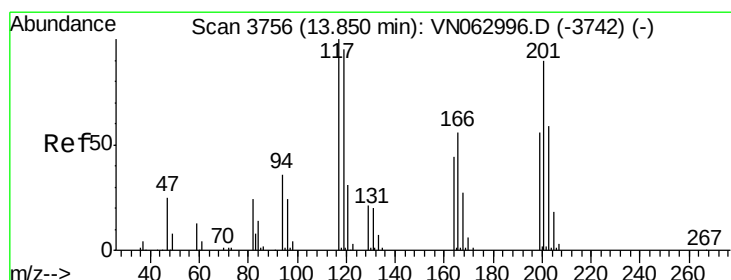
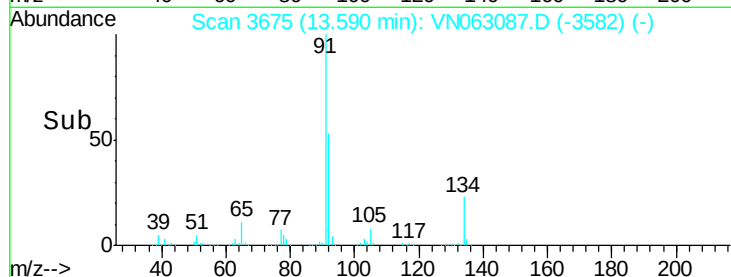
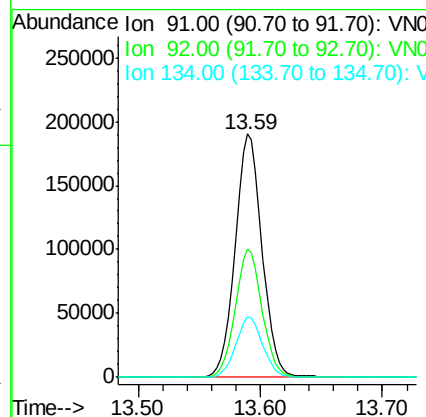
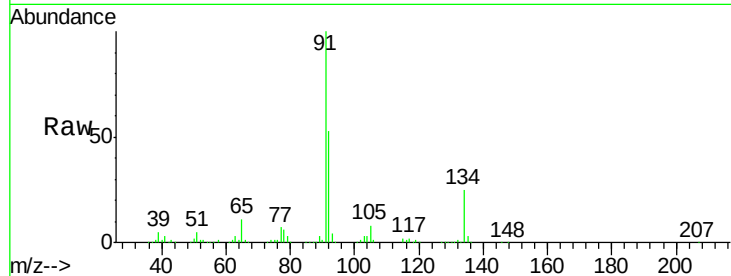
#89
n-Butylbenzene
Concen: 39.946 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	292705		
92	52.5		25.9	77.6
134	24.8		12.4	37.0

