

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\
 Data File : VL038923.D
 Acq On : 14 Apr 2022 18:08
 Operator : SY/AP
 Sample : MDL 0.1 NAPHT.
 Misc : 400mL/MSVOA L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 MDL 0.1 NAPHT.

Quant Time: Apr 15 08:06:56 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	5.68	49	1118167	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2623236	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	2256788	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1868573	10.92	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.20%

Target Compounds

					Ovalue
3) Chlorodifluoromethane	3.00	51	16908	0.124 ppbv	# 76
4) Chloromethane	3.15	50	7565	0.107 ppbv	# 79
5) Vinyl Chloride	3.27	62	3753	0.057 ppbv	# 87
6) Bromomethane	3.48	94	1160	0.037 ppbv	# 4
7) Chloroethane	3.57	64	1993	0.092 ppbv	# 98
8) Dichlorotetrafluoroethane	3.20	85	16315	0.110 ppbv	# 90
9) Propene	3.02	41	5464	0.076 ppbv	# 16
11) Trichlorofluoromethane	3.96	101	13034	0.102 ppbv	# 93
12) 1,1,2-Trichlorotrifluoroet	4.49	101	9005	0.092 ppbv	# 82
13) Ethanol	3.62	45	222	0.051 ppbv	# 100
14) Bromoethene	3.75	108	2282	0.053 ppbv	# 1
16) 1,3-Butadiene	3.33	39	4487	0.071 ppbv	# 9
18) 1,1-Dichloroethene	4.30	96	4783	0.107 ppbv	# 57
20) Methylene Chloride	4.36	84	7804	0.193 ppbv	# 76
21) Allyl Chloride	4.43	41	4594	0.055 ppbv	# 1
22) trans-1,2-Dichloroethene	4.90	96	1354	0.030 ppbv	# 27
24) 1,1-Dichloroethane	5.01	63	6526	0.067 ppbv	# 96
25) Ethyl Acetate	5.71	43	26418	0.094 ppbv	# 99
26) Hexane	5.70	57	10591	0.082 ppbv	# 1
27) Carbon Disulfide	4.56	76	5543	0.047 ppbv	# 21
29) Chloroform	5.76	83	20418	0.114 ppbv	# 84
32) 1,1,1-Trichloroethane	6.53	97	5738	0.032 ppbv	# 22
35) Carbon Tetrachloride	7.03	117	6715	0.043 ppbv	# 52
36) Benzene	6.90	78	16143	0.068 ppbv	# 87
37) 1,2-Dichloroethane	6.31	62	7148	0.066 ppbv	# 79
38) Trichloroethene	7.85	130	3191	0.033 ppbv	# 6
39) 1,2-Dichloropropane	7.25	63	7931	0.087 ppbv	# 35
42) Bromodichloromethane	7.80	83	7714	0.045 ppbv	# 53
43) Methyl Methacrylate	8.03	69	2826	0.031 ppbv	# 1
44) 2,2,4-Trimethylpentane	7.88	57	21951	0.054 ppbv	# 42
46) cis-1,3-Dichloropropene	8.72	75	5127	0.041 ppbv	# 90
47) 1,1,2-Trichloroethane	9.49	97	4309	0.046 ppbv	# 58
53) Toluene	9.81	91	21814	0.079 ppbv	# 98
54) 1,2-Dibromoethane	10.62	107	4567	0.035 ppbv	# 85
56) 1,1,1,2-Tetrachloroethane	12.14	131	3465	0.035 ppbv	# 1
57) Chlorobenzene	12.16	112	13010	0.070 ppbv	# 63
59) m/p-Xylene	13.01	91	15659	0.055 ppbv	# 30
60) o-Xylene	13.71	91	14108	0.053 ppbv	# 29
61) Styrene	13.54	104	5255	0.033 ppbv	# 14
62) Isopropylbenzene	14.68	105	17695	0.044 ppbv	# 48
63) 1,1,2,2-Tetrachloroethane	13.69	83	5709	0.034 ppbv	# 1

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Instrument :
MSVOA_L
ClientSampleId :
MDL 0.1 NAPHT.

Quant Time: Apr 15 08:06:56 2022
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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

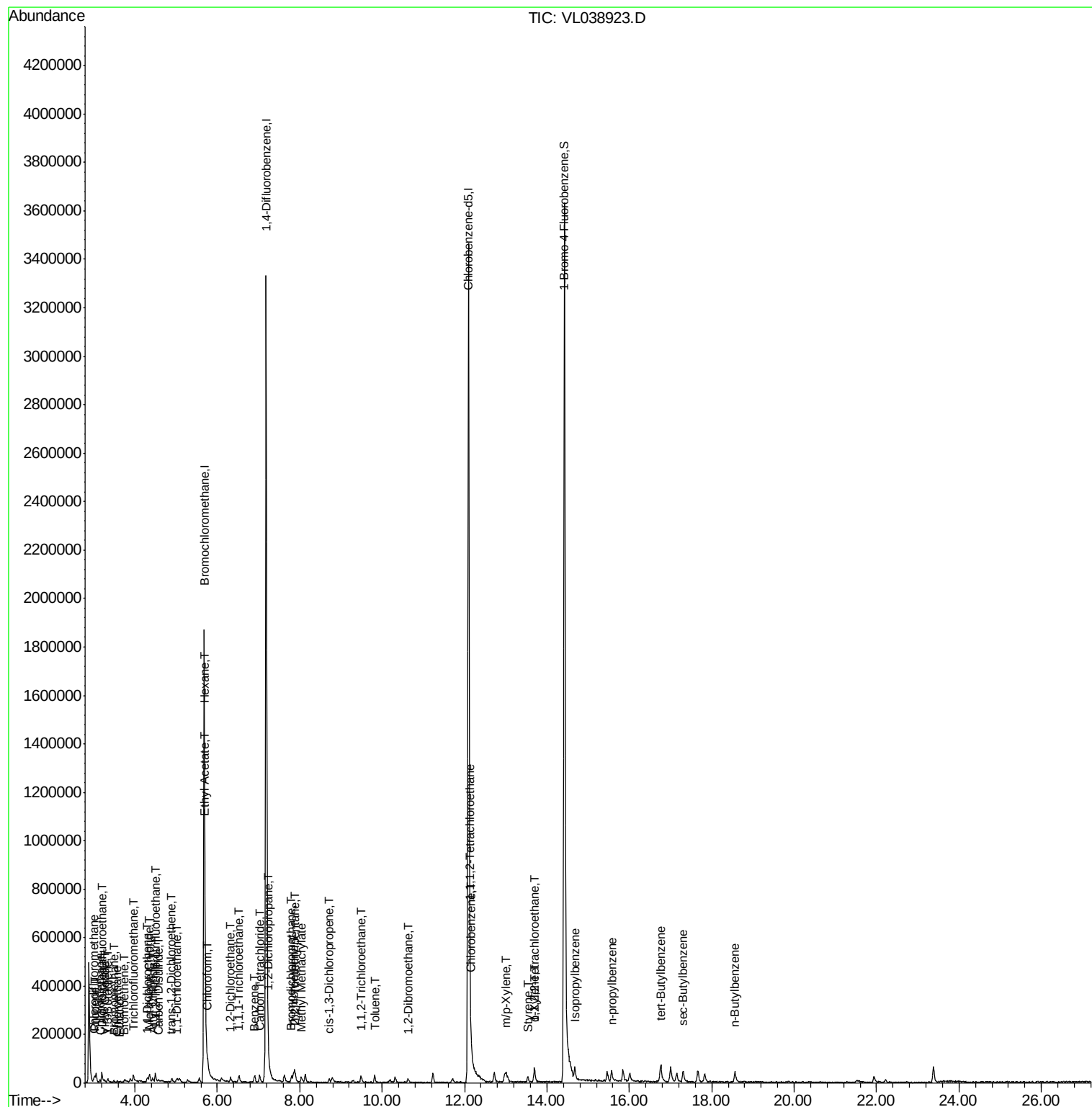
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) n-propylbenzene	15.57	120	4044	0.039	ppbv #	1
65) tert-Butylbenzene	16.76	119	12298	0.035	ppbv #	1
67) sec-Butylbenzene	17.31	105	17345	0.035	ppbv #	34
70) n-Butylbenzene	18.56	91	24209	0.059	ppbv #	73

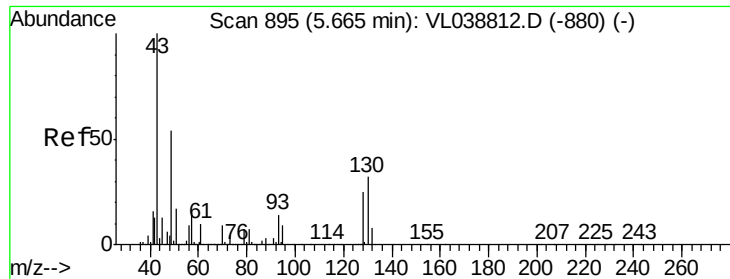
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL041422\
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MDL 0.1 NAPHT.

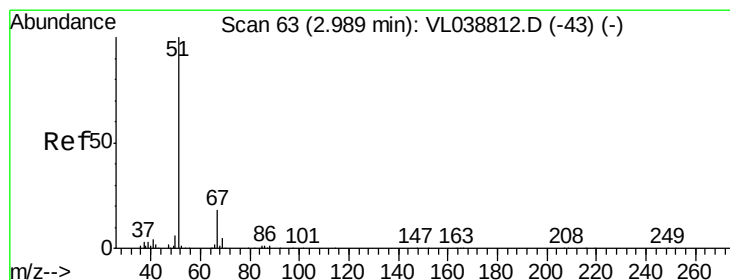
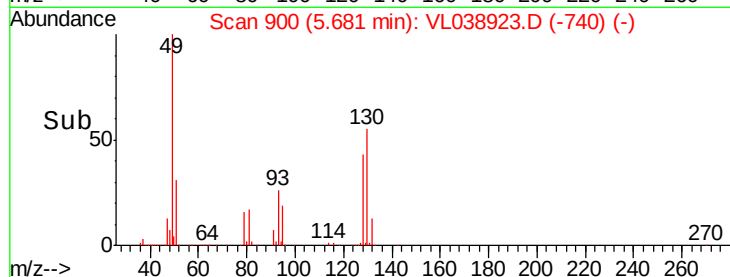
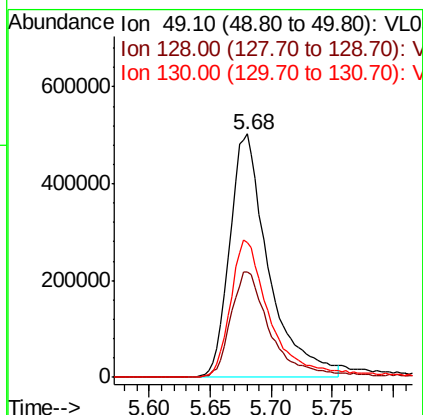
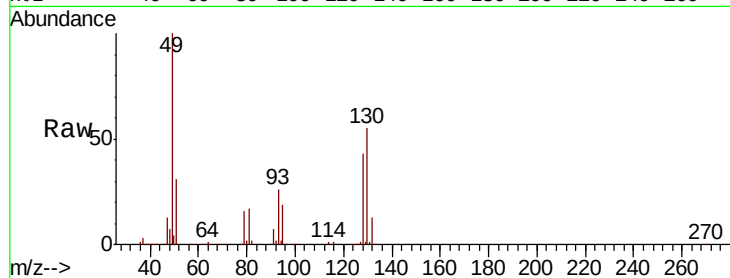
Quant Time: Apr 15 08:06:56 2022
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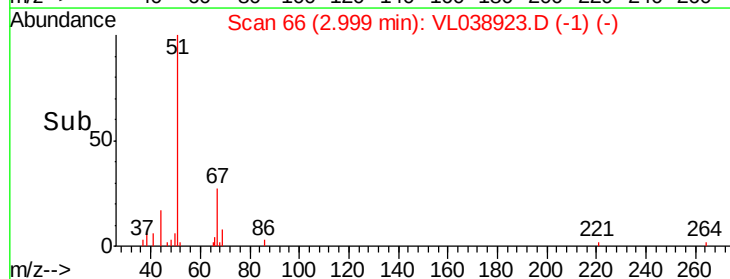
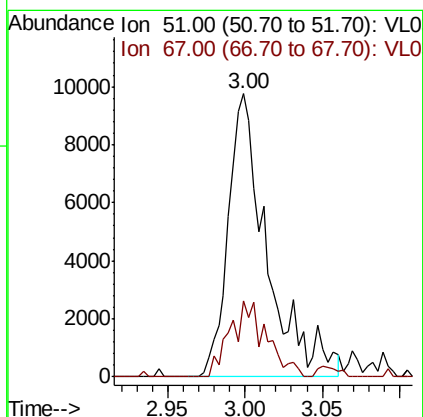
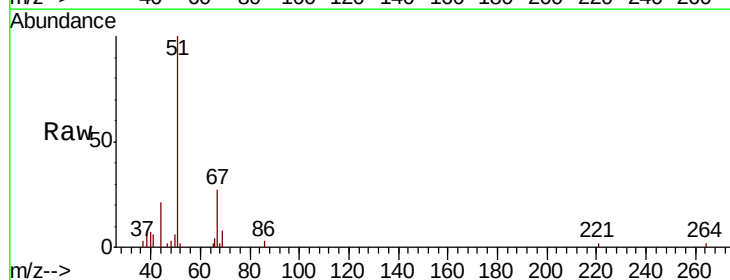
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 MDL 0.1 NAPHT.
 Acq: 14 Apr 2022 18:08

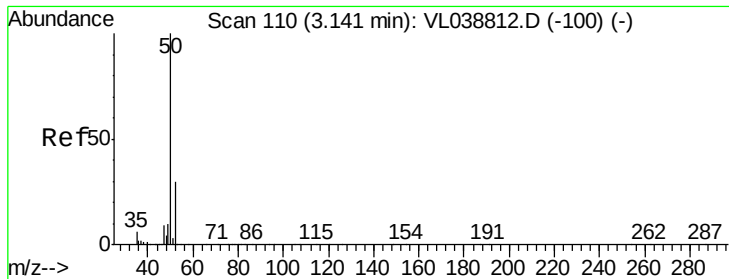
Tot Ion: 49 Resp: 1118167
 Ion Ratio Lower Upper
 49 100
 128 45.7 24.1 72.3
 130 58.9 30.9 92.8



#3
 Chlorodifluoromethane
 Concen: 0.124 ppbv
 RT: 3.00 min Scan# 66
 Delta R.T.: 0.01 min
 Lab File: VL038923.D
 Acq: 14 Apr 2022 18:08

Tgt Ion: 51 Resp: 16908
 Ion Ratio Lower Upper
 51 100
 67 26.9 13.4 20.0#





#4

Chloromethane

Concen: 0.107 ppbv

RT: 3.15 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

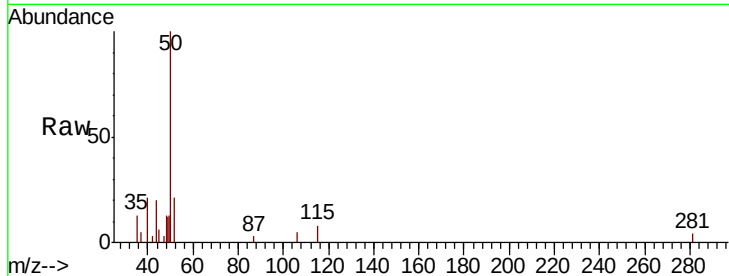
Acq: 14 Apr 2022 18:08 MDL 0.1 NAPHT.

Tot Ion: 50 Resp: 7565

Ion Ratio Lower Upper

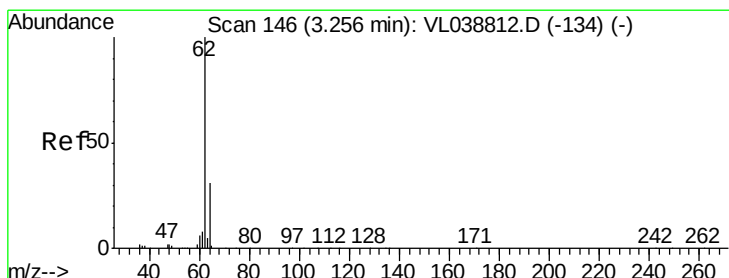
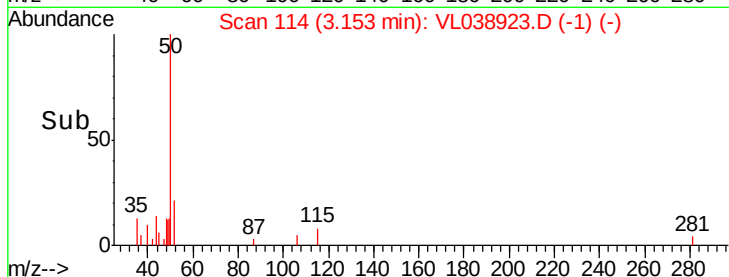
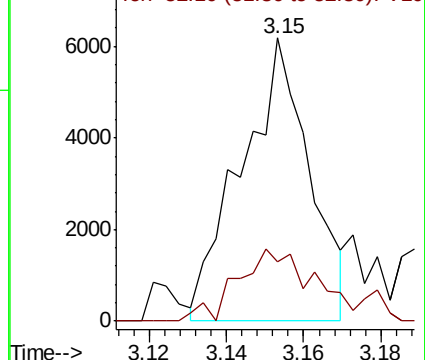
50 100

52 18.9 24.3 36.5#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#5

Vinyl Chloride

Concen: 0.057 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL038923.D

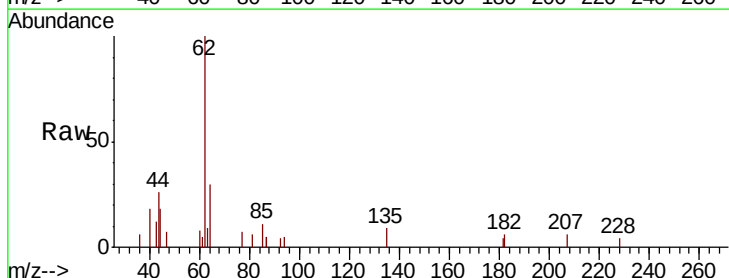
Acq: 14 Apr 2022 18:08

Tgt Ion: 62 Resp: 3753

Ion Ratio Lower Upper

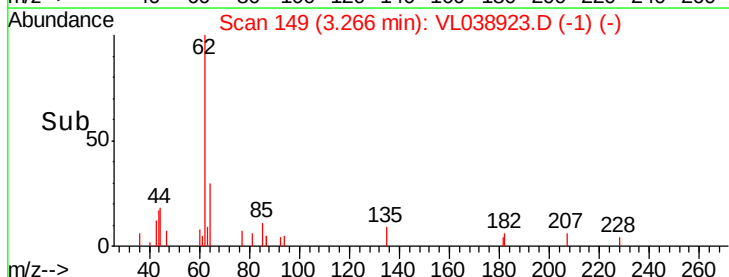
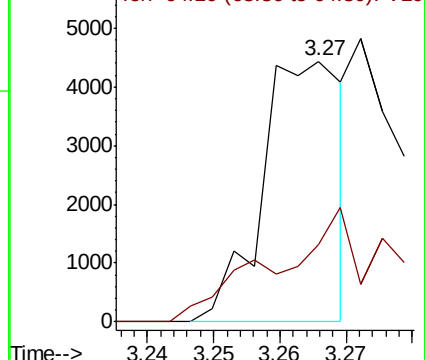
62 100

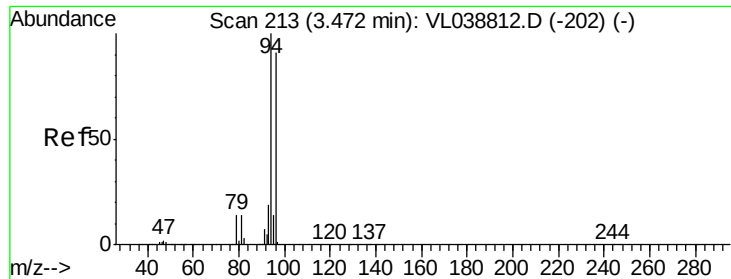
64 23.8 24.6 37.0#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#6

Bromomethane

Concen: 0.037 ppbv

RT: 3.48 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

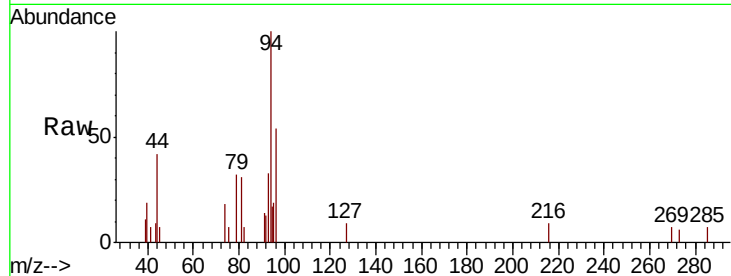
Acq: 14 Apr 2022 18:08 MDL 0.1 NAPHT.

