

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041222\
 Data File : VL038898.D
 Acq On : 12 Apr 2022 19:04
 Operator : SY/AP
 Sample : MDL 0.1 NAPHT.
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 MDL 0.1 NAPHT.

Quant Time: Apr 13 01:18:05 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1125778	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2596566	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2270218	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1843140	10.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	23756	0.149 ppbv	95
3) Chlorodifluoromethane	2.99	51	17837	0.130 ppbv	96
4) Chloromethane	3.14	50	5305	0.075 ppbv	96
5) Vinyl Chloride	3.25	62	6900	0.105 ppbv	92
6) Bromomethane	3.47	94	2145	0.067 ppbv	82
7) Chloroethane	3.56	64	1902	0.087 ppbv	96
8) Dichlorotetrafluoroethane	3.19	85	17199	0.115 ppbv	94
9) Propene	3.01	41	11483	0.158 ppbv	99
11) Trichlorofluoromethane	3.95	101	14045	0.109 ppbv #	82
12) 1,1,2-Trichlorotrifluoroet	4.48	101	11273	0.115 ppbv	95
13) Ethanol	3.60	45	134	0.030 ppbv #	100
14) Bromoethene	3.74	108	2321	0.054 ppbv #	1
16) 1,3-Butadiene	3.33	39	6869	0.107 ppbv	94
18) 1,1-Dichloroethene	4.29	96	1987	0.044 ppbv #	1
20) Methylene Chloride	4.35	84	6536	0.161 ppbv #	55
21) Allyl Chloride	4.41	41	6142	0.073 ppbv #	52
22) trans-1,2-Dichloroethene	4.89	96	1547	0.034 ppbv #	10
24) 1,1-Dichloroethane	5.01	63	8189	0.083 ppbv #	88
26) Hexane	5.68	57	6220	0.048 ppbv #	1
29) Chloroform	5.75	83	18928	0.105 ppbv	88
30) Cyclohexane	7.12	84	4774	0.042 ppbv #	1
31) cis-1,2-Dichloroethene	5.55	61	5141	0.043 ppbv	93
32) 1,1,1-Trichloroethane	6.51	97	9382	0.051 ppbv #	4
35) Carbon Tetrachloride	7.01	117	9549	0.061 ppbv #	27
36) Benzene	6.88	78	22158	0.094 ppbv	95
37) 1,2-Dichloroethane	6.30	62	10320	0.096 ppbv #	90
38) Trichloroethene	7.82	130	3841	0.040 ppbv	92
39) 1,2-Dichloropropane	7.17	63	714785	7.911 ppbv #	27
42) Bromodichloromethane	7.78	83	10614	0.062 ppbv #	69
44) 2,2,4-Trimethylpentane	7.86	57	27830	0.070 ppbv #	55
47) 1,1,2-Trichloroethane	9.46	97	6341	0.068 ppbv #	80
48) Dibromochloromethane	10.29	129	6202	0.043 ppbv #	11
52) Tetrachloroethene	11.20	164	3196	0.039 ppbv #	66
54) 1,2-Dibromoethane	10.60	107	6459	0.050 ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.11	131	7860	0.079 ppbv #	42
57) Chlorobenzene	12.14	112	22622	0.122 ppbv #	71
58) Ethyl Benzene	12.96	91	21614	0.064 ppbv	98
59) m/p-Xylene	12.98	91	10762	0.038 ppbv #	30
60) o-Xylene	13.67	91	12429	0.047 ppbv #	12
62) Isopropylbenzene	14.65	105	26144	0.065 ppbv #	48
64) n-propylbenzene	15.54	120	5353	0.052 ppbv #	1

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QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration

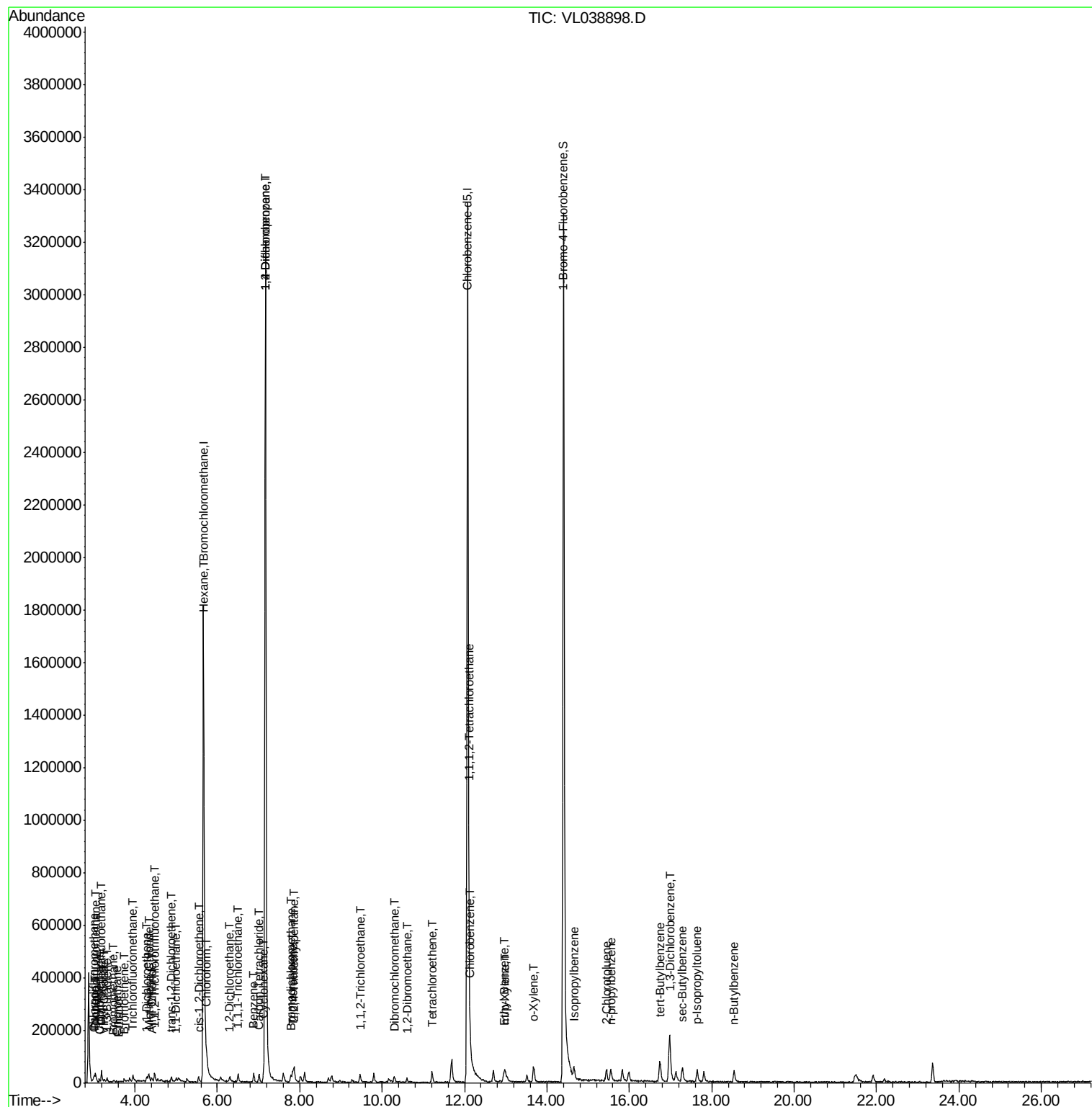
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) tert-Butylbenzene	16.74	119	27304	0.077	ppbv #	50
67) sec-Butylbenzene	17.28	105	29568	0.059	ppbv #	72
69) p-Isopropyltoluene	17.64	119	18446	0.045	ppbv #	48
70) n-Butylbenzene	18.54	91	24424	0.059	ppbv #	54
71) 2-Chlorotoluene	15.44	91	14241	0.047	ppbv #	42
75) 1,3-Dichlorobenzene	16.98	146	7055	0.040	ppbv #	1

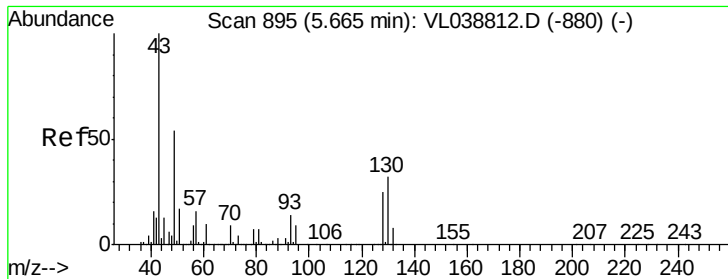
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: MDL 0.1 NAPHT.

Acq: 12 Apr 2022 19:04

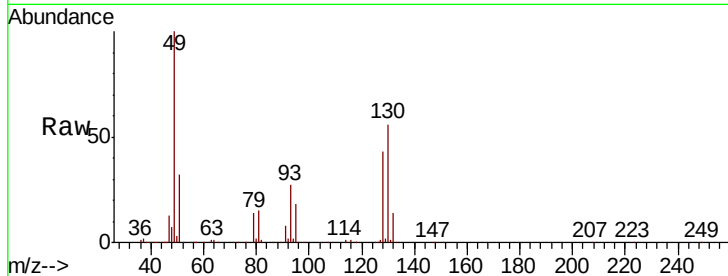
Tot Ion: 49 Resp: 1125778

Ion Ratio Lower Upper

49 100

128 45.2 24.1 72.3

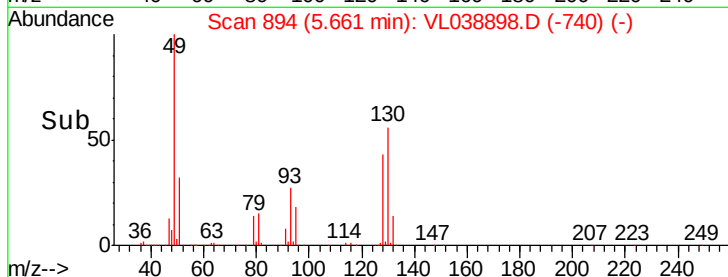
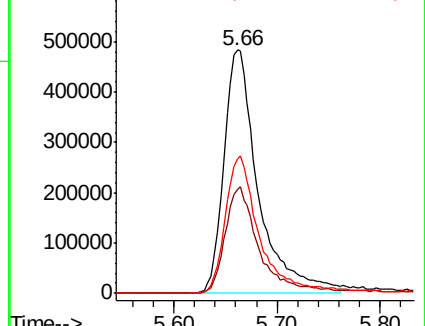
130 57.0 30.9 92.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.149 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL038898.D

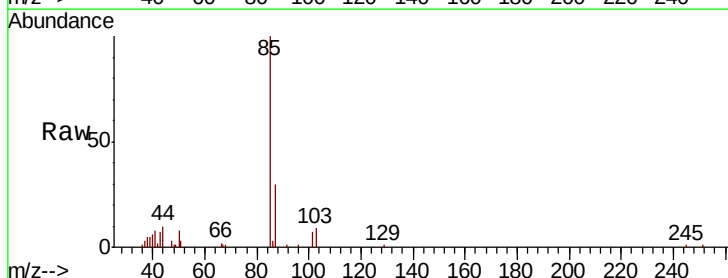
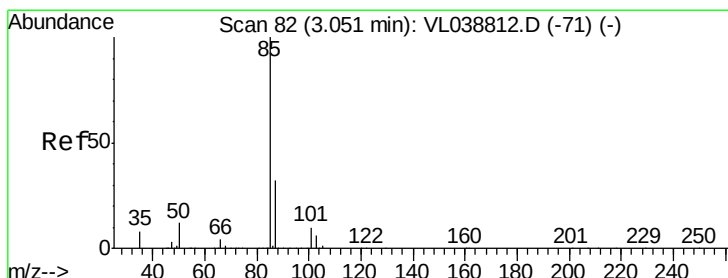
Acq: 12 Apr 2022 19:04

Tgt Ion: 85 Resp: 23756

Ion Ratio Lower Upper

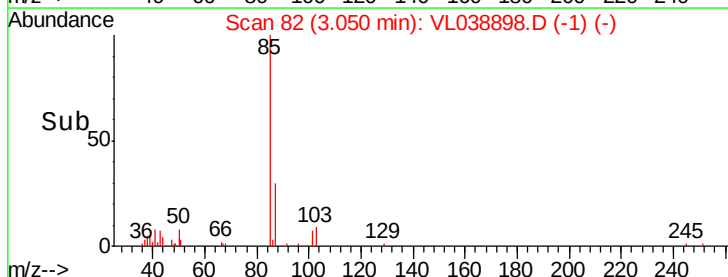
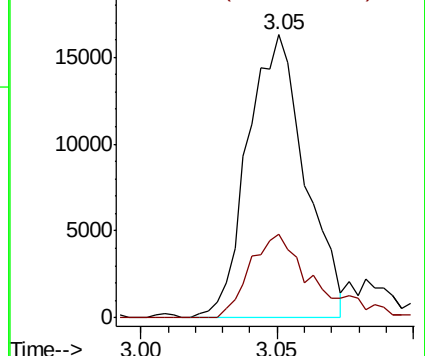
85 100

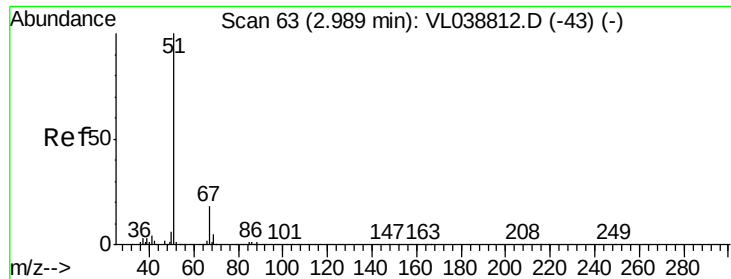
87 29.8 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

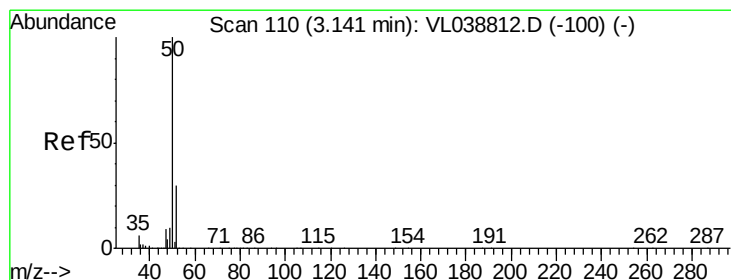
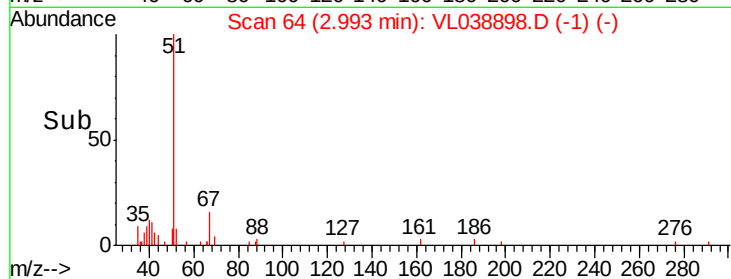
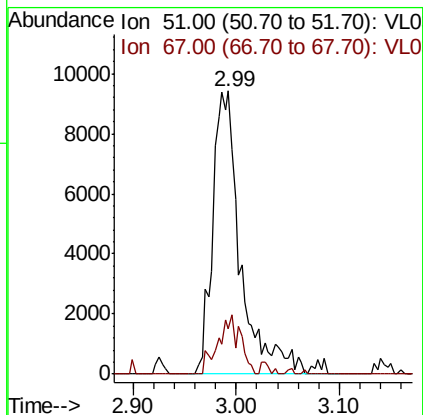
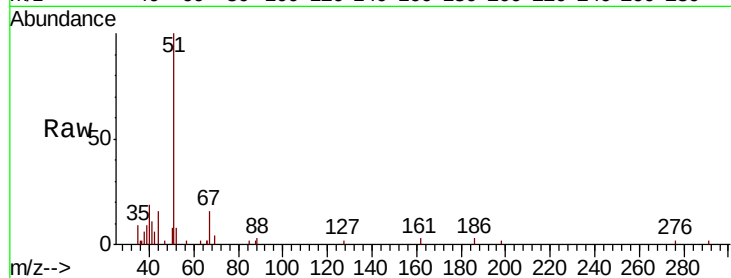
Ion 87.00 (86.70 to 87.70): VL0





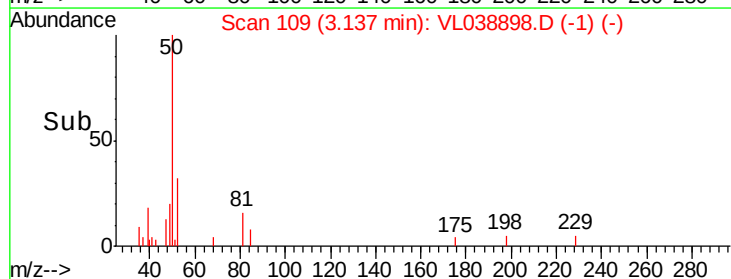
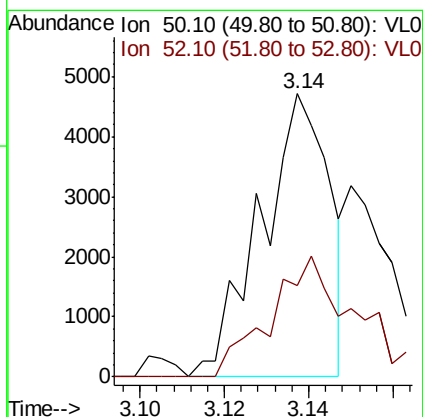
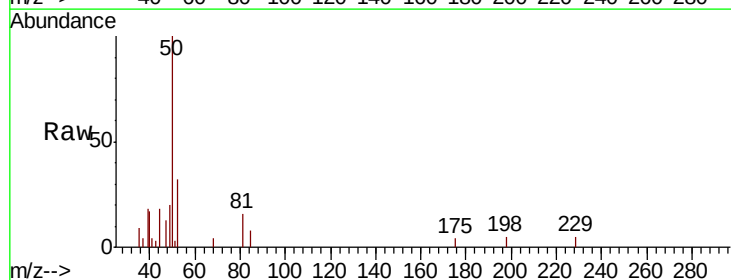
#3
 Chlorodifluoromethane
 Concen: 0.130 ppbv
 RT: 2.99
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 12 Apr 2022 19:04

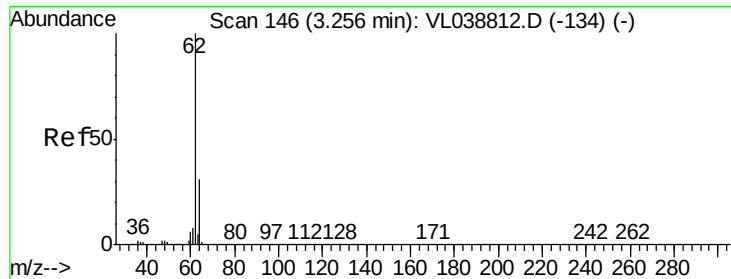
Tot Ion: 51 Resp: 17837
 Ion Ratio Lower Upper
 51 100
 67 18.5 13.4 20.0



#4
 Chloromethane
 Concen: 0.075 ppbv
 RT: 3.14 min Scan# 109
 Delta R.T. -0.00 min
 Lab File: VL038898.D
 Acq: 12 Apr 2022 19:04

Tgt Ion: 50 Resp: 5305
 Ion Ratio Lower Upper
 50 100
 52 32.5 24.3 36.5





#5

Vinyl Chloride

Concen: 0.105 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

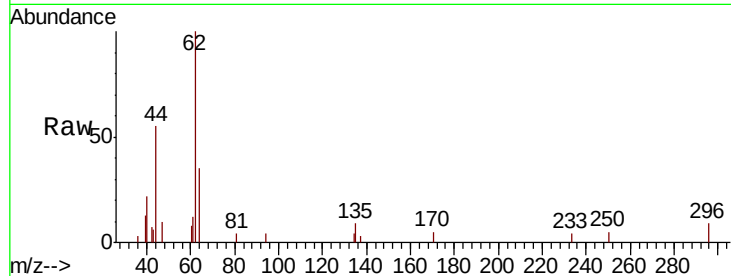
Acq: 12 Apr 2022 19:04 MDL 0.1 NAPHT.