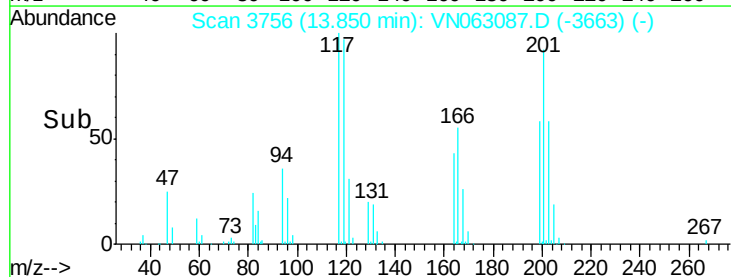
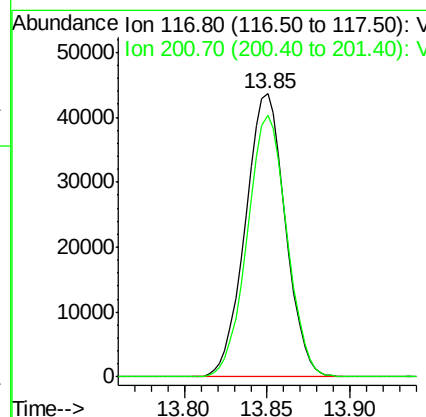
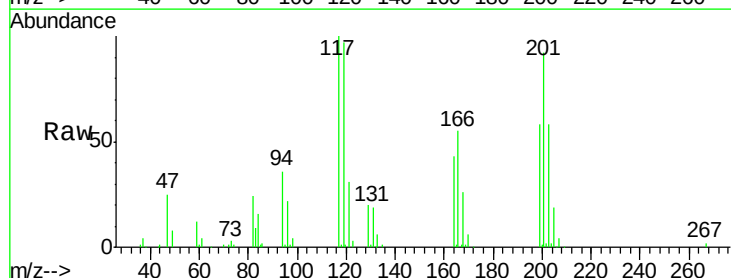
Manual Integrations
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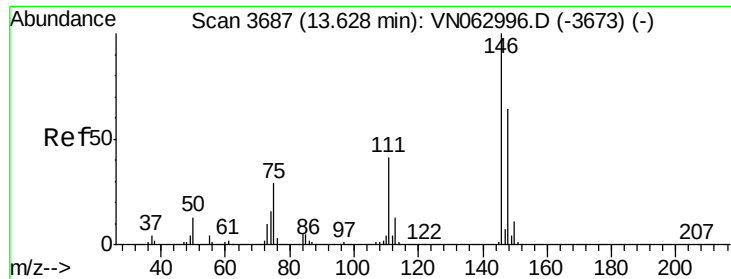
MMDadoda
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#90
Hexachloroethane
Concen: 43.904 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN063087.D
Acq: 24 Aug 2020 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	73226		
201	91.2		44.1	132.4





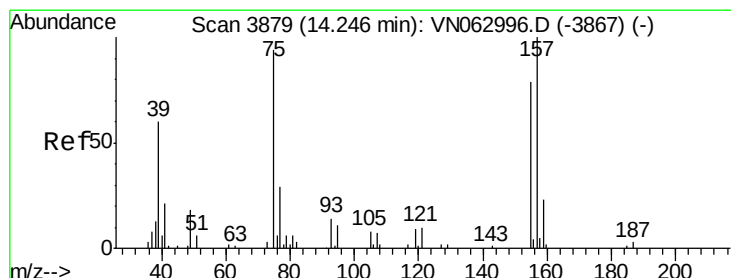
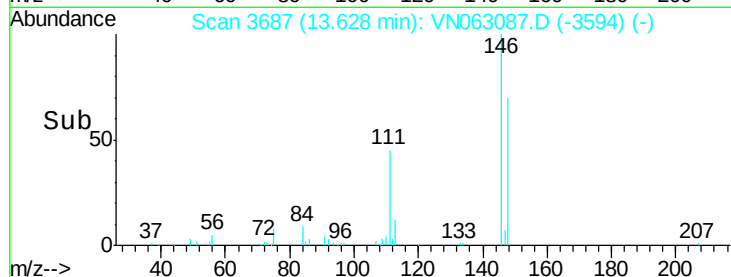
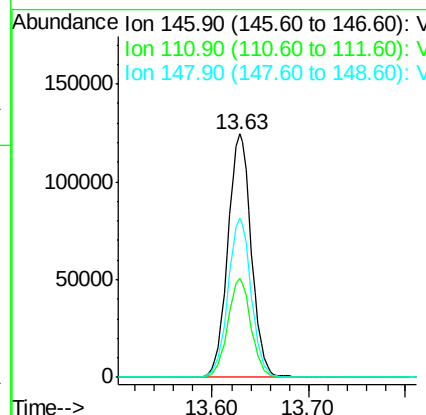
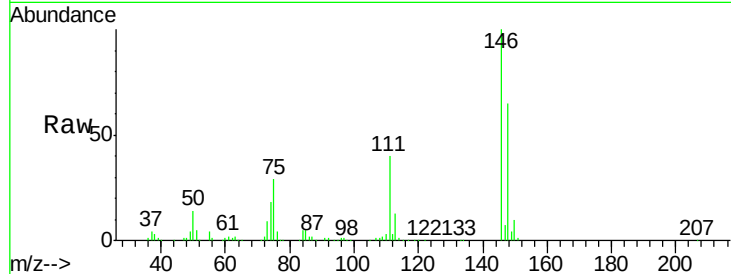
#91
 1,2-Dichlorobenzene
 Concen: 49.050 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.2	60.5
148	64.2	31.9	95.5