Tot Ion: 94 Resp: 1160

Ion Ratio Lower Upper

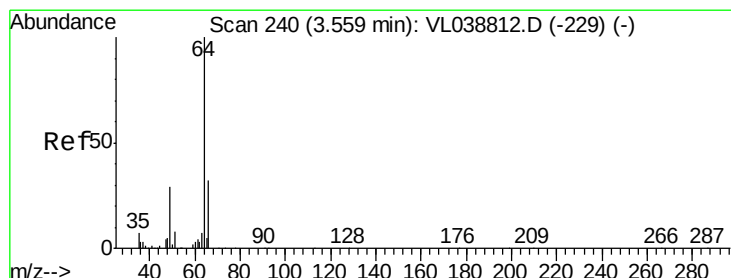
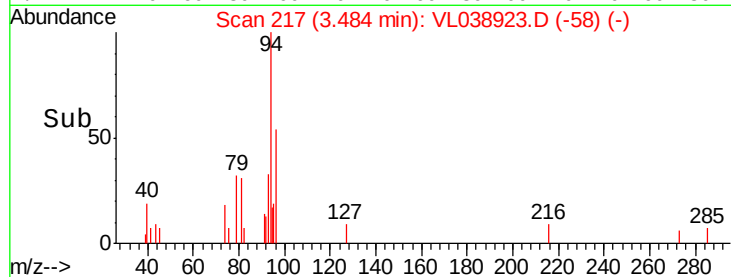
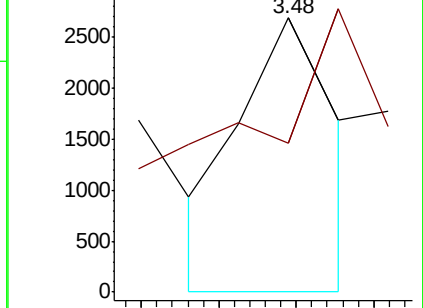
94 100

96 0.1 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: 0.092 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.01 min

Lab File: VL038923.D

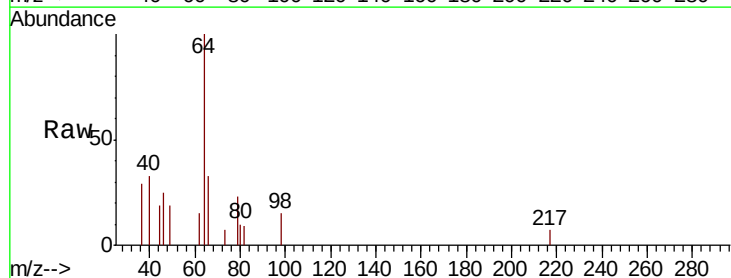
Acq: 14 Apr 2022 18:08

Tgt Ion: 64 Resp: 1993

Ion Ratio Lower Upper

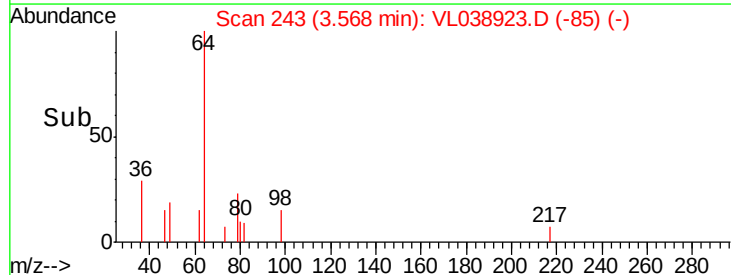
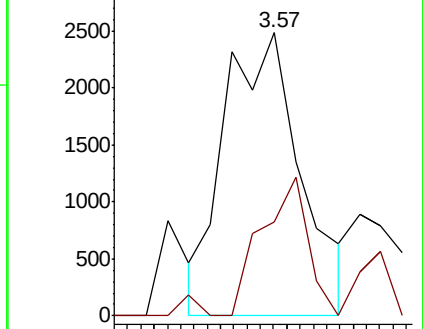
64 100

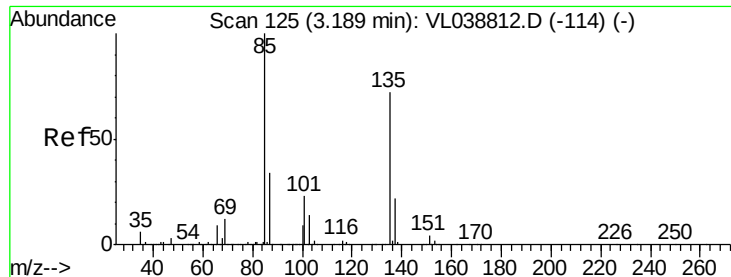
66 33.0 25.4 38.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#8

Dichlorotetrafluoroethane

Concen: 0.110 ppbv

RT: 3.20 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

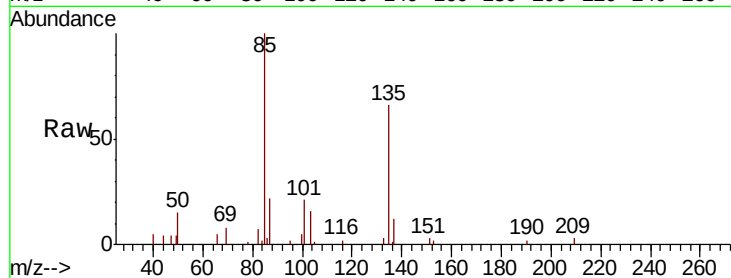
Acq: 14 Apr 2022 18:08 MDL 0.1 NAPHT.

Tot Ion: 85 Resp: 16315

Ion Ratio Lower Upper

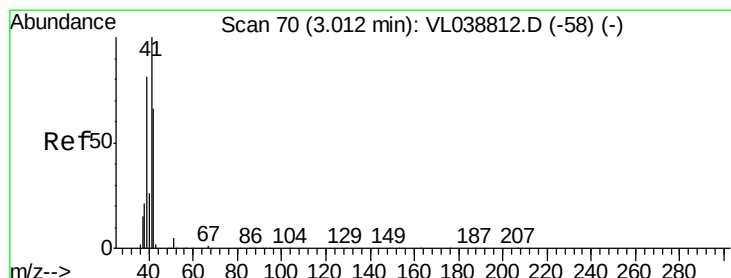
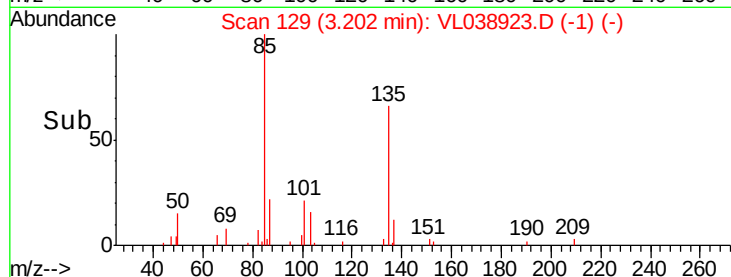
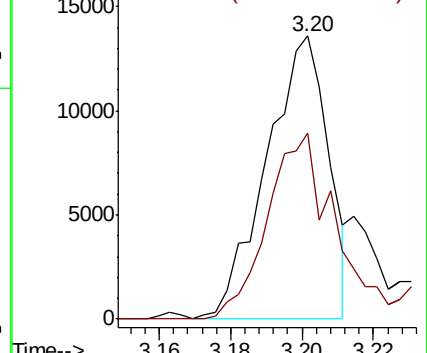
85 100

135 80.0 57.0 85.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0



#9

Propene

Concen: 0.076 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL038923.D

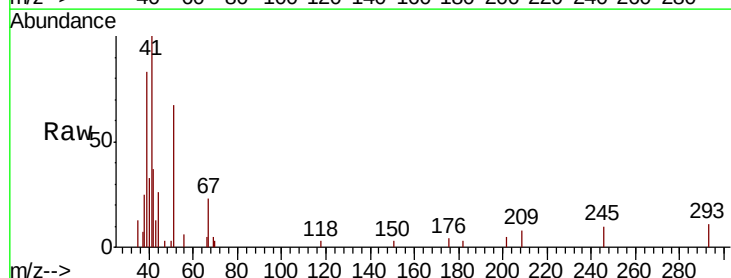
Acq: 14 Apr 2022 18:08

Tgt Ion: 41 Resp: 5464

Ion Ratio Lower Upper

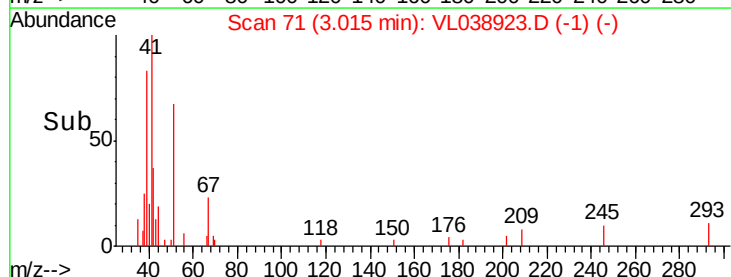
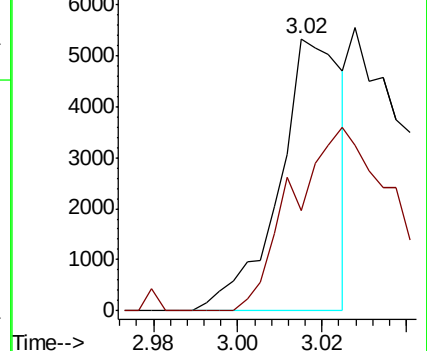
41 100

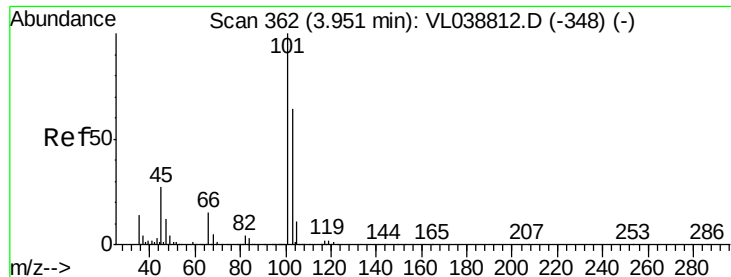
42 0.0 54.2 81.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

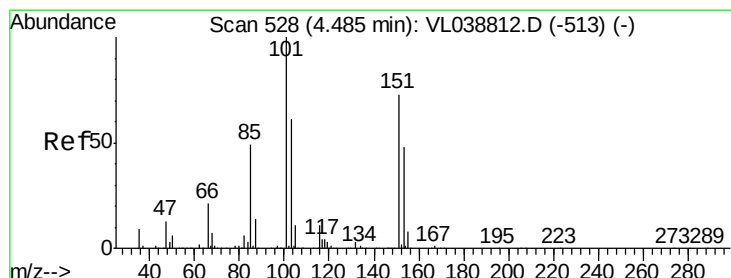
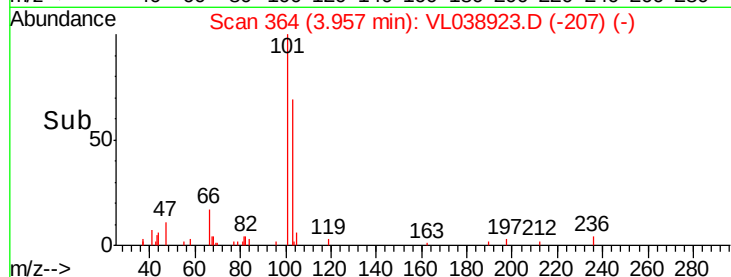
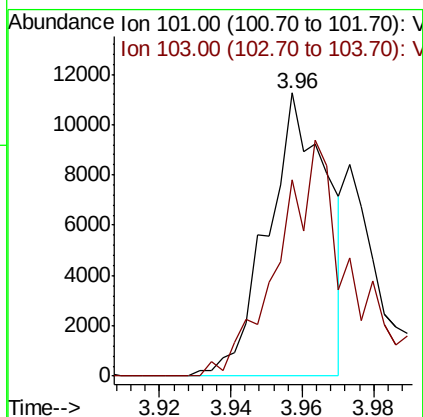
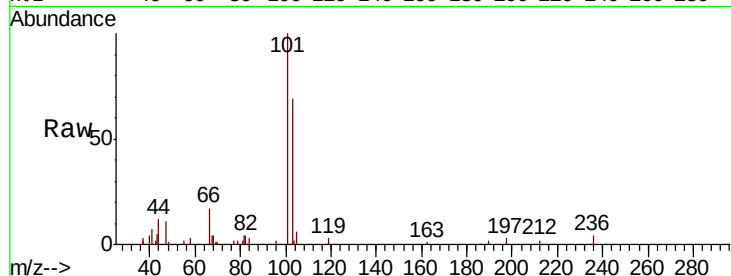
Ion 42.10 (41.80 to 42.80): VL0





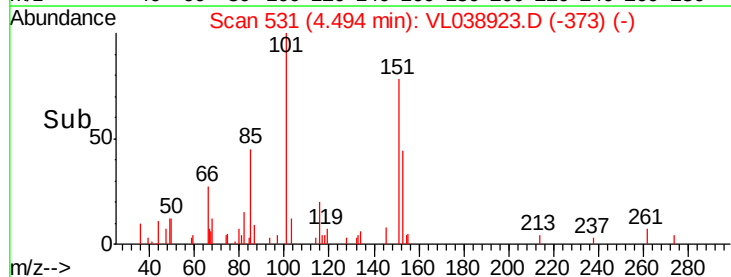
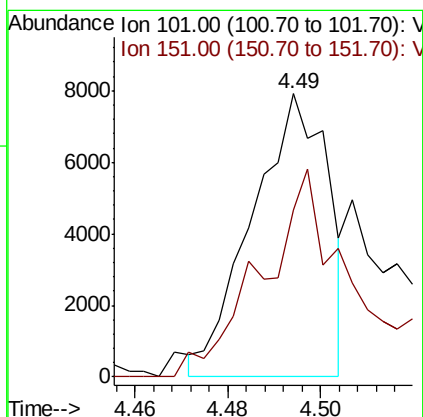
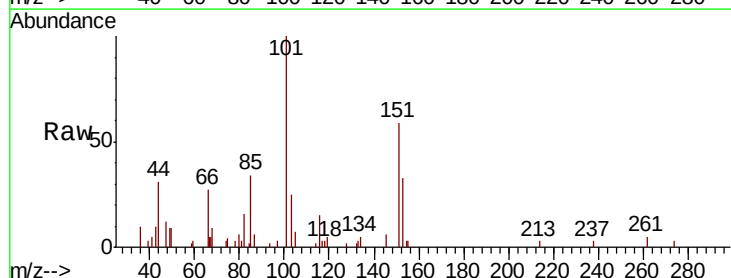
#11
 Trichlorofluoromethane
 Concen: 0.102 ppbv
 RT: 3.96
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 MDL 0.1 NAPHT.
 Acq: 14 Apr 2022 18:08

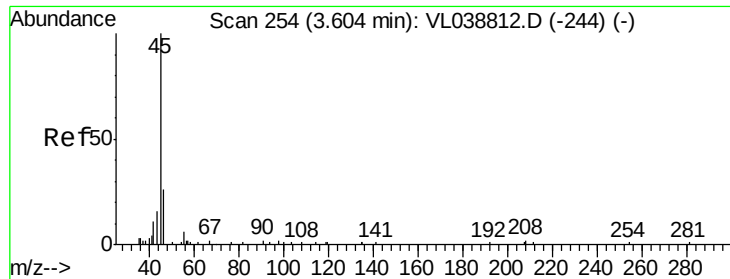
Tot Ion:101 Resp: 13034
 Ion Ratio Lower Upper
 101 100
 103 69.5 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.092 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T.: 0.01 min
 Lab File: VL038923.D
 Acq: 14 Apr 2022 18:08

Tgt Ion:101 Resp: 9005
 Ion Ratio Lower Upper
 101 100
 151 90.0 59.9 89.9#





#13

Ethanol

Concen: 0.051 ppbv

RT: 3.62 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

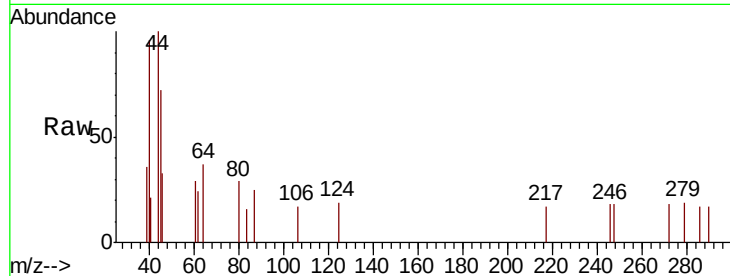
Acq: 14 Apr 2022 18:08 MDL 0.1 NAPHT.