Tot Ion: 62 Resp: 6900

Ion Ratio Lower Upper

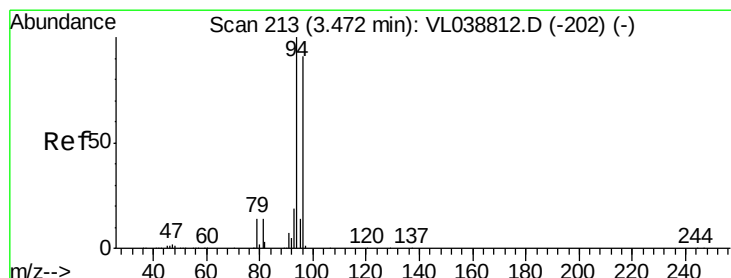
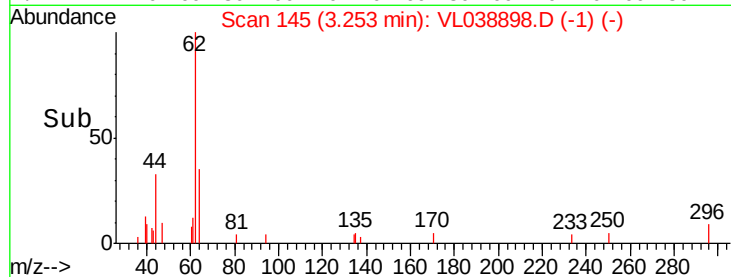
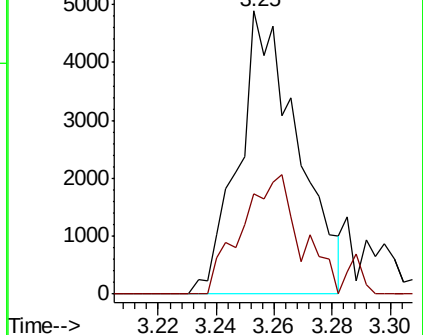
62 100

64 35.4 24.6 37.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.067 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL038898.D

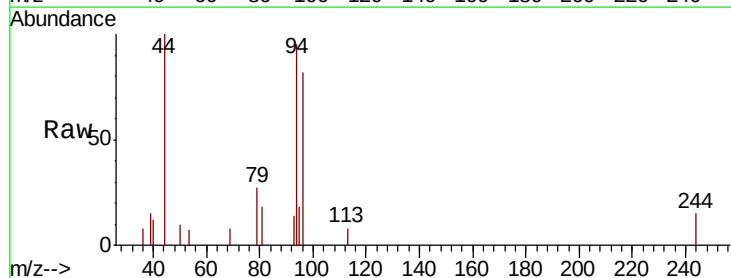
Acq: 12 Apr 2022 19:04

Tgt Ion: 94 Resp: 2145

Ion Ratio Lower Upper

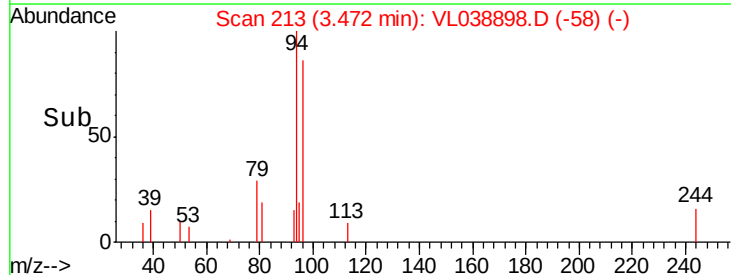
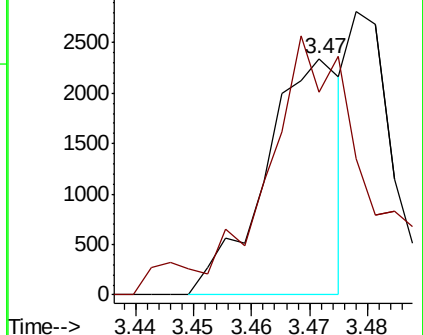
94 100

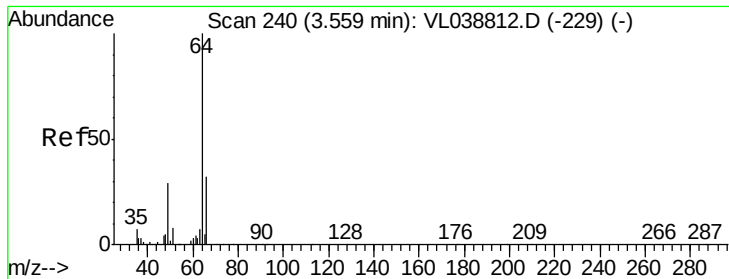
96 74.6 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.087 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

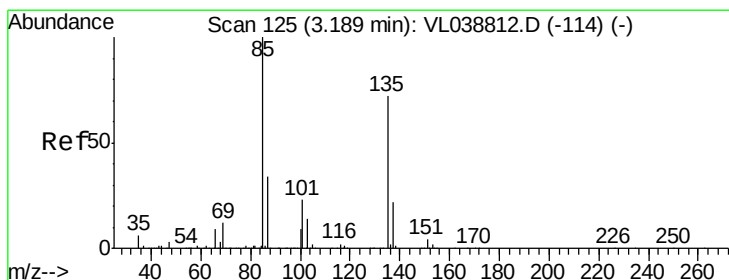
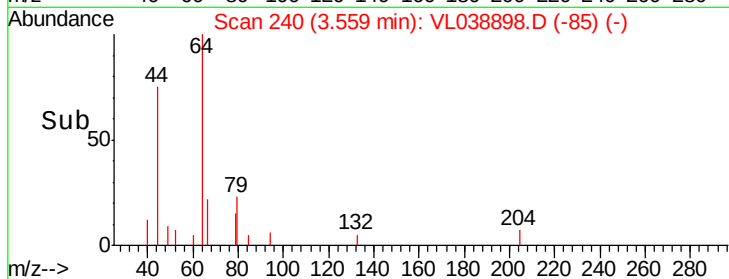
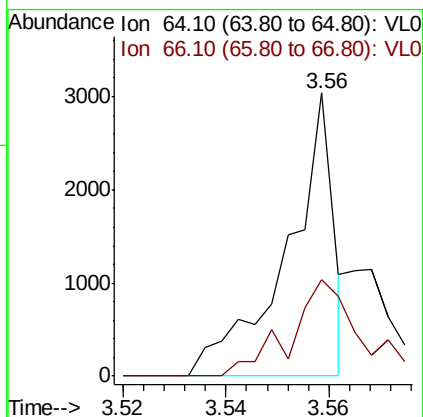
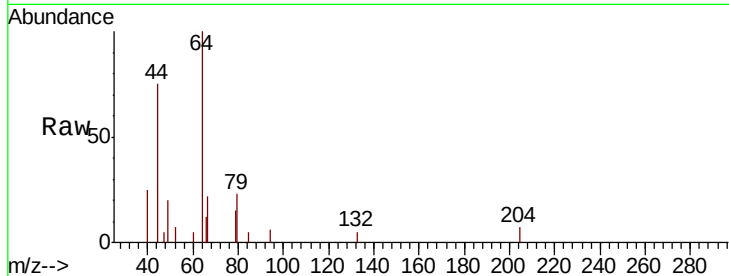
Acq: 12 Apr 2022 19:04 MDL 0.1 NAPHT.

Tot Ion: 64 Resp: 1902

Ion Ratio Lower Upper

64 100

66 34.0 25.4 38.2



#8

Dichlorotetrafluoroethane

Concen: 0.115 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.00 min

Lab File: VL038898.D

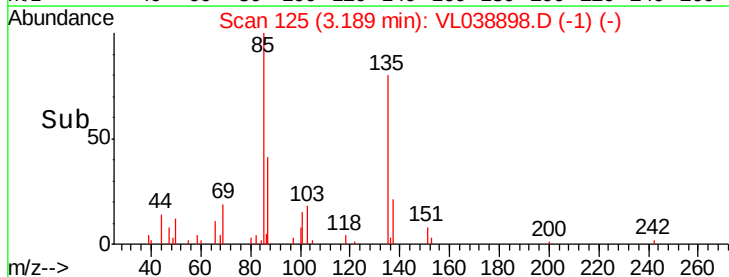
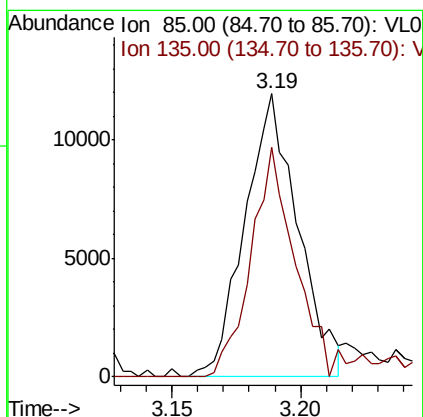
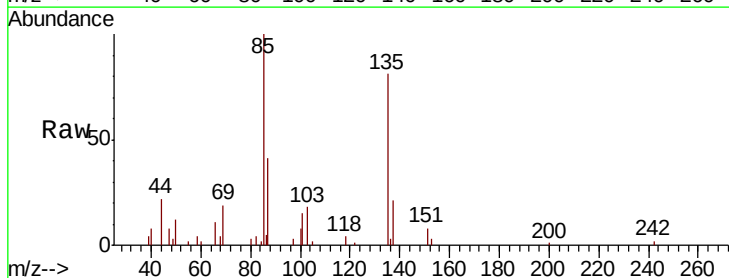
Acq: 12 Apr 2022 19:04

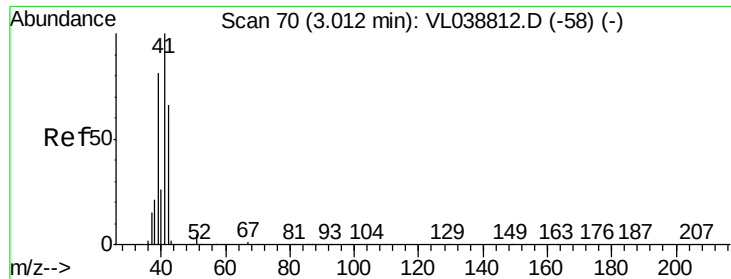
Tgt Ion: 85 Resp: 17199

Ion Ratio Lower Upper

85 100

135 76.4 57.0 85.6





#9

Propene

Concen: 0.158 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

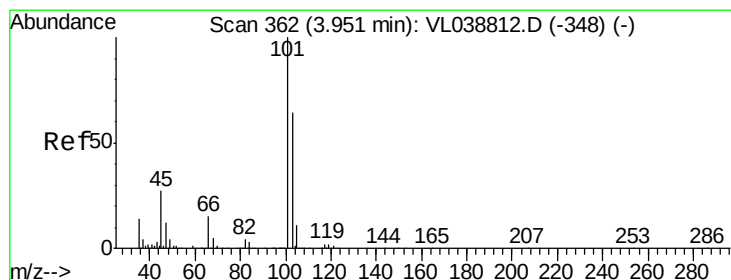
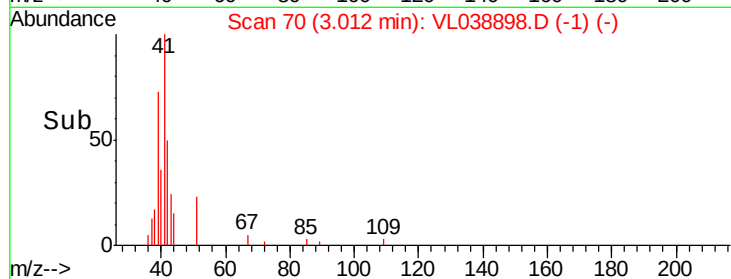
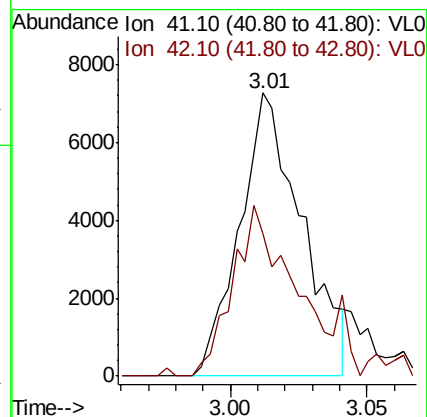
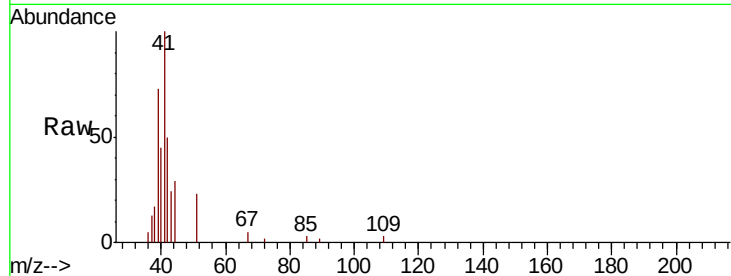
Acq: 12 Apr 2022 19:04 MDL 0.1 NAPHT.

Tot Ion: 41 Resp: 11483

Ion Ratio Lower Upper

41 100

42 67.1 54.2 81.4



#11

Trichlorofluoromethane

Concen: 0.109 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.00 min

Lab File: VL038898.D

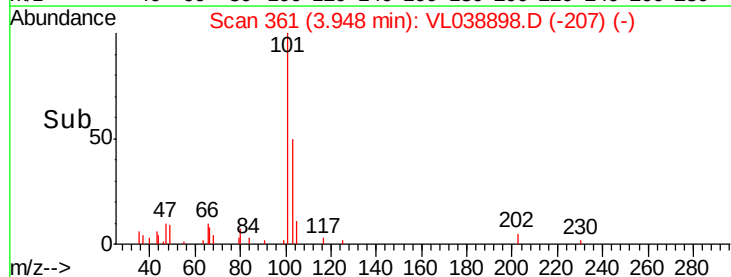
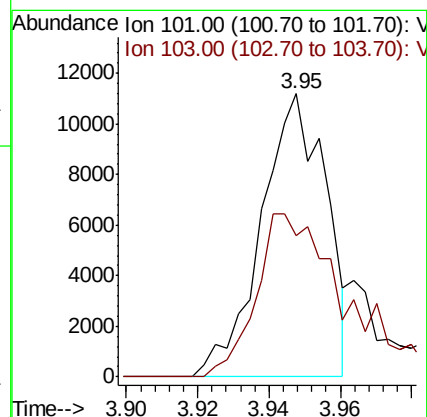
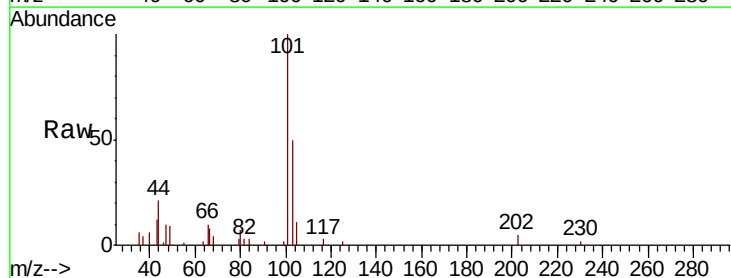
Acq: 12 Apr 2022 19:04

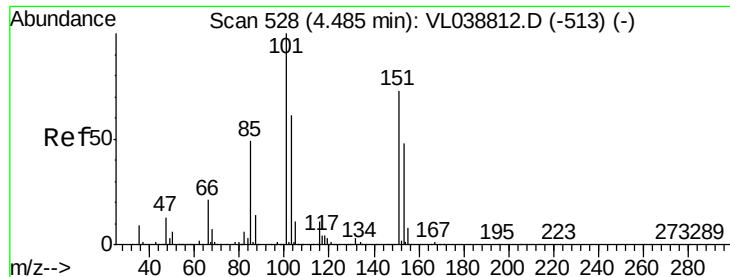
Tgt Ion: 101 Resp: 14045

Ion Ratio Lower Upper

101 100

103 50.1 51.4 77.0#





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.115 ppbv

RT: 4.48 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

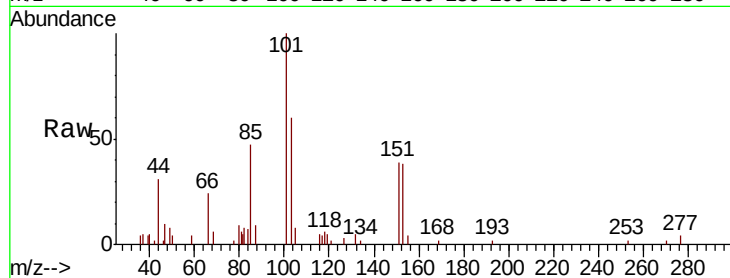
Acq: 12 Apr 2022 19:04 MDL 0.1 NAPHT.