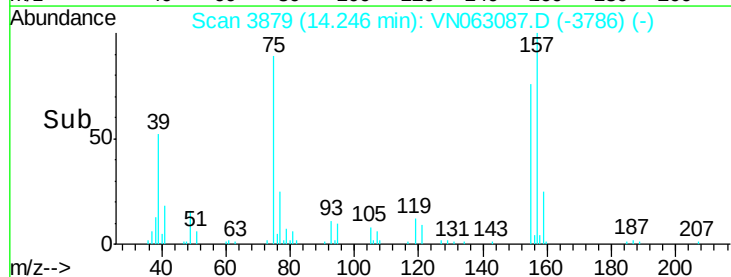
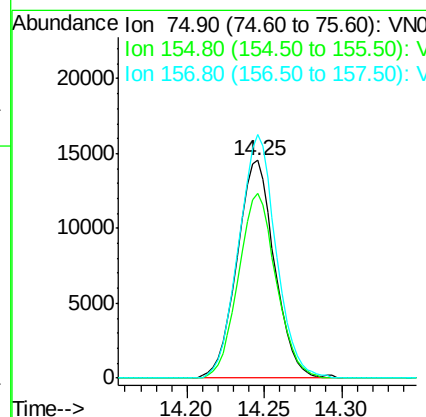
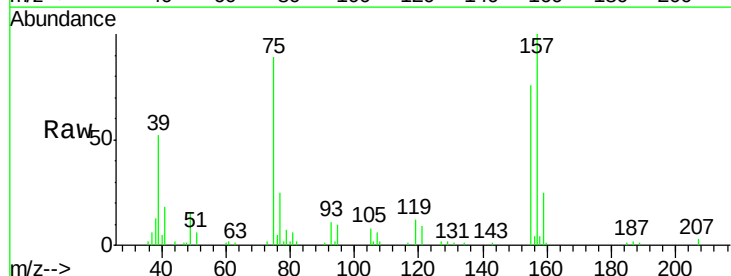
Manual Integrations
 APPROVED

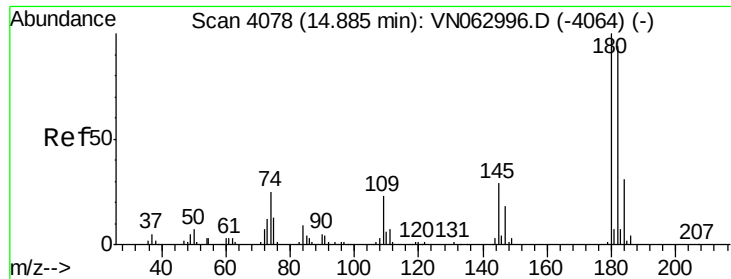
MMDadoda
 8/25/2020 12:14:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.145 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.2	42.4	127.1
157	111.3	55.2	165.6





