

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031422\
 Data File : VL038602.D
 Acq On : 14 Mar 2022 18:52
 Operator : SY/AP
 Sample : N1645-13 0.4 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2022

Quant Time: Mar 15 01:40:44 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	797349	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.15	114	2000599	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.05	117	1779622	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	1349393	9.97	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	58939	0.49	ppbv	97
3) Chlorodifluoromethane	2.98	51	62891	0.45	ppbv	97
4) Chloromethane	3.13	50	24628	0.47	ppbv	99
5) Vinyl Chloride	3.25	62	21556	0.41	ppbv	99
6) Bromomethane	3.46	94	11955	0.43	ppbv	93
7) Chloroethane	3.55	64	7504	0.44	ppbv #	87
8) Dichlorotetrafluoroethane	3.18	85	58104	0.50	ppbv	99
9) Propene	3.00	41	21916	0.44	ppbv	97
10) Heptane	8.09	43	20763	0.17	ppbv #	15
11) Trichlorofluoromethane	3.93	101	48803	0.46	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	38788	0.47	ppbv	99
13) Ethanol	3.60	45	523	0.09	ppbv #	34
14) Bromoethene	3.73	108	14563	0.42	ppbv #	89
15) Acetone	3.85	43	24293	0.43	ppbv #	86
16) 1,3-Butadiene	3.31	39	18786	0.42	ppbv	96
18) 1,1-Dichloroethene	4.28	96	15679	0.43	ppbv #	89
19) Isopropyl Alcohol	3.97	45	6857	0.18	ppbv #	50
20) Methylene Chloride	4.33	84	16468	0.49	ppbv #	84
21) Allyl Chloride	4.39	41	21467	0.40	ppbv #	86
22) trans-1,2-Dichloroethene	4.86	96	15512	0.40	ppbv #	81
23) Vinyl Acetate	5.06	43	16809	0.21	ppbv #	89
24) 1,1-Dichloroethane	4.99	63	33304	0.45	ppbv	96
25) Ethyl Acetate	5.67	43	73543	0.39	ppbv	98
26) Hexane	5.66	57	32640	0.37	ppbv #	77
27) Carbon Disulfide	4.53	76	32814	0.37	ppbv #	87
28) Methyl tert-Butyl Ether	5.02	73	12296	0.17	ppbv #	52
29) Chloroform	5.73	83	61989	0.45	ppbv	96
30) Cyclohexane	7.11	84	20941	0.27	ppbv #	86
31) cis-1,2-Dichloroethene	5.52	61	30968	0.36	ppbv	95
32) 1,1,1-Trichloroethane	6.48	97	56243	0.42	ppbv	96
34) 2-Butanone	5.24	43	20910	0.40	ppbv	96
35) Carbon Tetrachloride	6.99	117	59304	0.43	ppbv	97
36) Benzene	6.86	78	67886	0.38	ppbv	99
37) 1,2-Dichloroethane	6.29	62	35371	0.41	ppbv	99
38) Trichloroethene	7.81	130	28047	0.39	ppbv	88
39) 1,2-Dichloropropane	7.59	63	29788	0.43	ppbv #	88
42) Bromodichloromethane	7.76	83	58526	0.43	ppbv #	92
43) Methyl Methacrylate	7.99	69	8969	0.14	ppbv #	1
44) 2,2,4-Trimethylpentane	7.84	57	119138	0.39	ppbv #	93
45) t-1,3-Dichloropropene	9.25	75	5258	0.12	ppbv	90
46) cis-1,3-Dichloropropene	8.67	75	18308	0.30	ppbv	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

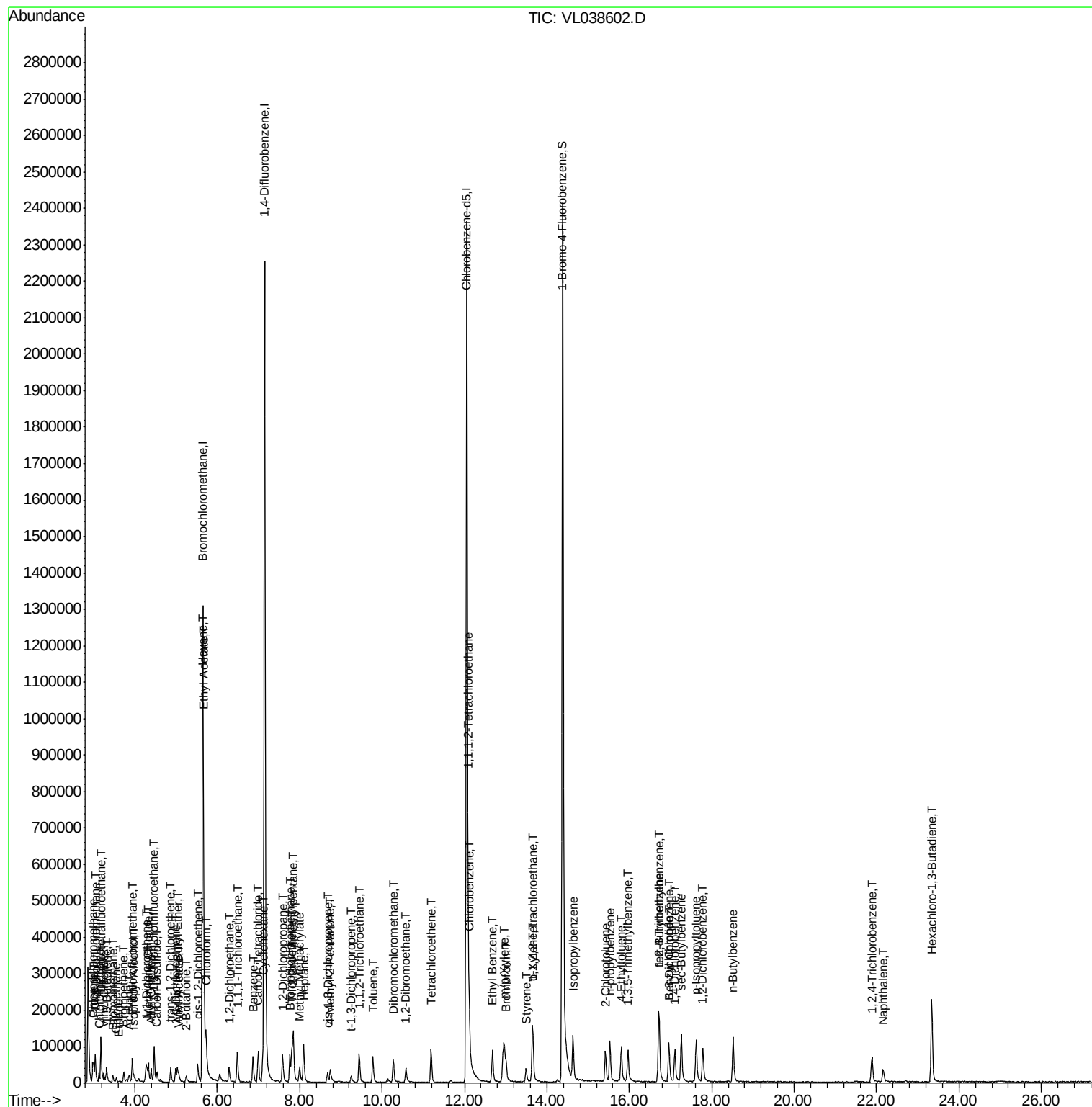
47) 1,1,2-Trichloroethane	9.45	97	30983	0.44	ppbv	92
48) Dibromochloromethane	10.28	129	23171	0.21	ppbv #	10
49) Bromoform	13.01	173	32635	0.38	ppbv	97
50) 4-Methyl-2-Pentanone	8.74	43	31441	0.30	ppbv	94
52) Tetrachloroethene	11.19	164	24718	0.37	ppbv	90
53) Toluene	9.77	91	58878	0.31	ppbv	97
54) 1,2-Dibromoethane	10.58	107	19678	0.19	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.09	131	36980	0.51	ppbv #	1
57) Chlorobenzene	12.11	112	65027	0.48	ppbv #	84
58) Ethyl Benzene	12.68	91	76690	0.33	ppbv	97
59) m/p-Xylene	12.96	91	75947	0.39	ppbv #	40
60) o-Xylene	13.66	91	66913	0.36	ppbv	98
61) Styrene	13.49	104	23683	0.26	ppbv	95
62) Isopropylbenzene	14.64	105	103101	0.40	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.64	83	67611	0.43	ppbv	96
64) n-propylbenzene	15.53	120	13581	0.21	ppbv #	1
65) tert-Butylbenzene	16.72	119	85619	0.37	ppbv	90
66) Benzyl Chloride	16.95	91	1496	0.11	ppbv #	87
67) sec-Butylbenzene	17.26	105	123754	0.38	ppbv	99
69) p-Isopropyltoluene	17.62	119	45713	0.17	ppbv #	49
70) n-Butylbenzene	18.52	91	44136	0.15	ppbv #	32
71) 2-Chlorotoluene	15.42	91	70129	0.37	ppbv	100
72) 4-Ethyltoluene	15.81	105	73029	0.34	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.96	105	65648	0.33	ppbv	96
74) 1,2,4-Trimethylbenzene	16.73	105	79767	0.38	ppbv #	85
75) 1,3-Dichlorobenzene	16.96	146	27127	0.20	ppbv #	19
76) 1,4-Dichlorobenzene	17.10	146	19935	0.15	ppbv #	1
77) 1,2-Dichlorobenzene	17.78	146	25344	0.19	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.34	225	63786	0.48	ppbv	99
79) Naphthalene	22.16	128	25062	0.13	ppbv #	94
81) 1,2,4-Trichlorobenzene	21.89	180	17217	0.14	ppbv #	11

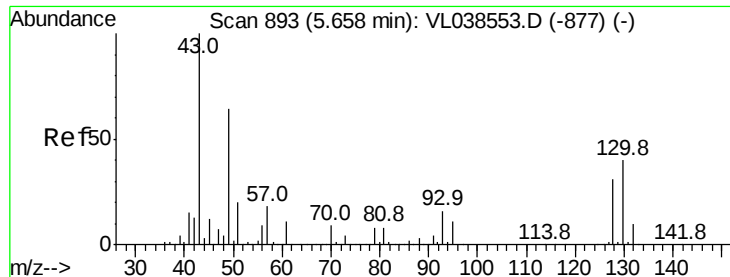
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 18:52

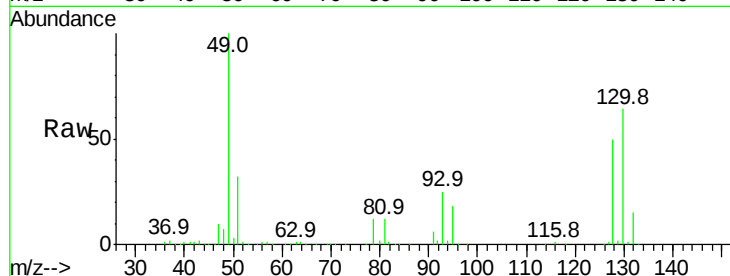
Tgt Ion: 49 Resp: 797349

Ion Ratio Lower Upper

49 100

128 51.3 26.4 79.2

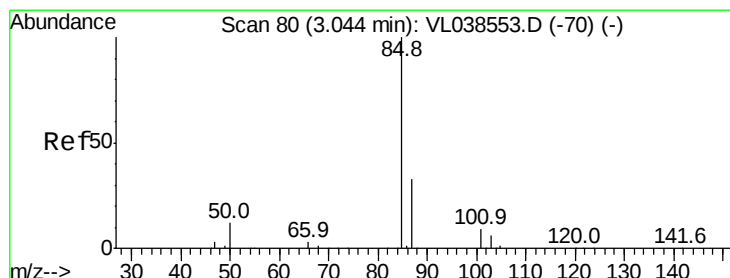
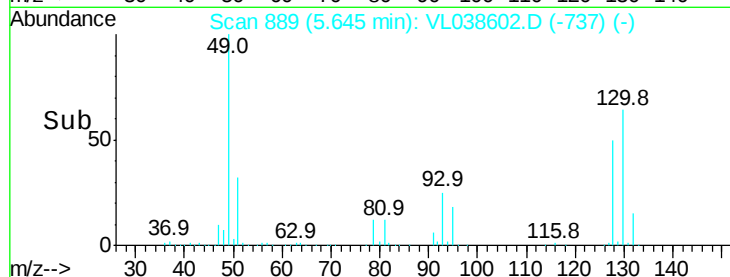
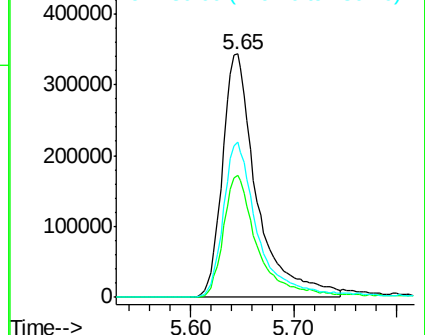
130 66.0 33.0 98.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.49 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL038602.D

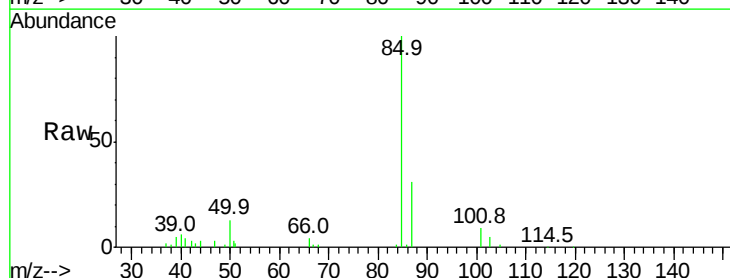
Acq: 14 Mar 2022 18:52

Tgt Ion: 85 Resp: 58939

Ion Ratio Lower Upper

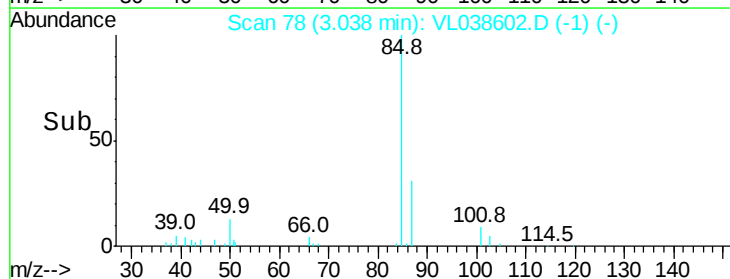
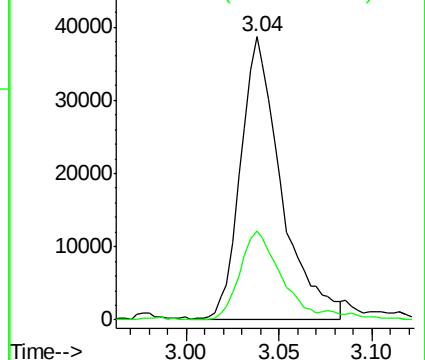
85 100

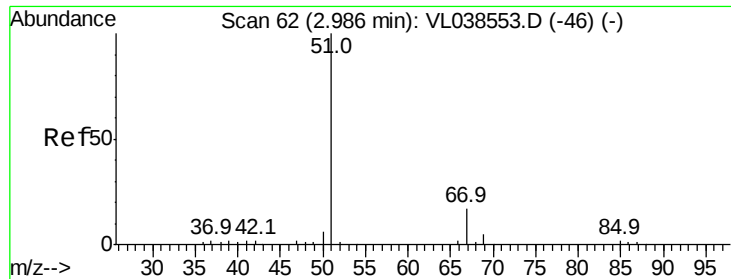
87 31.2 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.45 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: LOD-MDL-AIR-01-QT1-2022