Tot Ion: 101 Resp: 11273

Ion Ratio Lower Upper

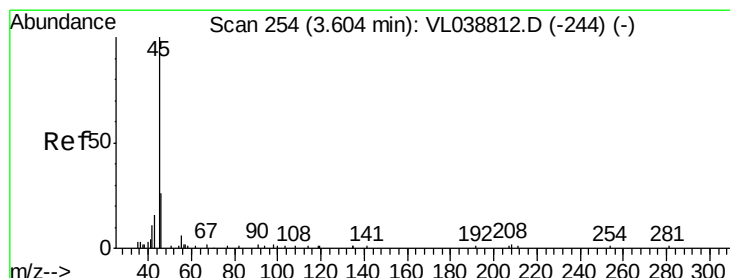
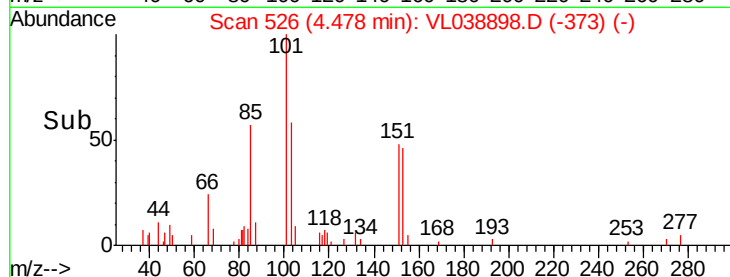
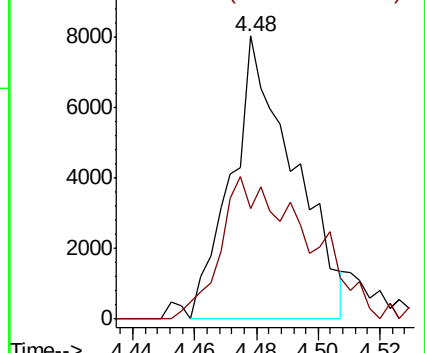
101 100

151 70.4 59.9 89.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 0.030 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.00 min

Lab File: VL038898.D

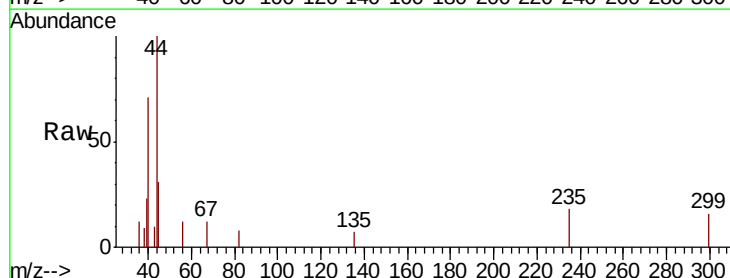
Acq: 12 Apr 2022 19:04

Tgt Ion: 45 Resp: 134

Ion Ratio Lower Upper

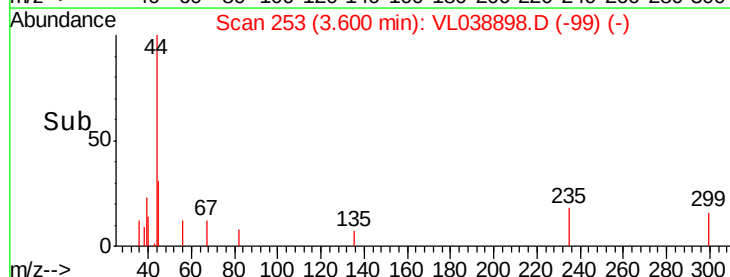
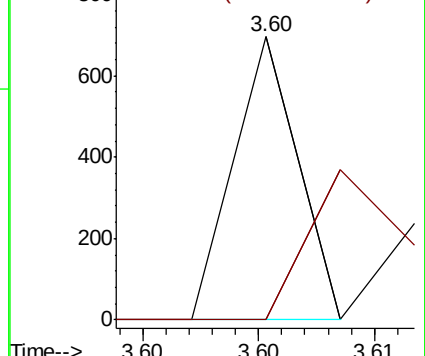
45 100

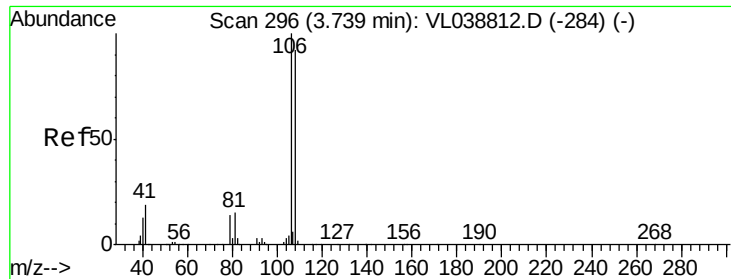
46 249.3 0.0 0.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#14

Bromoethene

Concen: 0.054 ppbv

RT: 3.74 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Apr 2022 19:04 MDL 0.1 NAPHT.

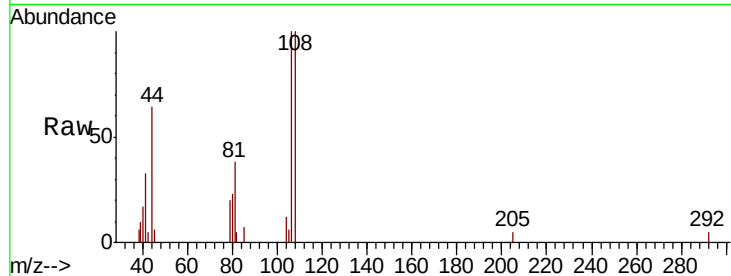
Tot Ion:108 Resp: 2321

Ion Ratio Lower Upper

108 100

106 0.0 91.5 137.3#

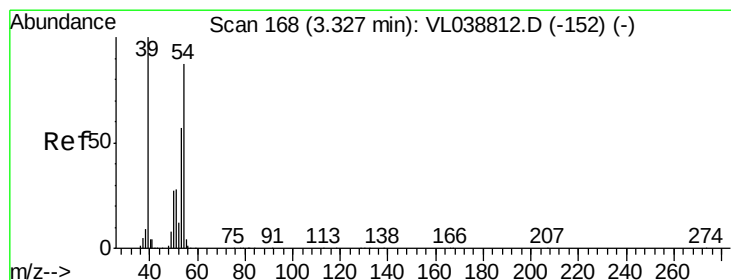
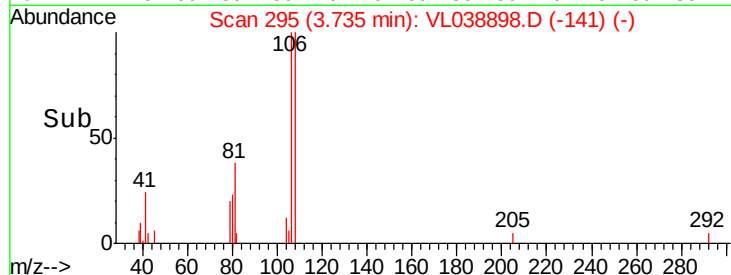
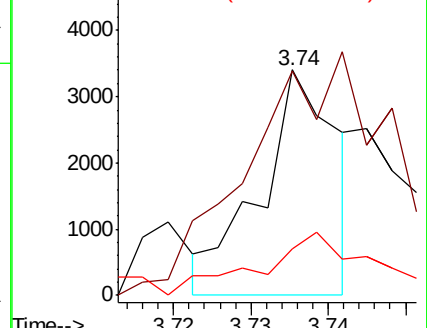
79 47.7 13.7 20.5#



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0



#16

1,3-Butadiene

Concen: 0.107 ppbv

RT: 3.33 min Scan# 168

Delta R.T. -0.00 min

Lab File: VL038898.D

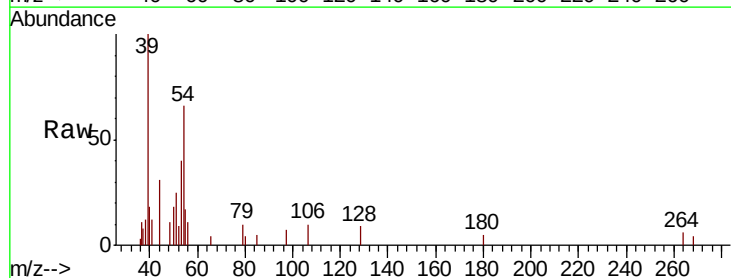
Acq: 12 Apr 2022 19:04

Tgt Ion: 39 Resp: 6869

Ion Ratio Lower Upper

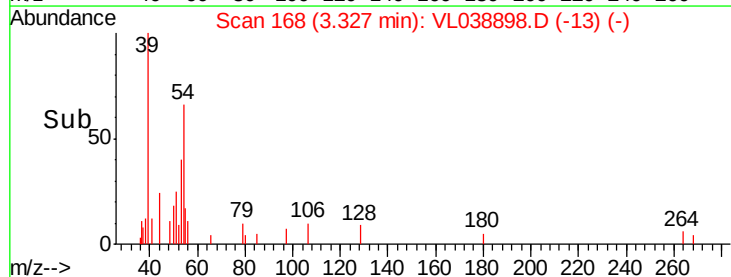
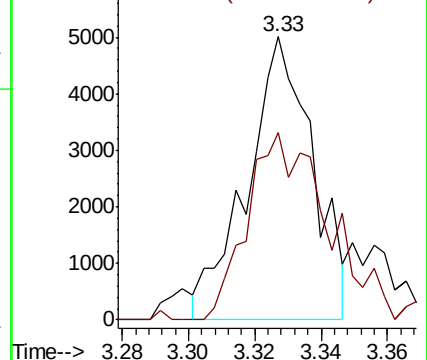
39 100

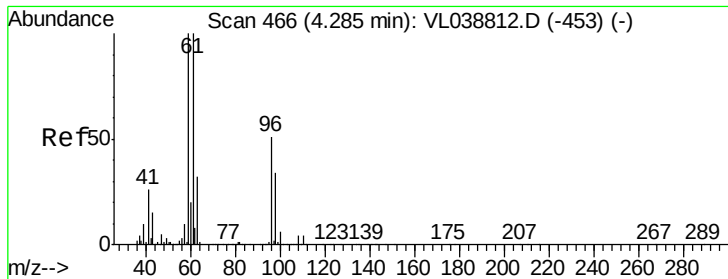
54 85.9 64.8 97.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

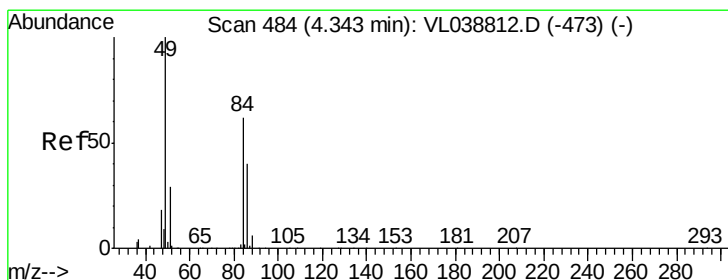
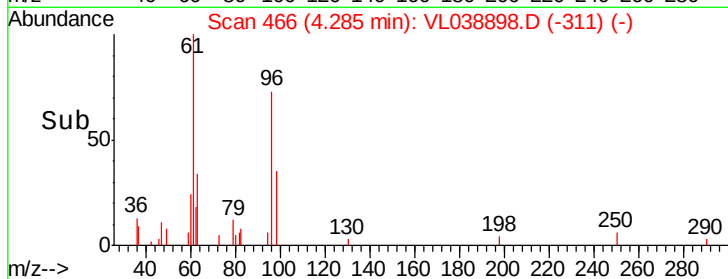
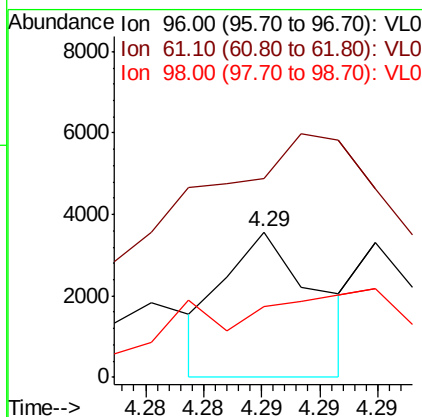
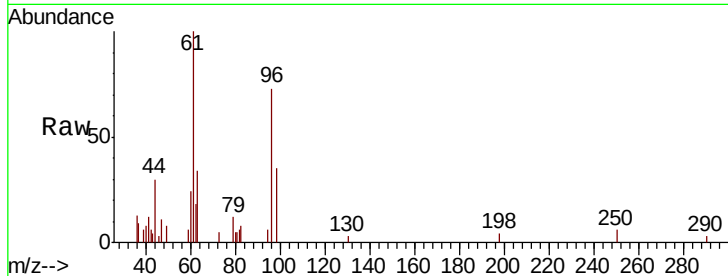
Ion 54.10 (53.80 to 54.80): VL0





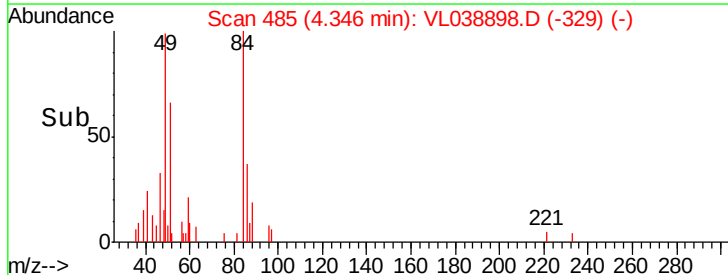
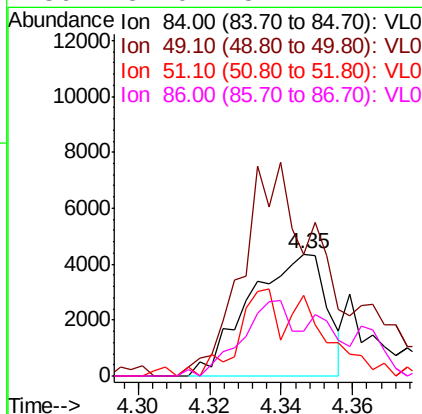
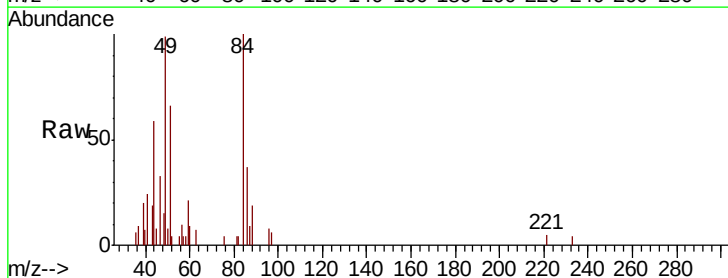
#18
 1,1-Dichloroethene
 Concen: 0.044 ppbv
 RT: 4.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 MDL 0.1 NAPHT.
 Acq: 12 Apr 2022 19:04

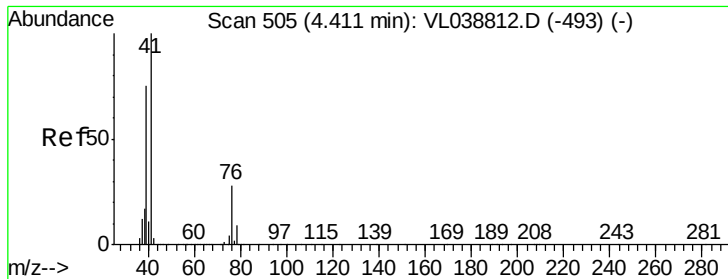
Tot Ion	96	Resp	1987
Ion Ratio	Lower	Upper	
96	100		
61	10.6	156.1	234.1#
98	0.0	53.0	79.6#



#20
 Methylene Chloride
 Concen: 0.161 ppbv
 RT: 4.35 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VL038898.D
 Acq: 12 Apr 2022 19:04

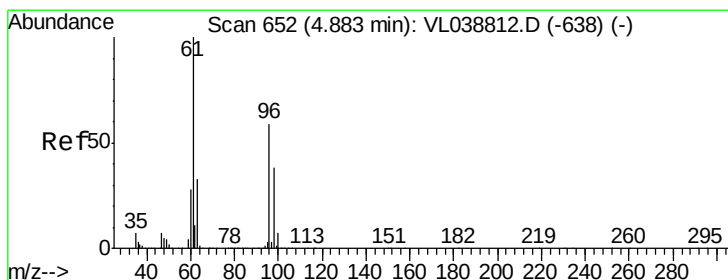
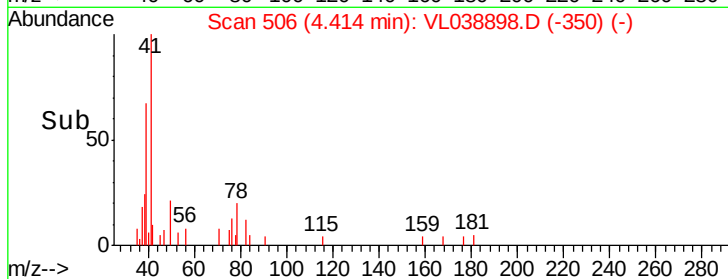
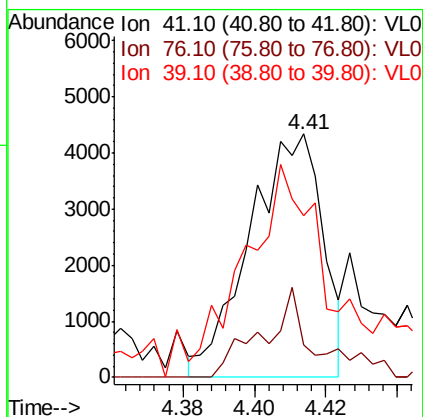
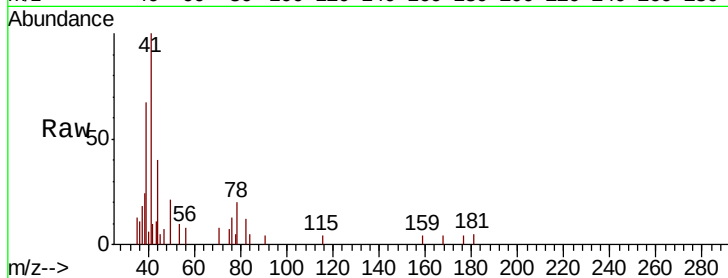
Tgt Ion	84	Resp	6536
Ion Ratio	Lower	Upper	
84	100		
49	91.8	129.4	194.0#
51	62.0	37.4	56.2#
86	31.0	51.4	77.2#