Tot Ion: 45 Resp: 222

Ion Ratio Lower Upper

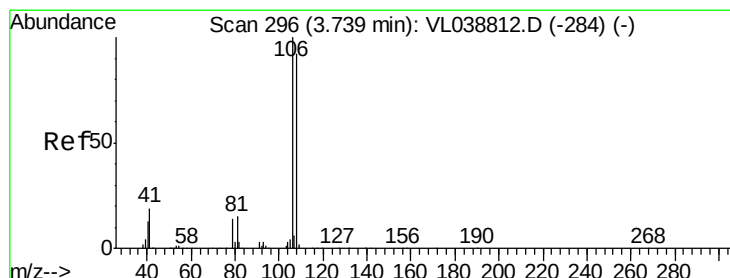
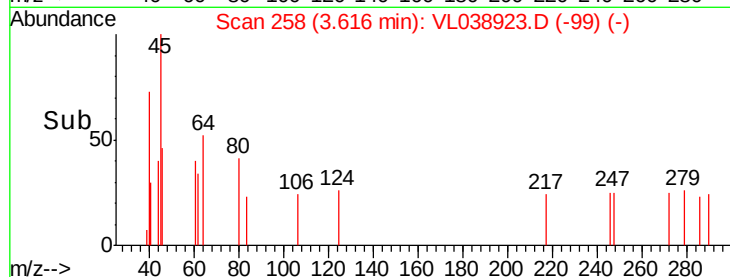
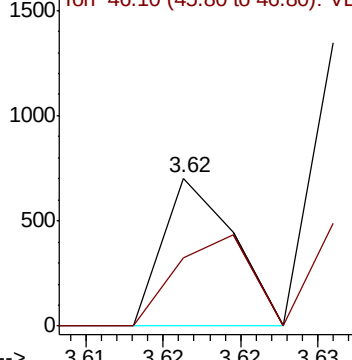
45 100

46 0.0 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: 0.053 ppbv

RT: 3.75 min Scan# 300

Delta R.T. 0.01 min

Lab File: VL038923.D

Acq: 14 Apr 2022 18:08

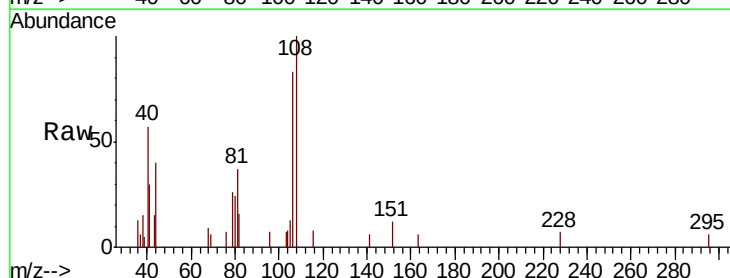
Tgt Ion: 108 Resp: 2282

Ion Ratio Lower Upper

108 100

106 248.8 91.5 137.3#

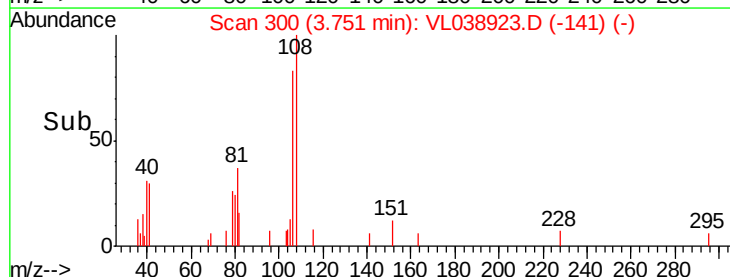
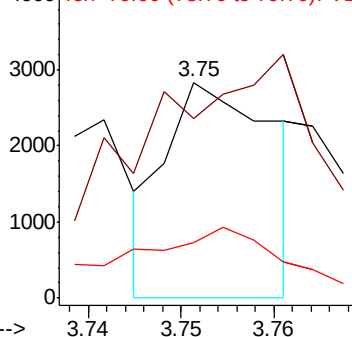
79 58.3 13.7 20.5#

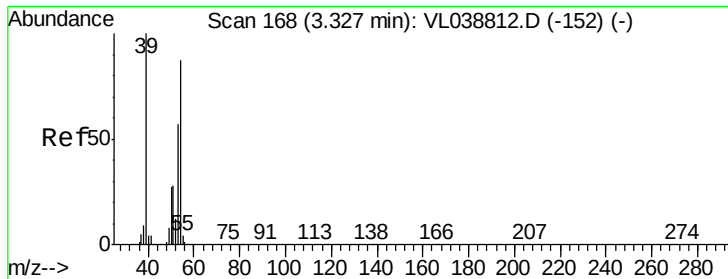


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

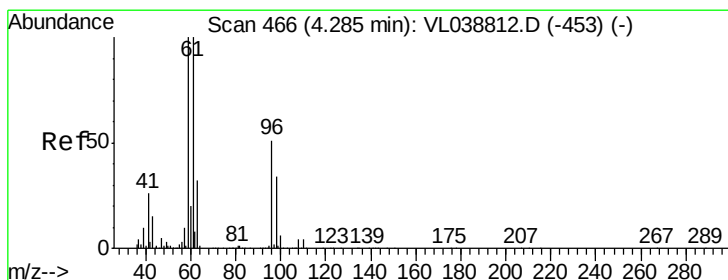
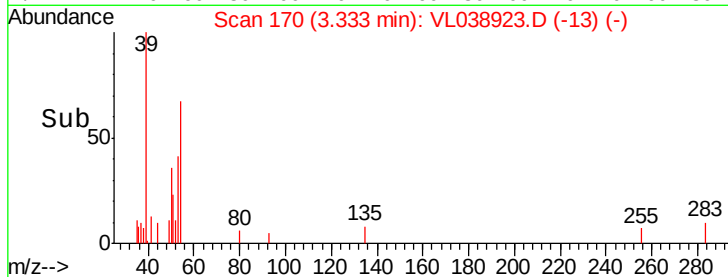
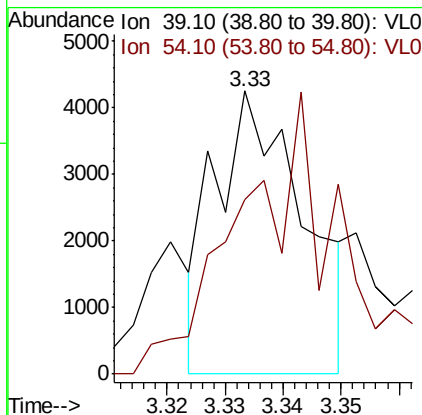
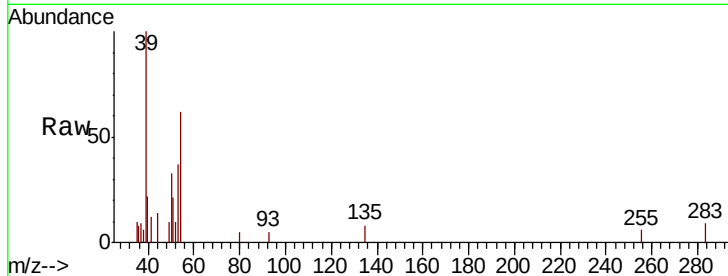
Ion 79.00 (78.70 to 79.70): VL0





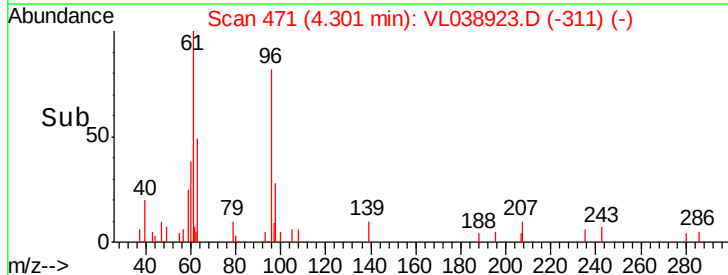
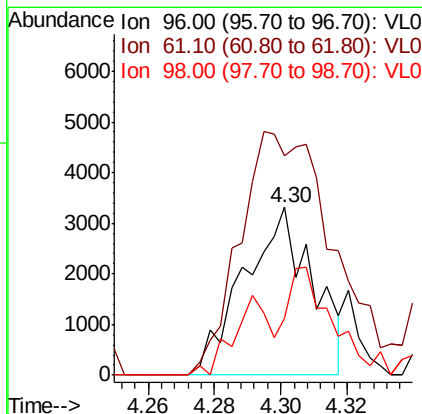
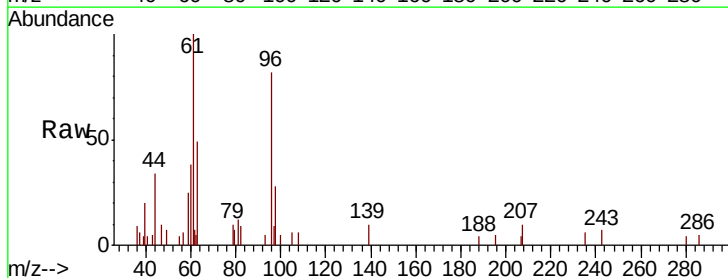
#16
 1,3-Butadiene
 Concen: 0.071 ppbv
 RT: 3.33
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 MDL 0.1 NAPHT.
 Acq: 14 Apr 2022 18:08

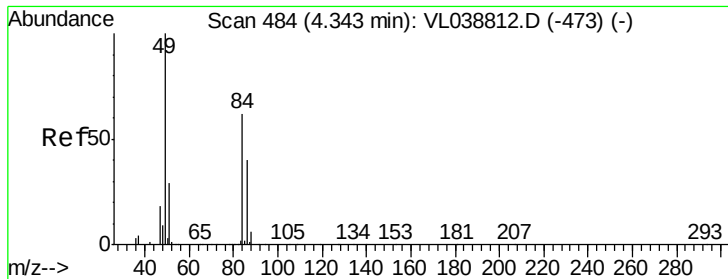
Tot Ion: 39 Resp: 4487
 Ion Ratio Lower Upper
 39 100
 54 0.0 64.8 97.2#



#18
 1,1-Dichloroethene
 Concen: 0.107 ppbv
 RT: 4.30 min Scan# 471
 Delta R.T. 0.02 min
 Lab File: VL038923.D
 Acq: 14 Apr 2022 18:08

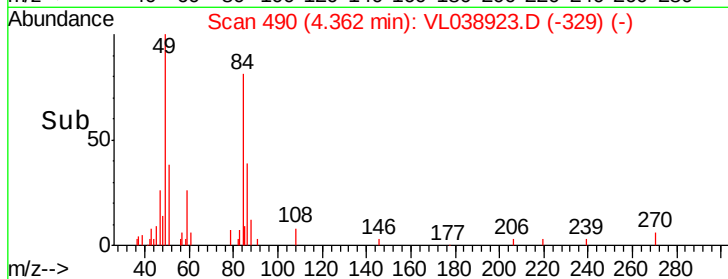
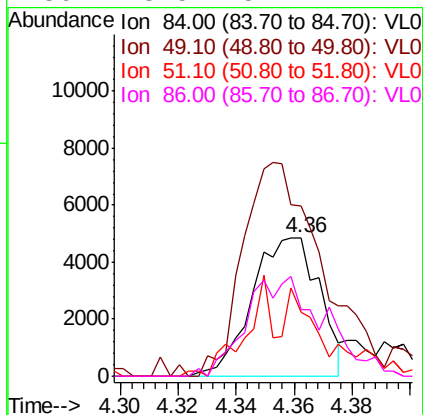
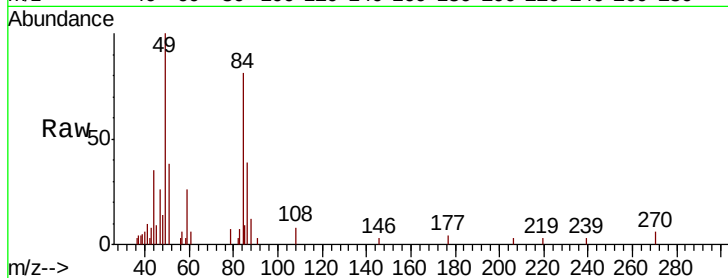
Tgt Ion: 96 Resp: 4783
 Ion Ratio Lower Upper
 96 100
 61 130.6 156.1 234.1#
 98 33.5 53.0 79.6#





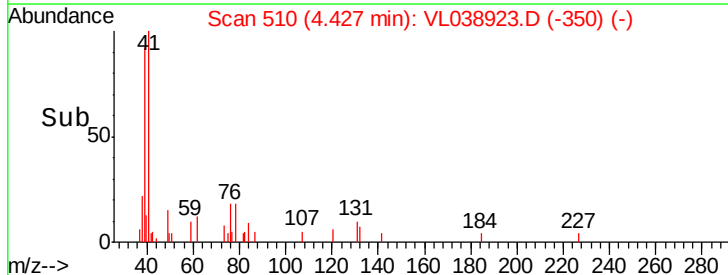
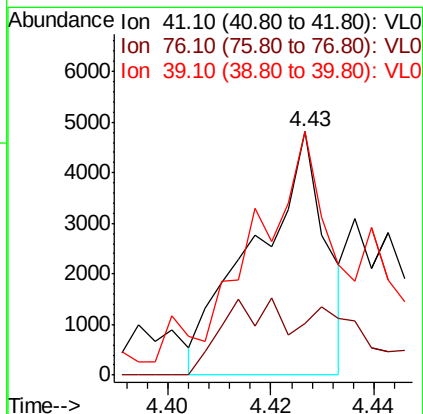
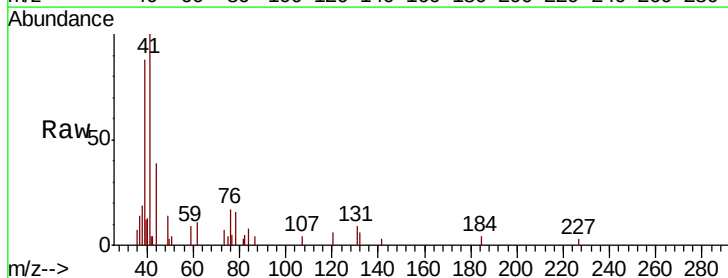
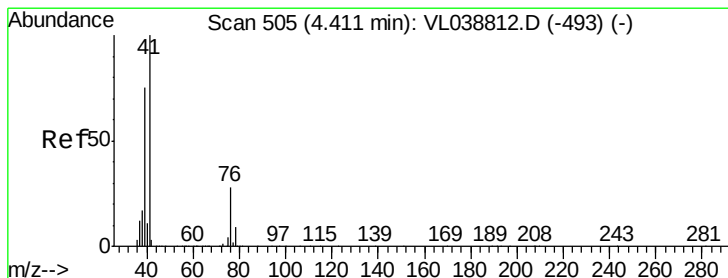
#20
Methylene Chloride
Concen: 0.193 ppbv
RT: 4.36 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Apr 2022 18:08

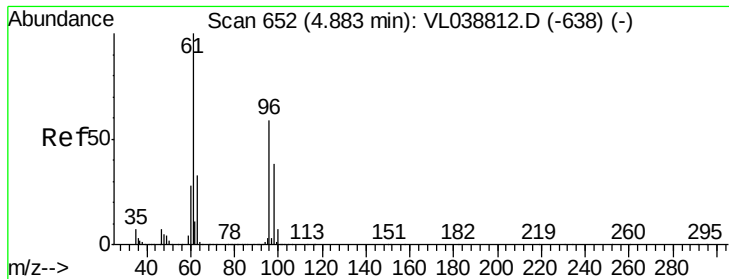
Tot Ion: 84	Resp: 7804
Ion Ratio	Lower Upper
84 100	
49 122.9	129.4 194.0#
51 38.5	37.4 56.2
86 48.5	51.4 77.2#



#21
Allyl Chloride
Concen: 0.055 ppbv
RT: 4.43 min Scan# 510
Delta R.T. 0.02 min
Lab File: VL038923.D
Acq: 14 Apr 2022 18:08

Tgt	Ion: 41	Resp:	4594
Ion	Ratio	Lower	Upper
41	100		
76	58.0	23.7	35.5#
39	191.4	62.0	93.0#





#22

trans-1,2-Dichloroethene

Concen: 0.030 ppbv

RT: 4.90 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 14 Apr 2022 18:08 MDL 0.1 NAPHT.