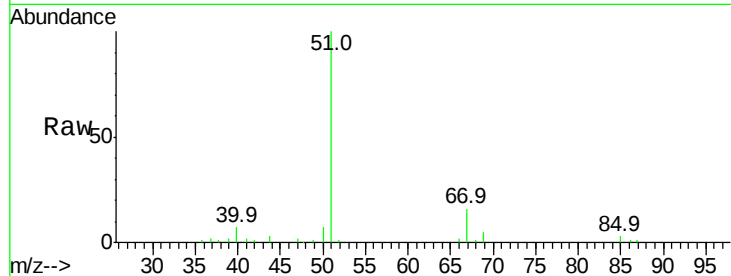
Acq: 14 Mar 2022 18:52

Tgt Ion: 51 Resp: 62891

Ion Ratio Lower Upper

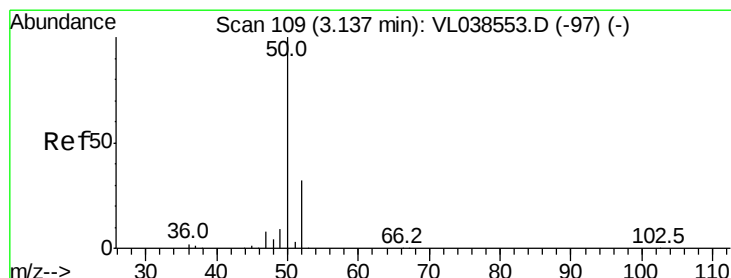
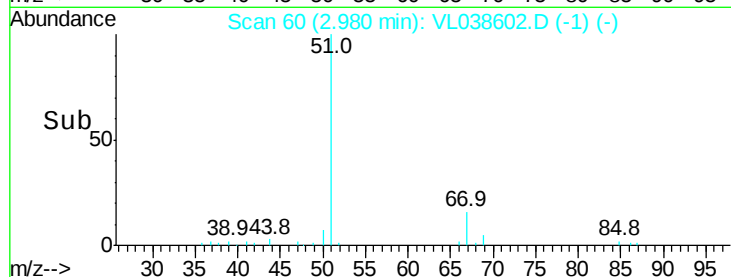
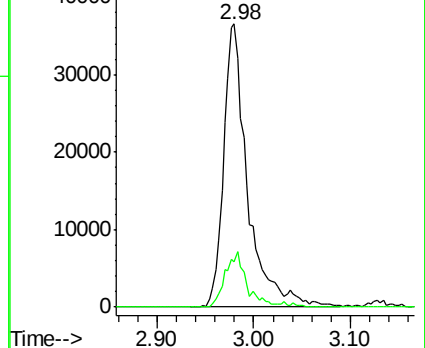
51 100

67 18.3 13.6 20.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.47 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL038602.D

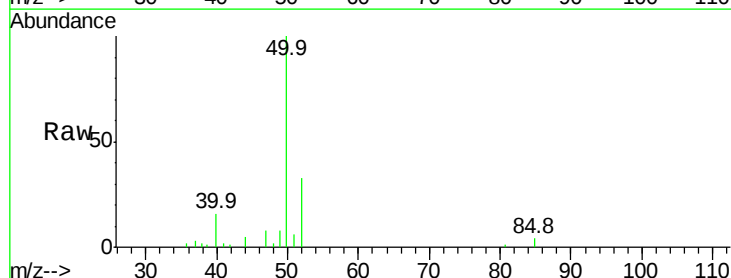
Acq: 14 Mar 2022 18:52

Tgt Ion: 50 Resp: 24628

Ion Ratio Lower Upper

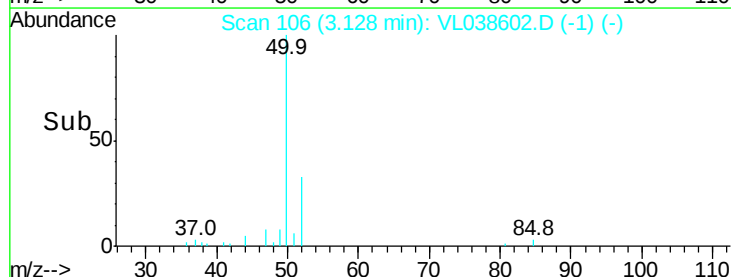
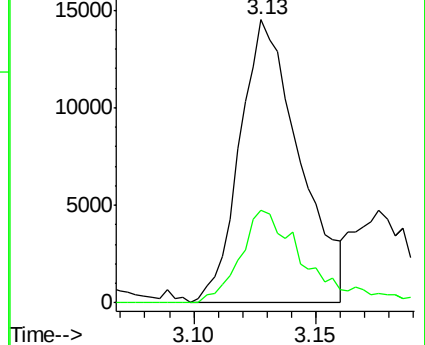
50 100

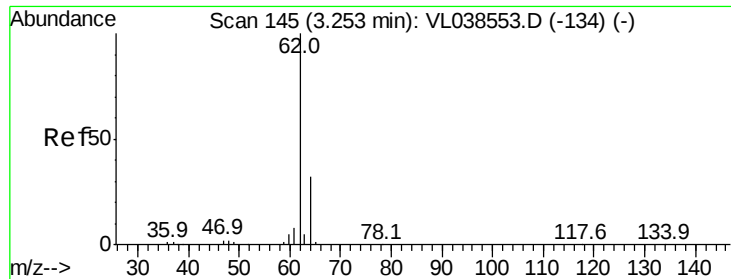
52 32.8 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.41 ppbv

RT: 3.25 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

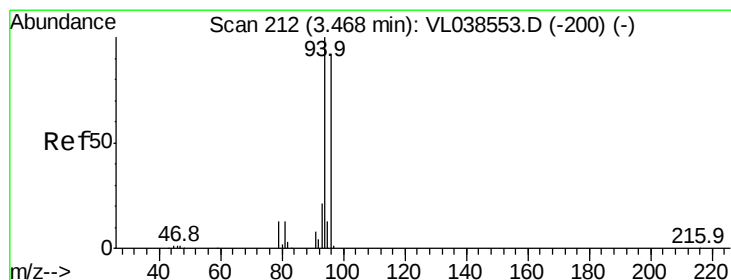
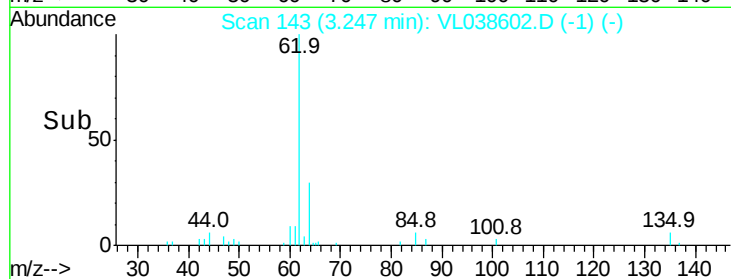
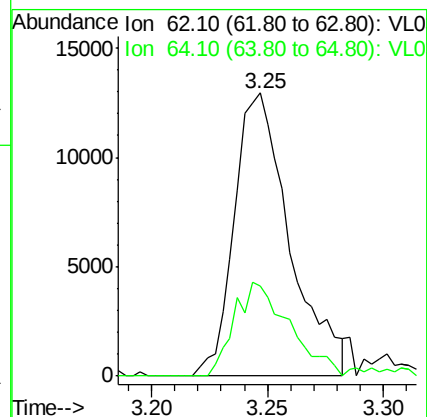
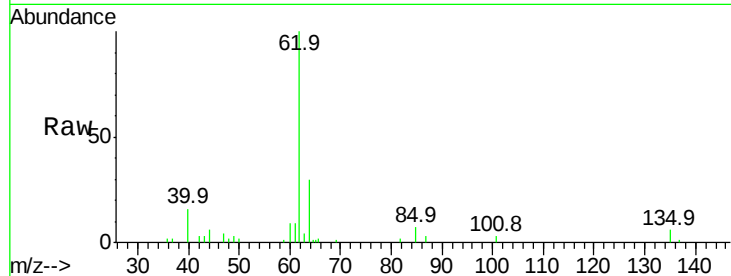
Acq: 14 Mar 2022 18:52 LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 62 Resp: 21556

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.6



#6

Bromomethane

Concen: 0.43 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL038602.D

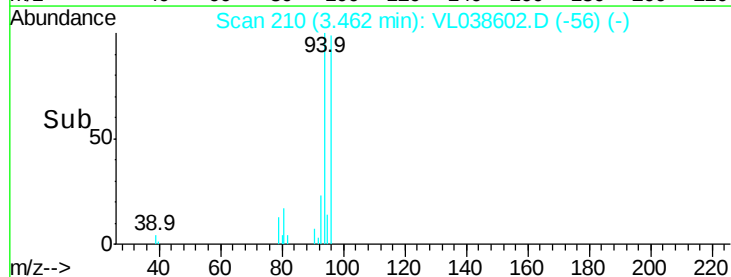
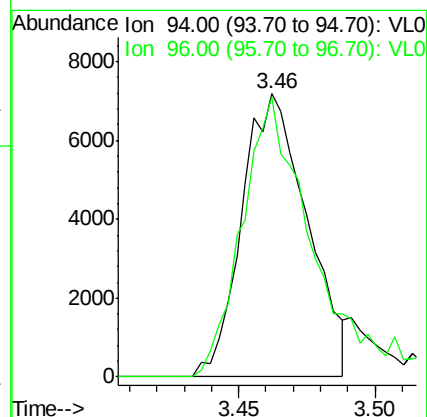
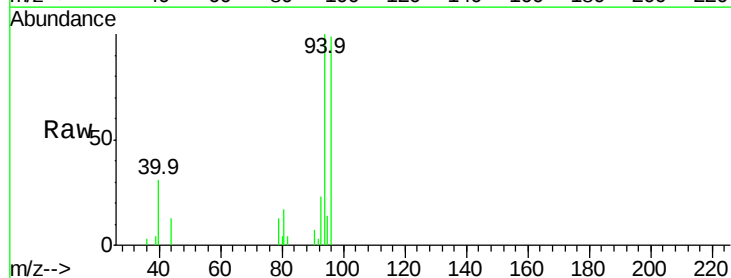
Acq: 14 Mar 2022 18:52

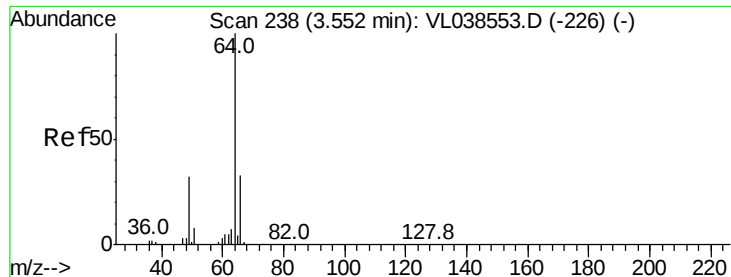
Tgt Ion: 94 Resp: 11955

Ion Ratio Lower Upper

94 100

96 98.9 73.7 110.5





#7

Chloroethane

Concen: 0.44 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

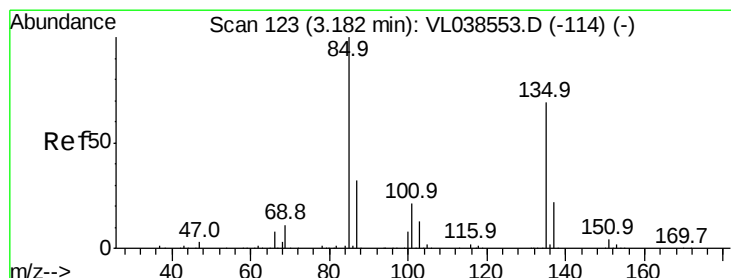
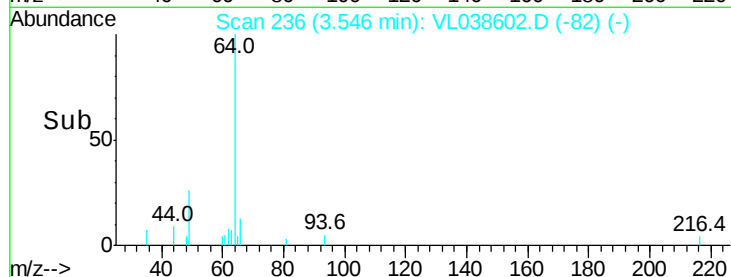
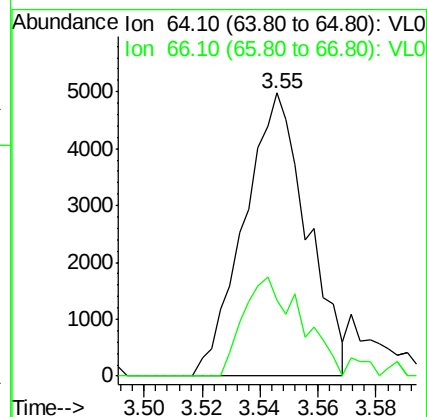
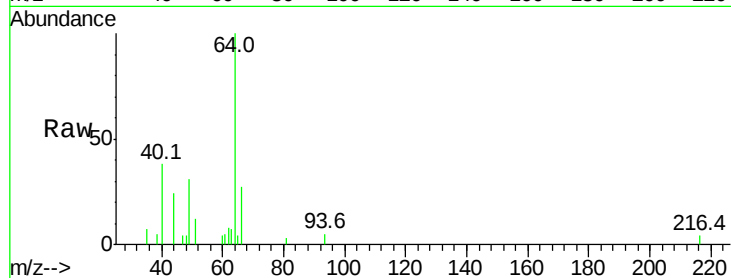
Acq: 14 Mar 2022 18:52 LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 64 Resp: 7504

Ion Ratio Lower Upper

64 100

66 25.9 26.6 39.8#



#8

Dichlorotetrafluoroethane

Concen: 0.50 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL038602.D

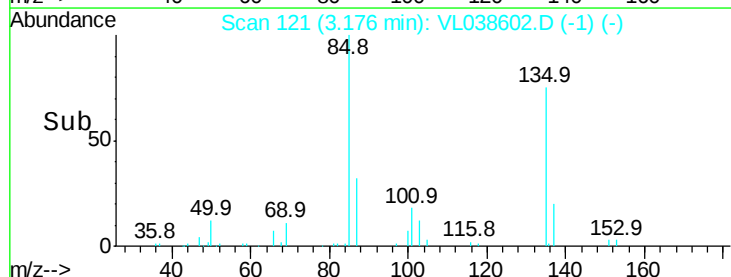
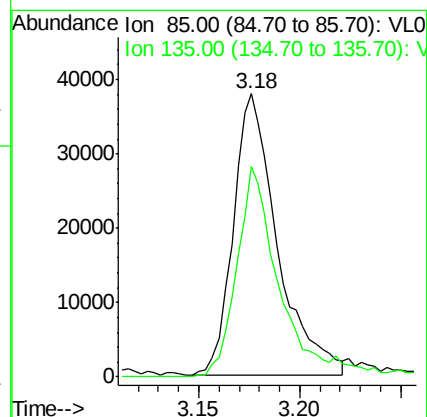
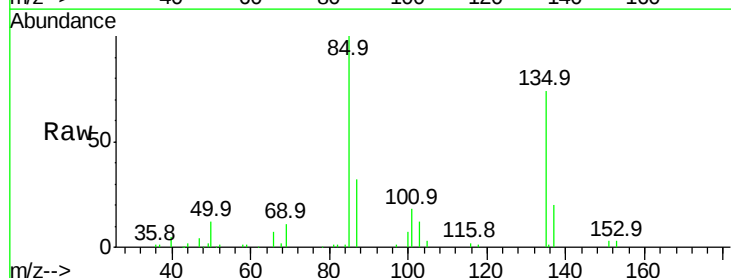
Acq: 14 Mar 2022 18:52