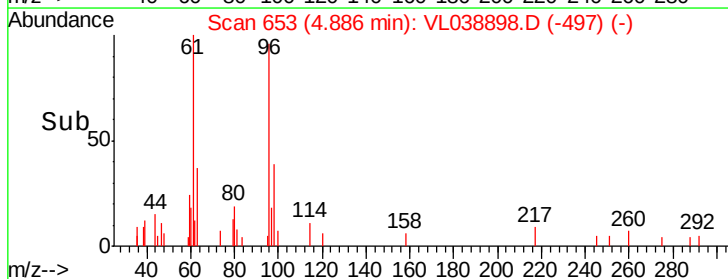
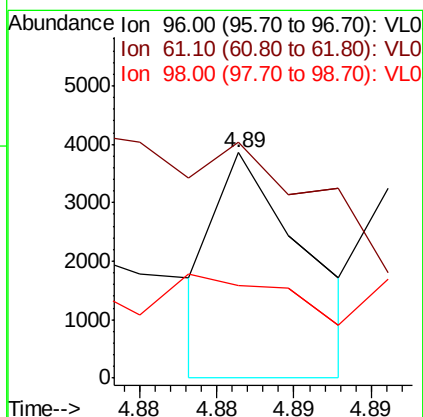
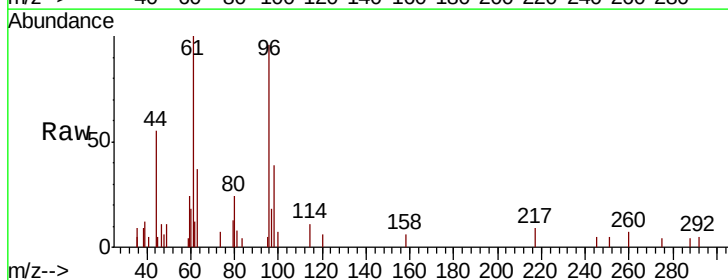
#21
Allvl Chloride
Concen: 0.073 ppbv
RT: 4.41 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 12 Apr 2022 19:04

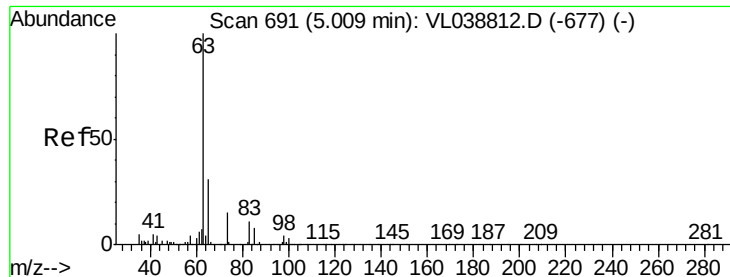
Tot Ion: 41 Resp: 6142
Ion Ratio Lower Upper
41 100
76 28.1 23.7 35.5
39 134.6 62.0 93.0#



#22
trans-1,2-Dichloroethene
Concen: 0.034 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.00 min
Lab File: VL038898.D
Acq: 12 Apr 2022 19:04

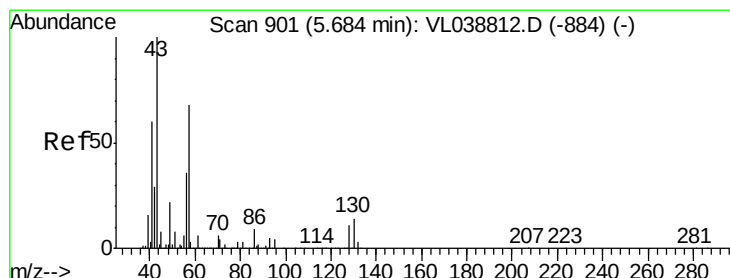
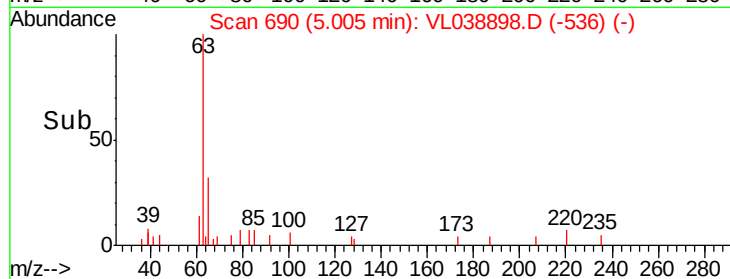
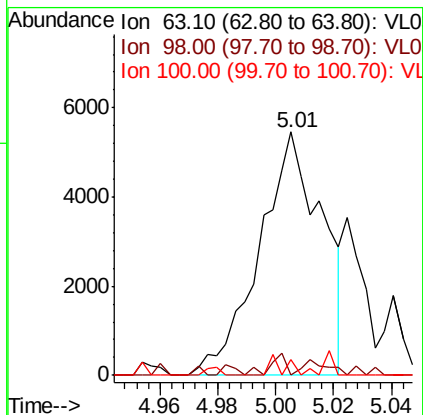
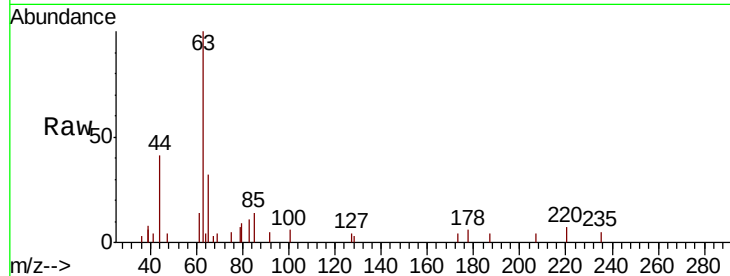
Tgt Ion: 96 Resp: 1547
Ion Ratio Lower Upper
96 100
61 26.8 134.8 202.2#
98 23.4 51.9 77.9#





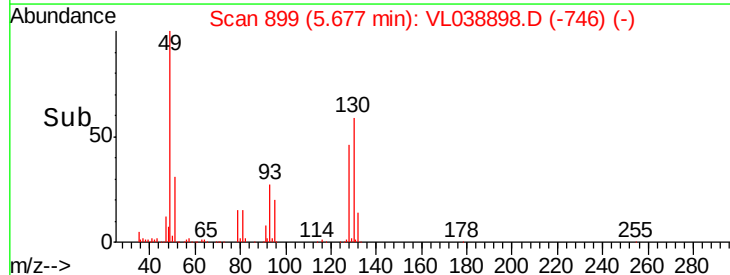
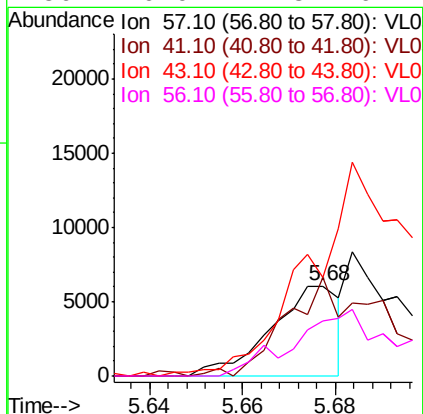
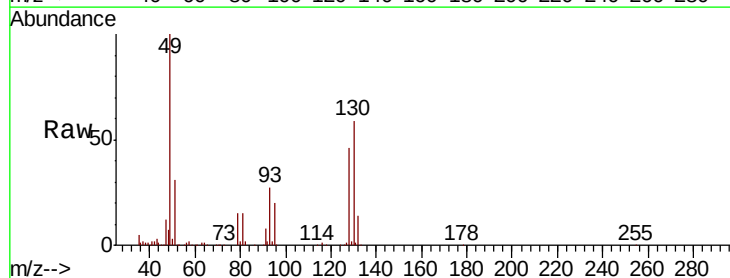
#24
 1,1-Dichloroethane
 Concen: 0.083 ppbv
 RT: 5.01
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 MDL 0.1 NAPHT.
 Acq: 12 Apr 2022 19:04

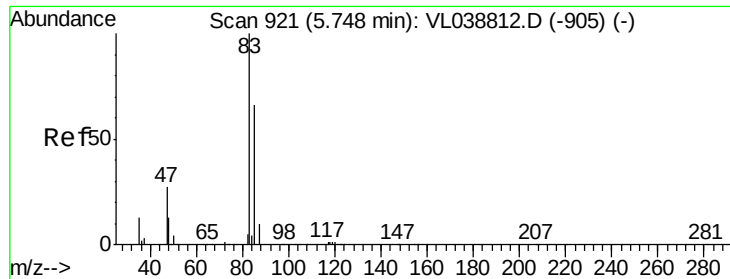
Tot Ion:	63	Resp:	8189
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.2	6.6#
100	6.2	1.4	4.0#



#26
 Hexane
 Concen: 0.048 ppbv
 RT: 5.68 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VL038898.D
 Acq: 12 Apr 2022 19:04

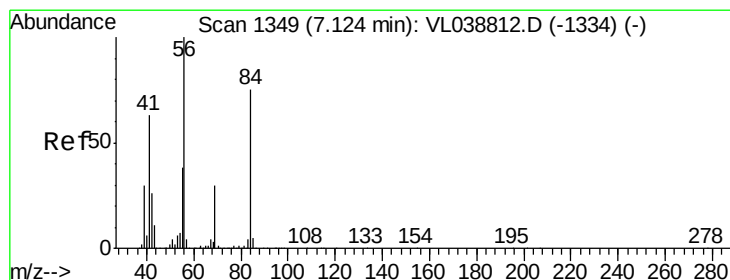
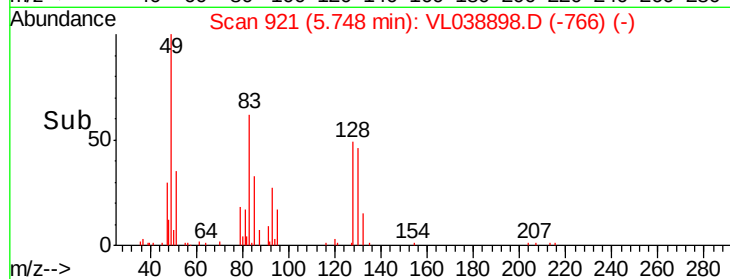
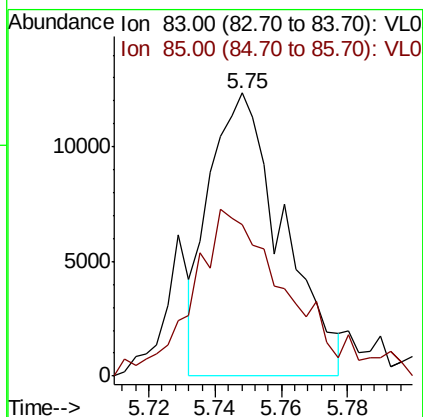
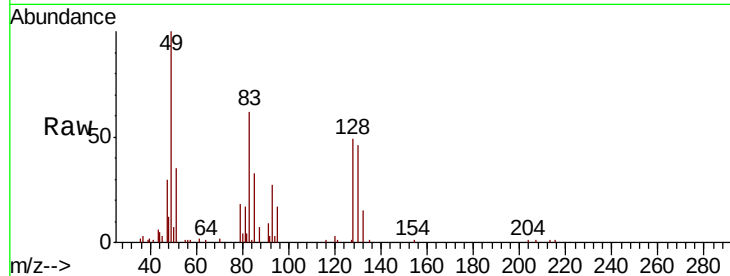
Tgt Ion:	57	Resp:	6220
Ion	Ratio	Lower	Upper
57	100		
41	198.3	72.0	108.0#
43	0.0	186.6	280.0#
56	0.0	42.8	64.2#





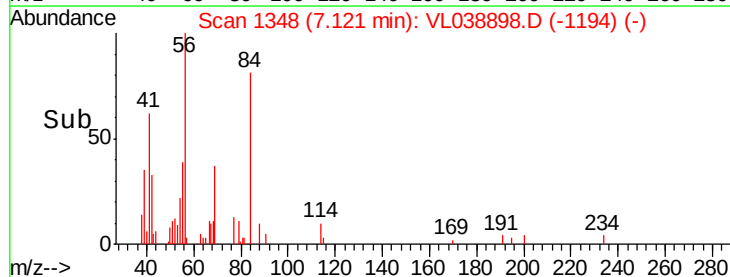
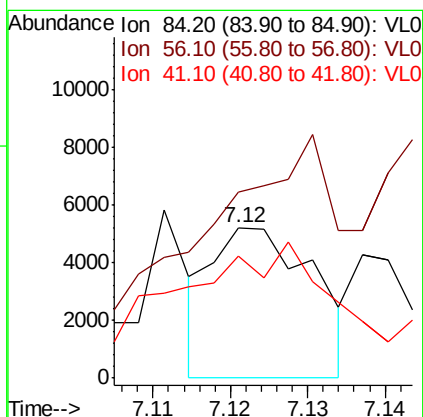
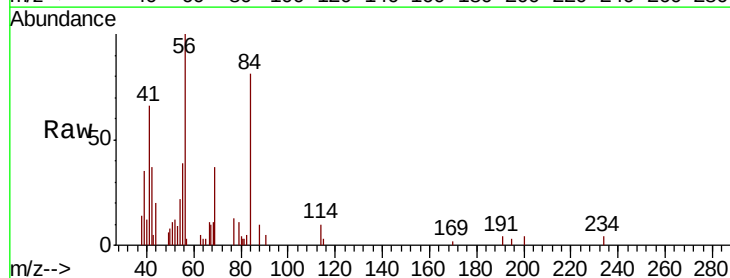
#29
Chloroform
Concen: 0.105 ppbv
RT: 5.75
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 12 Apr 2022 19:04

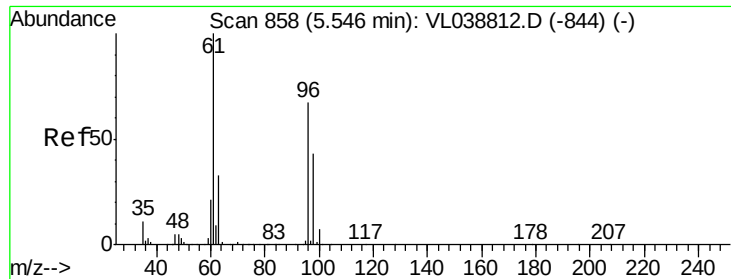
Tot Ion: 83 Resp: 18928
Ion Ratio Lower Upper
83 100
85 55.7 52.5 78.7



#30
Cyclohexane
Concen: 0.042 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.00 min
Lab File: VL038898.D
Acq: 12 Apr 2022 19:04

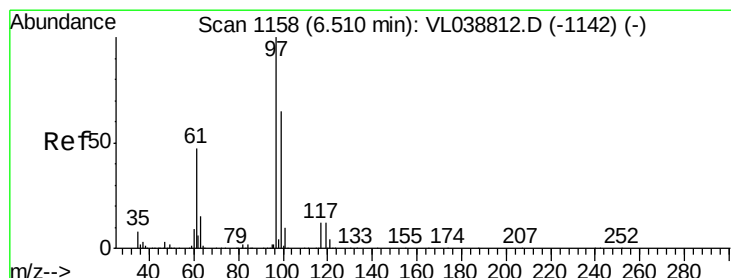
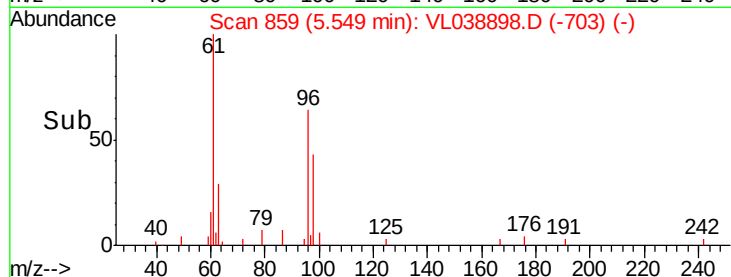
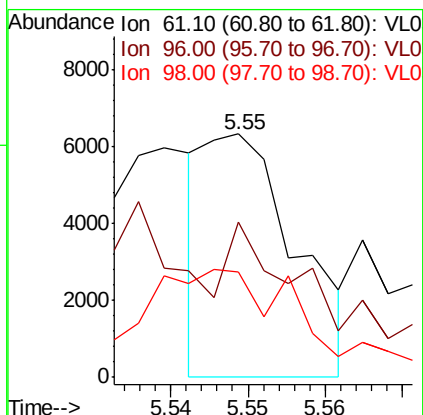
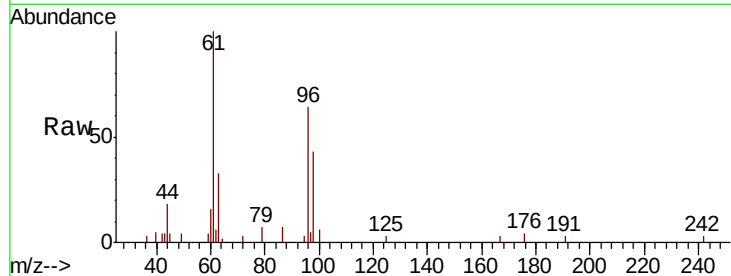
Tgt Ion: 84 Resp: 4774
Ion Ratio Lower Upper
84 100
56 0.0 114.4 171.6#
41 197.2 69.0 103.4#





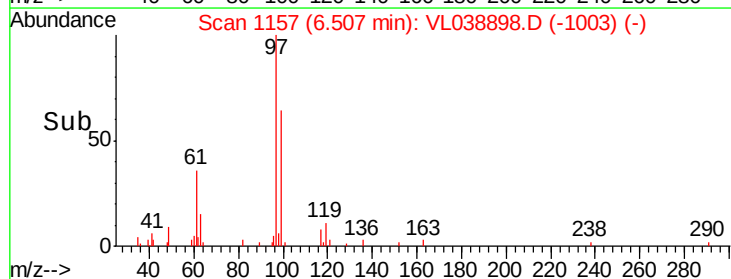
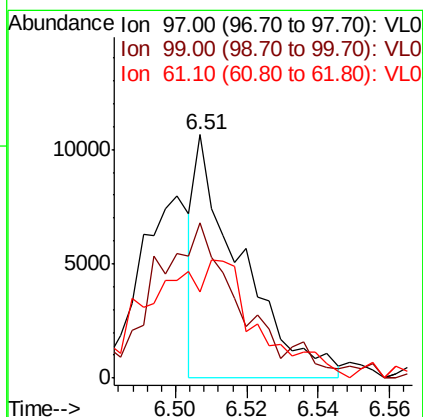
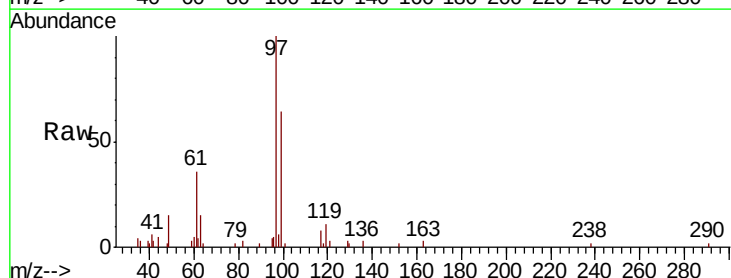
#31
 cis-1,2-Dichloroethene
 Concen: 0.043 ppbv
 RT: 5.55
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 12 Apr 2022 19:04