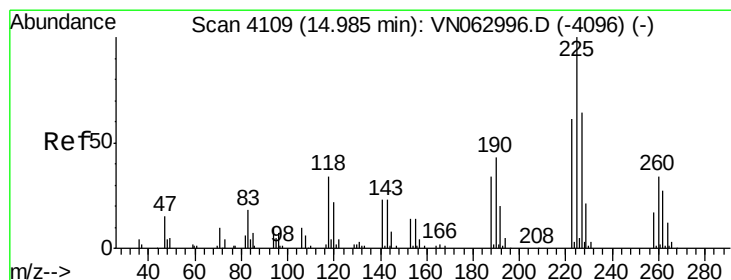
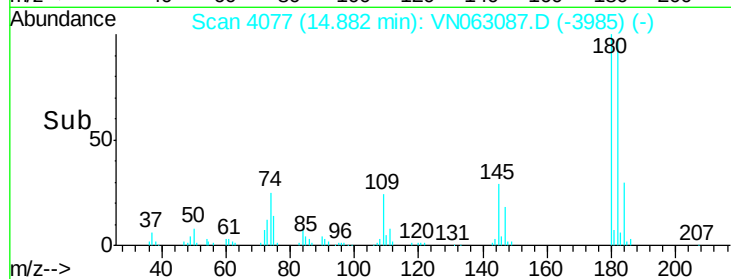
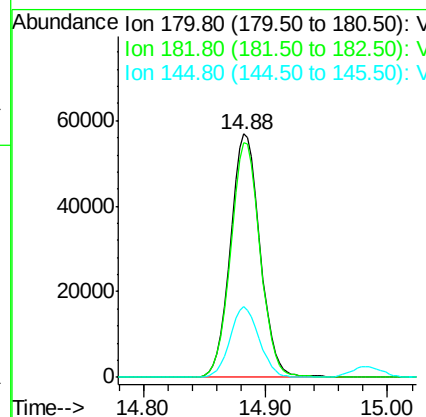
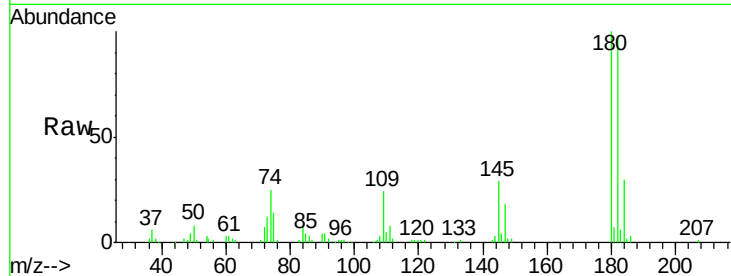
#93
 1,2,4-Trichlorobenzene
 Concen: 41.687 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	96570		
182	95.8	47.0	141.2	
145	28.6	14.1	42.4	

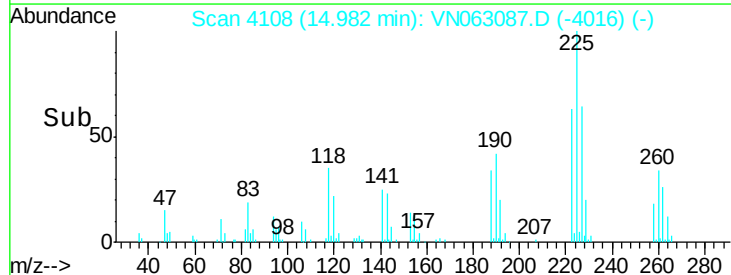
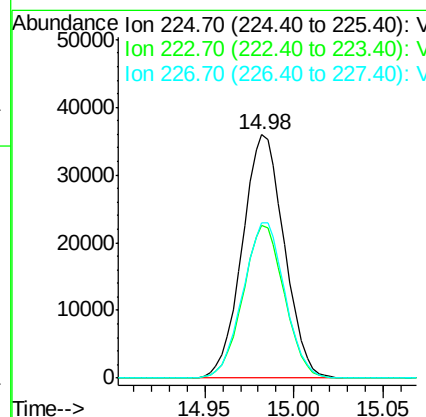
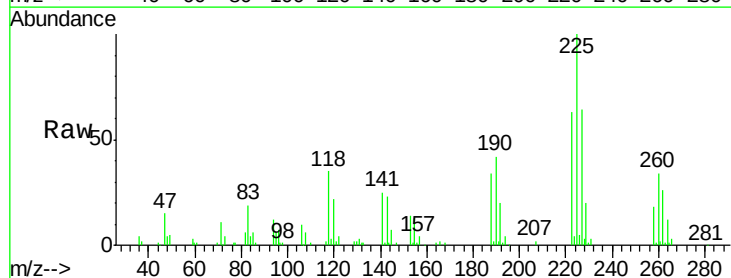
Manual Integrations
 APPROVED