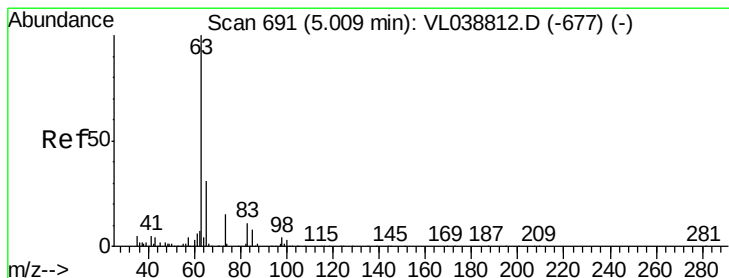
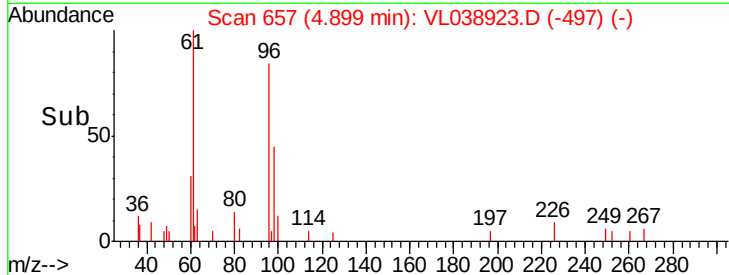
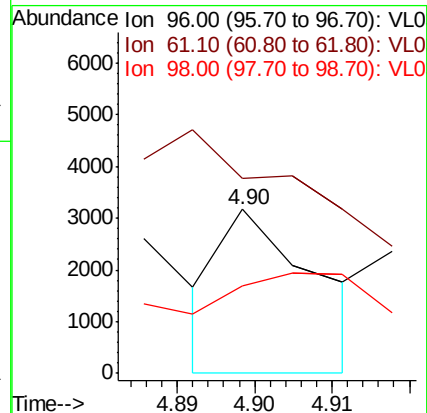
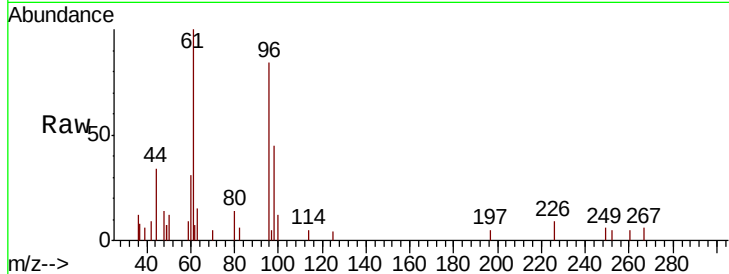
Tot Ion: 96 Resp: 1354

Ion Ratio Lower Upper

96 100

61 51.1 134.8 202.2#

98 33.3 51.9 77.9#



#24

1,1-Dichloroethane

Concen: 0.067 ppbv

RT: 5.01 min Scan# 693

Delta R.T. 0.01 min

Lab File: VL038923.D

Acq: 14 Apr 2022 18:08

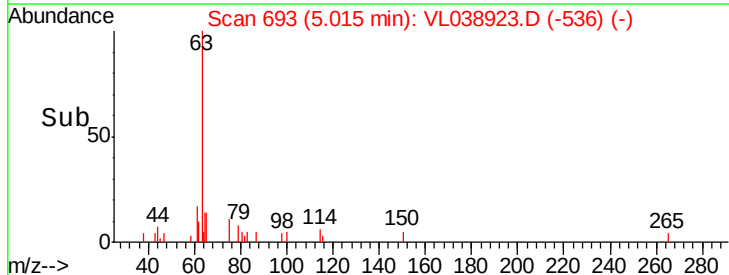
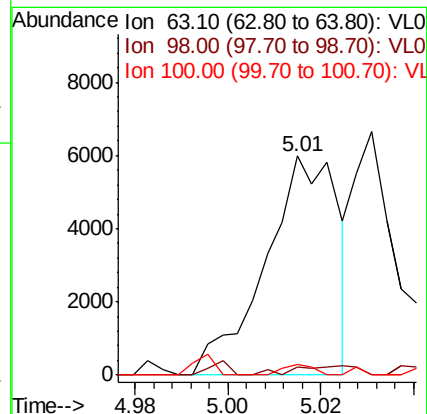
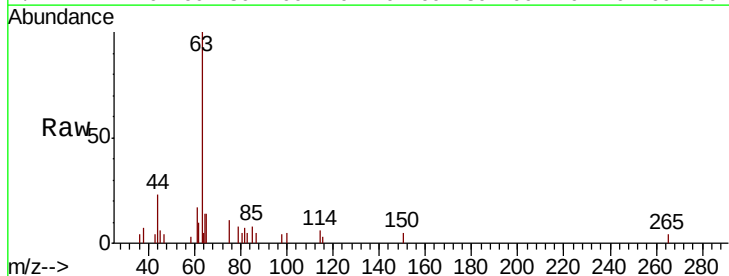
Tgt Ion: 63 Resp: 6526

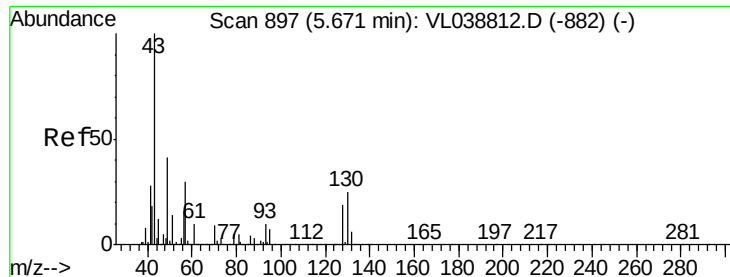
Ion Ratio Lower Upper

63 100

98 3.6 2.2 6.6

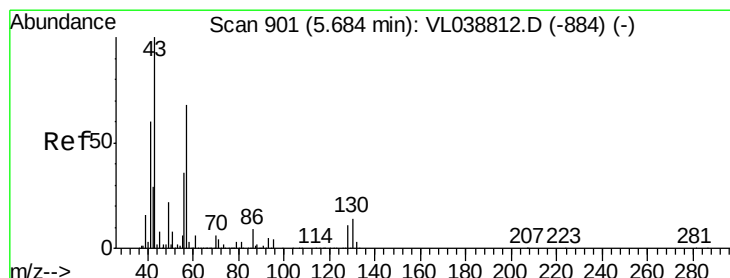
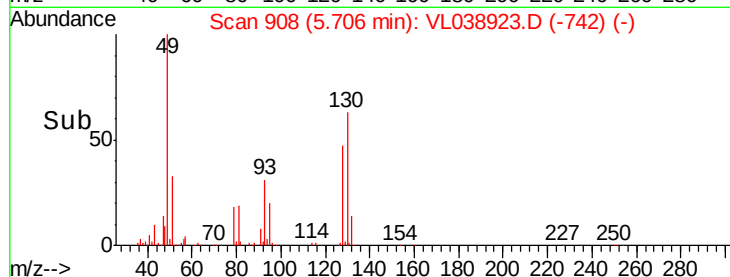
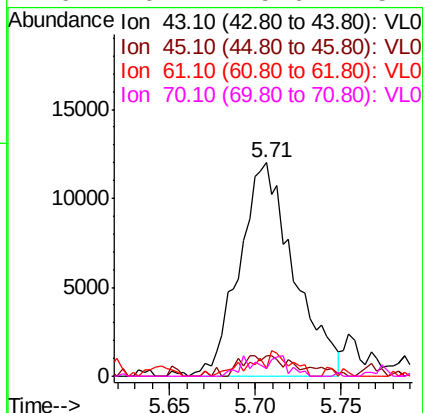
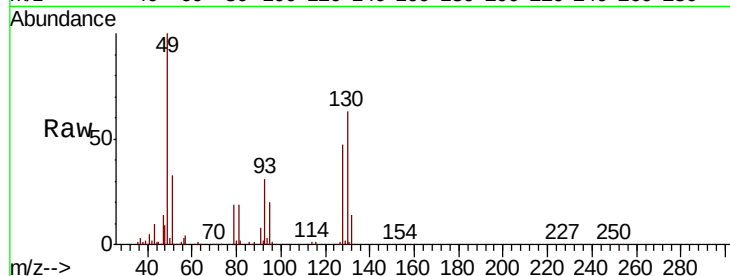
100 4.8 1.4 4.0#





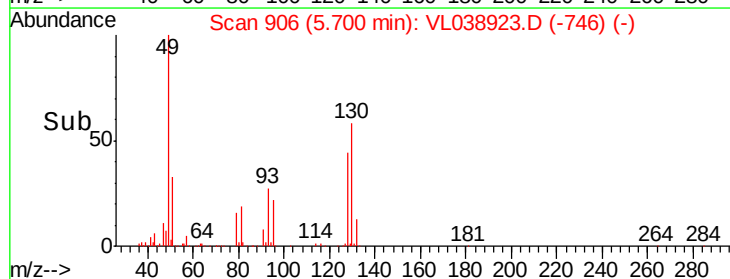
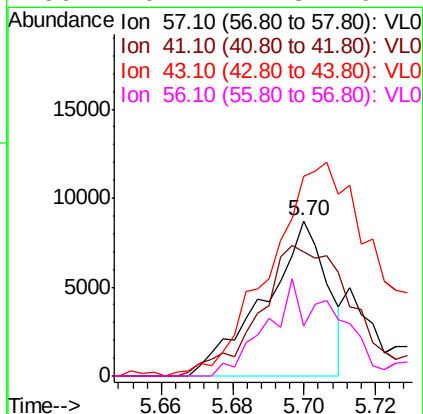
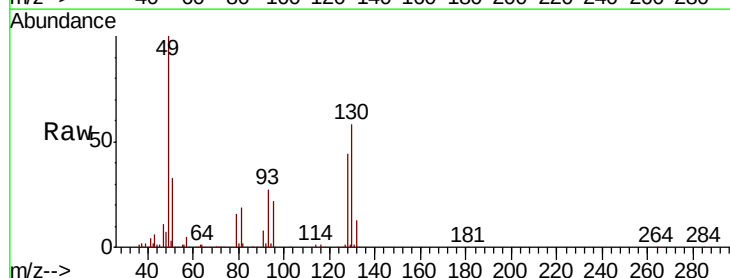
#25
Ethyl Acetate
Concen: 0.094 ppbv
RT: 5.71 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Apr 2022 18:08

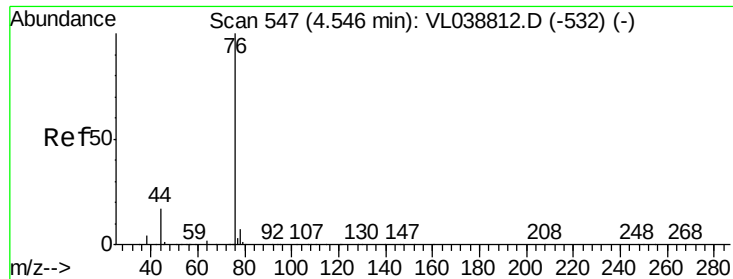
Tot Ion:	43	Resp:	26418
Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.4	12.6
61	9.7	7.9	11.9
70	6.2	5.6	8.4



#26
Hexane
Concen: 0.082 ppbv
RT: 5.70 min Scan# 906
Delta R.T.: 0.02 min
Lab File: VL038923.D
Acq: 14 Apr 2022 18:08

Tgt Ion:	57	Resp:	10591
Ion	Ratio	Lower	Upper
57	100		
41	132.5	72.0	108.0#
43	0.0	186.6	280.0#
56	76.4	42.8	64.2#





#27

Carbon Disulfide

Concen: 0.047 ppbv

RT: 4.56 Instrument:

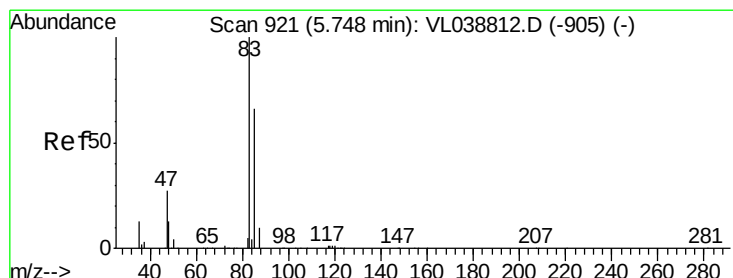
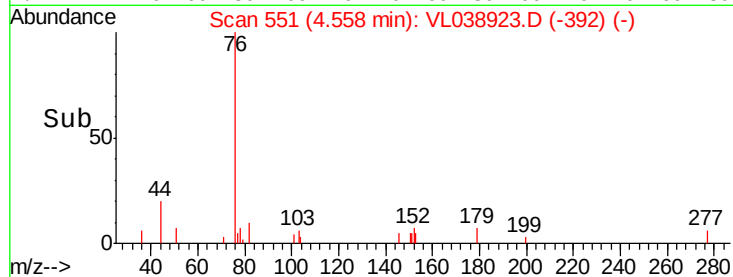
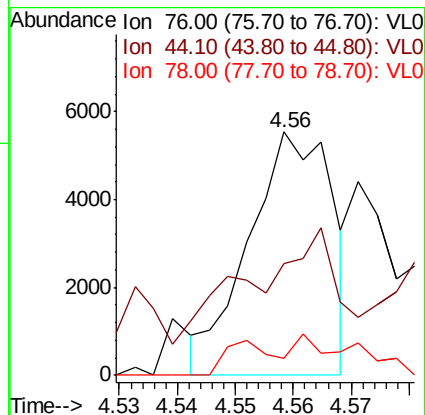
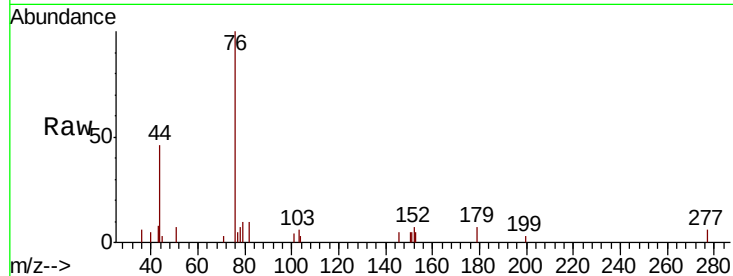
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 18:08 MDL 0.1 NAPHT.

Tot Ion: 76 Resp: 5543

Ion	Ratio	Lower	Upper
76	100		
44	67.3	15.7	23.5#
78	20.0	7.8	11.8#



#29

Chloroform

Concen: 0.114 ppbv

RT: 5.76 min Scan# 926

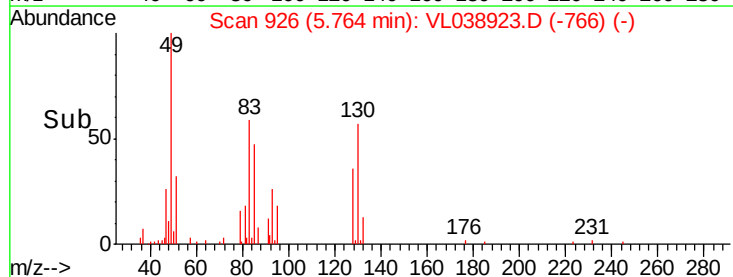
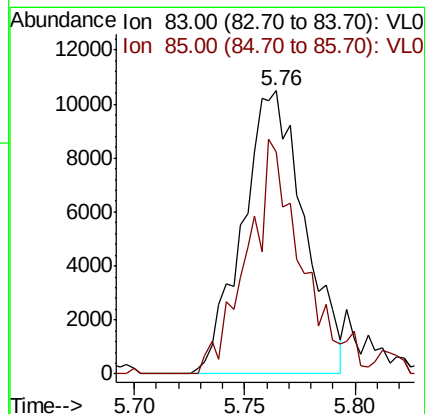
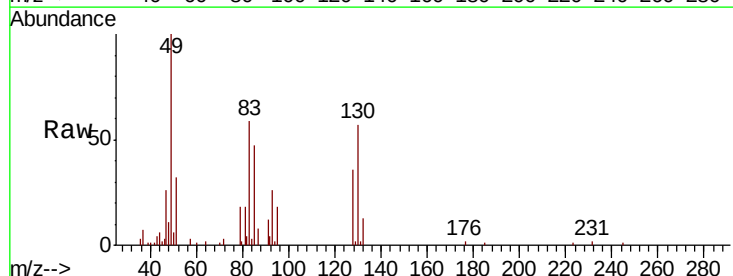
Delta R.T. 0.02 min

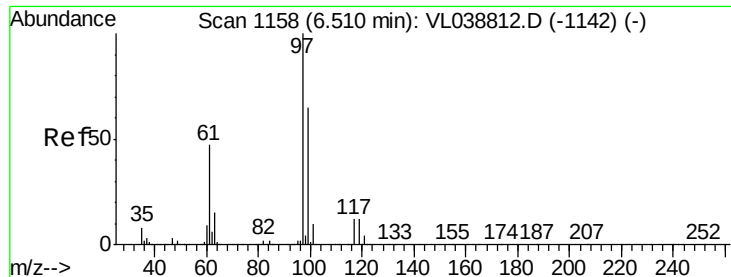
Lab File: VL038923.D

Acq: 14 Apr 2022 18:08

Tgt Ion: 83 Resp: 20418

Ion	Ratio	Lower	Upper
83	100		
85	78.4	52.5	78.7





#32

1,1,1-Trichloroethane

Concen: 0.032 ppbv

RT: 6.53 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Apr 2022 18:08 MDL 0.1 NAPHT.