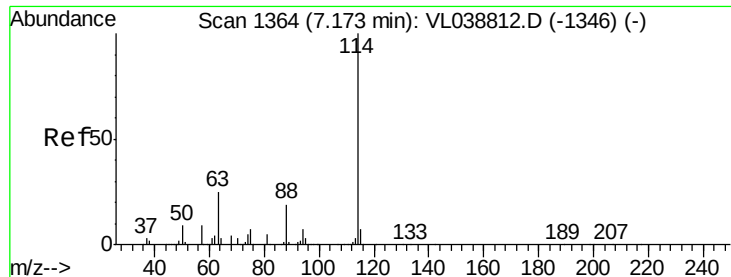
Tot Ion: 61 Resp: 5141
 Ion Ratio Lower Upper
 61 100
 96 63.0 53.4 80.0
 98 49.2 34.2 51.4



#32
 1,1,1-Trichloroethane
 Concen: 0.051 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. -0.00 min
 Lab File: VL038898.D
 Acq: 12 Apr 2022 19:04

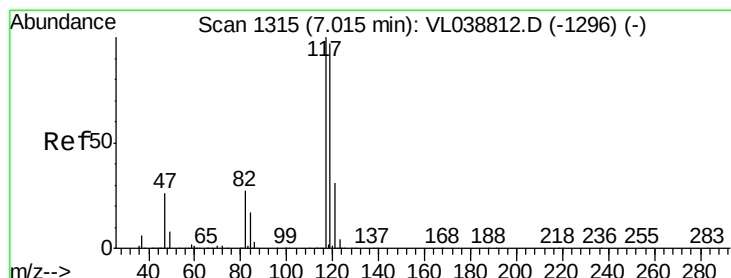
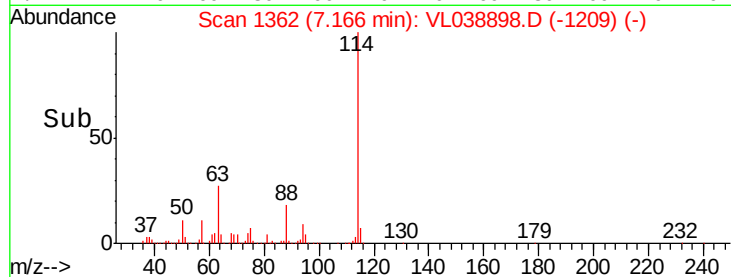
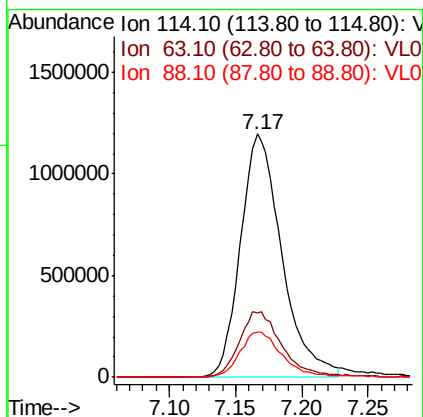
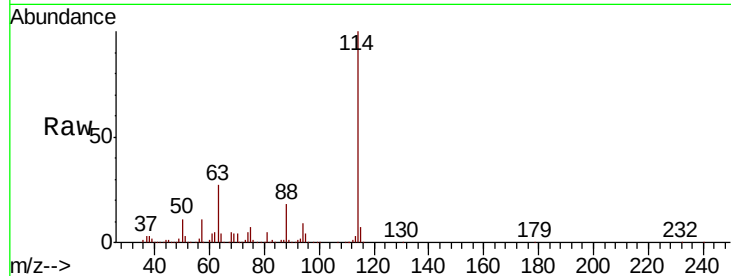
Tgt Ion: 97 Resp: 9382
 Ion Ratio Lower Upper
 97 100
 99 131.1 52.4 78.6#
 61 124.6 38.6 57.8#





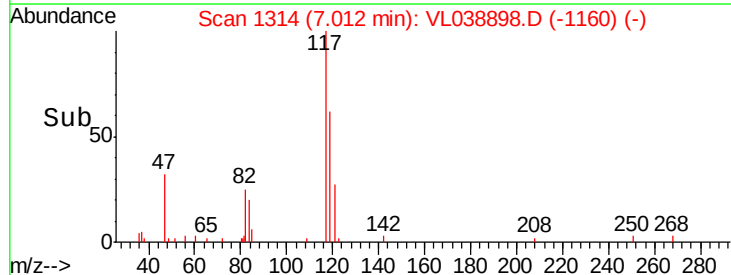
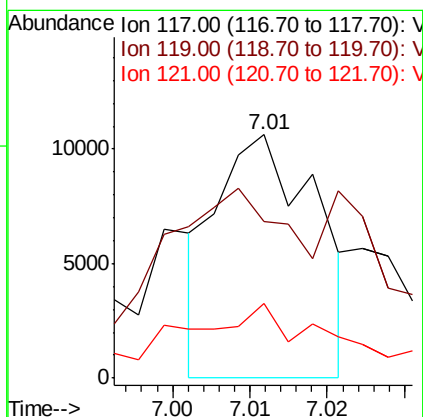
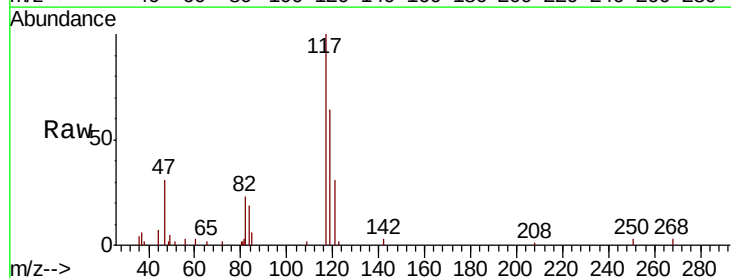
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 MDL 0.1 NAPHT.
 Acq: 12 Apr 2022 19:04

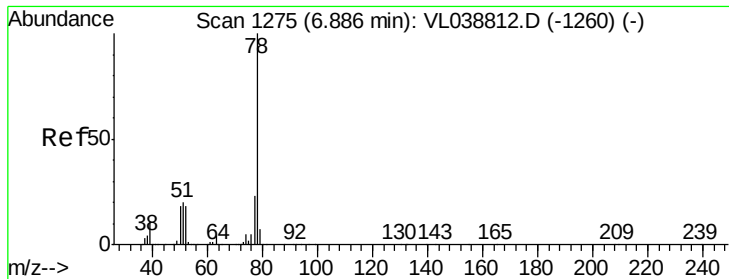
Tot Ion:114 Resp: 2596566
 Ion Ratio Lower Upper
 114 100
 63 28.4 19.8 29.8
 88 19.4 14.2 21.4



#35
 Carbon Tetrachloride
 Concen: 0.061 ppbv
 RT: 7.01 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VL038898.D
 Acq: 12 Apr 2022 19:04

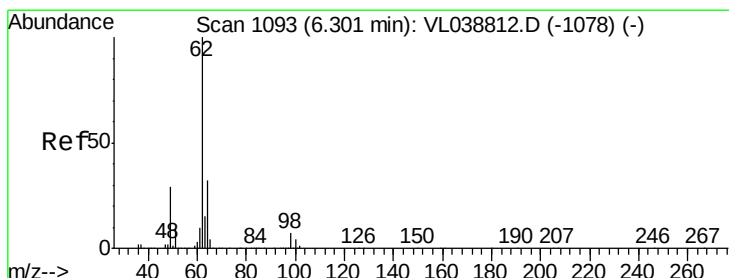
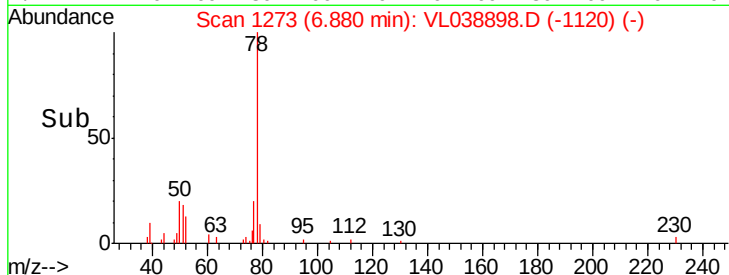
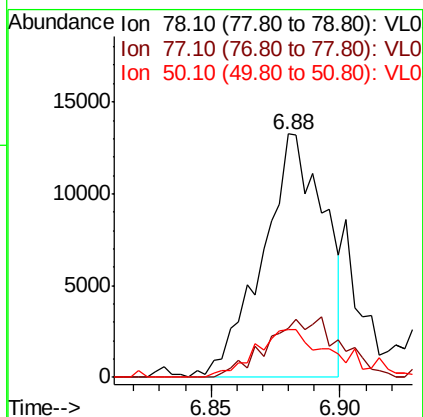
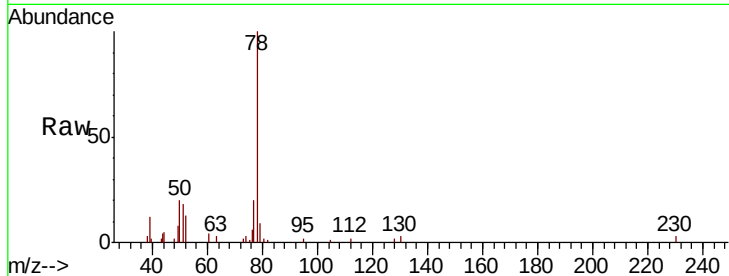
Tgt Ion:117 Resp: 9549
 Ion Ratio Lower Upper
 117 100
 119 4.4 77.7 116.5#
 121 28.4 24.5 36.7





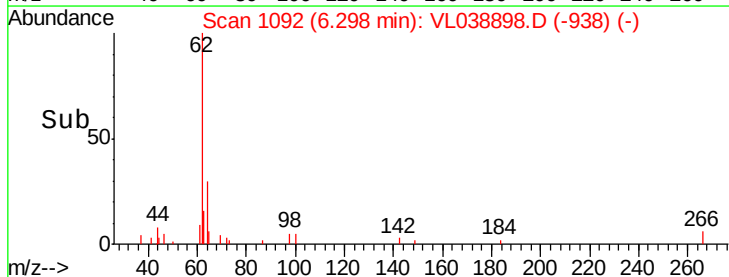
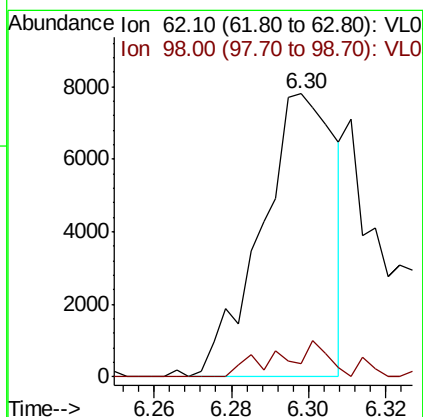
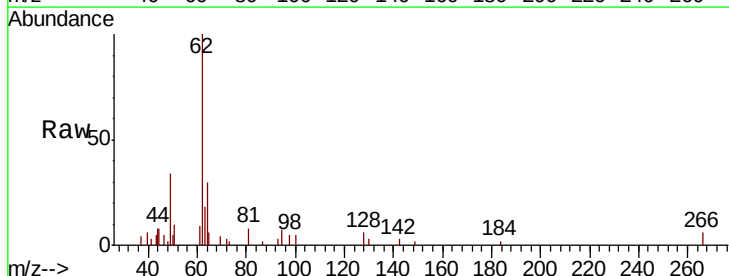
#36
Benzene
Concen: 0.094 ppbv
RT: 6.88
Instrument: MSVOA_L
Delta R.T.:
ClientSampleId:
Lab File: MDL 0.1 NAPHT.
Acq: 12 Apr 2022 19:04

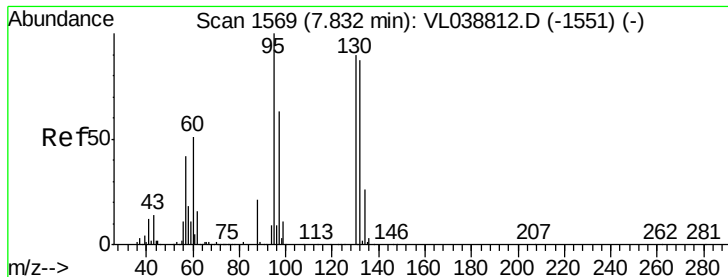
Tot Ion: 78 Resp: 22158
Ion Ratio Lower Upper
78 100
77 20.4 18.2 27.2
50 19.5 14.0 21.0



#37
1,2-Dichloroethane
Concen: 0.096 ppbv
RT: 6.30 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VL038898.D
Acq: 12 Apr 2022 19:04

Tgt Ion: 62 Resp: 10320
Ion Ratio Lower Upper
62 100
98 10.8 5.9 8.9#





#38

Trichloroethene

Concen: 0.040 ppbv

RT: 7.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Apr 2022 19:04 MDL 0.1 NAPHT.

Tot Ion:130 Resp: 3841

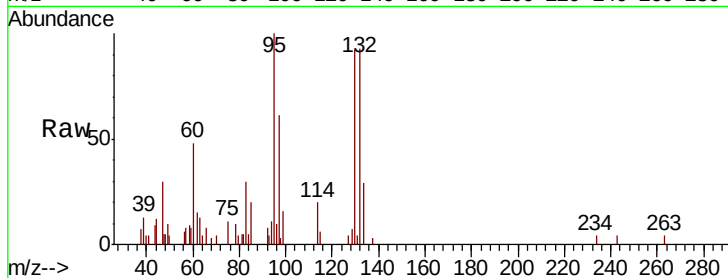
Ion Ratio Lower Upper

130 100

95 99.6 89.4 134.0

132 101.1 77.7 116.5

97 77.2 56.0 84.0



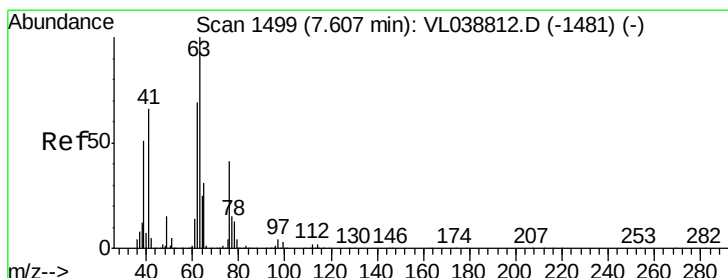
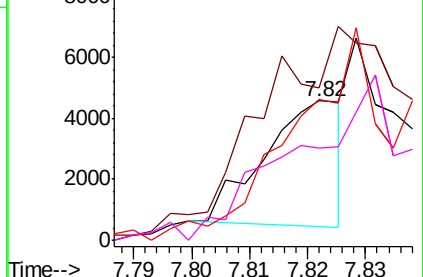
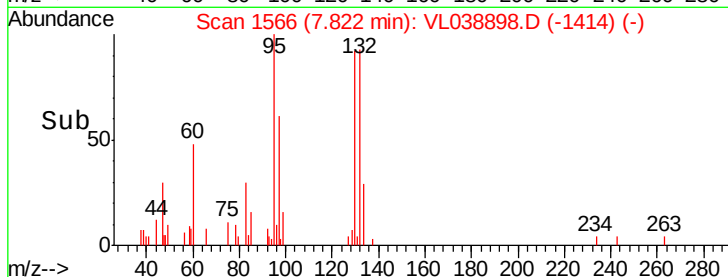
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

Time-->



#39

1,2-Dichloropropane

Concen: 7.911 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.44 min

Lab File: VL038898.D

Acq: 12 Apr 2022 19:04

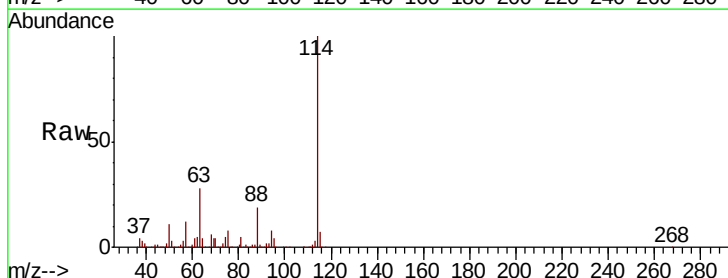
Tgt Ion: 63 Resp: 714785

Ion Ratio Lower Upper

63 100

41 0.0 53.0 79.6#

62 17.0 55.0 82.4#

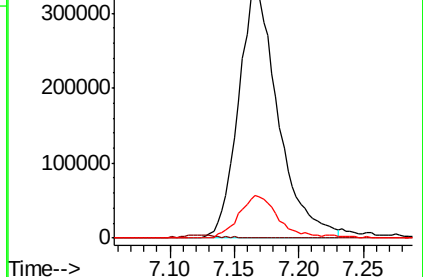
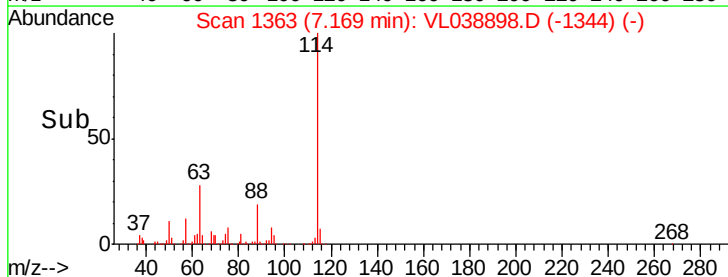


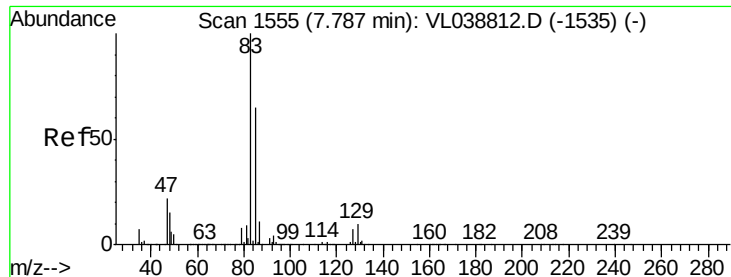
Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

Time-->





#42

Bromodichloromethane

Concen: 0.062 ppbv

RT: 7.78 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Apr 2022 19:04 MDL 0.1 NAPHT.