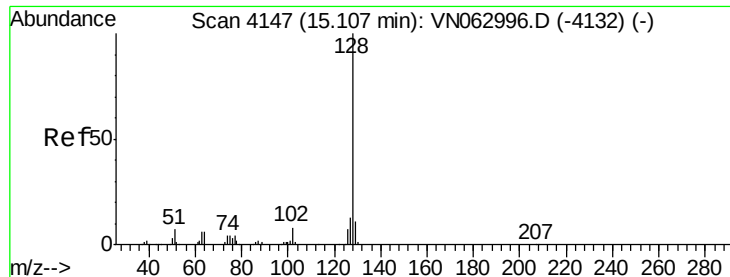
MMDadoda
 8/25/2020 12:14:45 PM



#94
 Hexachlorobutadiene
 Concen: 37.559 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN063087.D
 Acq: 24 Aug 2020 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59181		
223	61.6	30.9	92.5	
227	63.6	31.9	95.9	





#95

Naphthalene

Concen: 42.511 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Instrument :

MSVOA_N

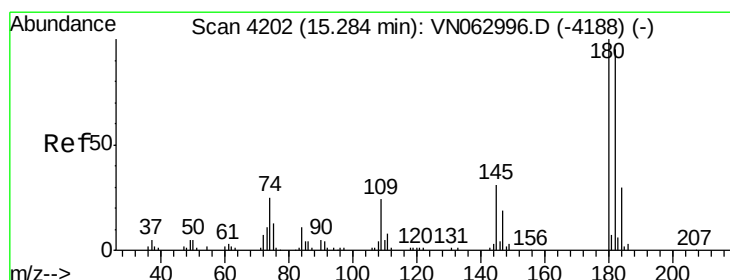
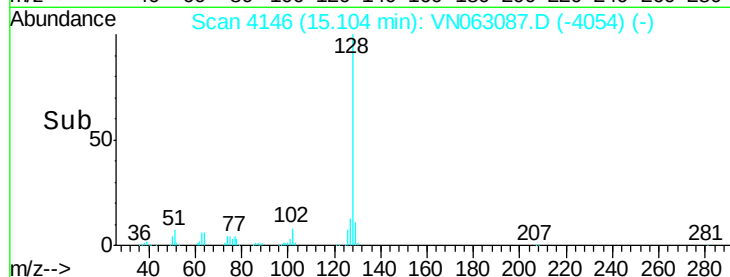
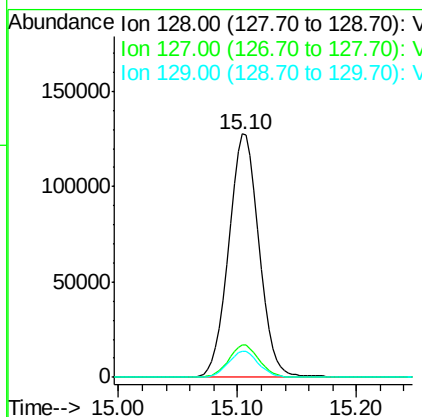
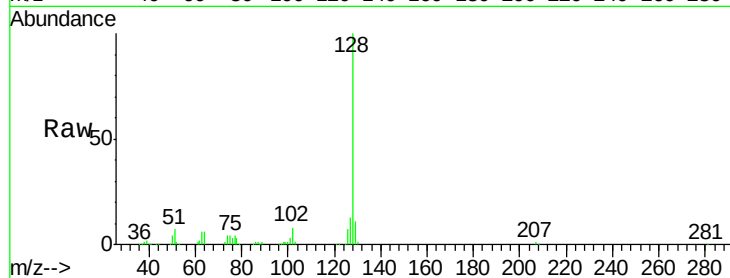
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	226145
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	10.7	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/25/2020 12:14:45 PM



#96

1,2,3-Trichlorobenzene

Concen: 40.553 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN063087.D

Acq: 24 Aug 2020 11:43

Tgt Ion:	180	Resp:	92080
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.3	141.9
145	30.3	15.6	46.7