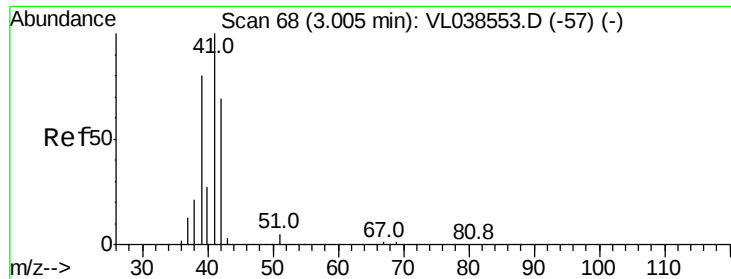
Tgt Ion: 85 Resp: 58104

Ion Ratio Lower Upper

85 100

135 74.4 59.0 88.4





#9

Propene

Concen: 0.44 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

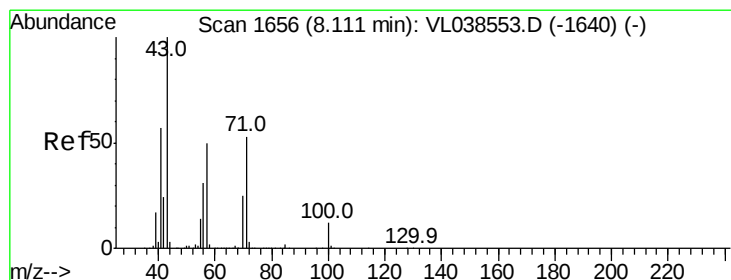
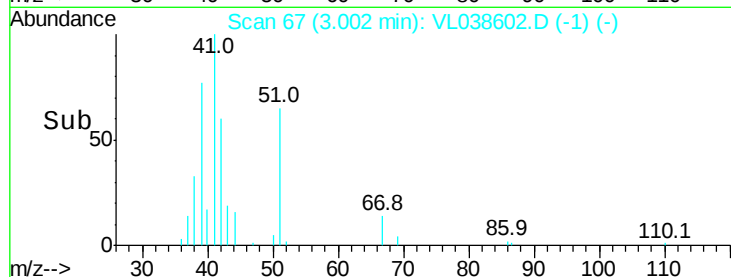
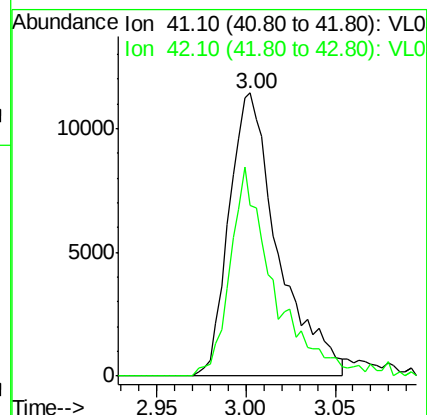
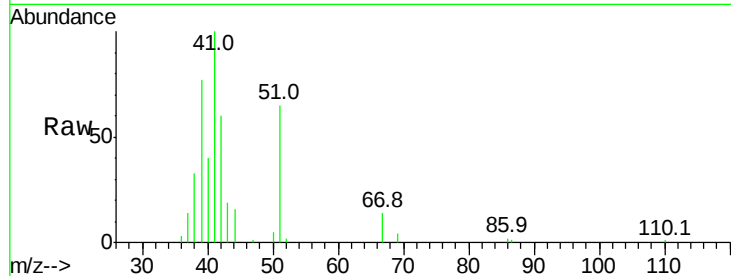
Acq: 14 Mar 2022 18:52 LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 41 Resp: 21916

Ion Ratio Lower Upper

41 100

42 67.4 55.7 83.5



#10

Heptane

Concen: 0.17 ppbv

RT: 8.09 min Scan# 1650

Delta R.T. -0.02 min

Lab File: VL038602.D

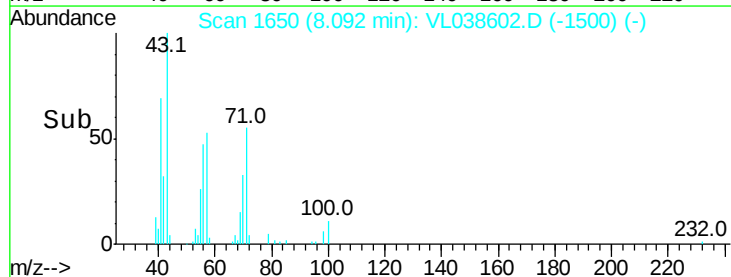
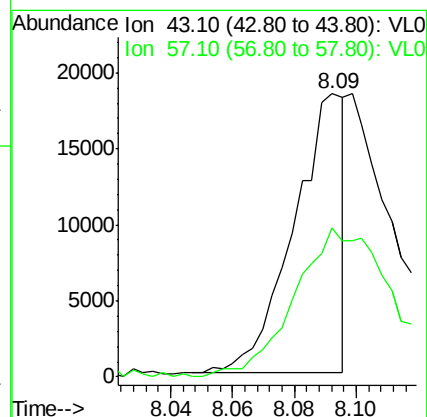
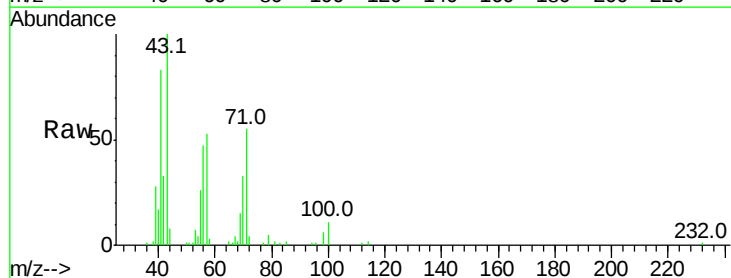
Acq: 14 Mar 2022 18:52

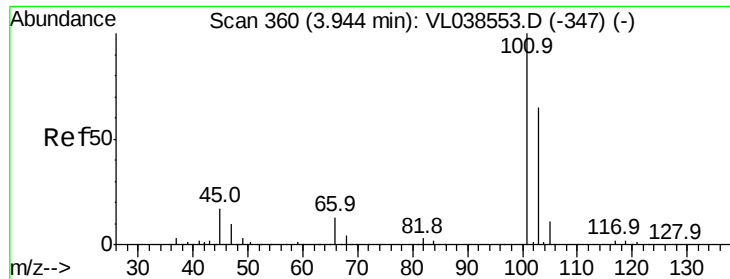
Tgt Ion: 43 Resp: 20763

Ion Ratio Lower Upper

43 100

57 107.7 39.6 59.4#





#11

Trichlorofluoromethane

Concen: 0.46 ppbv

RT: 3.93 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

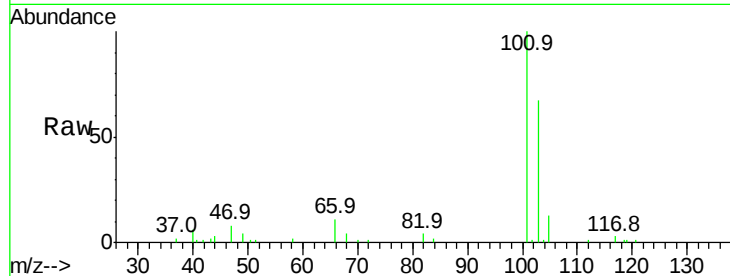
Acq: 14 Mar 2022 18:52 LOD-MDL-AIR-01-QT1-2022

Tgt Ion:101 Resp: 48803

Ion Ratio Lower Upper

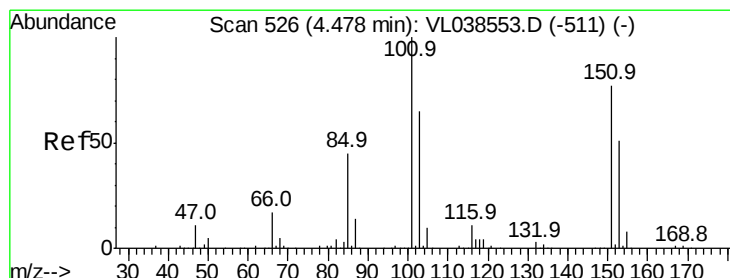
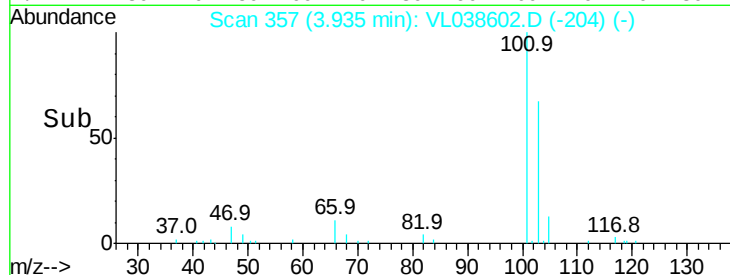
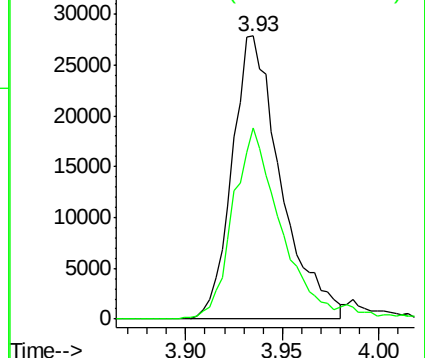
101 100

103 66.7 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.47 ppbv

RT: 4.47 min Scan# 522

Delta R.T. -0.01 min

Lab File: VL038602.D

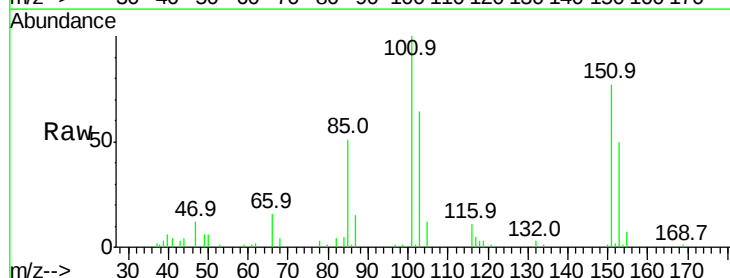
Acq: 14 Mar 2022 18:52

Tgt Ion:101 Resp: 38788

Ion Ratio Lower Upper

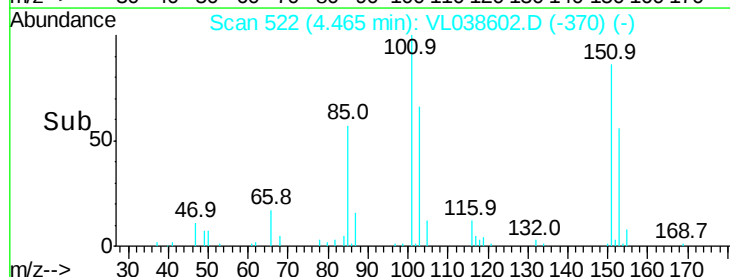
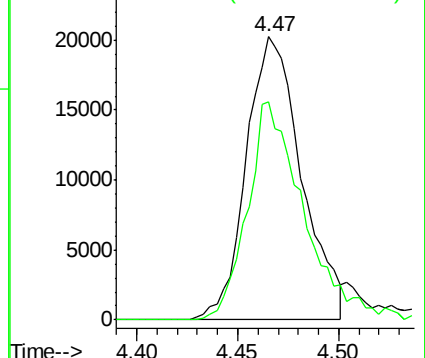
101 100

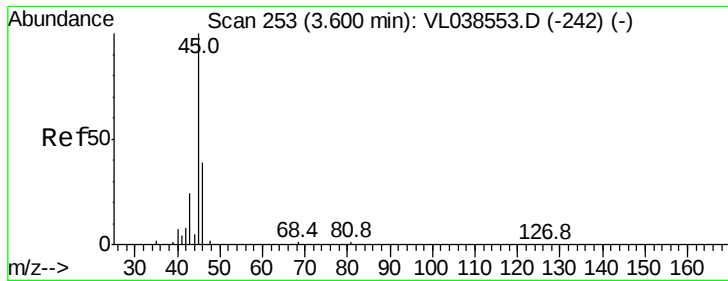
151 80.1 63.4 95.0



Abundance Ion 101.00 (100.70 to 101.70): V

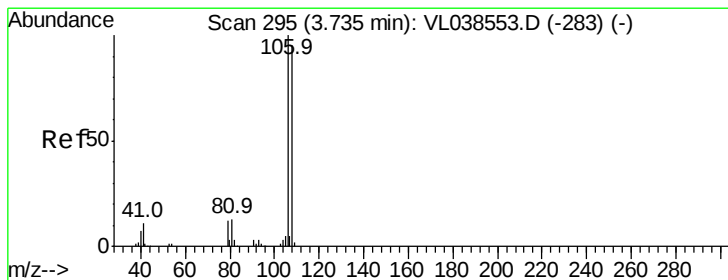
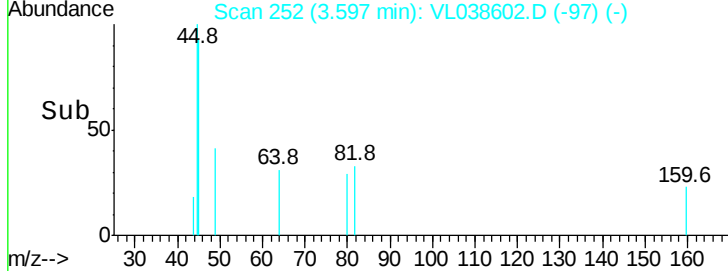
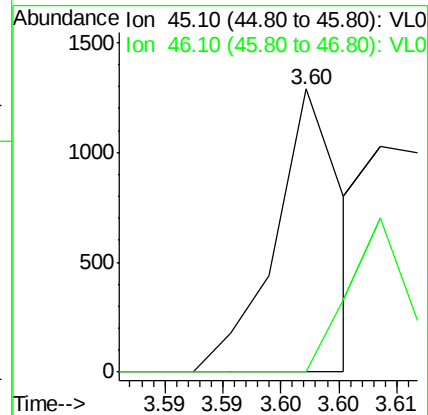
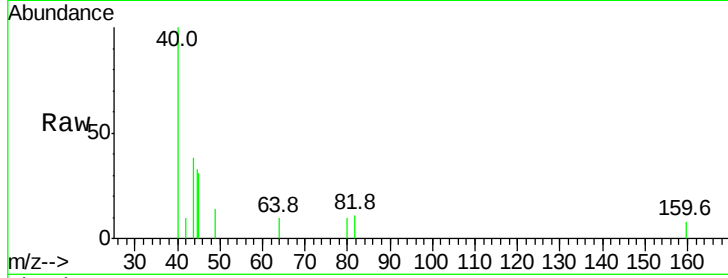
Ion 151.00 (150.70 to 151.70): V





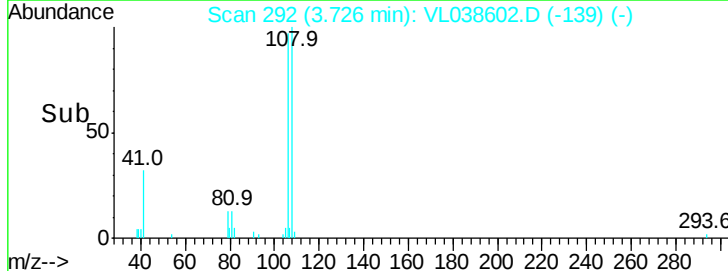
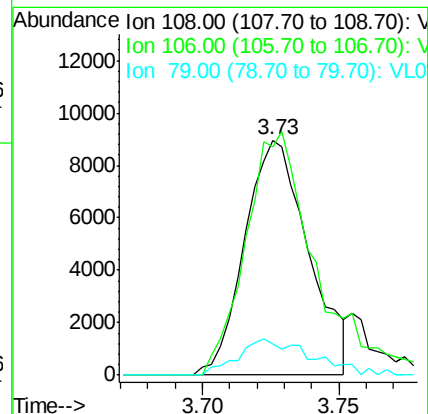
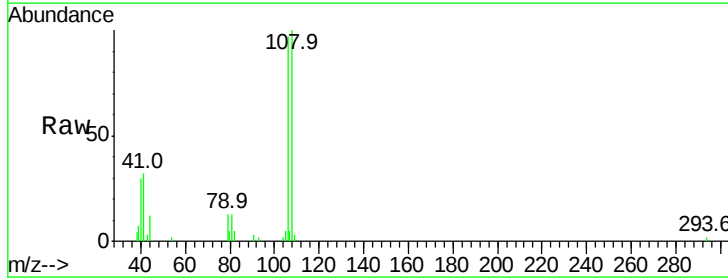
#13
Ethanol
Concen: 0.09 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Mar 2022 18:52

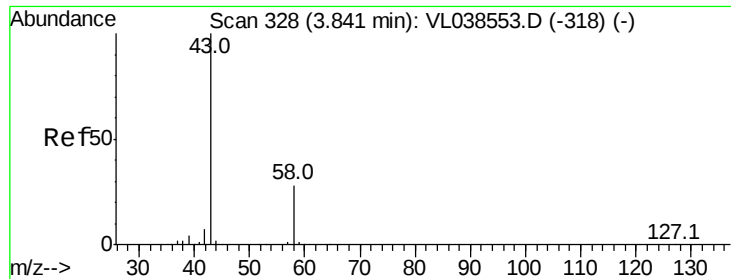
Tgt Ion: 45 Resp: 523
Ion Ratio Lower Upper
45 100
46 0.0 16.8 67.0#