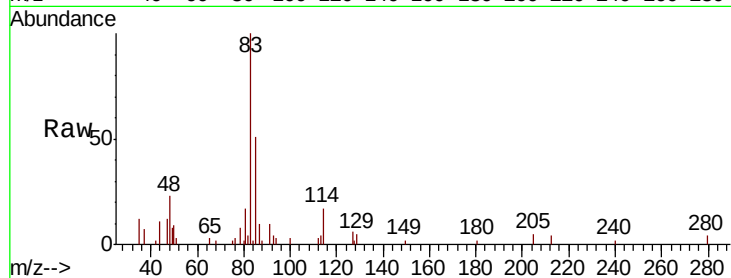
Tot Ion: 83 Resp: 10614

Ion Ratio Lower Upper

83 100

85 37.2 51.7 77.5#

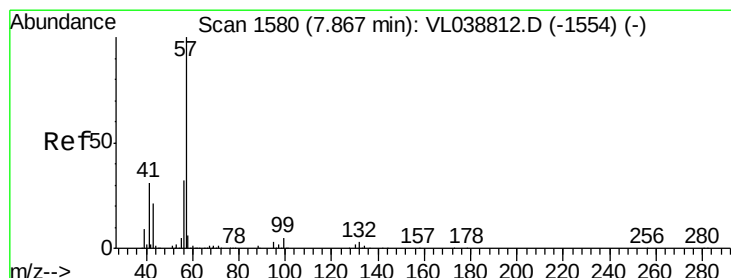
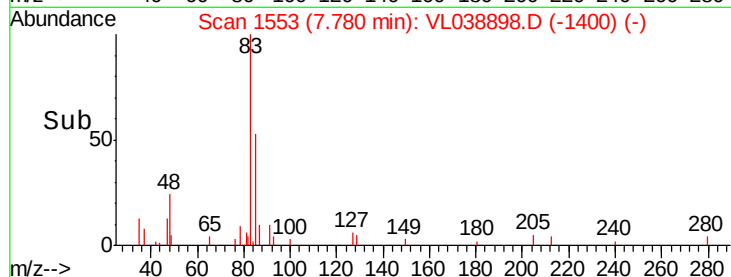
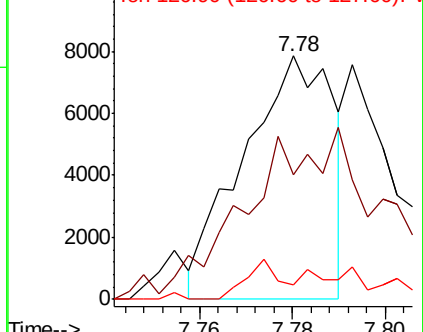
127 6.8 5.9 8.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.070 ppbv

RT: 7.86 min Scan# 1579

Delta R.T. -0.00 min

Lab File: VL038898.D

Acq: 12 Apr 2022 19:04

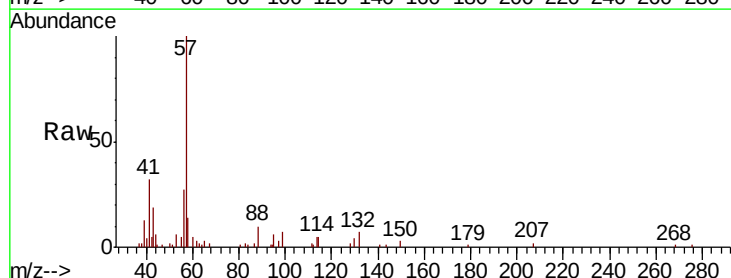
Tgt Ion: 57 Resp: 27830

Ion Ratio Lower Upper

57 100

41 59.7 25.0 37.4#

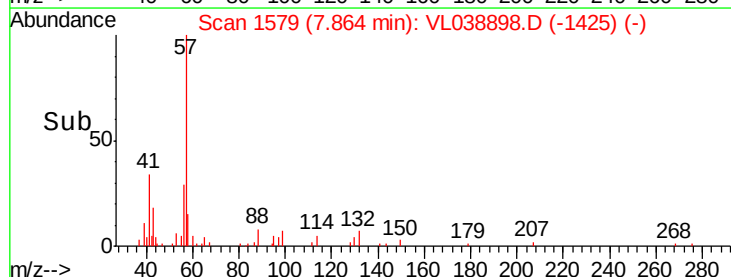
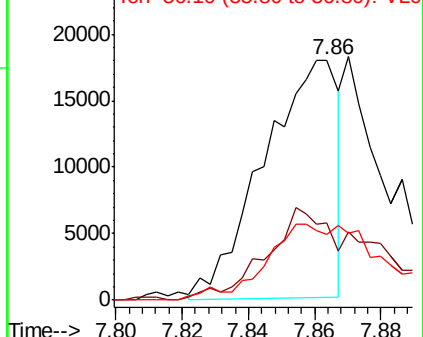
56 53.3 25.3 37.9#

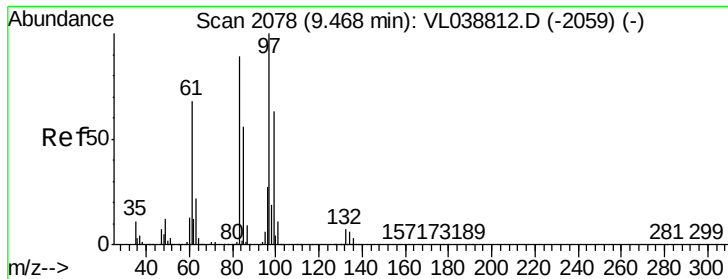


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

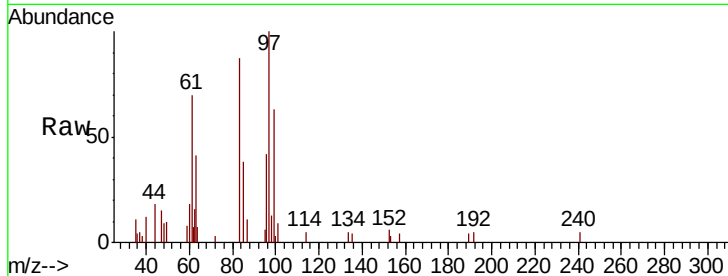
Ion 56.10 (55.80 to 56.80): VL0



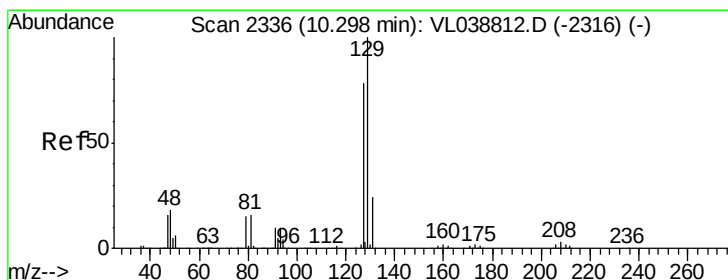
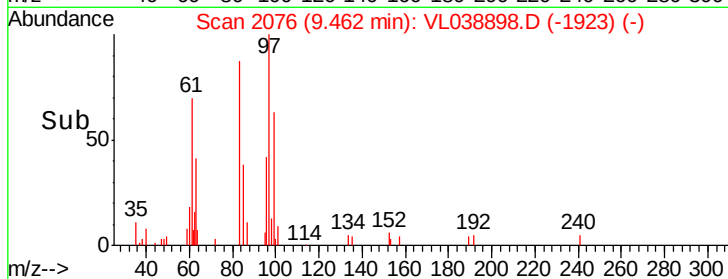
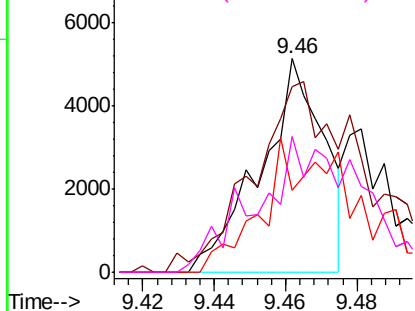


#47
 1,1,2-Trichloroethane
 Concen: 0.068 ppbv
 RT: 9.46 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 12 Apr 2022 19:04

Tot Ion: 97 Resp: 6341
 Ion Ratio Lower Upper
 97 100
 83 73.1 71.1 106.7
 85 34.2 45.1 67.7#
 99 52.9 50.8 76.2

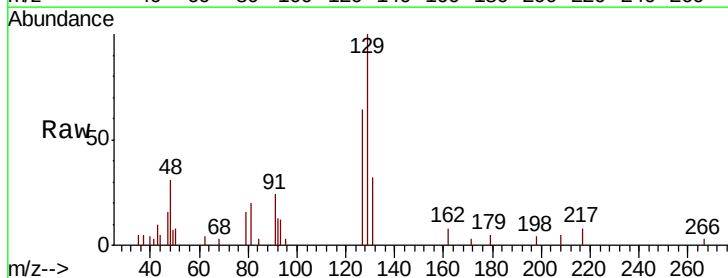


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

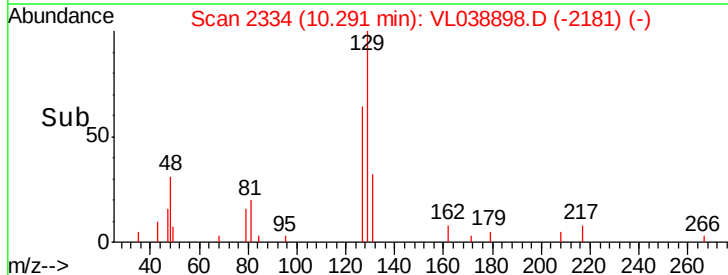
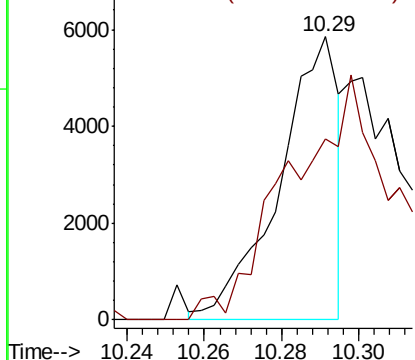


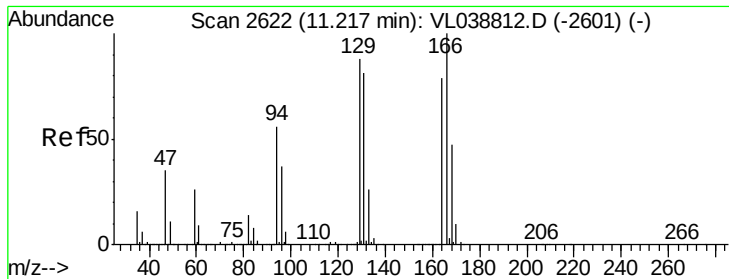
#48
 Dibromochloromethane
 Concen: 0.043 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.01 min
 Lab File: VL038898.D
 Acq: 12 Apr 2022 19:04

Tgt Ion: 129 Resp: 6202
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.6#



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





#52

Tetrachloroethene

Concen: 0.039 ppbv

RT: 11.20

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Apr 2022 19:04

Tot Ion:164 Resp: 3196

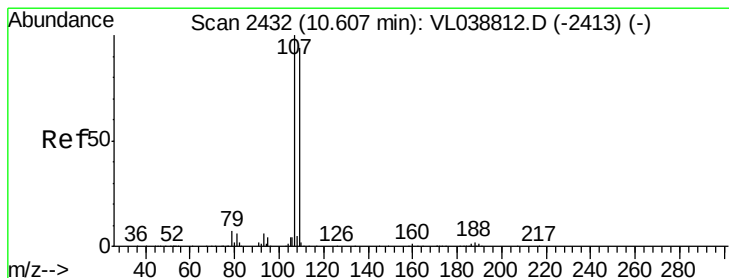
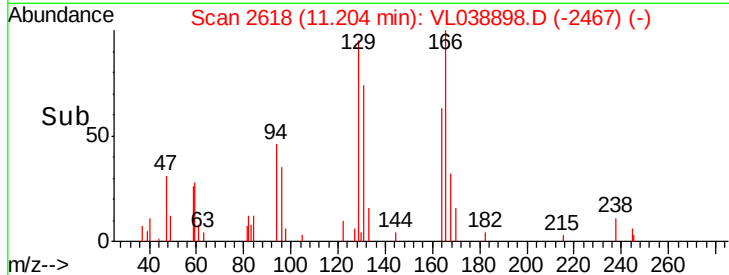
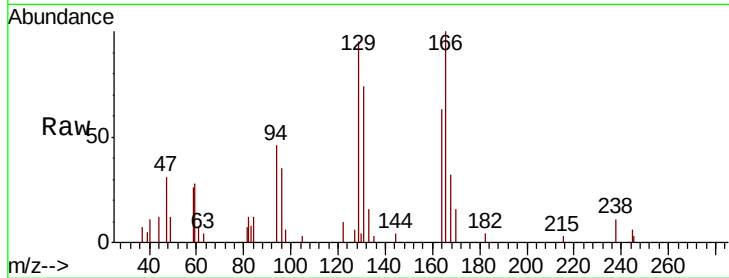
Ion Ratio Lower Upper

164 100

166 169.4 101.0 151.6#

129 156.2 88.7 133.1#

131 121.2 81.8 122.6



#54

1,2-Dibromoethane

Concen: 0.050 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.01 min

Lab File: VL038898.D

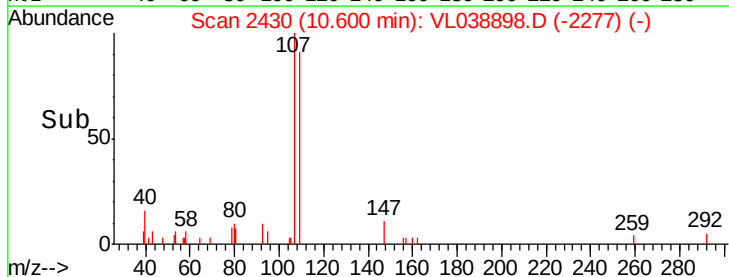
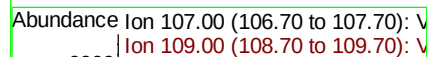
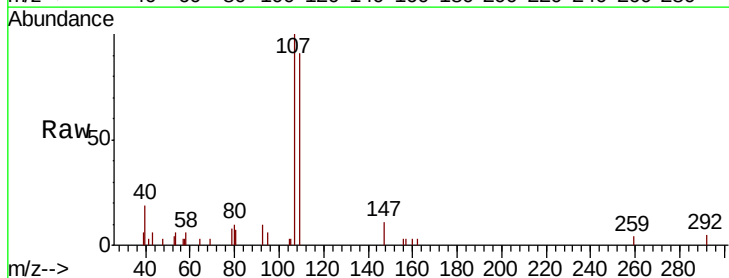
Acq: 12 Apr 2022 19:04

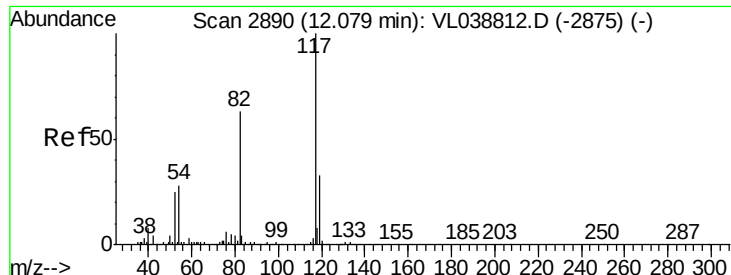
Tgt Ion:107 Resp: 6459

Ion Ratio Lower Upper

107 100

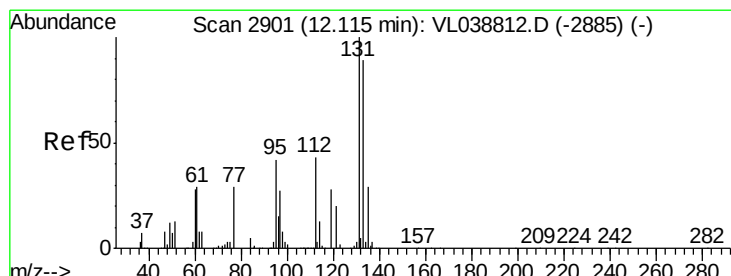
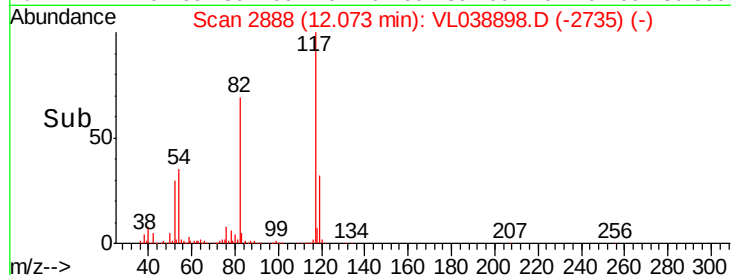
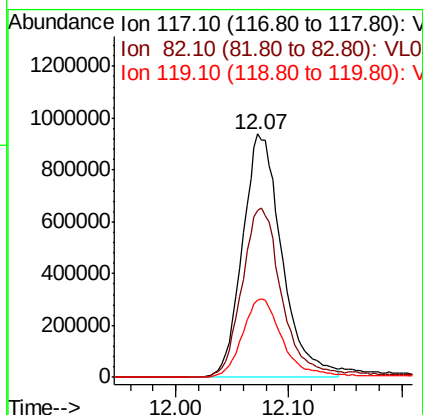
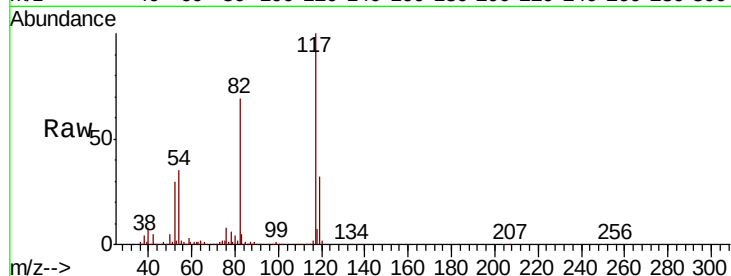
109 90.5 75.5 113.3