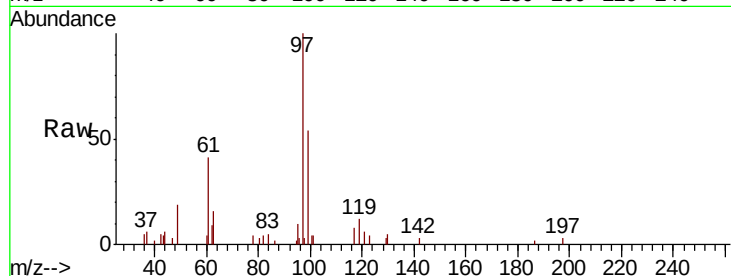
Tot Ion: 97 Resp: 5738

Ion Ratio Lower Upper

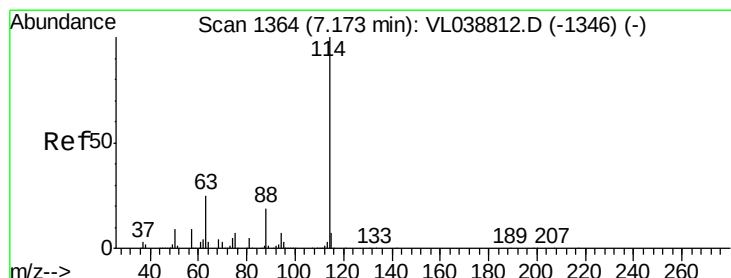
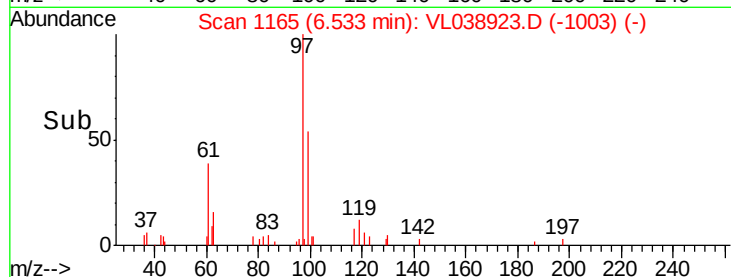
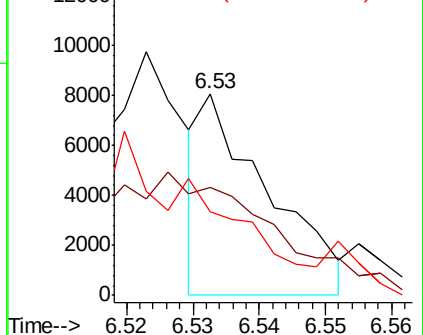
97 100

99 0.0 52.4 78.6#

61 0.0 38.6 57.8#



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. 0.02 min

Lab File: VL038923.D

Acq: 14 Apr 2022 18:08

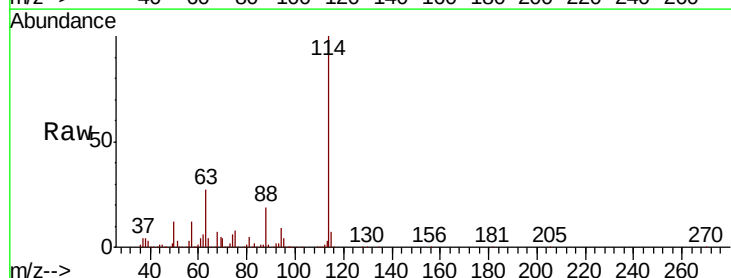
Tgt Ion: 114 Resp: 2623236

Ion Ratio Lower Upper

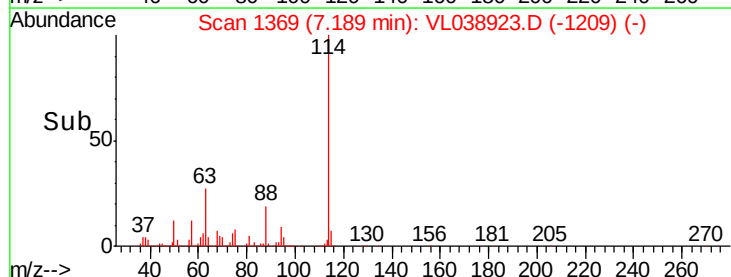
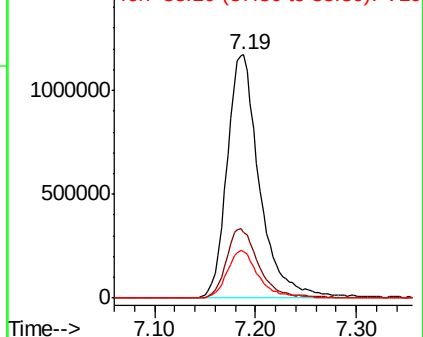
114 100

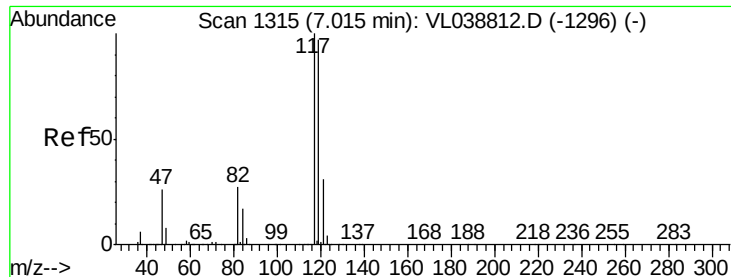
63 28.9 19.8 29.8

88 19.5 14.2 21.4



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





#35

Carbon Tetrachloride

Concen: 0.043 ppbv

RT: 7.03 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: MDL 0.1 NAPHT.

Acq: 14 Apr 2022 18:08

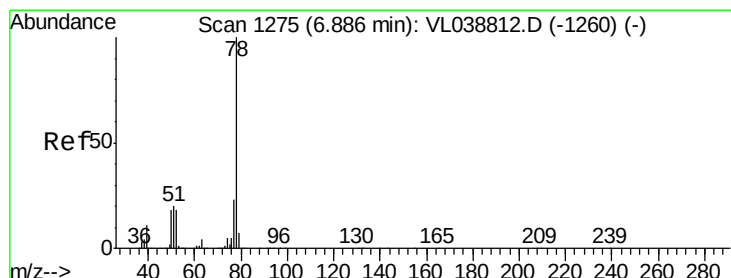
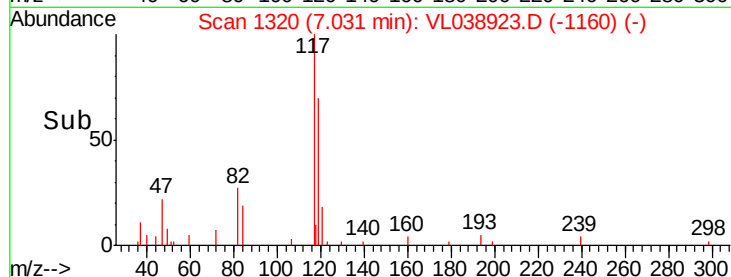
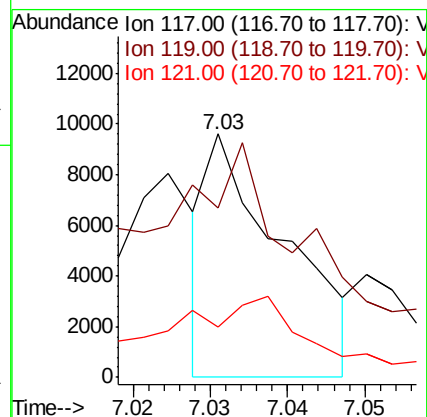
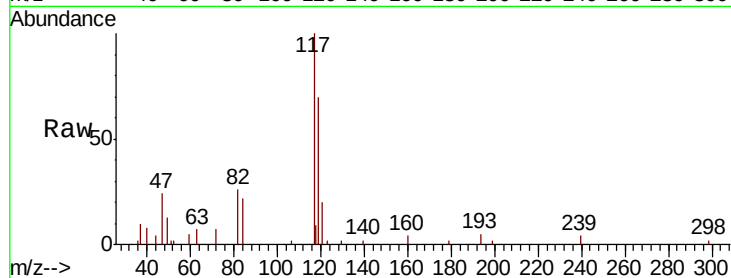
Tot Ion: 117 Resp: 6715

Ion Ratio Lower Upper

117 100

119 42.1 77.7 116.5#

121 17.8 24.5 36.7#



#36

Benzene

Concen: 0.068 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.02 min

Lab File: VL038923.D

Acq: 14 Apr 2022 18:08

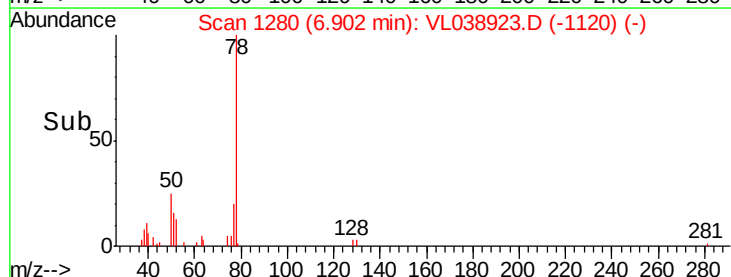
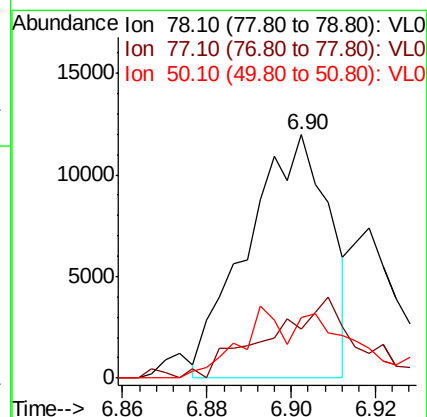
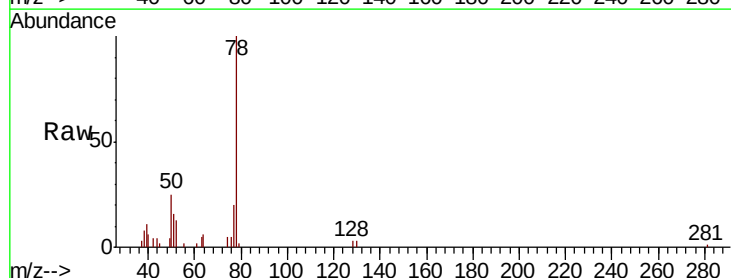
Tgt Ion: 78 Resp: 16143

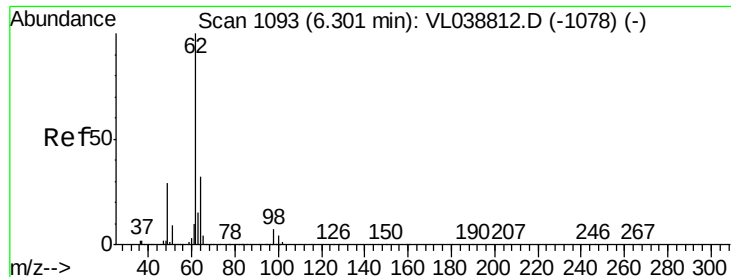
Ion Ratio Lower Upper

78 100

77 17.2 18.2 27.2#

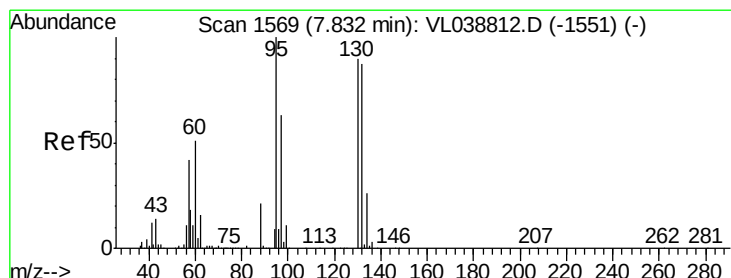
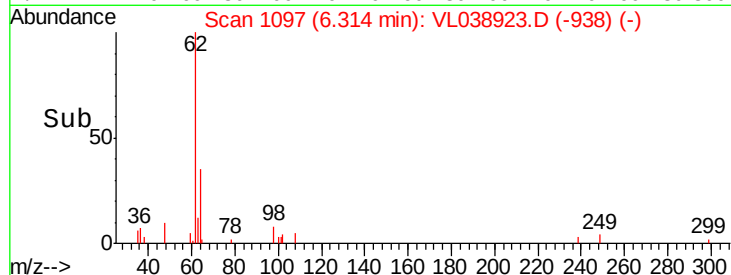
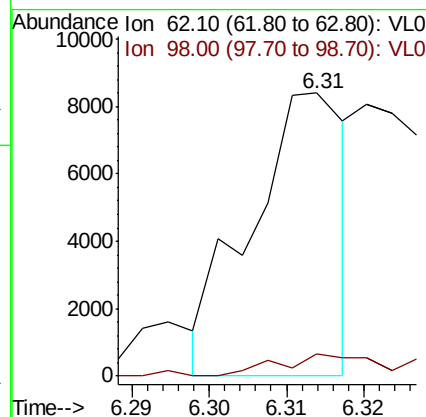
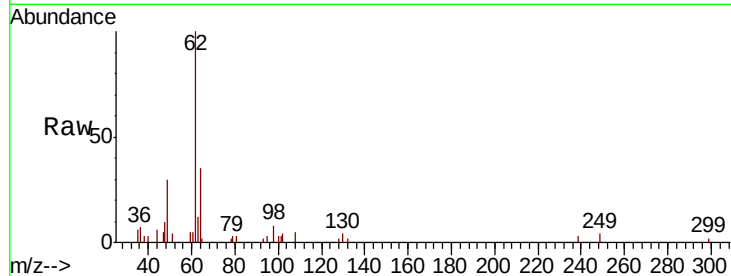
50 23.8 14.0 21.0#





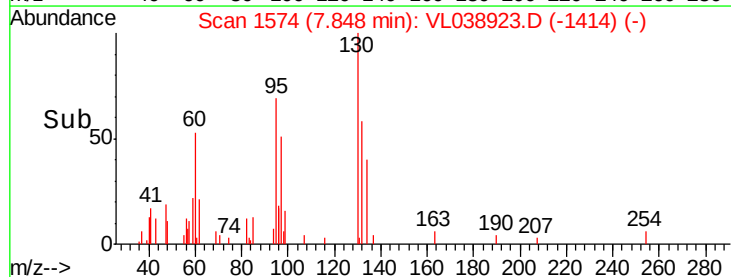
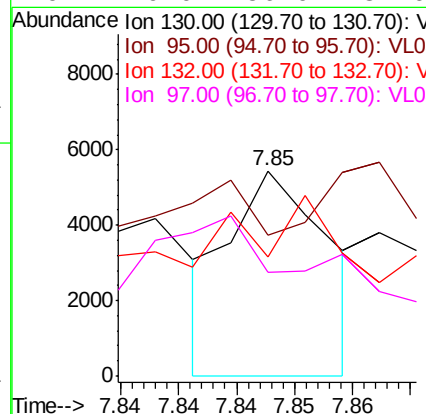
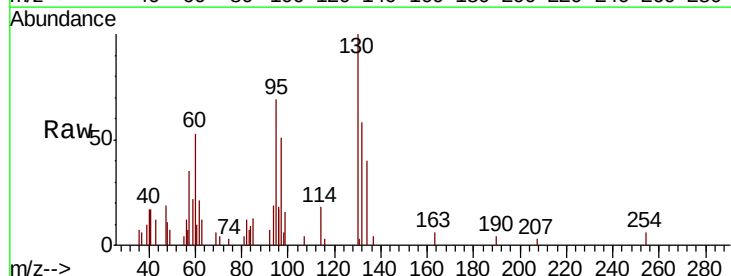
#37
 1,2-Dichloroethane
 Concen: 0.066 ppbv
 RT: 6.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampled :
 MDL 0.1 NAPHT.
 Acq: 14 Apr 2022 18:08

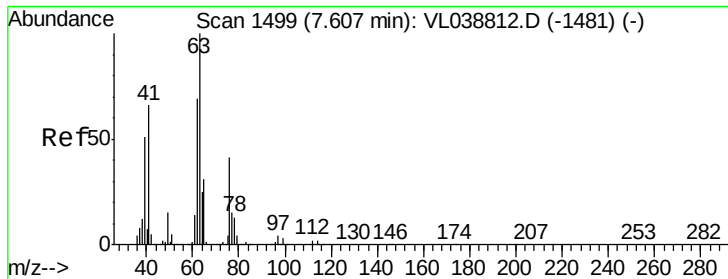
Tot Ion: 62 Resp: 7148
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.9 8.9#



#38
 Trichloroethene
 Concen: 0.033 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.02 min
 Lab File: VL038923.D
 Acq: 14 Apr 2022 18:08

Tgt Ion: 130 Resp: 3191
 Ion Ratio Lower Upper
 130 100
 95 0.0 89.4 134.0#
 132 10.7 77.7 116.5#
 97 0.0 56.0 84.0#





#39

1,2-Dichloropropane

Concen: 0.087 ppbv

RT: 7.25 Instrument: MSVOA_1

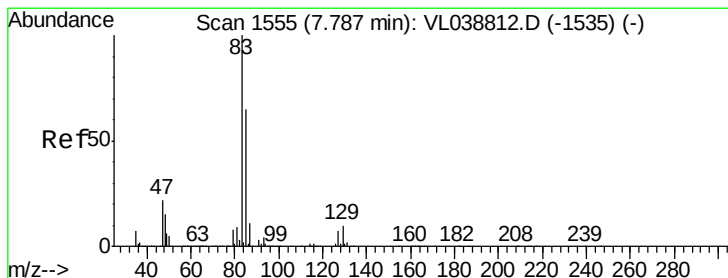
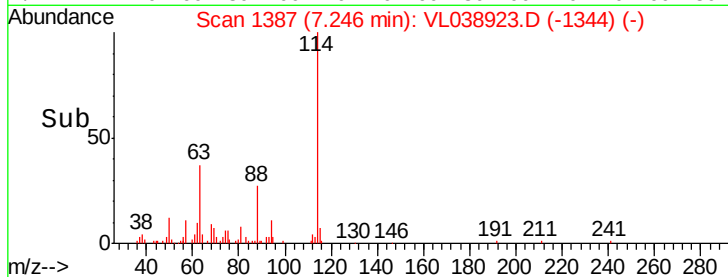
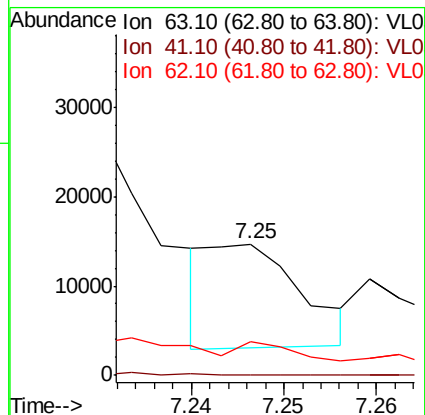
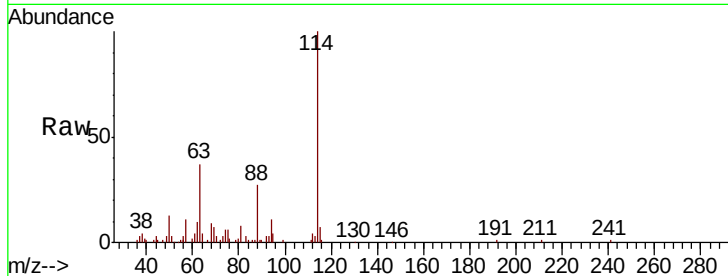
Delta R.T.

Lab File: ClientSampleId:

Acq: 14 Apr 2022 18:08 MDL 0.1 NAPHT.