#14
Bromoethene
Concen: 0.42 ppbv
RT: 3.73 min Scan# 292
Delta R.T. -0.01 min
Lab File: VL038602.D
Acq: 14 Mar 2022 18:52

Tgt Ion: 108 Resp: 14563
Ion Ratio Lower Upper
108 100
106 118.5 85.9 128.9
79 19.4 11.0 16.6#





#15

Acetone

Concen: 0.43 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

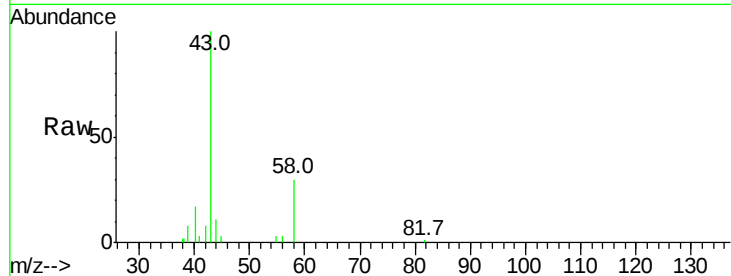
Acq: 14 Mar 2022 18:52 LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 43 Resp: 24293

Ion Ratio Lower Upper

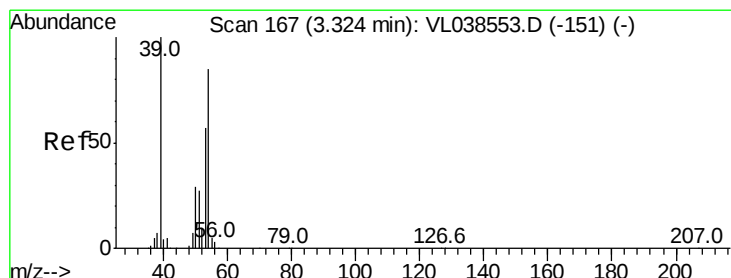
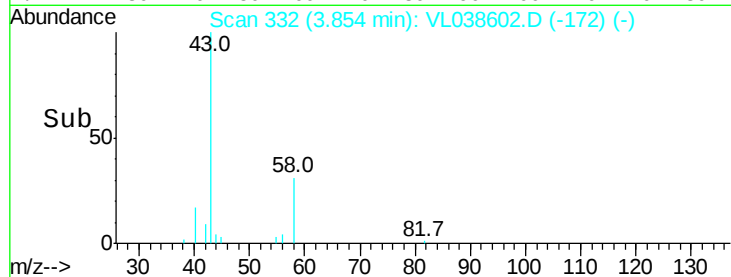
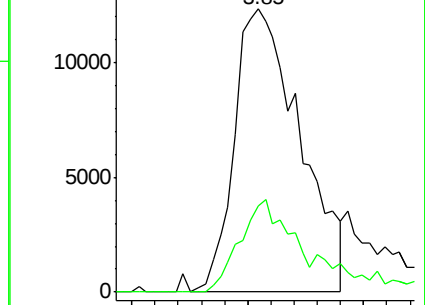
43 100

58 35.5 22.7 34.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.42 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.01 min

Lab File: VL038602.D

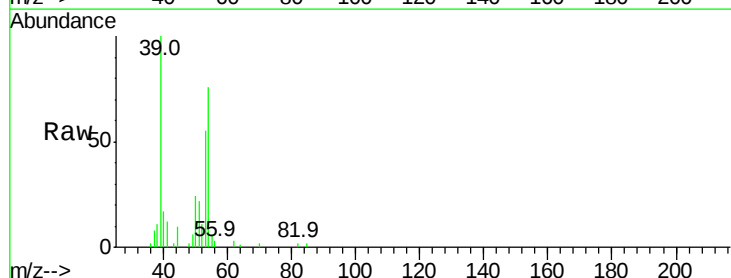
Acq: 14 Mar 2022 18:52

Tgt Ion: 39 Resp: 18786

Ion Ratio Lower Upper

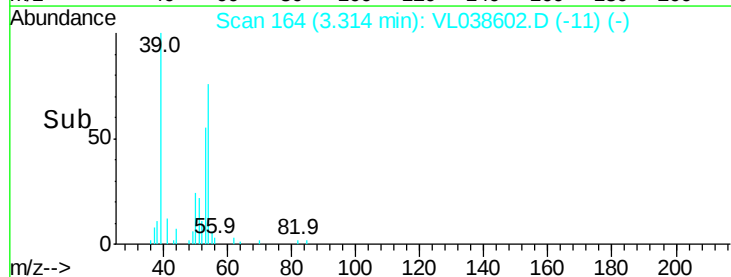
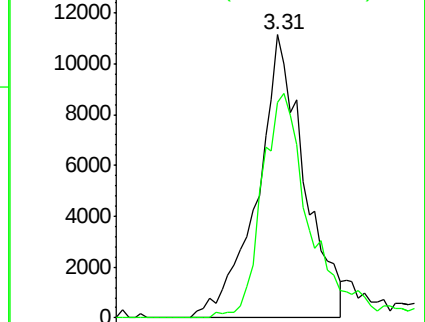
39 100

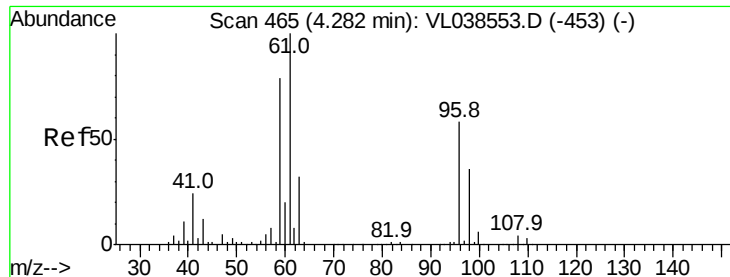
54 84.0 64.2 96.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#18

1,1-Dichloroethene

Concen: 0.43 ppbv

RT: 4.28 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 14 Mar 2022 18:52

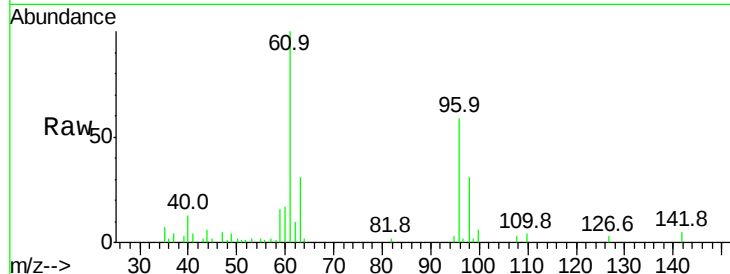
Tgt Ion: 96 Resp: 15679

Ion Ratio Lower Upper

96 100

61 159.7 137.4 206.0

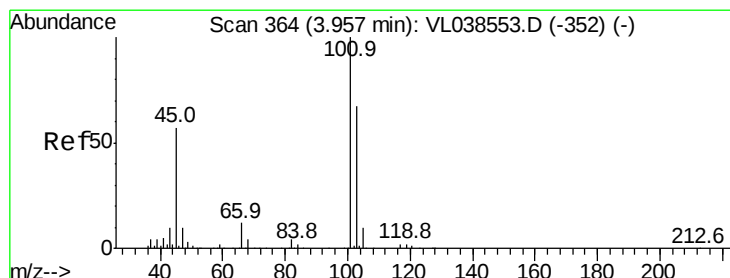
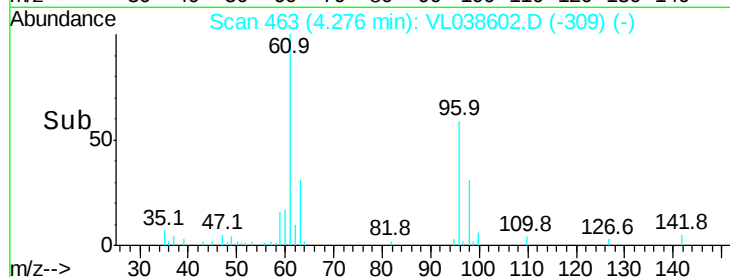
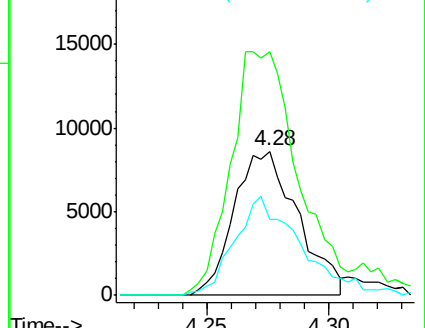
98 49.1 49.3 73.9#



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#19

Isopropyl Alcohol

Concen: 0.18 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.01 min

Lab File: VL038602.D

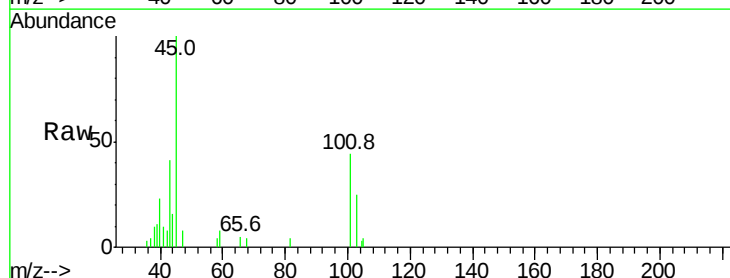
Acq: 14 Mar 2022 18:52

Tgt Ion: 45 Resp: 6857

Ion Ratio Lower Upper

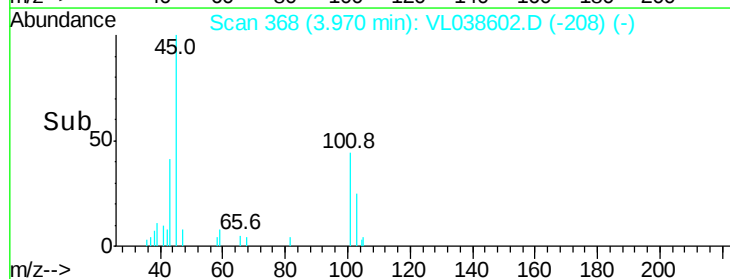
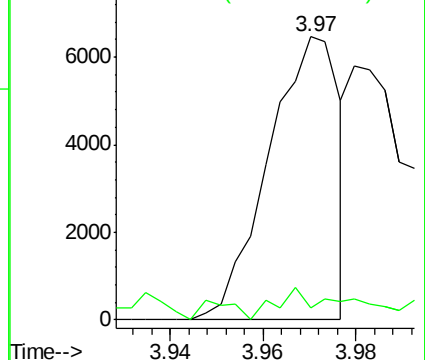
45 100

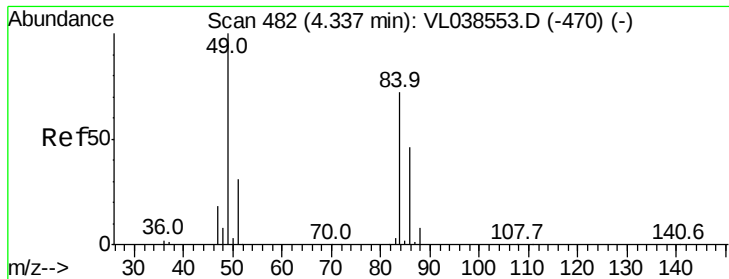
58 19.5 2.2 3.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

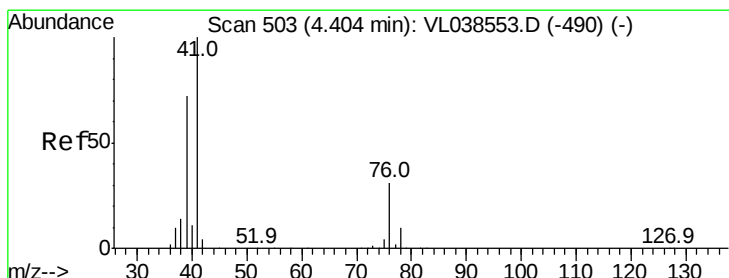
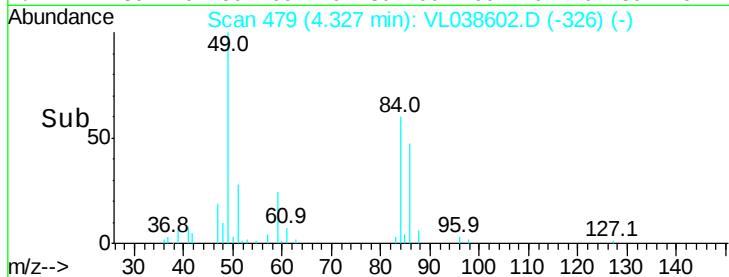
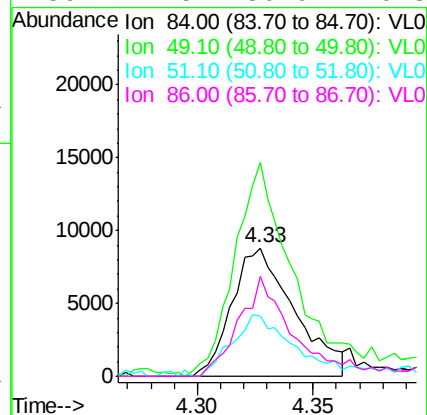
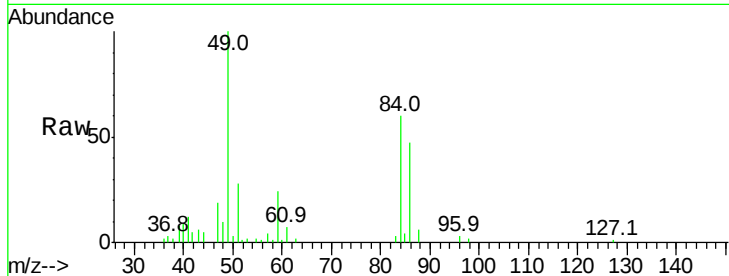
Ion 58.10 (57.80 to 58.80): VL0





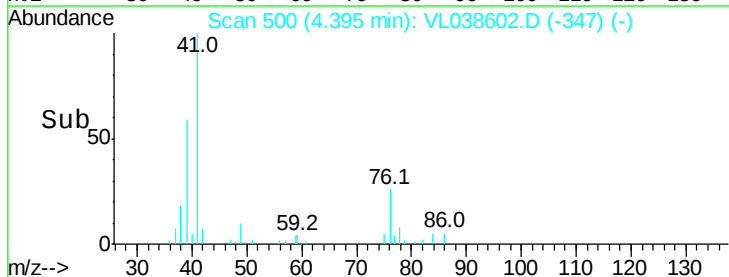
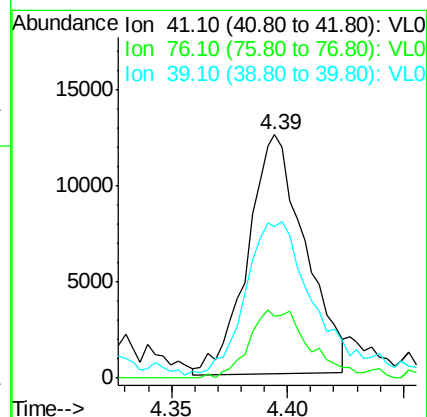
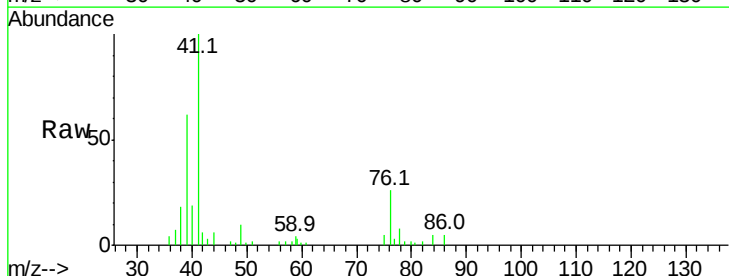
#20
Methylene Chloride
Concen: 0.49 ppbv
RT: 4.33
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Mar 2022 18:52
LOD-MDL-AIR-01-QT1-2022