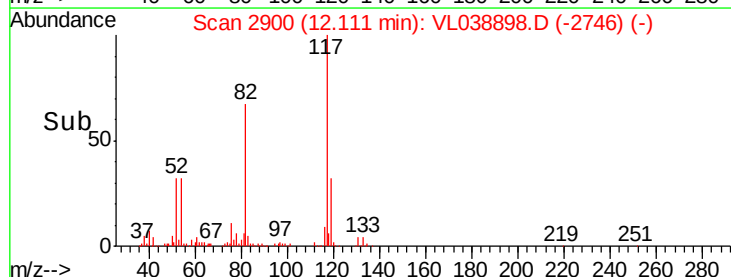
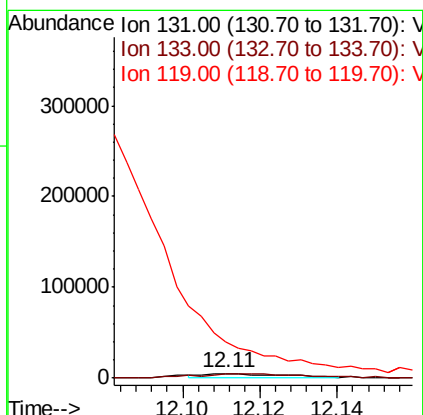
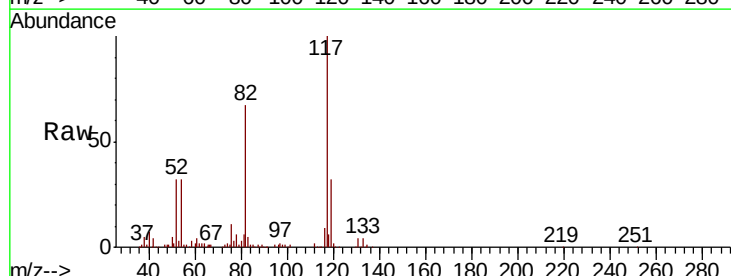
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
MDL 0.1 NAPHT.
Acq: 12 Apr 2022 19:04

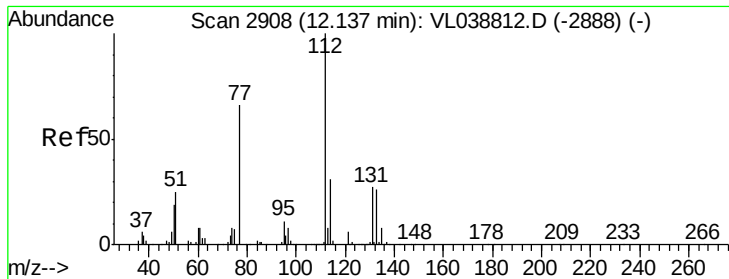
Tot Ion:117 Resp: 2270218
Ion Ratio Lower Upper
117 100
82 73.3 53.0 79.6
119 34.1 24.9 37.3



#56
1,1,1,2-Tetrachloroethane
Concen: 0.079 ppbv
RT: 12.11 min Scan# 2900
Delta R.T.: -0.00 min
Lab File: VL038898.D
Acq: 12 Apr 2022 19:04

Tgt Ion:131 Resp: 7860
Ion Ratio Lower Upper
131 100
133 133.1 78.2 117.4#
119 0.0 58.6 87.8#





#57

Chlorobenzene

Concen: 0.122 ppbv

RT: 12.14

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Apr 2022 19:04

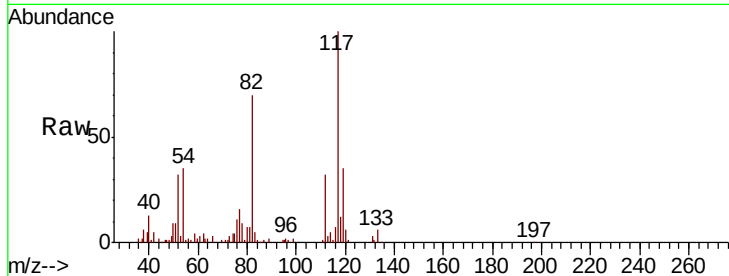
Tot Ion: 112 Resp: 22622

Ion Ratio Lower Upper

112 100

77 42.3 52.4 78.6#

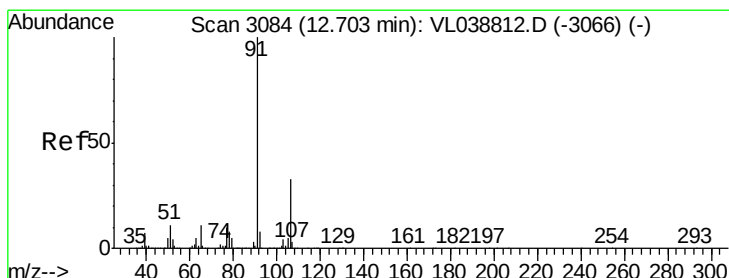
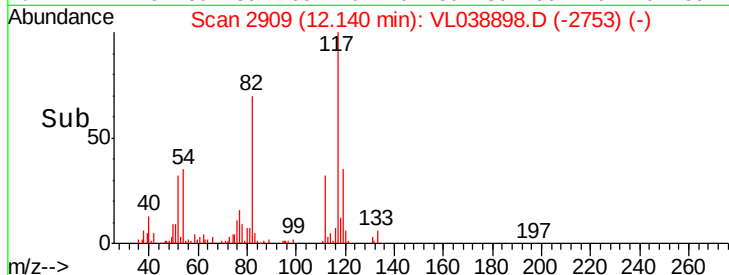
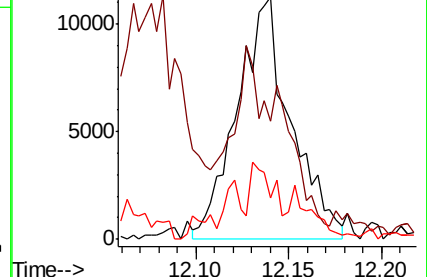
114 15.7 28.1 34.3#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.064 ppbv

RT: 12.96 min Scan# 3164

Delta R.T. 0.26 min

Lab File: VL038898.D

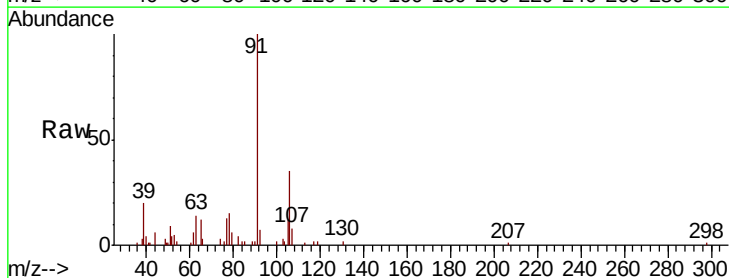
Acq: 12 Apr 2022 19:04

Tgt Ion: 91 Resp: 21614

Ion Ratio Lower Upper

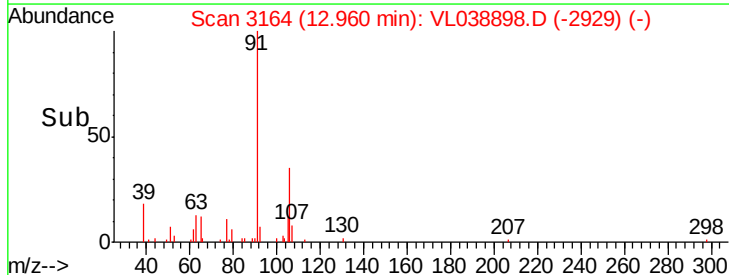
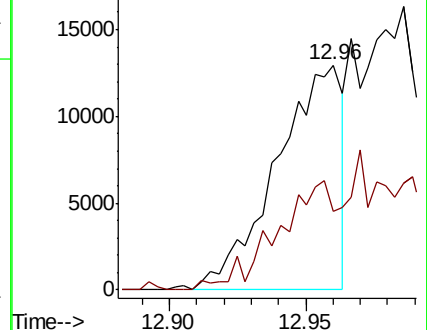
91 100

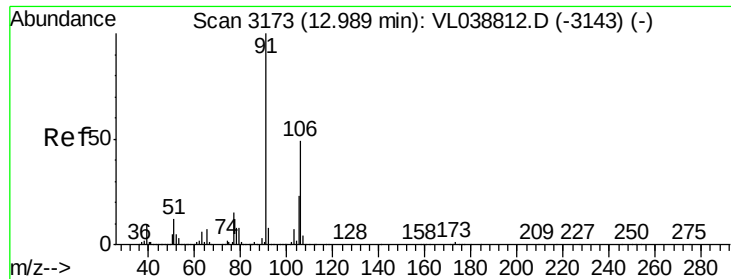
106 34.8 26.7 40.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

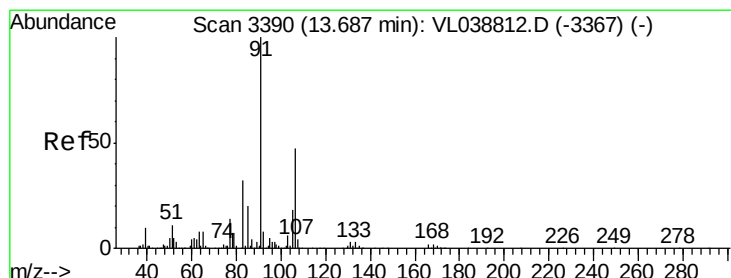
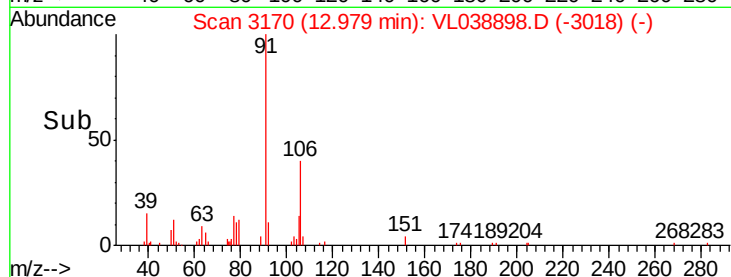
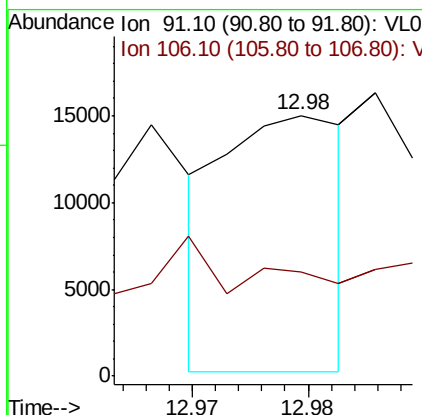
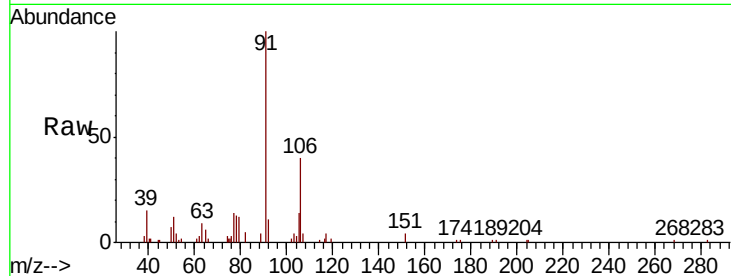
Ion 106.10 (105.80 to 106.80): V





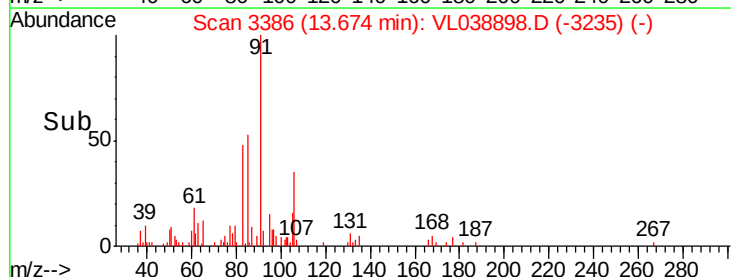
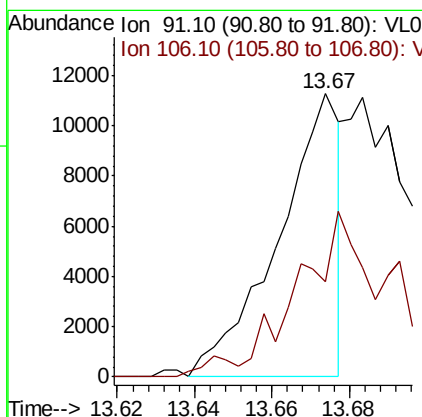
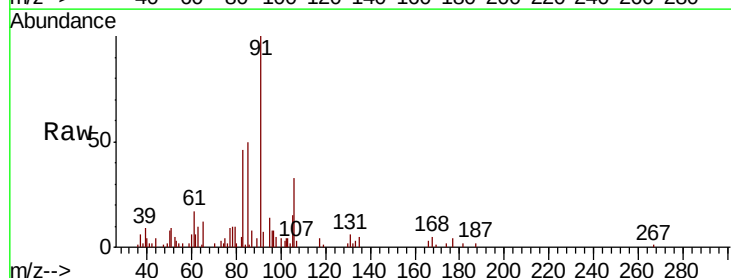
#59
m/p-Xylene
Concen: 0.038 ppbv
RT: 12.98 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Apr 2022 19:04

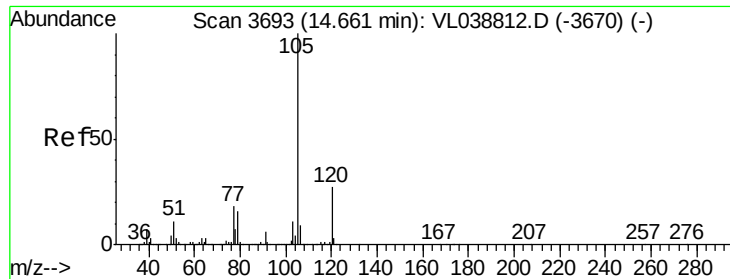
Tot Ion: 91 Resp: 10762
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7#



#60
o-Xylene
Concen: 0.047 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.01 min
Lab File: VL038898.D
Acq: 12 Apr 2022 19:04

Tgt Ion: 91 Resp: 12429
Ion Ratio Lower Upper
91 100
106 106.5 23.8 71.4#





#62

Isopropylbenzene

Concen: 0.065 ppbv

RT: 14.65

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

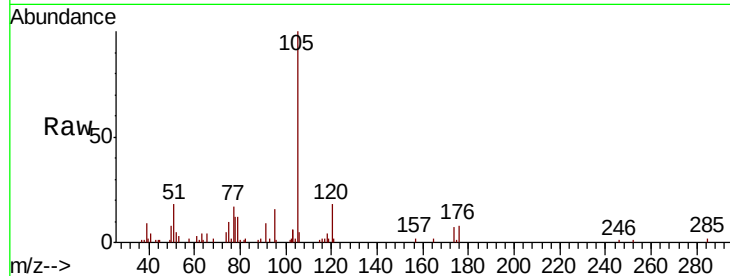
Acq: 12 Apr 2022 19:04

Tot Ion:105 Resp: 26144

Ion Ratio Lower Upper

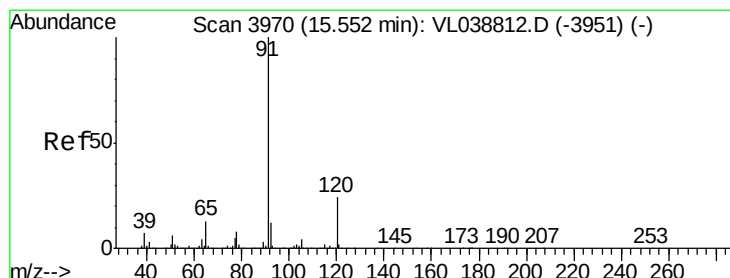
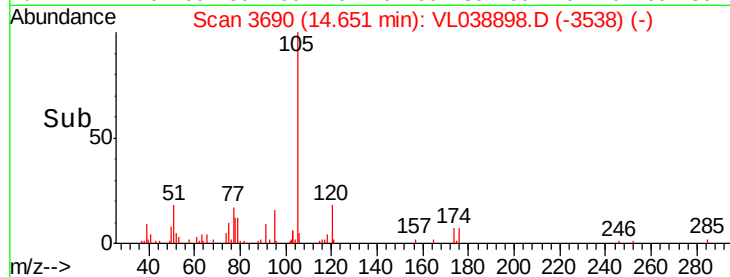
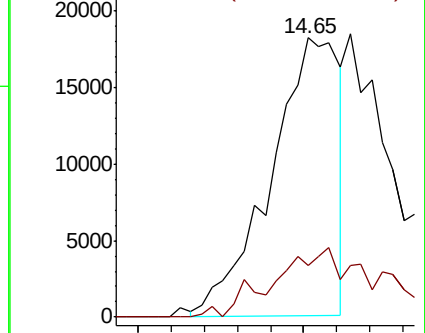
105 100

120 0.0 21.8 32.8#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.052 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. -0.01 min

Lab File: VL038898.D

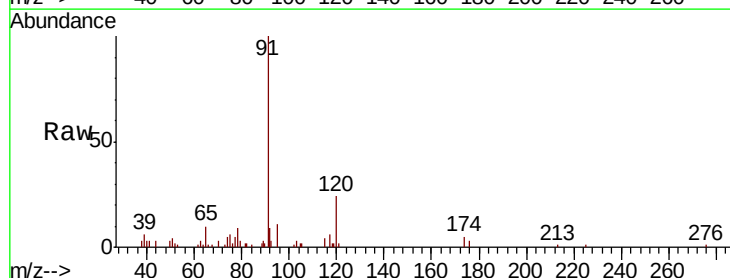
Acq: 12 Apr 2022 19:04

Tgt Ion:120 Resp: 5353

Ion Ratio Lower Upper

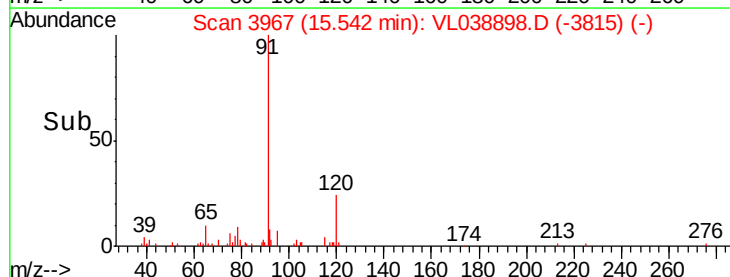
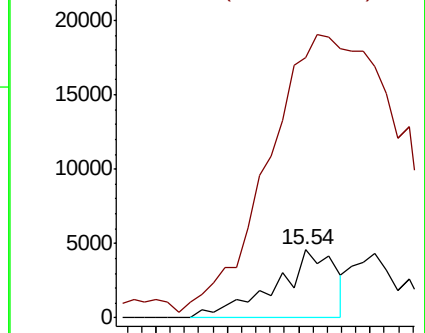
120 100