Tot Ion: 63 Resp: 7931

Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.0	79.6#
62	30.8	55.0	82.4#



#42

Bromodichloromethane

Concen: 0.045 ppbv

RT: 7.80 min Scan# 1559

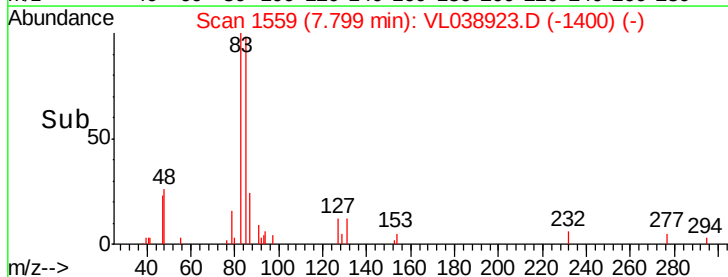
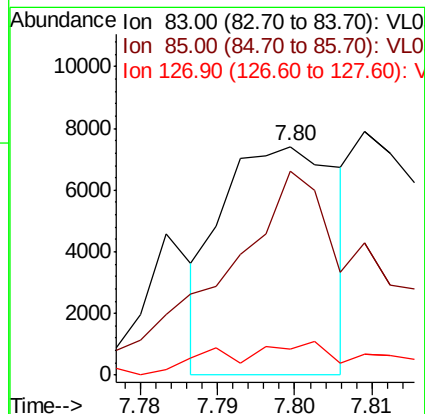
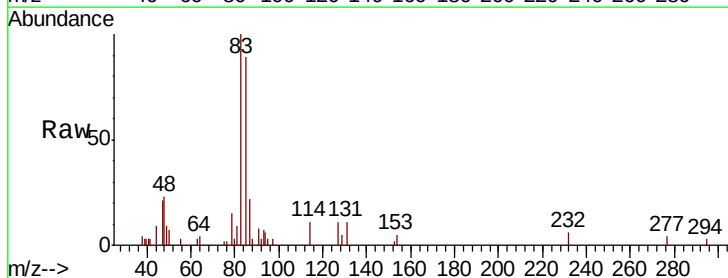
Delta R.T. 0.01 min

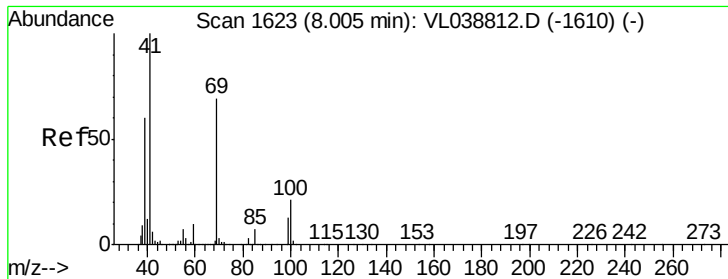
Lab File: VL038923.D

Acq: 14 Apr 2022 18:08

Tgt Ion: 83 Resp: 7714

Ion	Ratio	Lower	Upper
83	100		
85	105.0	51.7	77.5#
127	11.9	5.9	8.9#





#43

Methyl Methacrylate

Concen: 0.031 ppbv

RT: 8.03

Instrument: MSVOA_1

Delta R.T.

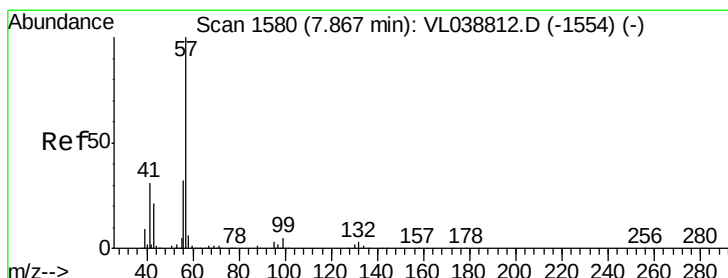
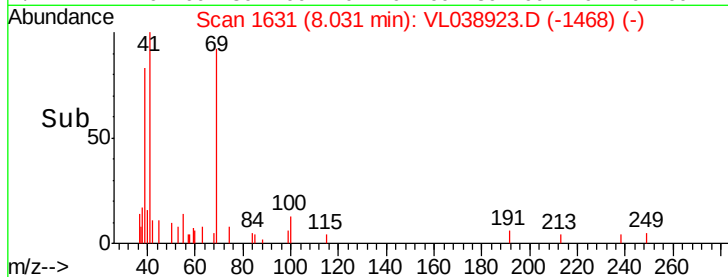
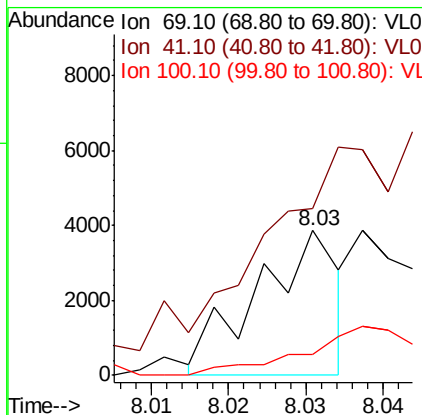
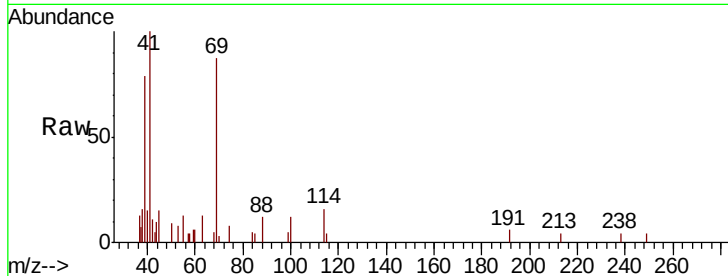
Lab File: ClientSampleId:

MDL 0.1 NAPHT.

Acq: 14 Apr 2022 18:08

Tot Ion: 69 Resp: 2826

Ion	Ratio	Lower	Upper
69	100		
41	0.0	119.0	178.4#
100	0.0	26.4	39.6#



#44

2,2,4-Trimethylpentane

Concen: 0.054 ppbv

RT: 7.88 min Scan# 1584

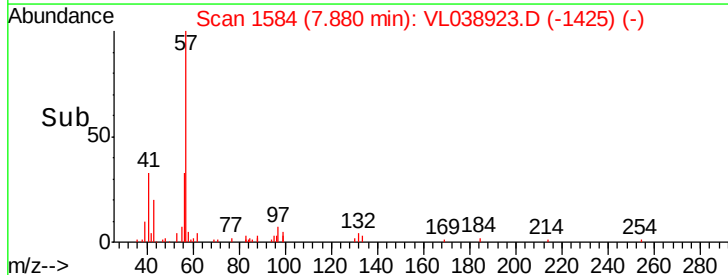
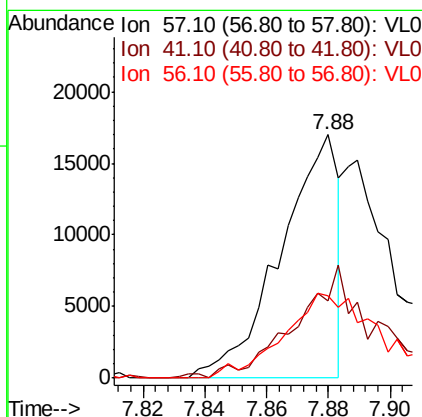
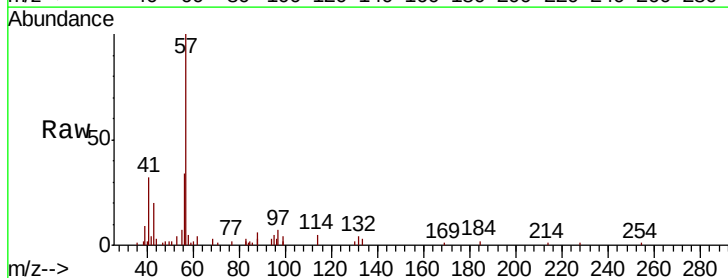
Delta R.T. 0.01 min

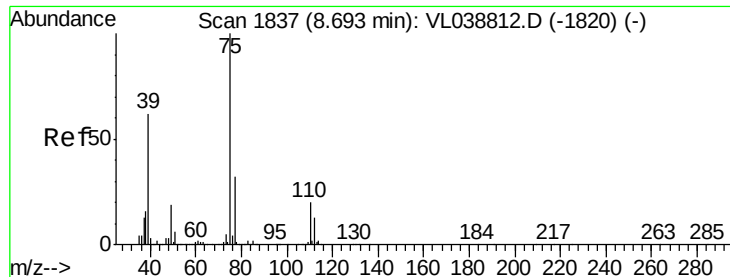
Lab File: VL038923.D

Acq: 14 Apr 2022 18:08

Tgt Ion: 57 Resp: 21951

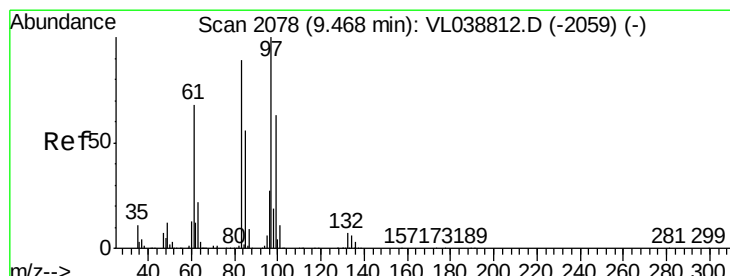
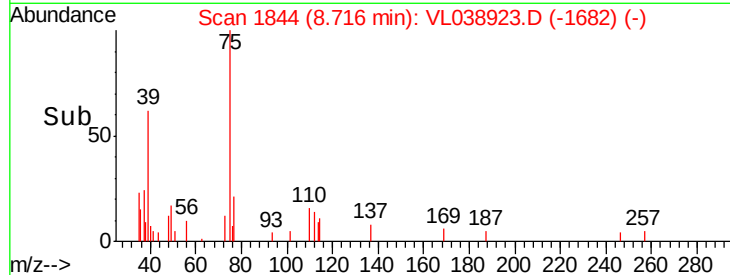
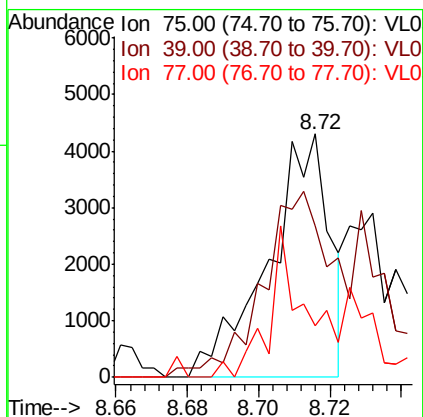
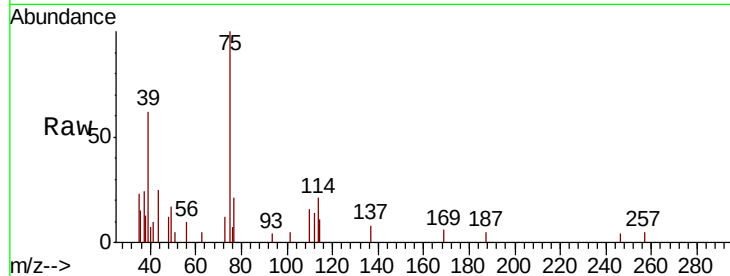
Ion	Ratio	Lower	Upper
57	100		
41	67.1	25.0	37.4#
56	59.4	25.3	37.9#





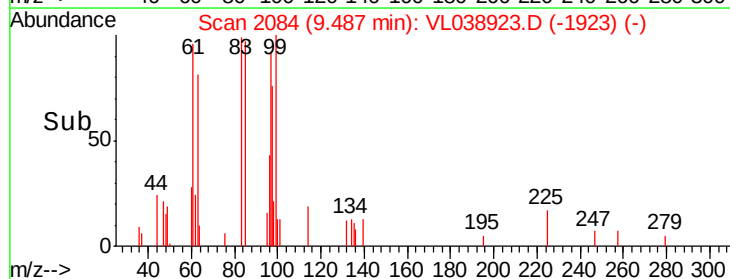
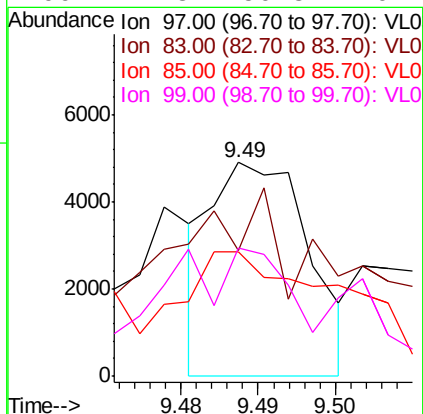
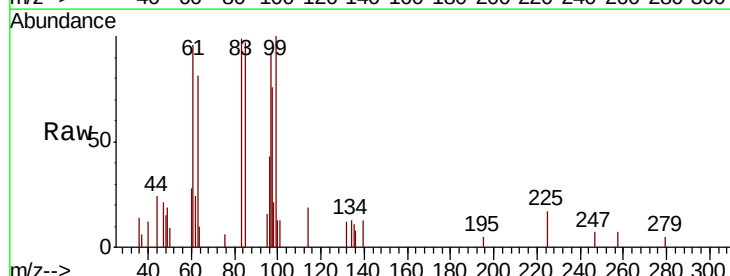
#46
 cis-1,3-Dichloropropene
 Concen: 0.041 ppbv
 RT: 8.72
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 MDL 0.1 NAPHT.
 Acq: 14 Apr 2022 18:08

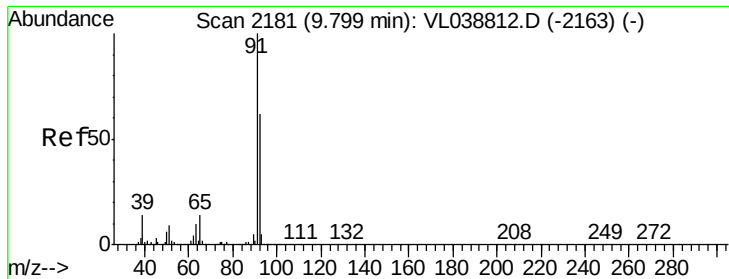
Tot Ion: 75 Resp: 5127
 Ion Ratio Lower Upper
 75 100
 39 58.4 49.7 74.5
 77 21.4 25.6 38.4#



#47
 1,1,2-Trichloroethane
 Concen: 0.046 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. 0.02 min
 Lab File: VL038923.D
 Acq: 14 Apr 2022 18:08

Tgt Ion: 97 Resp: 4309
 Ion Ratio Lower Upper
 97 100
 83 22.9 71.1 106.7#
 85 44.2 45.1 67.7#
 99 44.3 50.8 76.2#





#53

Toluene

Concen: 0.079 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

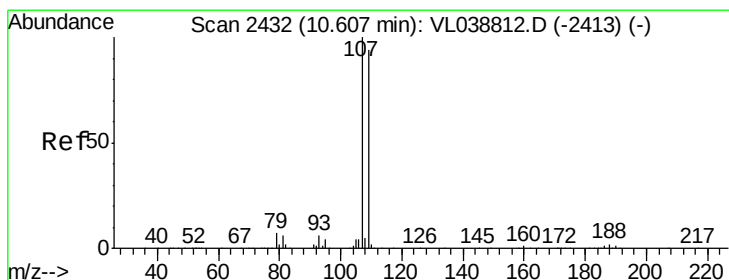
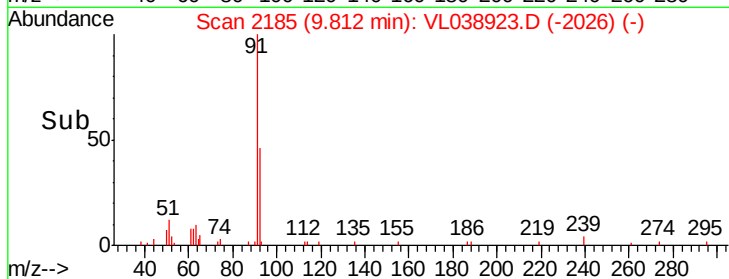
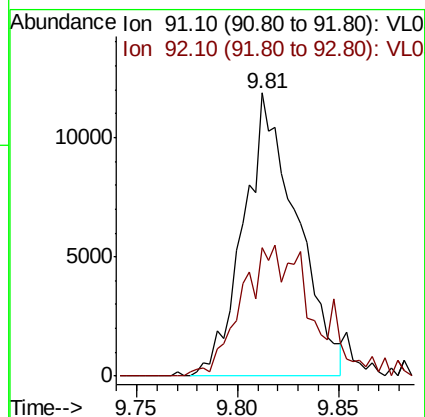
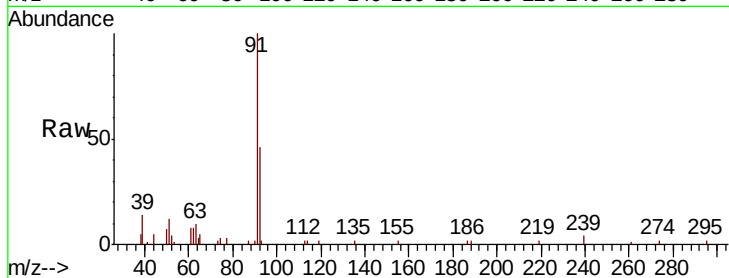
Acq: 14 Apr 2022 18:08 MDL 0.1 NAPHT.