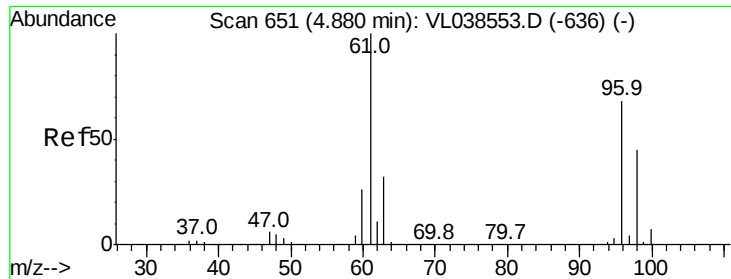
Tgt Ion:	84	Resp:	16468
Ion	Ratio	Lower	Upper
84	100		
49	160.0	111.1	166.7
51	46.5	34.0	51.0
86	77.5	50.9	76.3#



#21
Allyl Chloride
Concen: 0.40 ppbv
RT: 4.39 min Scan# 500
Delta R.T. -0.01 min
Lab File: VL038602.D
Acq: 14 Mar 2022 18:52

Tgt Ion:	41	Resp:	21467
Ion	Ratio	Lower	Upper
41	100		
76	31.4	24.3	36.5
39	87.3	57.1	85.7#





#22

trans-1,2-Dichloroethene

Concen: 0.40 ppbv

RT: 4.86 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 14 Mar 2022 18:52 LOD-MDL-AIR-01-QT1-2022

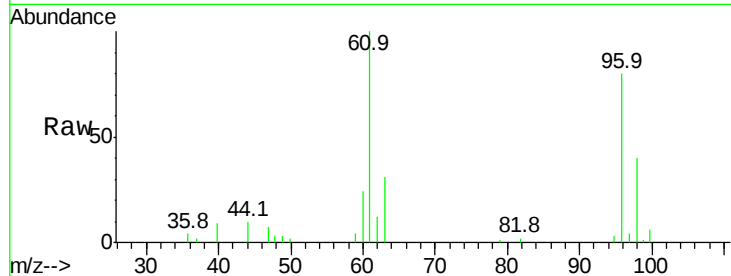
Tgt Ion: 96 Resp: 15512

Ion Ratio Lower Upper

96 100

61 124.3 117.6 176.4

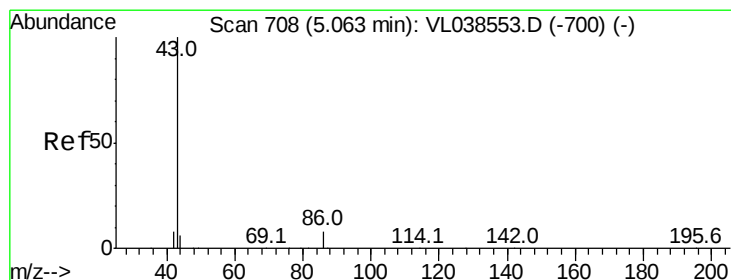
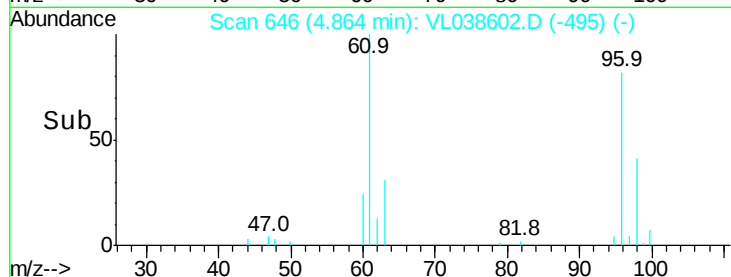
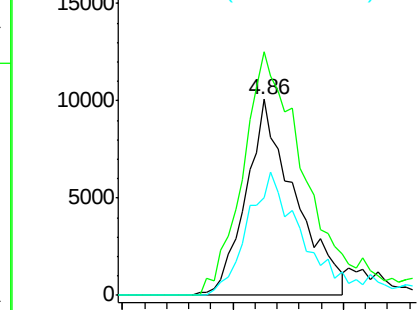
98 49.7 52.6 78.8#



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#23

Vinyl Acetate

Concen: 0.21 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.00 min

Lab File: VL038602.D

Acq: 14 Mar 2022 18:52

Tgt Ion: 43 Resp: 16809

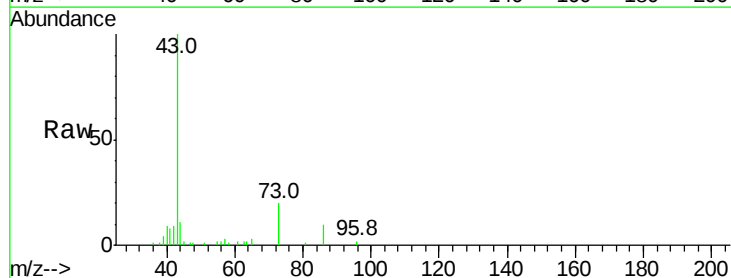
Ion Ratio Lower Upper

43 100

86 12.8 5.6 8.4#

42 5.7 7.1 10.7#

44 7.1 4.1 6.1#

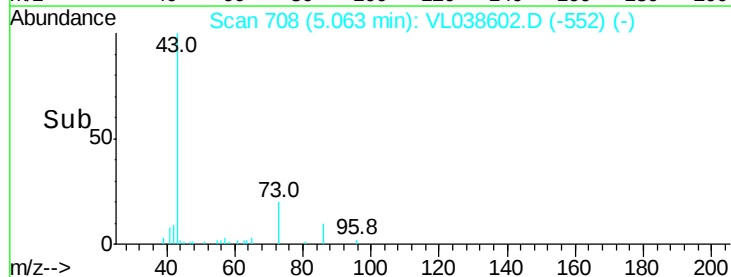
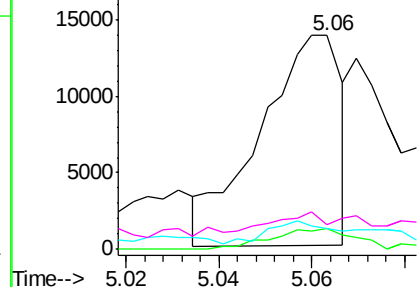


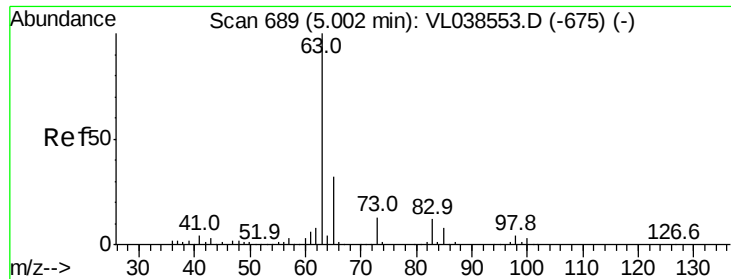
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0





#24

1,1-Dichloroethane

Concen: 0.45 ppbv

RT: 4.99 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 14 Mar 2022 18:52

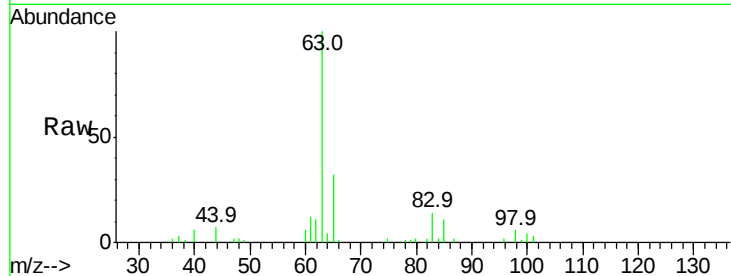
Tgt Ion: 63 Resp: 33304

Ion Ratio Lower Upper

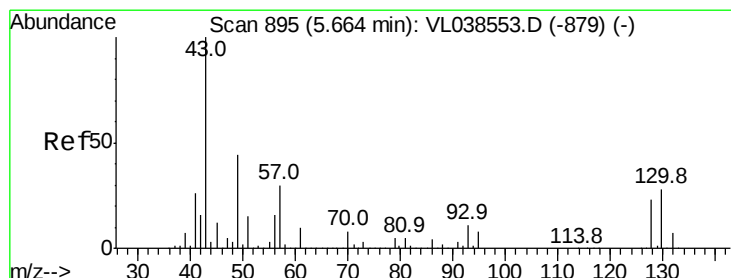
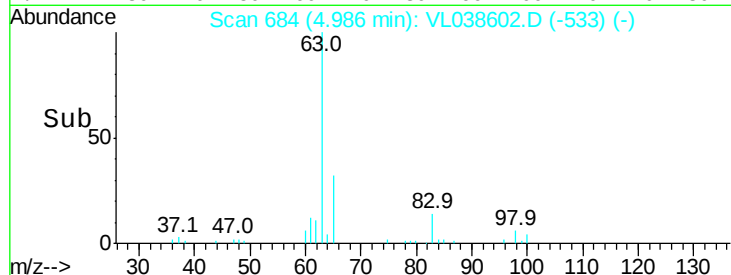
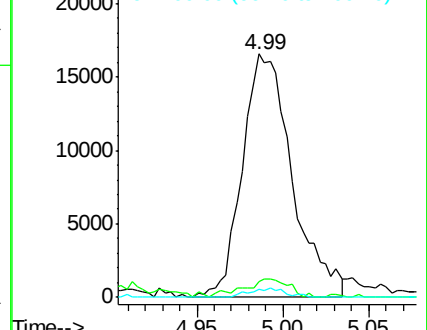
63 100

98 6.4 2.2 6.6

100 3.6 1.5 4.5



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0



#25

Ethyl Acetate

Concen: 0.39 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL038602.D

Acq: 14 Mar 2022 18:52

Tgt Ion: 43 Resp: 73543

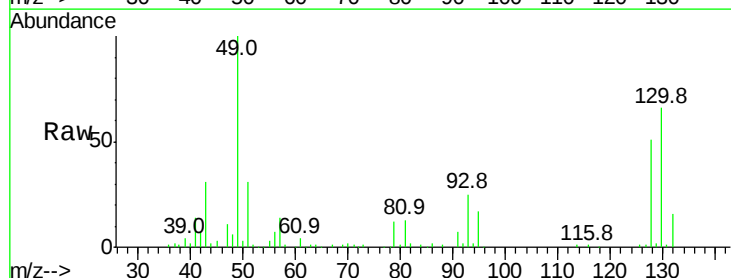
Ion Ratio Lower Upper

43 100

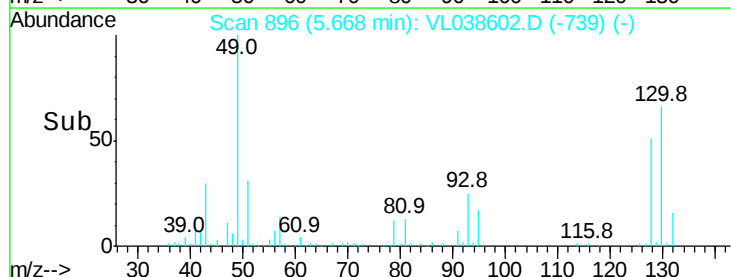
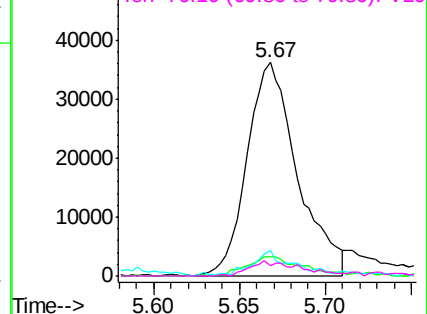
45 10.5 8.0 12.0

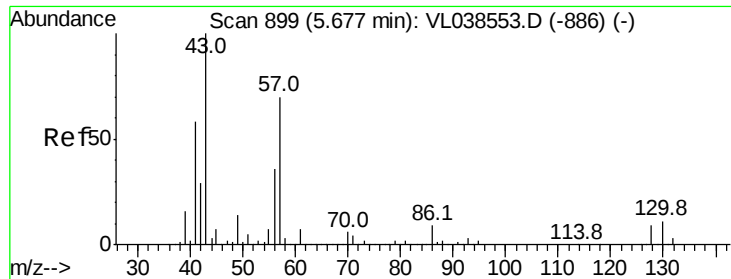
61 11.1 8.2 12.4

70 7.5 5.4 8.2



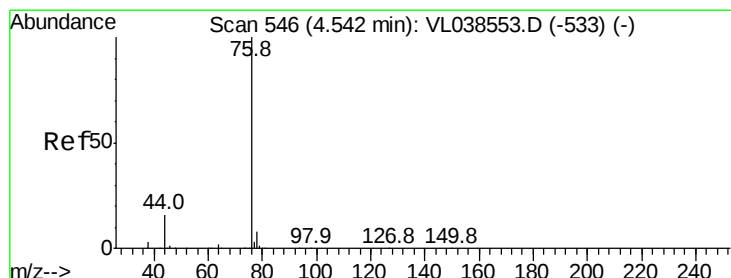
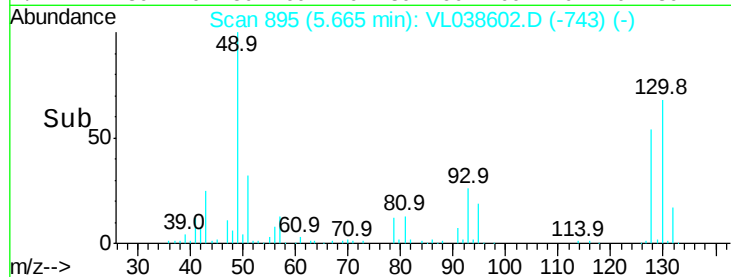
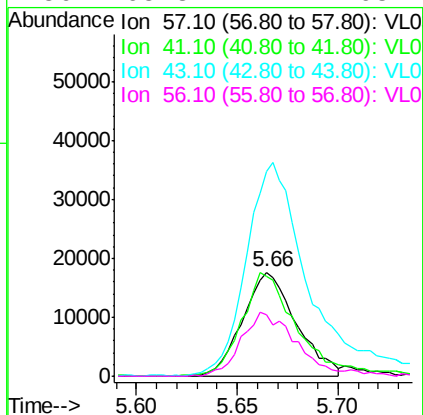
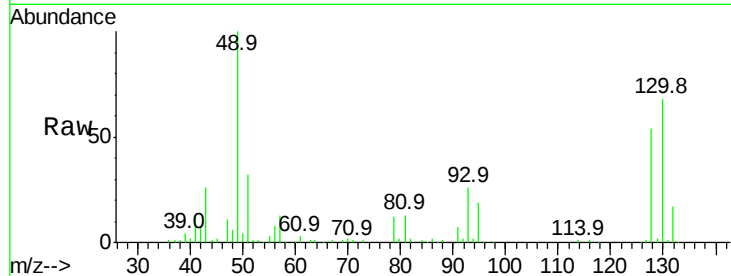
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0





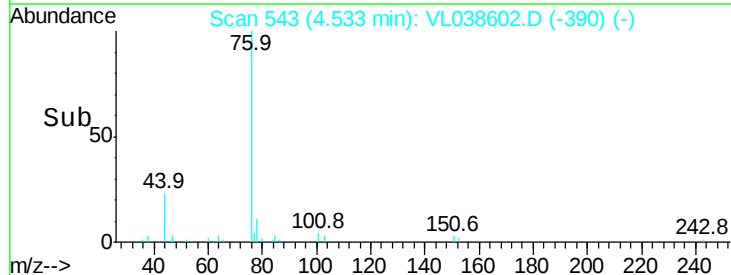
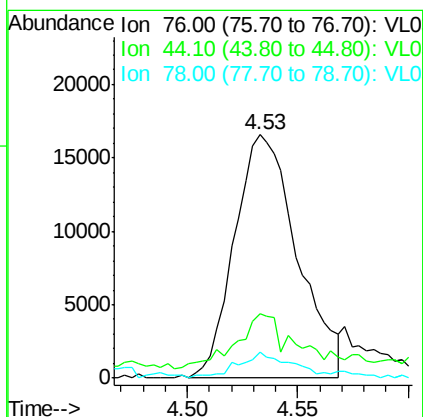
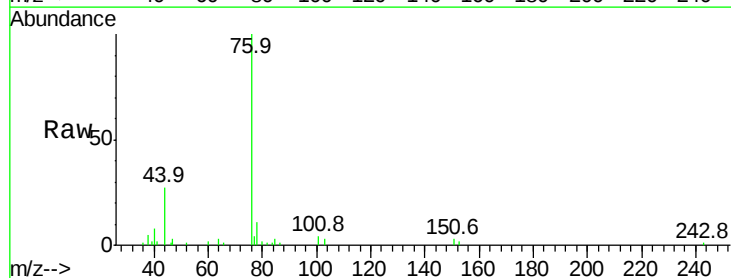
#26
Hexane
Concen: 0.37 ppbv
RT: 5.66
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 14 Mar 2022 18:52