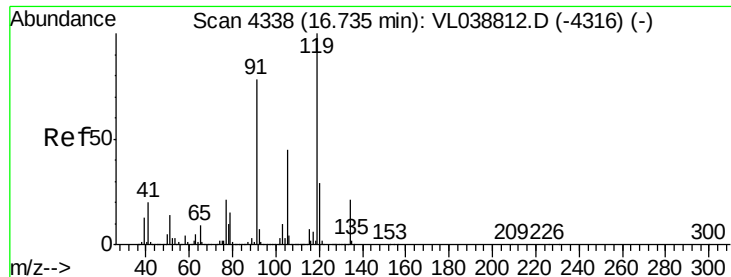
91 1015.4 360.6 540.8#



Abundance Ion 120.20 (119.90 to 120.90): V

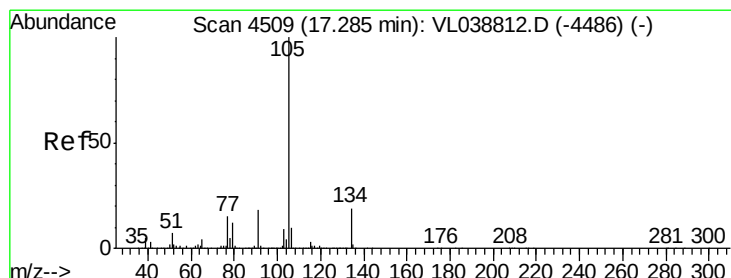
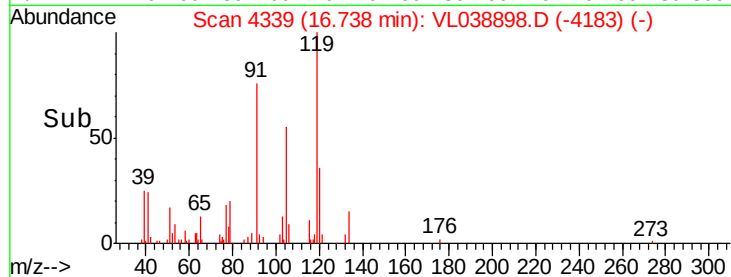
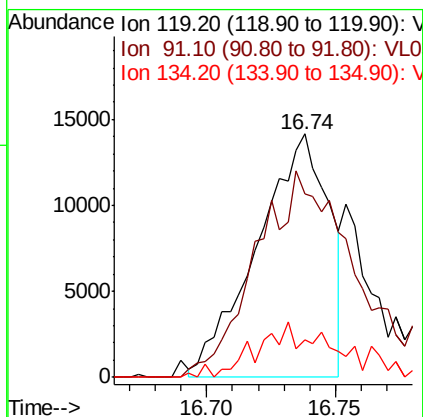
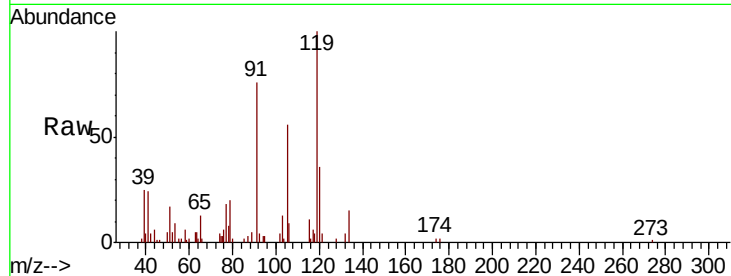
Ion 91.10 (90.80 to 91.80): VL0





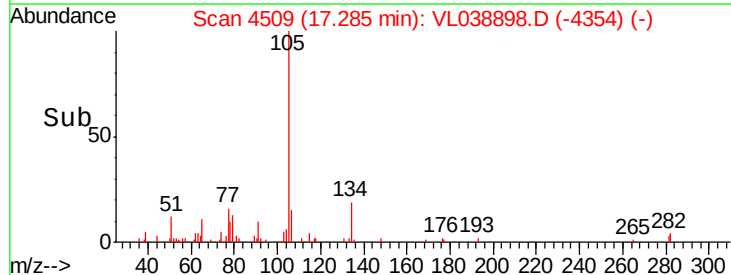
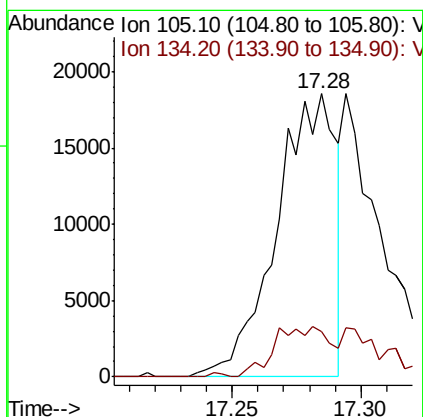
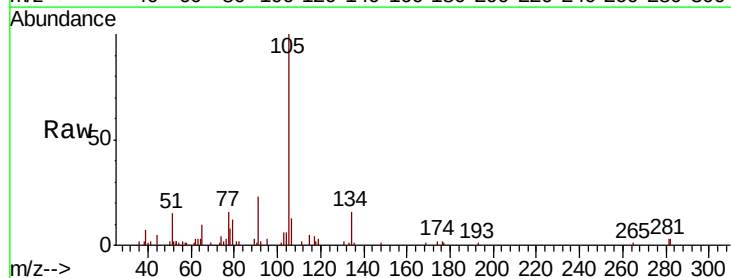
#65
tert-Butylbenzene
Concen: 0.077 ppbv
RT: 16.74 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 12 Apr 2022 19:04
MDL 0.1 NAPHT.

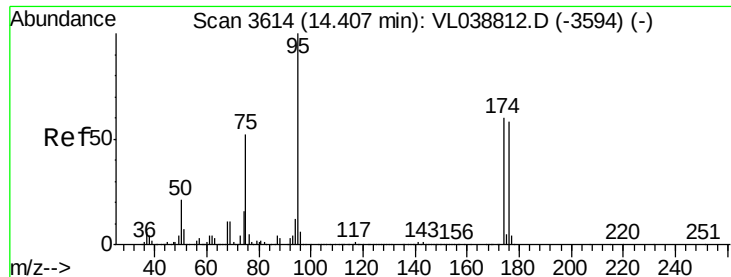
Tot Ion:119 Resp: 27304
Ion Ratio Lower Upper
119 100
91 130.9 62.8 94.2#
134 25.6 16.2 24.4#



#67
sec-Butylbenzene
Concen: 0.059 ppbv
RT: 17.28 min Scan# 4509
Delta R.T.: -0.00 min
Lab File: VL038898.D
Acq: 12 Apr 2022 19:04

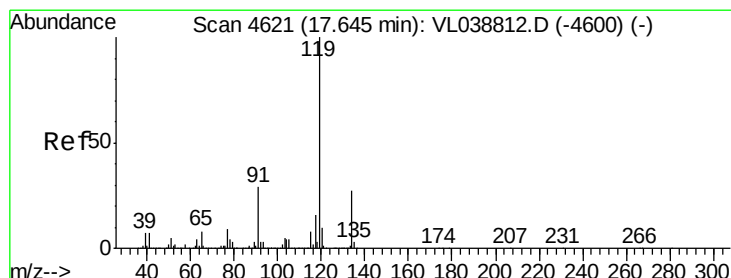
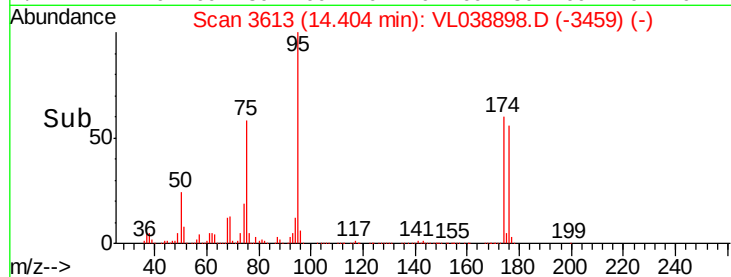
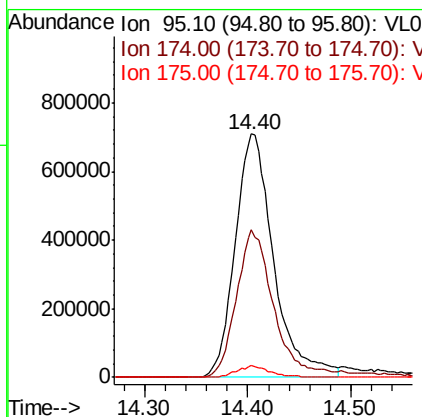
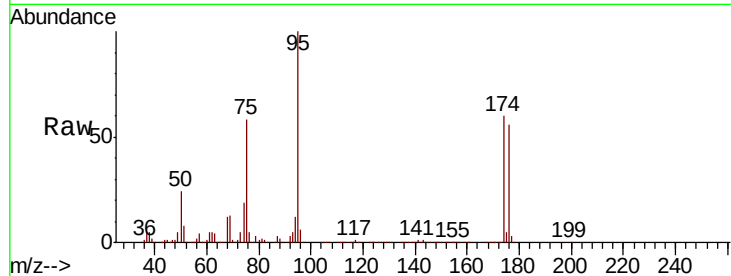
Tgt Ion:105 Resp: 29568
Ion Ratio Lower Upper
105 100
134 31.6 15.1 22.7#





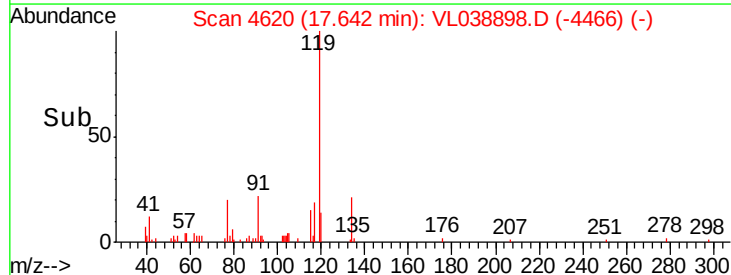
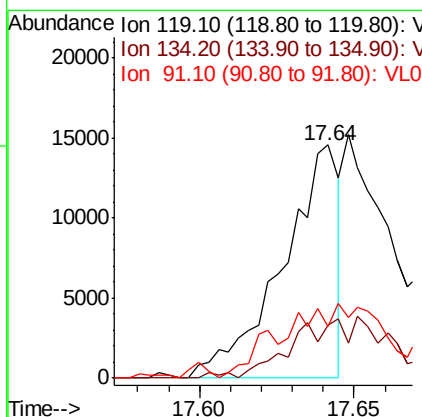
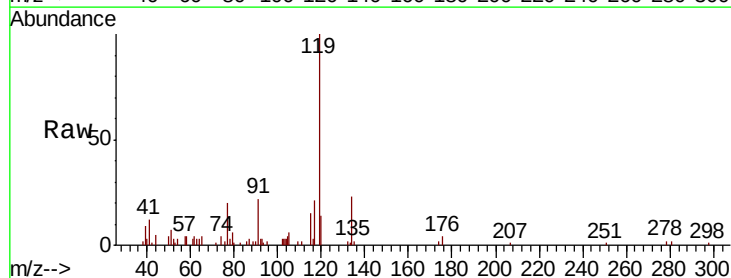
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.703 ppbv
 RT: 14.40 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 MDL 0.1 NAPHT.
 Acq: 12 Apr 2022 19:04

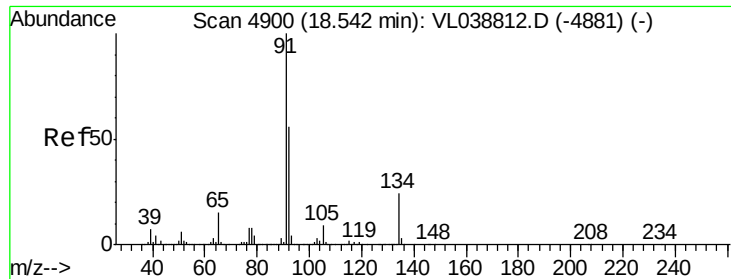
Tot Ion: 95 Resp: 1843140
 Ion Ratio Lower Upper
 95 100
 174 61.7 52.0 78.0
 175 4.3 4.0 6.0



#69
 p-Isopropyltoluene
 Concen: 0.045 ppbv
 RT: 17.64 min Scan# 4620
 Delta R.T. -0.00 min
 Lab File: VL038898.D
 Acq: 12 Apr 2022 19:04

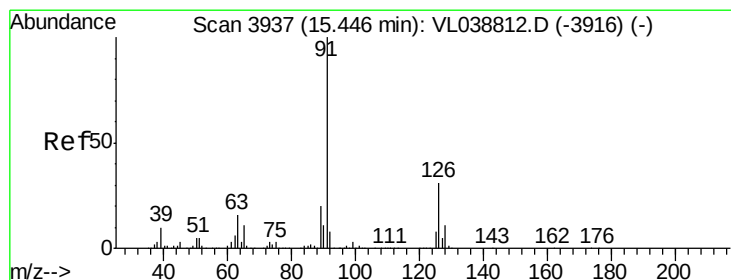
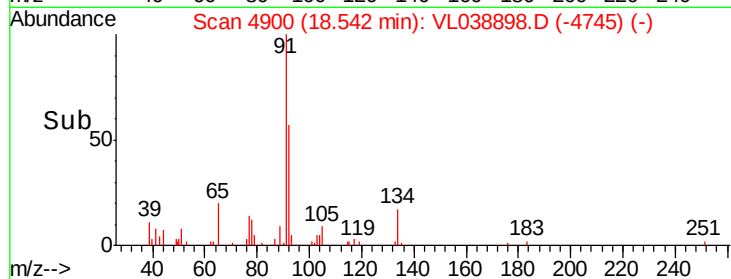
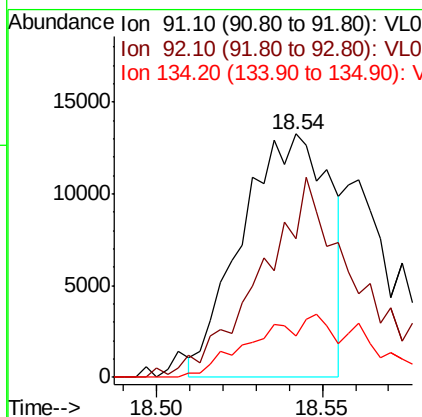
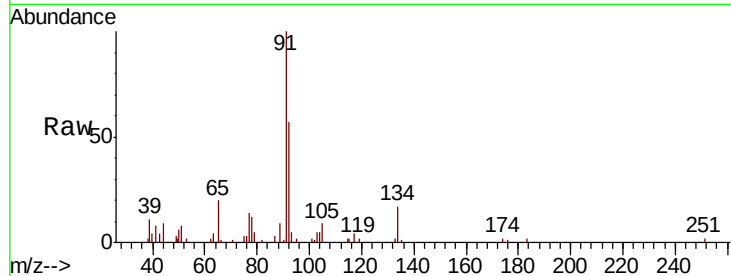
Tgt Ion: 119 Resp: 18446
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.8 31.2#
 91 0.0 22.6 34.0#





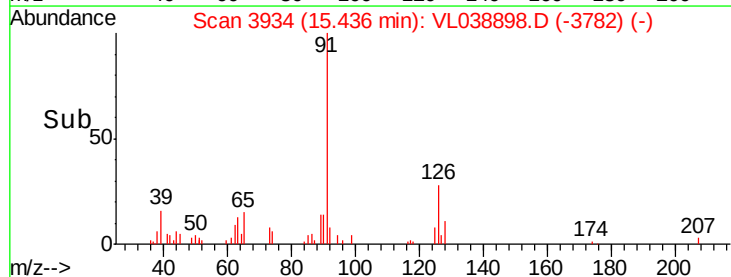
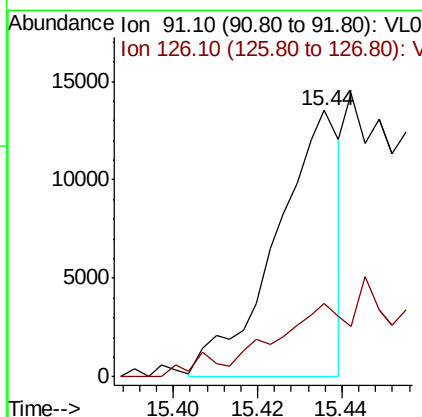
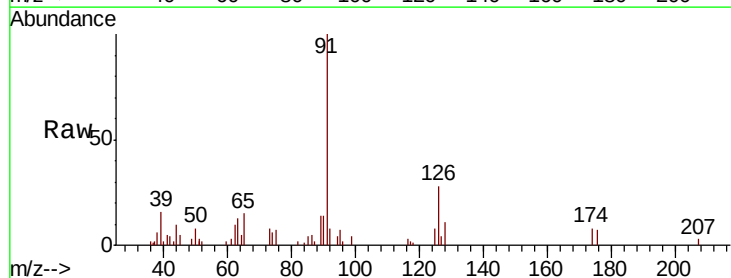
#70
n-Butylbenzene
Concen: 0.059 ppbv
RT: 18.54 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 12 Apr 2022 19:04
MDL 0.1 NAPHT.

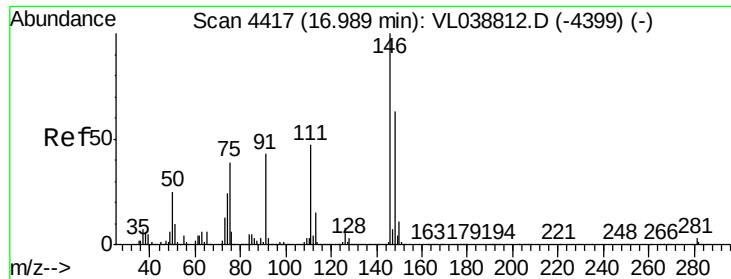
Tot Ion: 91 Resp: 24424
Ion Ratio Lower Upper
91 100
92 97.6 44.6 66.8#
134 33.6 19.2 28.8#



#71
2-Chlorotoluene
Concen: 0.047 ppbv
RT: 15.44 min Scan# 3934
Delta R.T.: -0.01 min
Lab File: VL038898.D
Acq: 12 Apr 2022 19:04

Tgt Ion: 91 Resp: 14241
Ion Ratio Lower Upper
91 100
126 0.0 13.0 51.8#





#75

1,3-Dichlorobenzene

Concen: 0.040 ppbv

RT: 16.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

MDL 0.1 NAPHT.

Acq: 12 Apr 2022 19:04

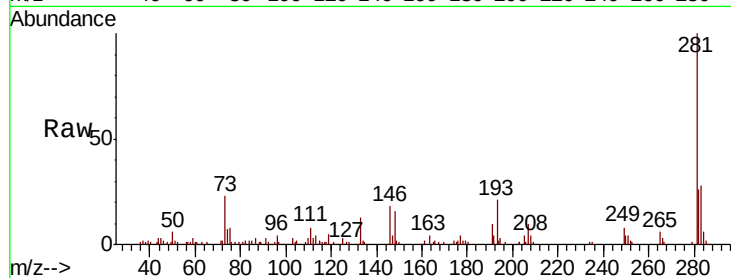
Tot Ion:146 Resp: 7055

Ion Ratio Lower Upper

146 100

111 157.5 23.8 71.2#

148 195.1 31.8 95.4#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