Tot Ion: 91 Resp: 21814

Ion Ratio Lower Upper

91 100

92 63.1 49.2 73.8



#54

1,2-Dibromoethane

Concen: 0.035 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.01 min

Lab File: VL038923.D

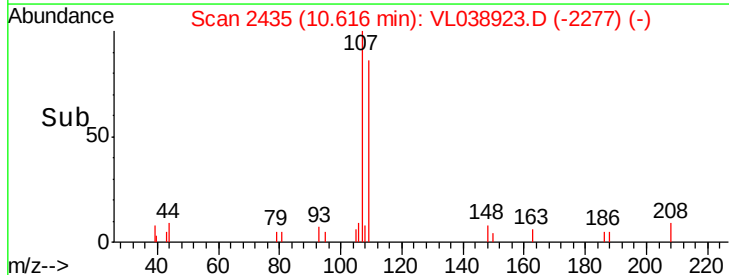
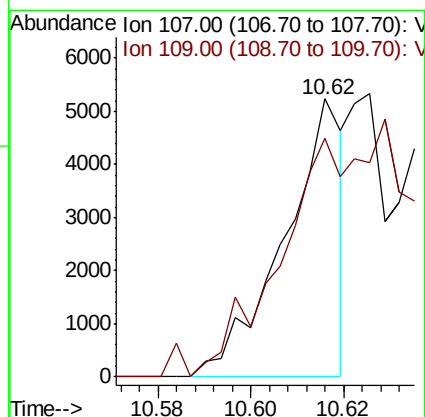
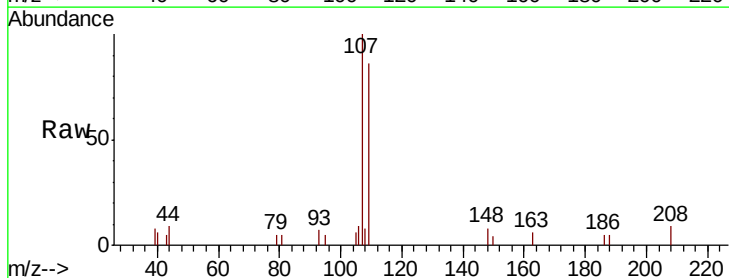
Acq: 14 Apr 2022 18:08

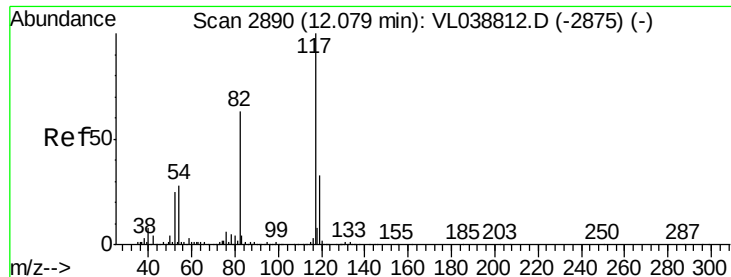
Tgt Ion: 107 Resp: 4567

Ion Ratio Lower Upper

107 100

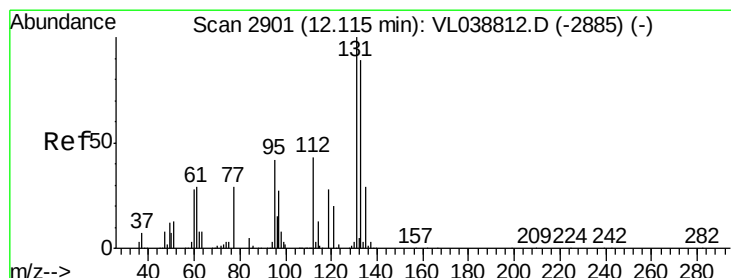
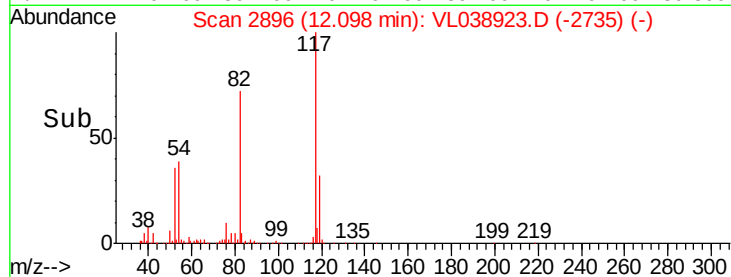
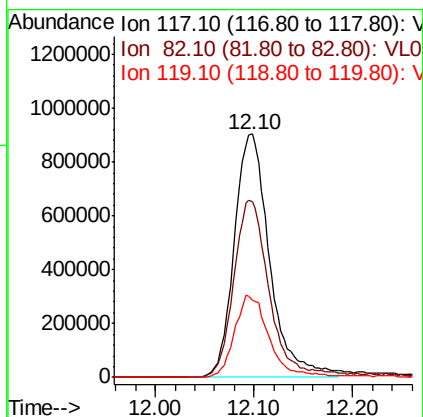
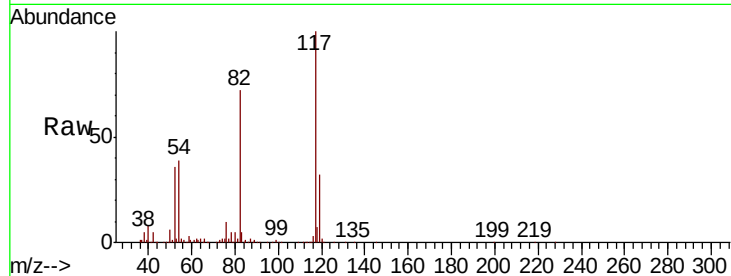
109 79.4 75.5 113.3





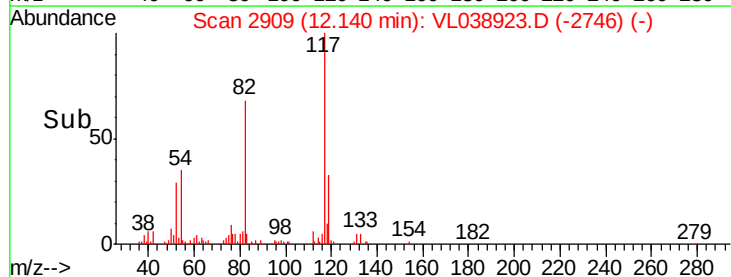
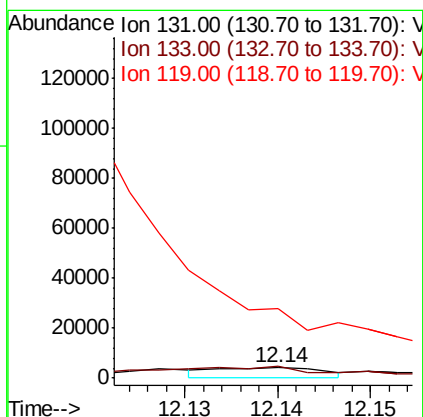
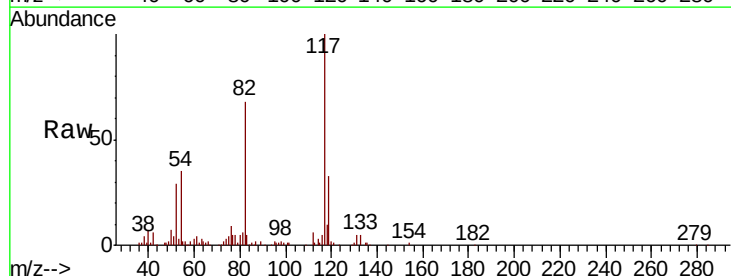
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
MDL 0.1 NAPHT.
Acq: 14 Apr 2022 18:08

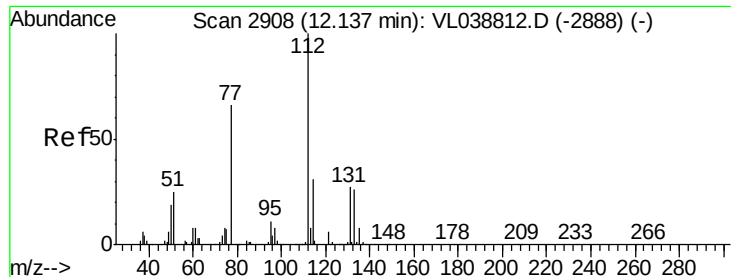
Tot Ion:117 Resp: 2256788
Ion Ratio Lower Upper
117 100
82 75.7 53.0 79.6
119 34.2 24.9 37.3



#56
1,1,1,2-Tetrachloroethane
Concen: 0.035 ppbv
RT: 12.14 min Scan# 2909
Delta R.T.: 0.03 min
Lab File: VL038923.D
Acq: 14 Apr 2022 18:08

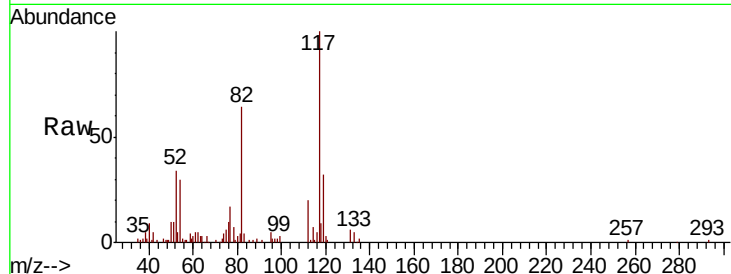
Tgt Ion:131 Resp: 3465
Ion Ratio Lower Upper
131 100
133 269.7 78.2 117.4#
119 0.0 58.6 87.8#



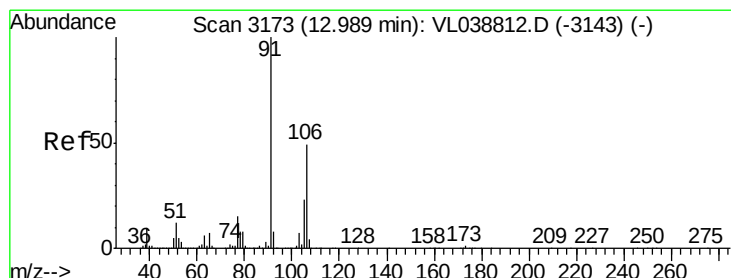
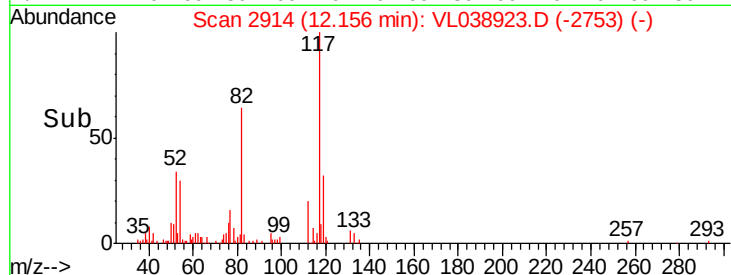
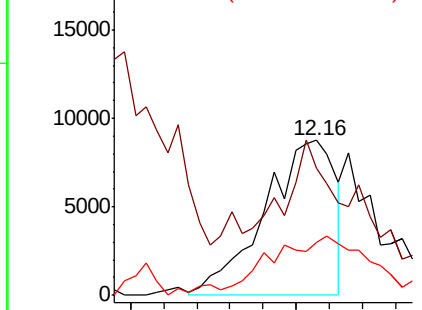


#57
Chlorobenzene
Concen: 0.070 ppbv
RT: 12.16 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
MDL 0.1 NAPHT.
Acq: 14 Apr 2022 18:08

Tot Ion: 112 Resp: 13010
Ion Ratio Lower Upper
112 100
77 22.9 52.4 78.6#
114 32.8 28.1 34.3

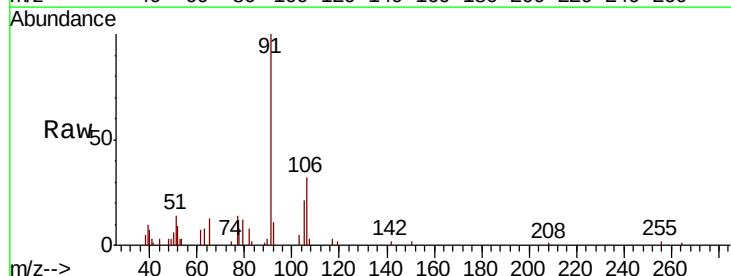


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

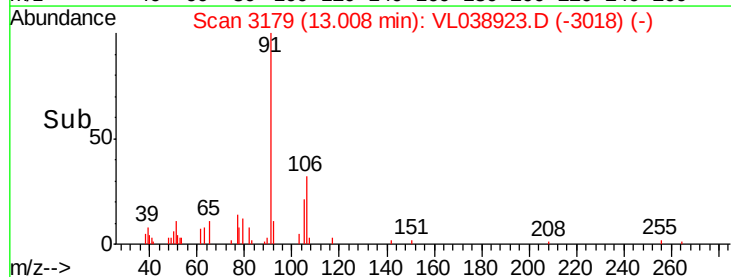
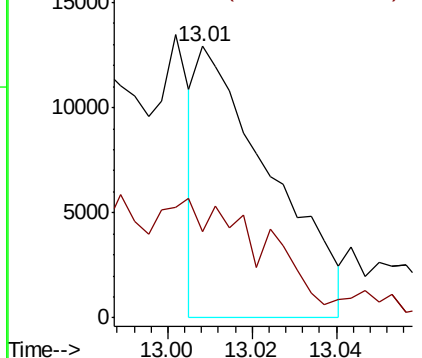


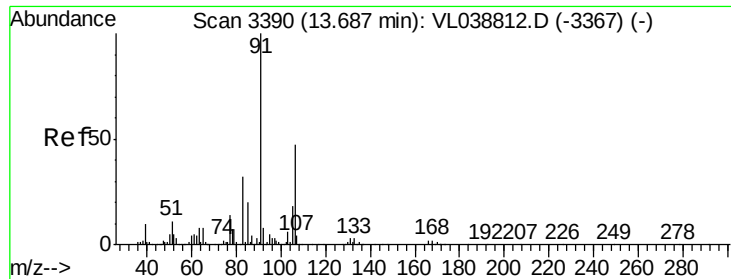
#59
m/p-Xylene
Concen: 0.055 ppbv
RT: 13.01 min Scan# 3179
Delta R.T.: 0.02 min
Lab File: VL038923.D
Acq: 14 Apr 2022 18:08

Tgt Ion: 91 Resp: 15659
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7#



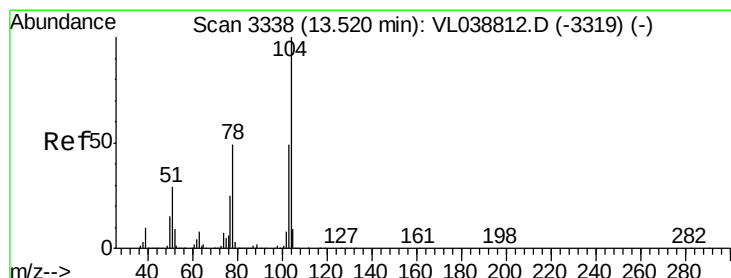
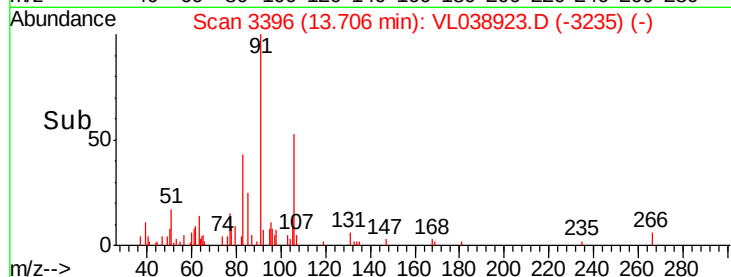
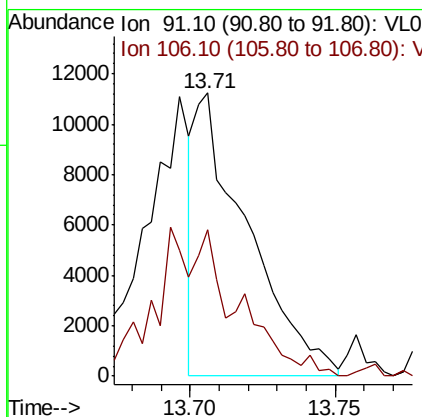
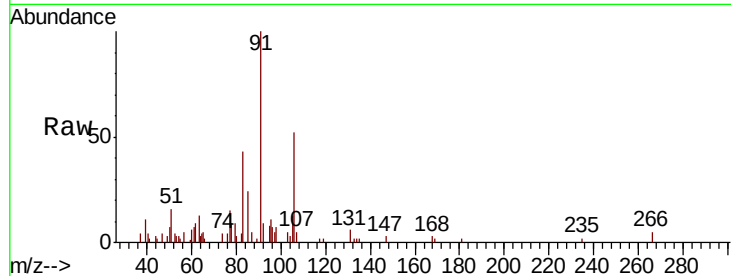
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





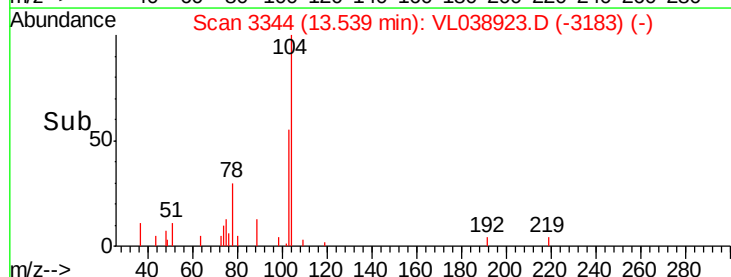
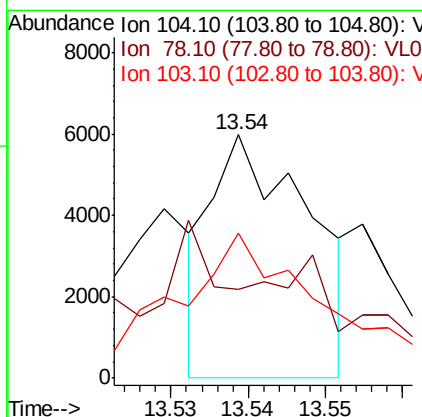
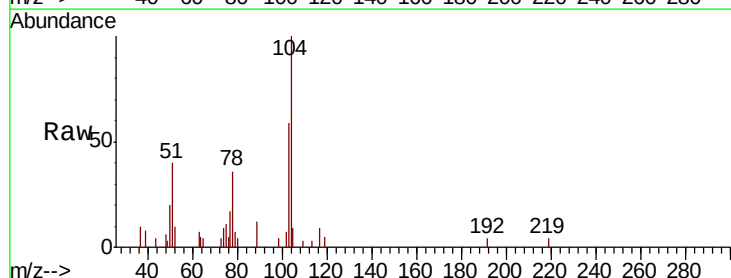
#60
o-Xylene
Concen: 0.053 ppbv
RT: 13.71
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 14 Apr 2022 18:08

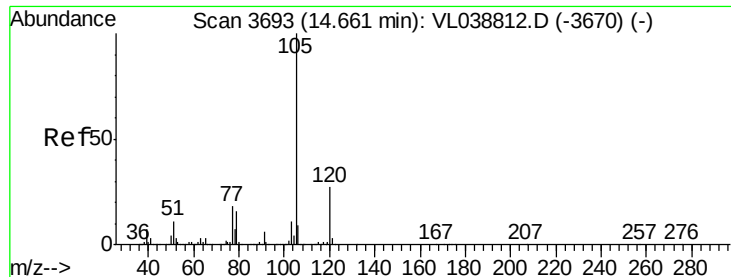
Tot Ion: 91 Resp: 14108
Ion Ratio Lower Upper
91 100
106 0.0 23.8 71.4#