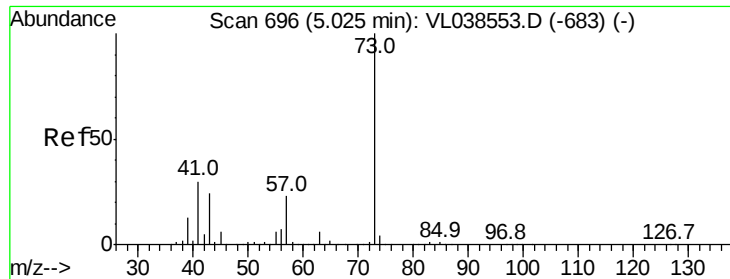
Tgt Ion:	57	Resp:	32640
Ion	Ratio	Lower	Upper
57	100		
41	105.4	67.8	101.6#
43	254.6	173.6	260.4
56	65.3	42.2	63.2#



#27
Carbon Disulfide
Concen: 0.37 ppbv
RT: 4.53 min Scan# 543
Delta R.T. -0.01 min
Lab File: VL038602.D
Acq: 14 Mar 2022 18:52

Tgt Ion:	76	Resp:	32814
Ion	Ratio	Lower	Upper
76	100		
44	24.4	12.9	19.3#
78	10.5	7.8	11.6





#28

Methyl tert-Butyl Ether

Concen: 0.17 ppbv

RT: 5.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

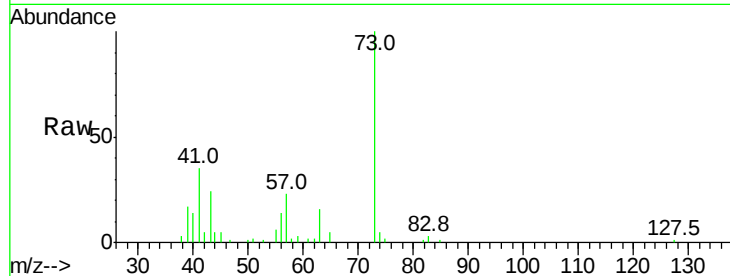
Acq: 14 Mar 2022 18:52 LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 73 Resp: 12296

Ion Ratio Lower Upper

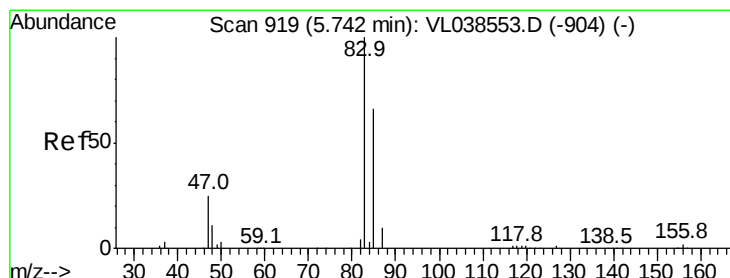
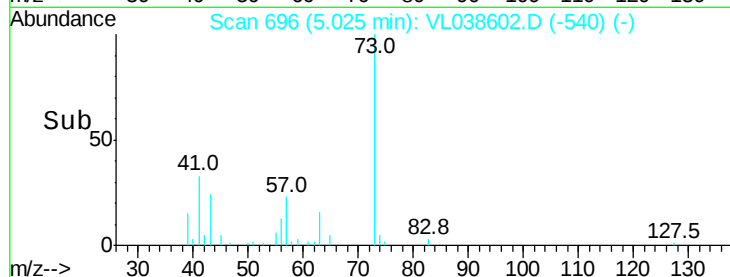
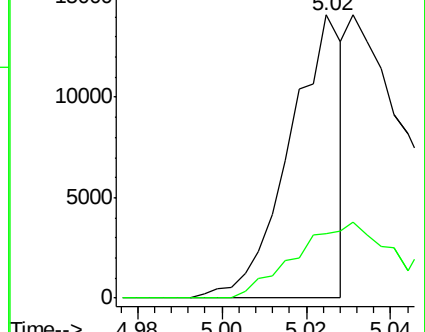
73 100

57 0.0 18.8 28.2#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#29

Chloroform

Concen: 0.45 ppbv

RT: 5.73 min Scan# 914

Delta R.T. -0.02 min

Lab File: VL038602.D

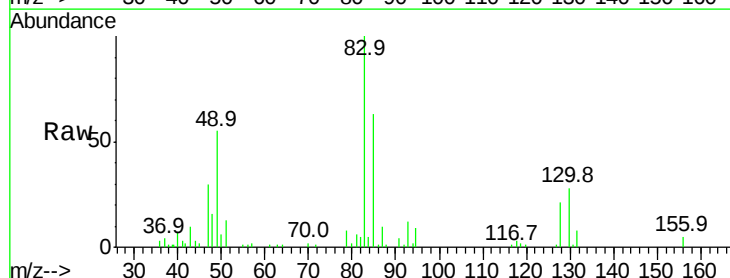
Acq: 14 Mar 2022 18:52

Tgt Ion: 83 Resp: 61989

Ion Ratio Lower Upper

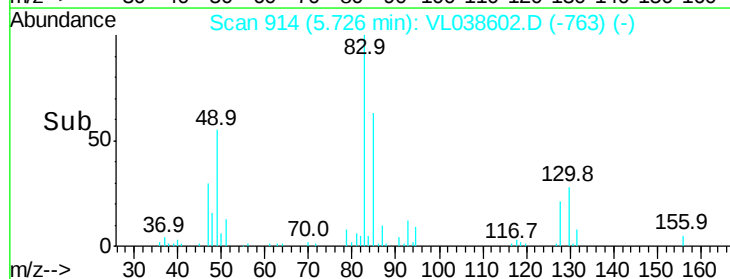
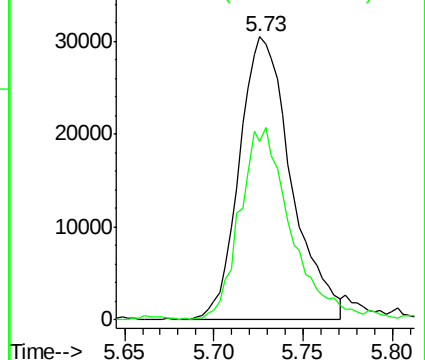
83 100

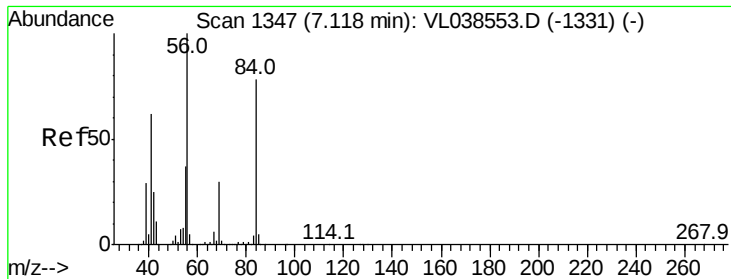
85 63.0 52.8 79.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

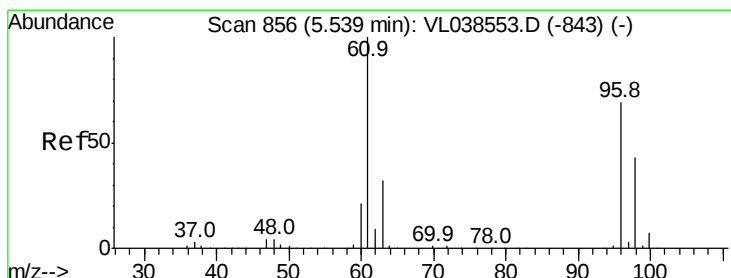
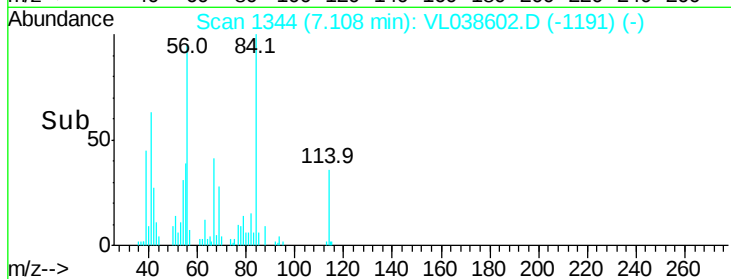
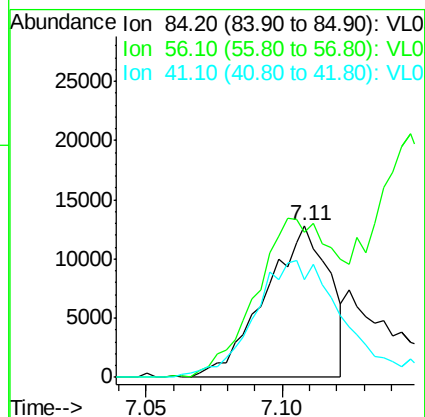
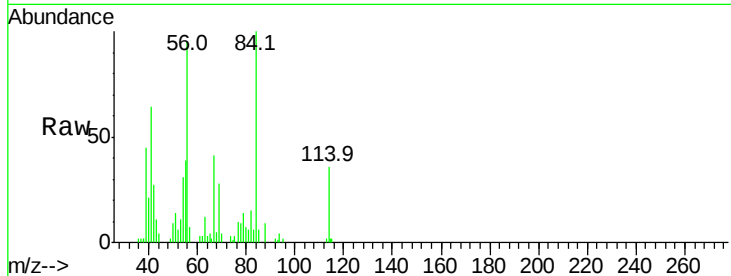
Ion 85.00 (84.70 to 85.70): VL0





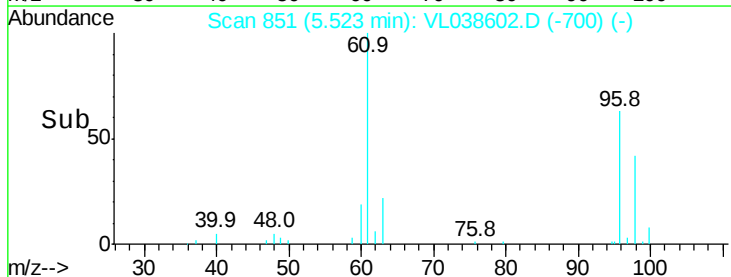
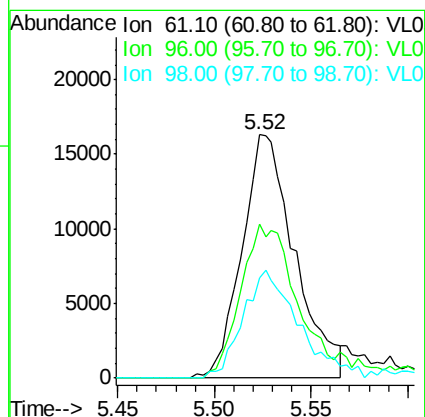
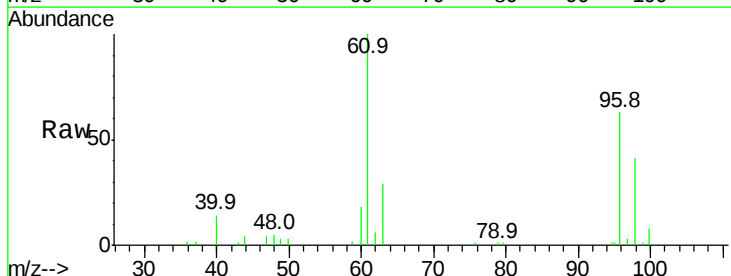
#30
Cyclohexane
Concen: 0.27 ppbv
RT: 7.11
Delta R.T. MSVOA_1
Lab File: ClientSampleId:
Acq: 14 Mar 2022 18:52

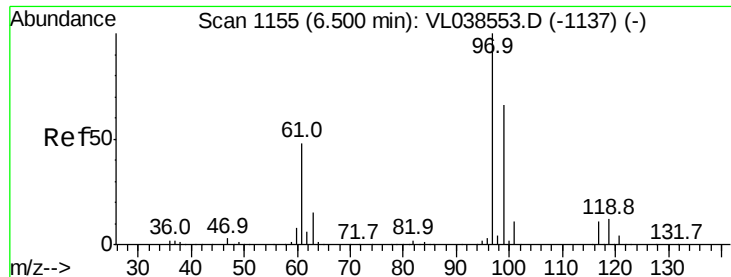
Tgt Ion: 84 Resp: 20941
Ion Ratio Lower Upper
84 100
56 133.0 111.4 167.0
41 109.1 65.5 98.3#



#31
cis-1,2-Dichloroethene
Concen: 0.36 ppbv
RT: 5.52 min Scan# 851
Delta R.T. -0.02 min
Lab File: VL038602.D
Acq: 14 Mar 2022 18:52

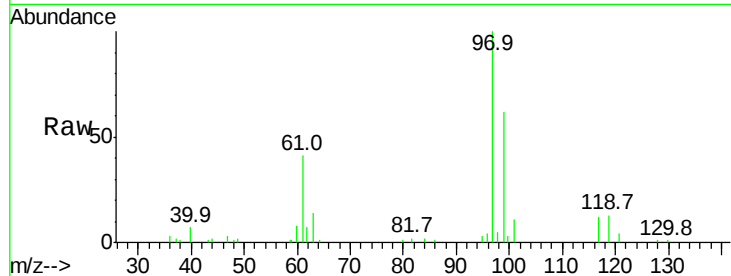
Tgt Ion: 61 Resp: 30968
Ion Ratio Lower Upper
61 100
96 63.2 55.2 82.8
98 41.4 34.2 51.4



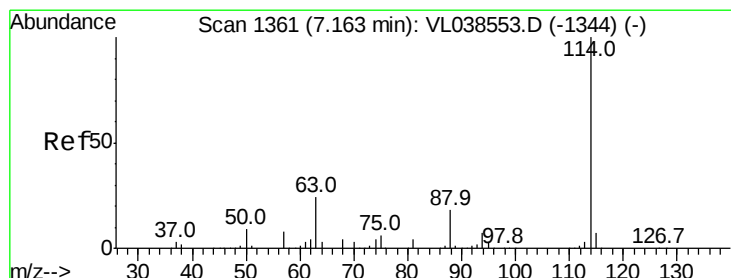
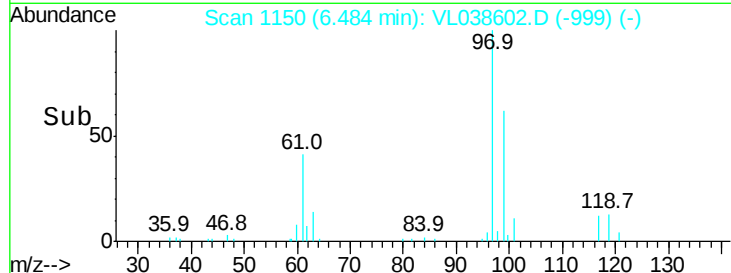
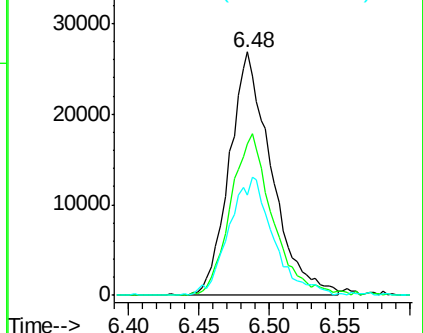


#32
 1,1,1-Trichloroethane
 Concen: 0.42 ppbv
 RT: 6.48
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 14 Mar 2022 18:52

Tgt Ion: 97 Resp: 56243
 Ion Ratio Lower Upper
 97 100
 99 66.9 52.1 78.1
 61 51.2 37.7 56.5

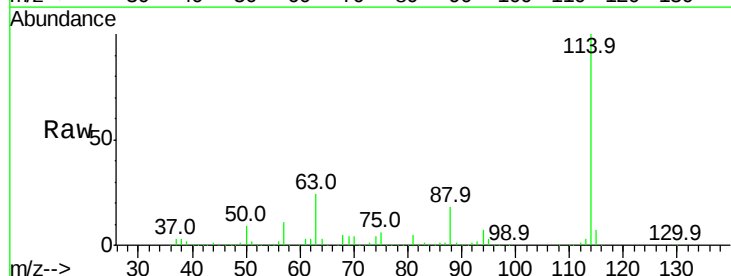


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0

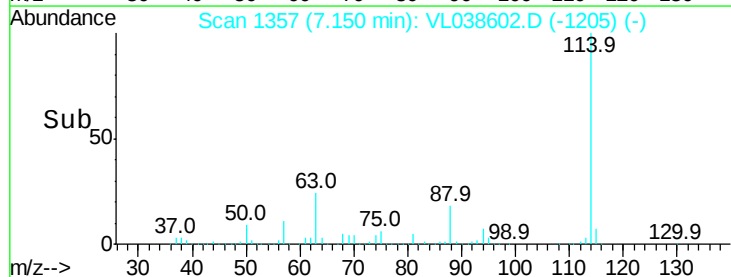
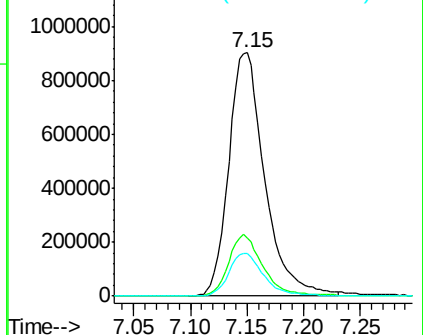


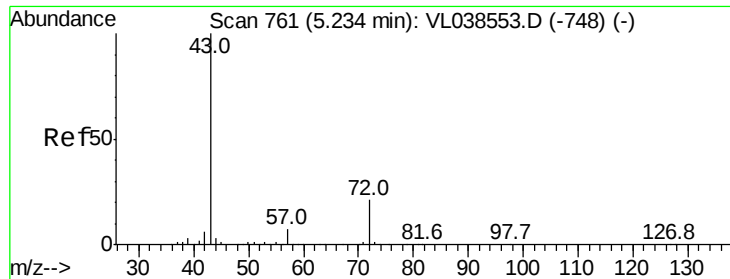
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VL038602.D
 Acq: 14 Mar 2022 18:52

Tgt Ion: 114 Resp: 2000599
 Ion Ratio Lower Upper
 114 100
 63 24.4 19.6 29.4
 88 17.5 13.9 20.9



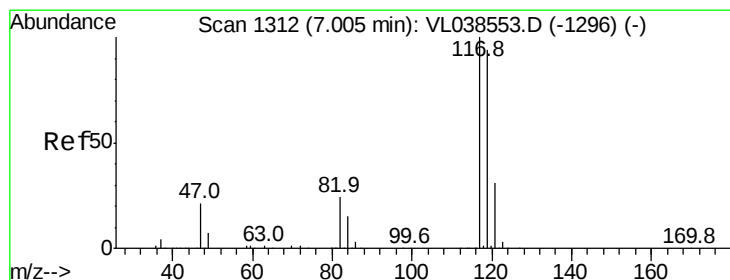
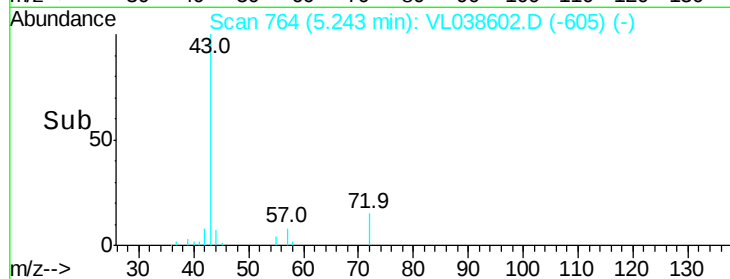
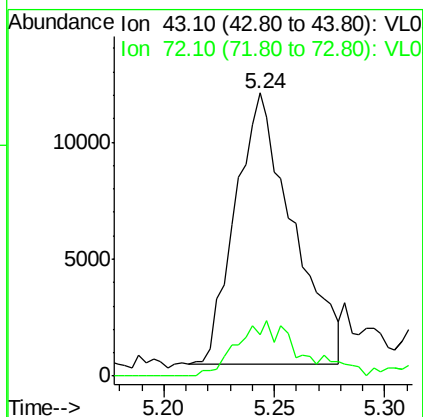
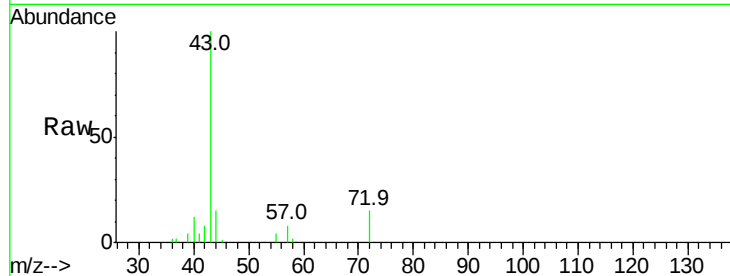
Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0





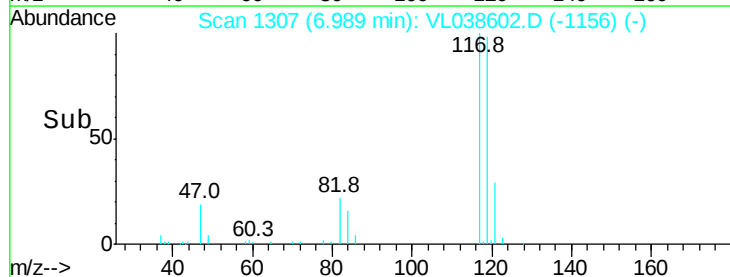
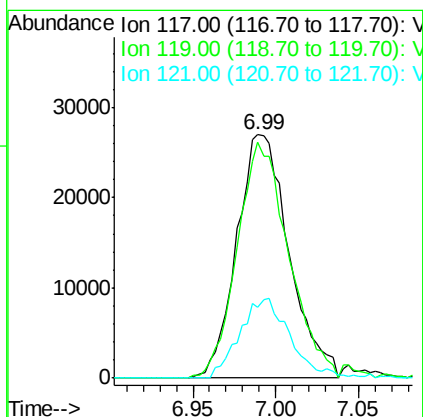
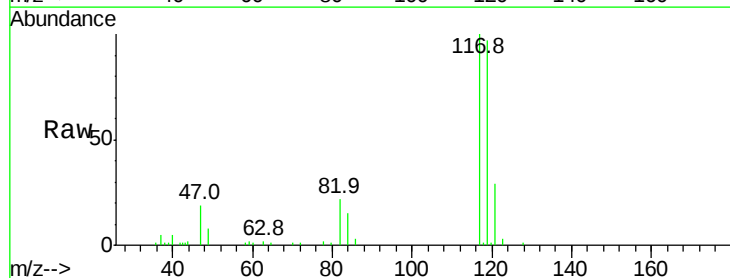
#34
 2-Butanone
 Concen: 0.40 ppbv
 RT: 5.24 Instrument: MSVOA_1
 Delta R.T. ClientSampleId:
 Lab File: LOD-MDL-AIR-01-QT1-2022
 Acq: 14 Mar 2022 18:52

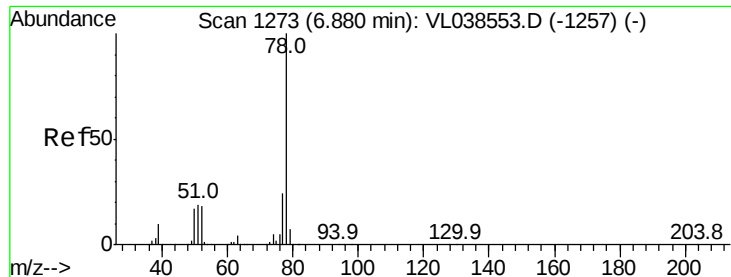
Tgt Ion: 43 Resp: 20910
 Ion Ratio Lower Upper
 43 100
 72 24.3 17.8 26.6



#35
 Carbon Tetrachloride
 Concen: 0.43 ppbv
 RT: 6.99 min Scan# 1307
 Delta R.T. -0.02 min
 Lab File: VL038602.D
 Acq: 14 Mar 2022 18:52

Tgt Ion: 117 Resp: 59304
 Ion Ratio Lower Upper
 117 100
 119 96.7 75.2 112.8
 121 29.2 24.8 37.2





#36

Benzene

Concen: 0.38 ppbv

RT: 6.86 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 18:52 LOD-MDL-AIR-01-QT1-2022

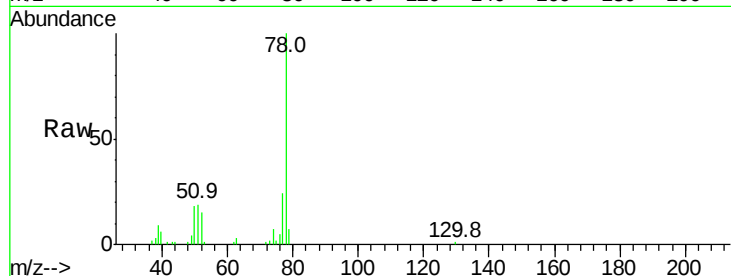
Tgt Ion: 78 Resp: 67886

Ion Ratio Lower Upper

78 100

77 24.3 19.0 28.4

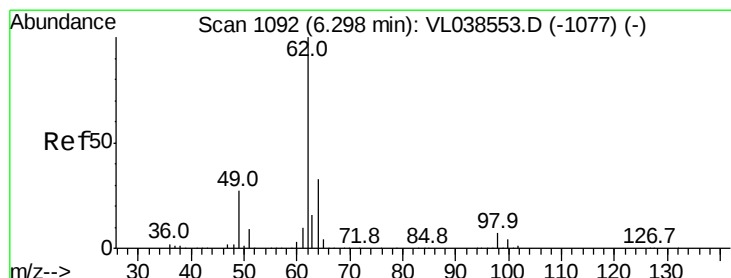
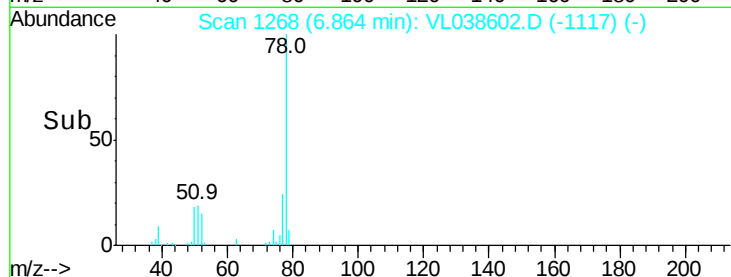
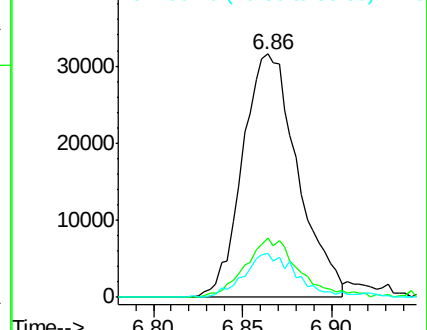
50 17.5 13.9 20.9



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#37

1,2-Dichloroethane

Concen: 0.41 ppbv

RT: 6.29 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VL038602.D

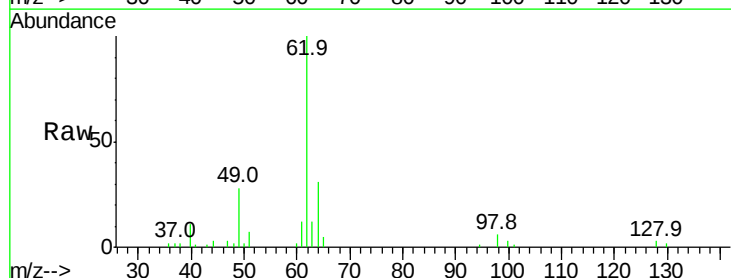
Acq: 14 Mar 2022 18:52

Tgt Ion: 62 Resp: 35371

Ion Ratio Lower Upper

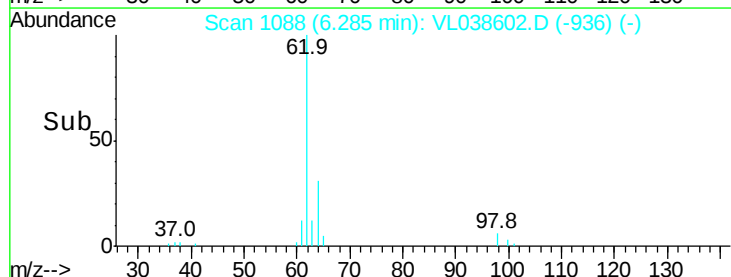
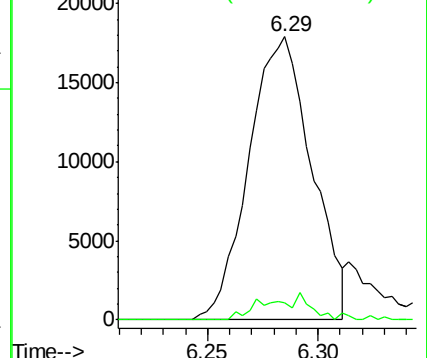
62 100

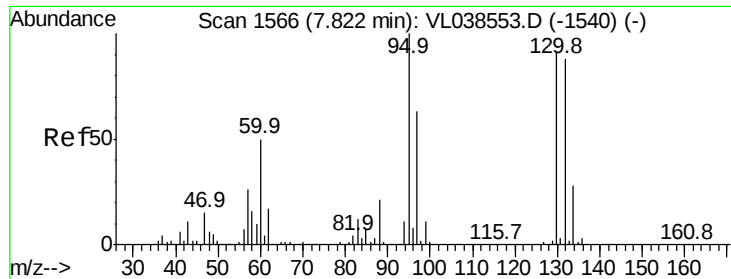
98 6.9 5.7 8.5



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#38

Trichloroethene

Concen: 0.39 ppbv

RT: 7.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 18:52 LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 130 Resp: 28047

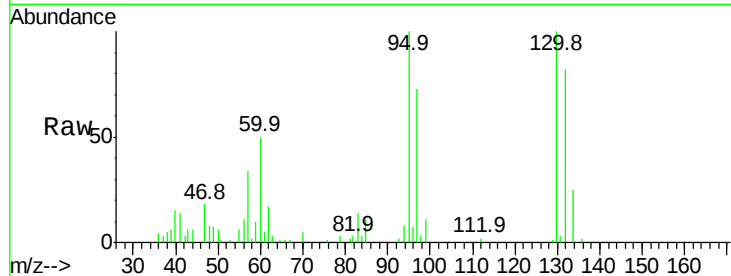
Ion Ratio Lower Upper

130 100

95 95.8 87.8 131.8

132 81.9 77.5 116.3

97 73.7 55.4 83.2

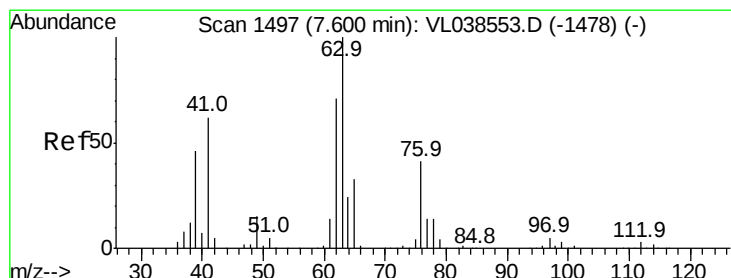
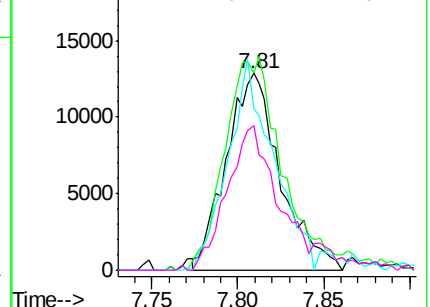
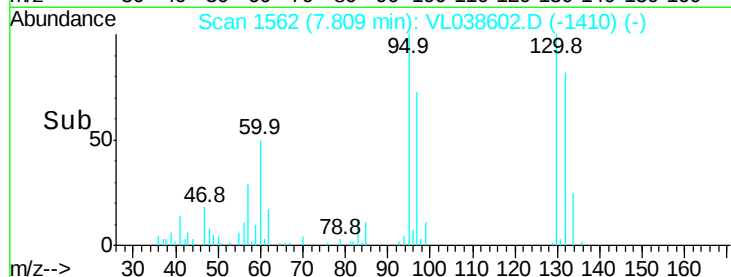