#61
Styrene
Concen: 0.033 ppbv
RT: 13.54 min Scan# 3344
Delta R.T. 0.02 min
Lab File: VL038923.D
Acq: 14 Apr 2022 18:08

Tgt Ion: 104 Resp: 5255
Ion Ratio Lower Upper
104 100
78 0.0 40.5 60.7#
103 116.5 39.0 58.4#





#62

Isopropylbenzene

Concen: 0.044 ppbv

RT: 14.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

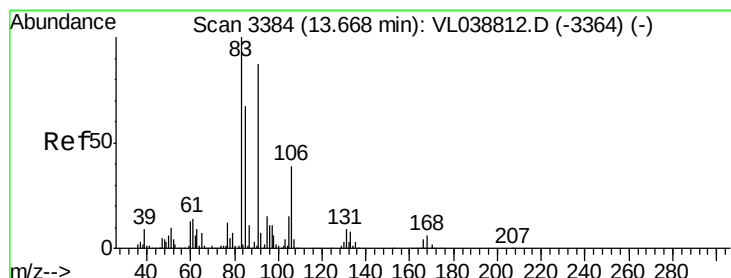
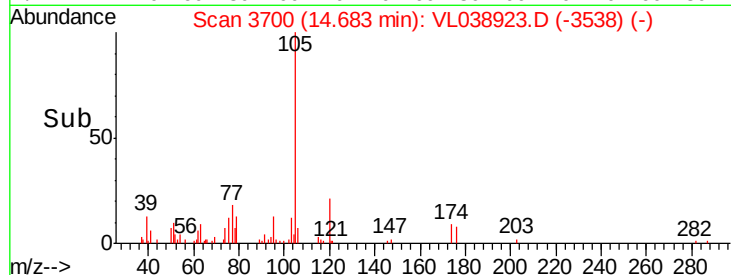
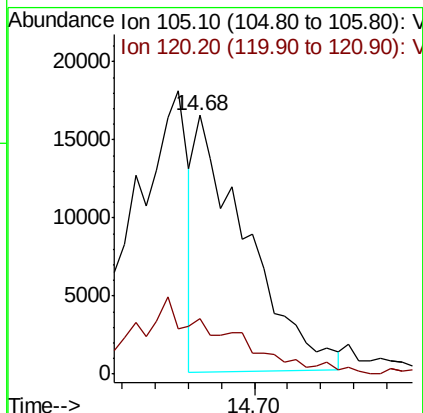
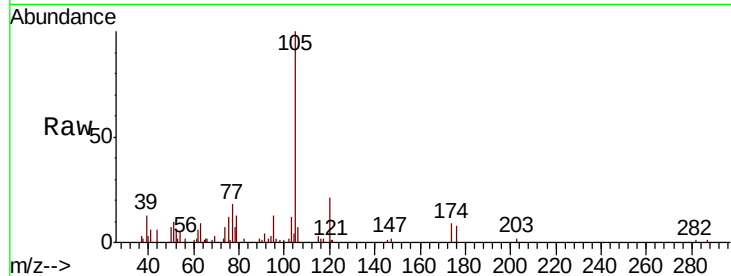
Acq: 14 Apr 2022 18:08

Tot Ion: 105 Resp: 17695

Ion Ratio Lower Upper

105 100

120 0.0 21.8 32.8#



#63

1,1,2,2-Tetrachloroethane

Concen: 0.034 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. 0.02 min

Lab File: VL038923.D

Acq: 14 Apr 2022 18:08

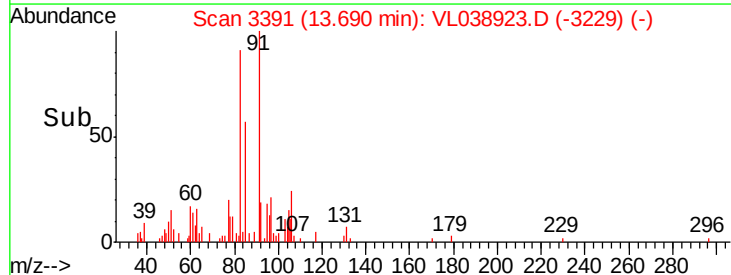
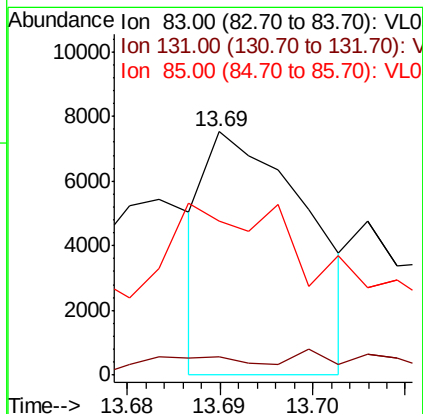
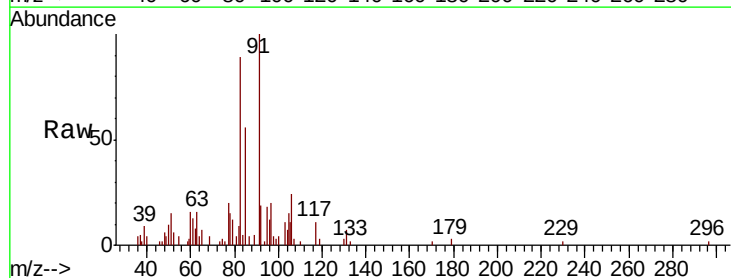
Tgt Ion: 83 Resp: 5709

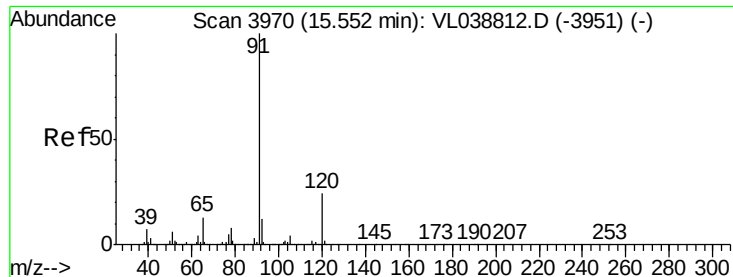
Ion Ratio Lower Upper

83 100

131 0.0 4.6 13.8#

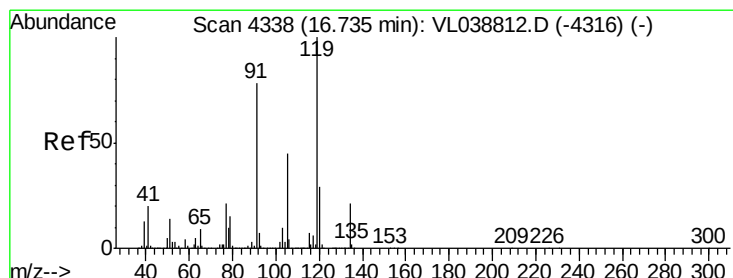
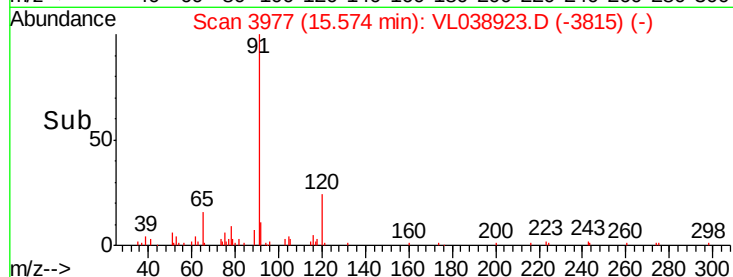
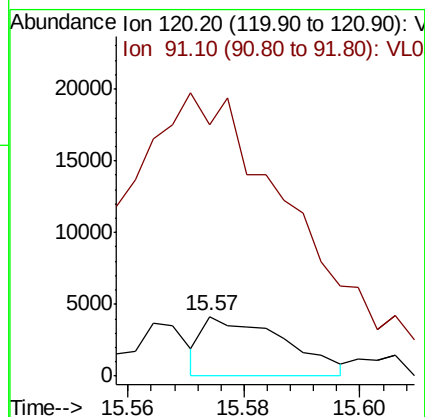
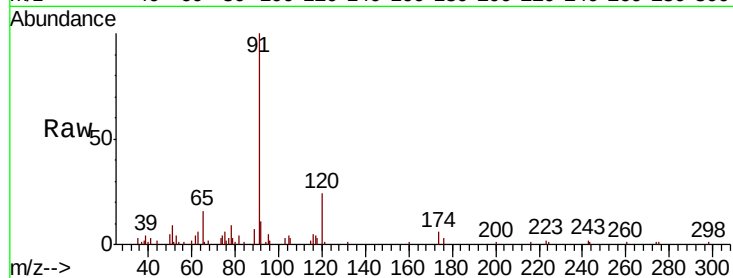
85 222.5 33.0 99.0#





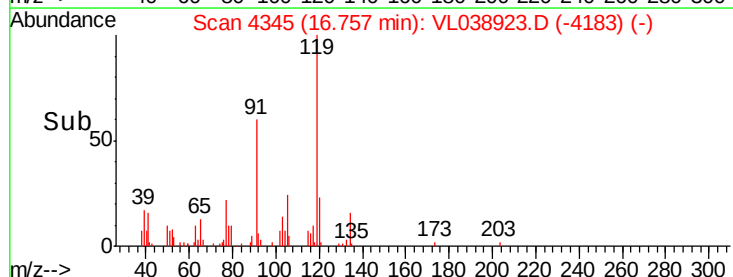
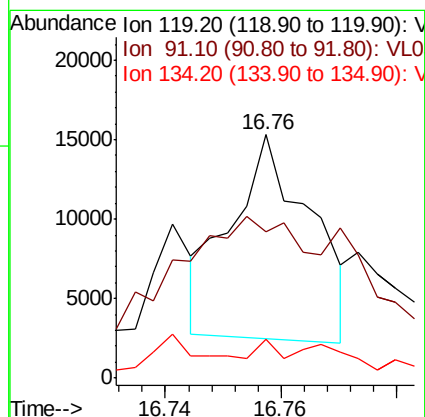
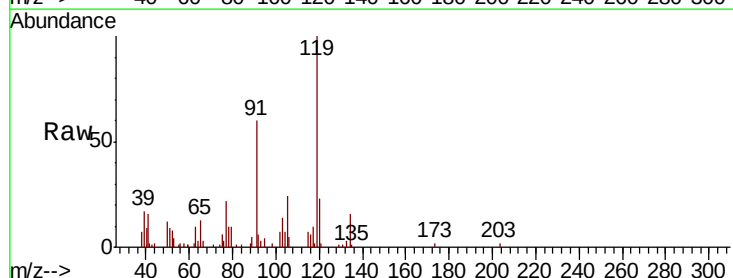
#64
n-propylbenzene
Concen: 0.039 ppbv
RT: 15.57 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 14 Apr 2022 18:08

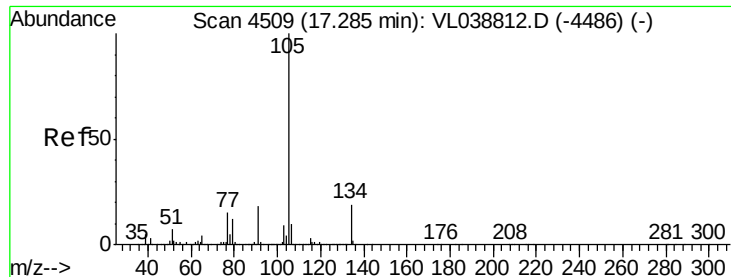
Tot Ion:120 Resp: 4044
Ion Ratio Lower Upper
120 100
91 1257.3 360.6 540.8#



#65
tert-Butylbenzene
Concen: 0.035 ppbv
RT: 16.76 min Scan# 4345
Delta R.T. 0.02 min
Lab File: VL038923.D
Acq: 14 Apr 2022 18:08

Tgt Ion:119 Resp: 12298
Ion Ratio Lower Upper
119 100
91 246.9 62.8 94.2#
134 0.0 16.2 24.4#





#67

sec-Butylbenzene

Concen: 0.035 ppbv

RT: 17.31

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

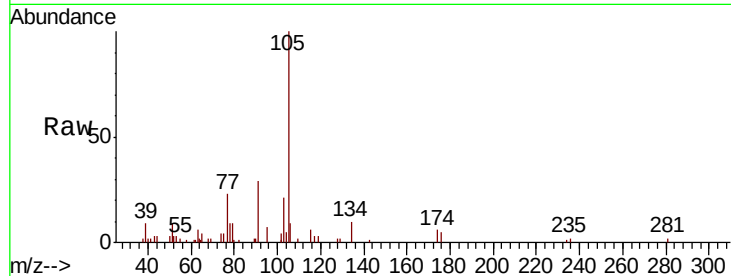
Acq: 14 Apr 2022 18:08

Tot Ion: 105 Resp: 17345

Ion Ratio Lower Upper

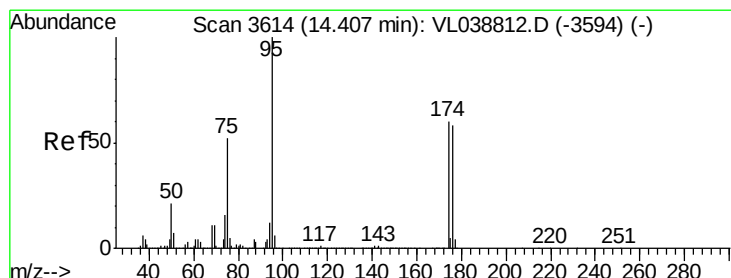
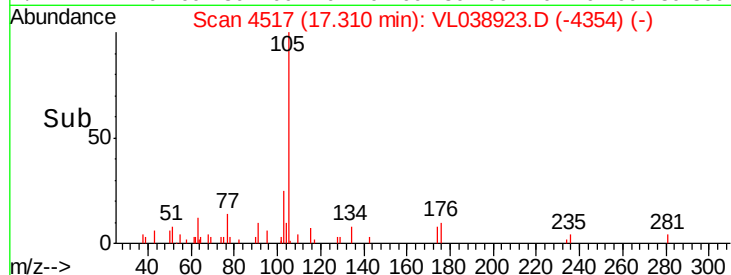
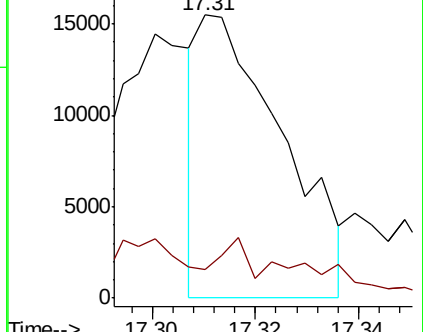
105 100

134 48.7 15.1 22.7#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.916 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.02 min

Lab File: VL038923.D

Acq: 14 Apr 2022 18:08

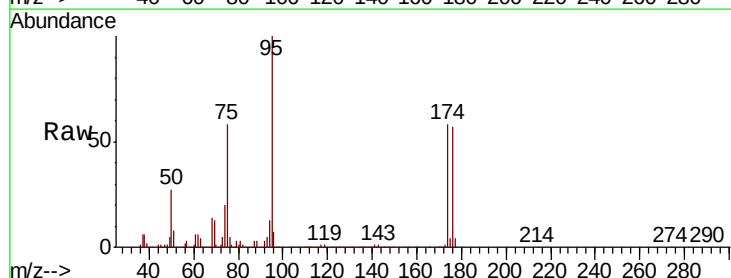
Tgt Ion: 95 Resp: 1868573

Ion Ratio Lower Upper

95 100

174 64.1 52.0 78.0

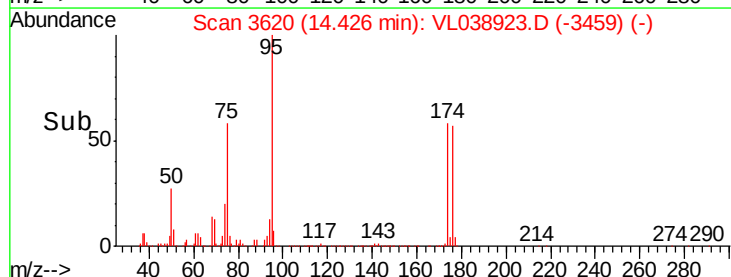
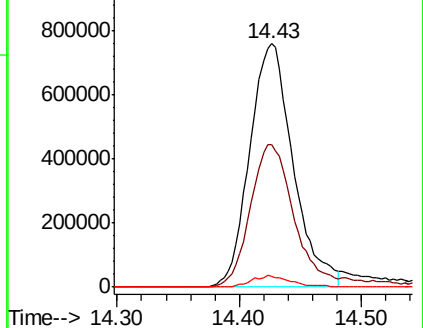
175 4.6 4.0 6.0

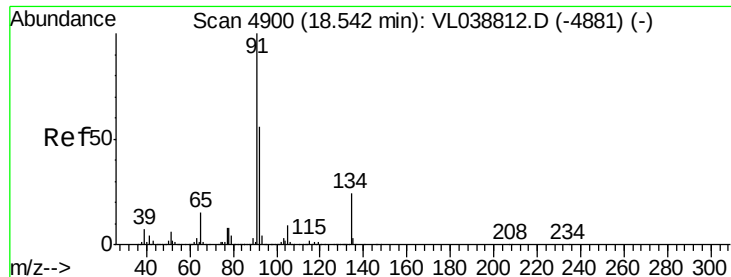


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

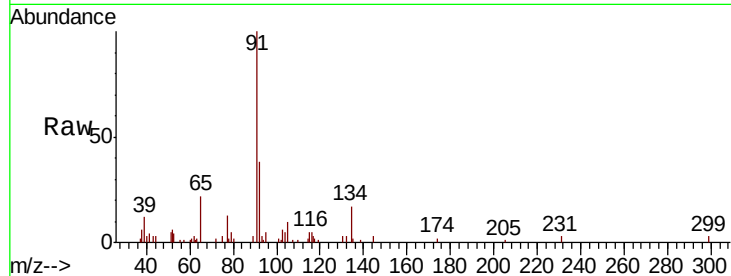
Ion 175.00 (174.70 to 175.70): V





#70
 n-Butylbenzene
 Concen: 0.059 ppbv
 RT: 18.56
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 MDL 0.1 NAPHT.
 Acq: 14 Apr 2022 18:08

Tot Ion:	91	Resp:	24209
Ion	Ratio	Lower	Upper
91	100		
92	80.1	44.6	66.8#
134	29.3	19.2	28.8#



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V