Abundance Ion 130.00 (129.70 to 130.70): V

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



#39

1,2-Dichloropropane

Concen: 0.43 ppbv

RT: 7.59 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VL038602.D

Acq: 14 Mar 2022 18:52

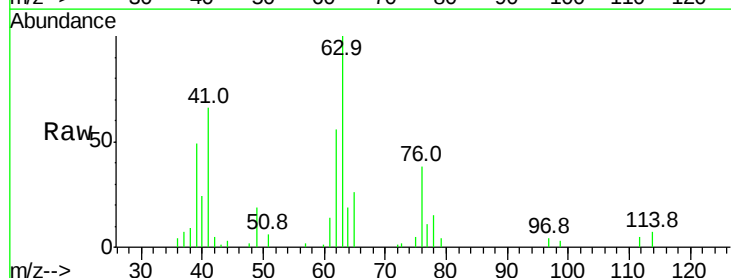
Tgt Ion: 63 Resp: 29788

Ion Ratio Lower Upper

63 100

41 66.0 49.8 74.6

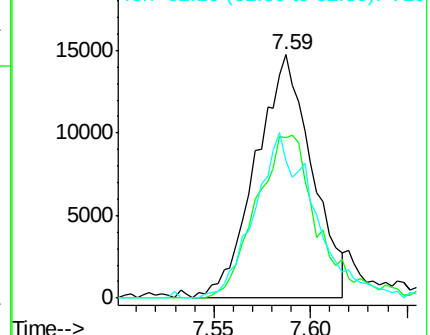
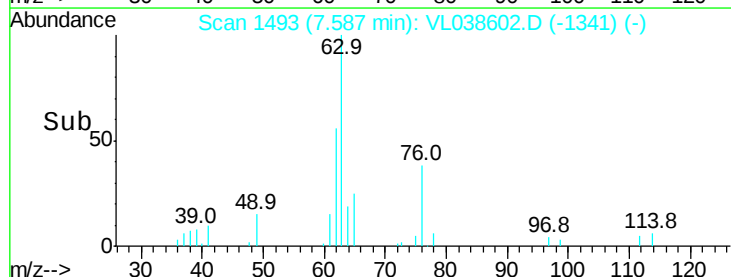
62 56.4 56.7 85.1#

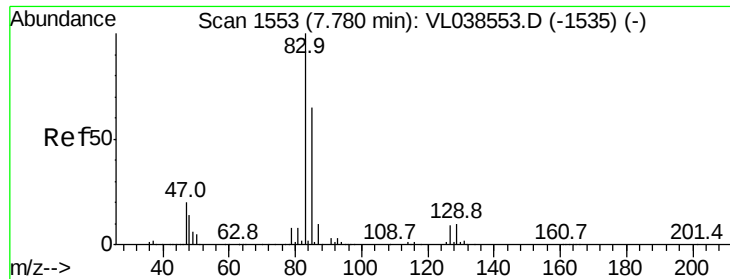


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#42

Bromodichloromethane

Concen: 0.43 ppbv

RT: 7.76 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 18:52 LOD-MDL-AIR-01-OT1-2022

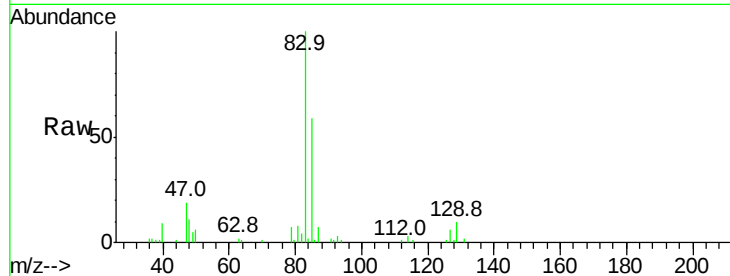
Tgt Ion: 83 Resp: 58526

Ion Ratio Lower Upper

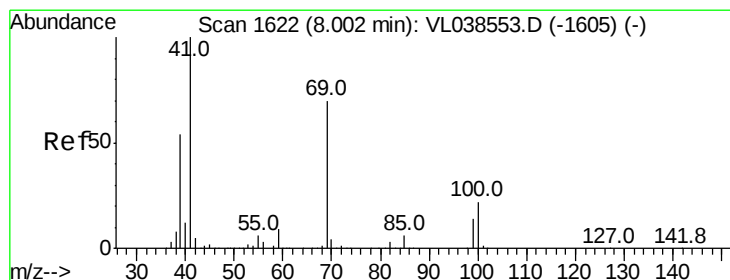
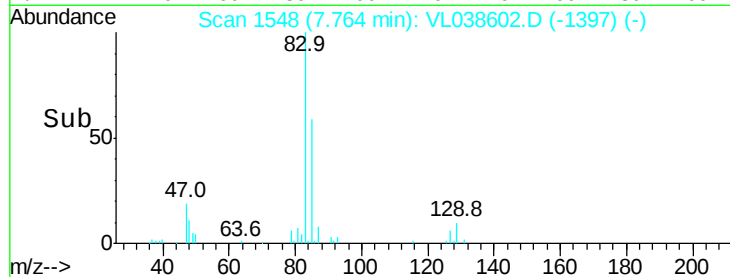
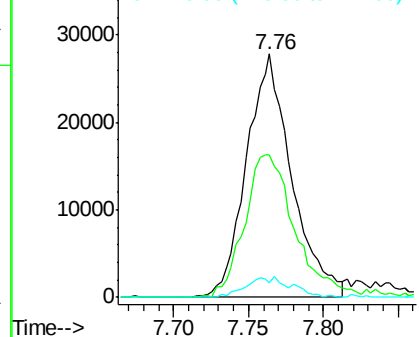
83 100

85 58.5 51.7 77.5

127 6.2 6.9 10.3#



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



#43

Methyl Methacrylate

Concen: 0.14 ppbv

RT: 7.99 min Scan# 1619

Delta R.T. -0.01 min

Lab File: VL038602.D

Acq: 14 Mar 2022 18:52

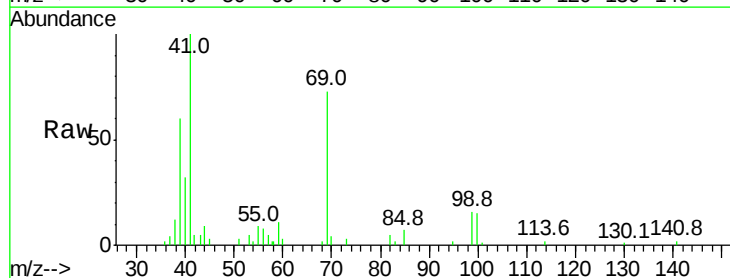
Tgt Ion: 69 Resp: 8969

Ion Ratio Lower Upper

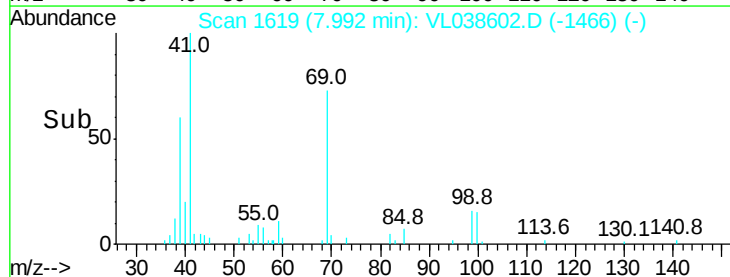
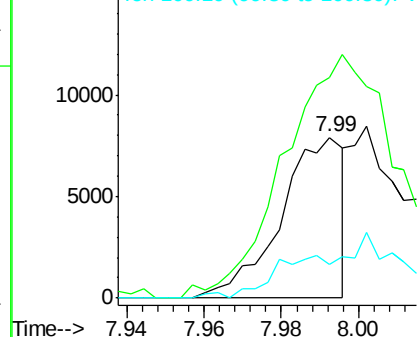
69 100

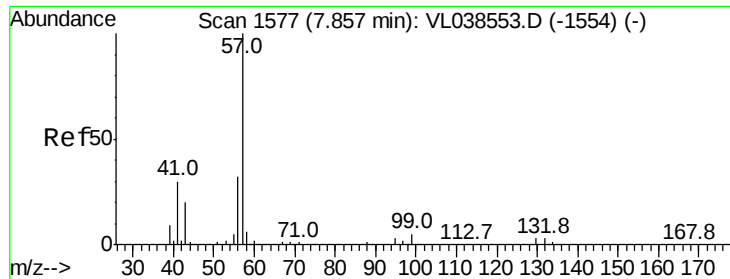
41 313.9 113.8 170.6#

100 0.0 24.4 36.6#



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.39 ppbv

RT: 7.84

Instrument: MSVOA_1

Delta R.T.

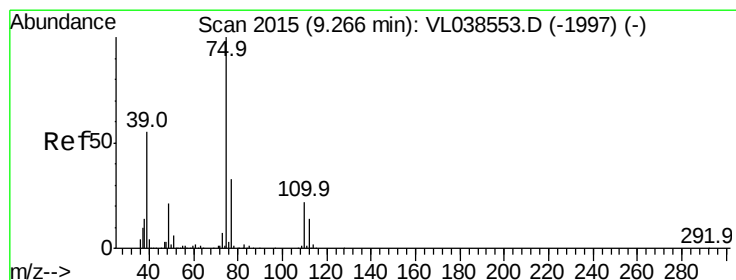
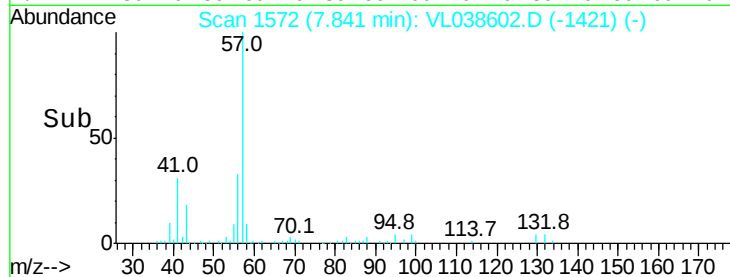
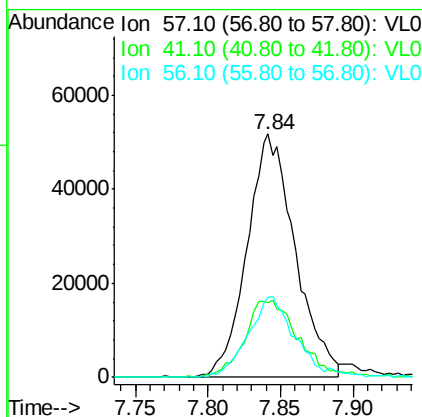
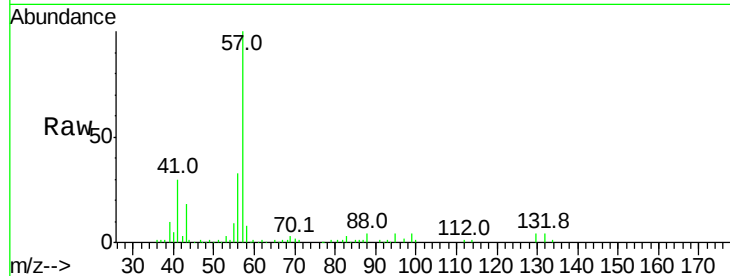
ClientSampleId:

Lab File: LOD-MDL-AIR-01-QT1-2022

Acq: 14 Mar 2022 18:52

Tgt Ion: 57 Resp: 119138

Ion	Ratio	Lower	Upper
57	100		
41	36.1	24.0	36.0#
56	33.2	25.6	38.4



#45

t-1,3-Dichloropropene

Concen: 0.12 ppbv

RT: 9.25 min Scan# 2009

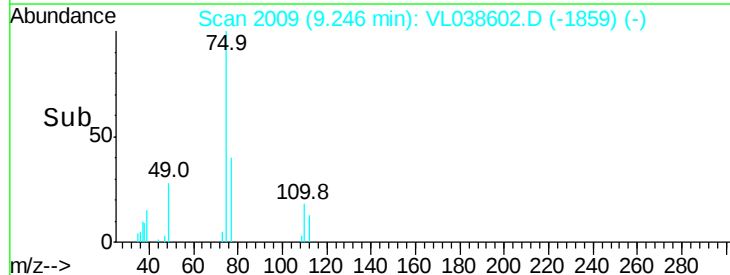
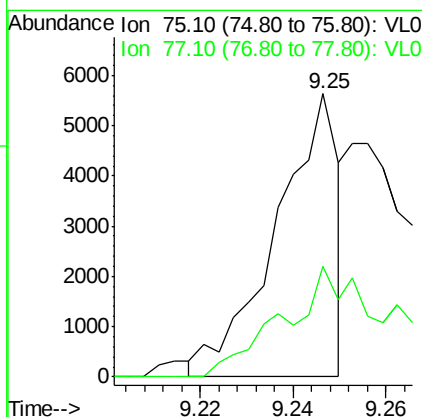
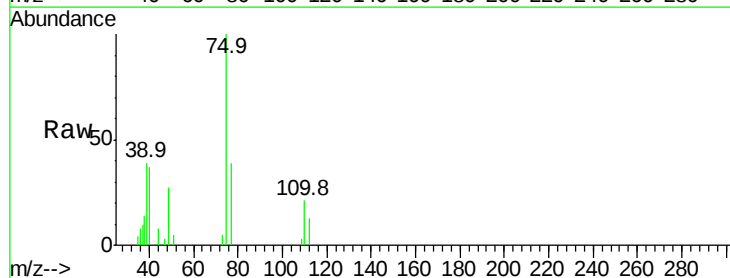
Delta R.T. -0.02 min

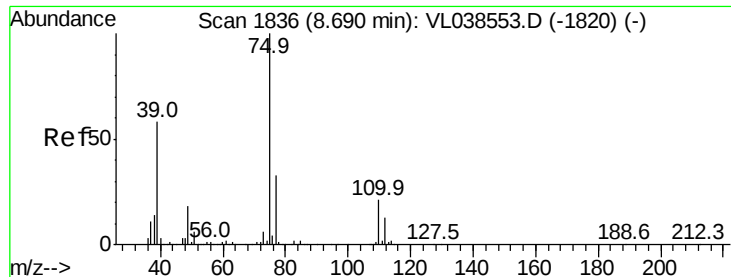
Lab File: VL038602.D

Acq: 14 Mar 2022 18:52

Tgt Ion: 75 Resp: 5258

Ion	Ratio	Lower	Upper
75	100		
77	38.9	26.6	40.0





#46

cis-1,3-Dichloropropene

Concen: 0.30 ppbv

RT: 8.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 18:52 LOD-MDL-AIR-01-QT1-2022

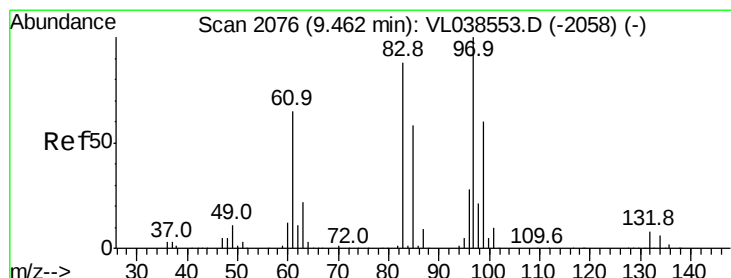
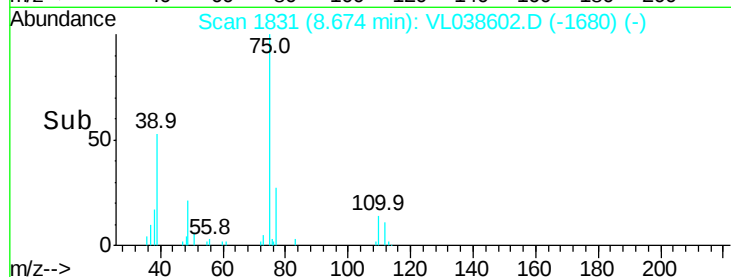
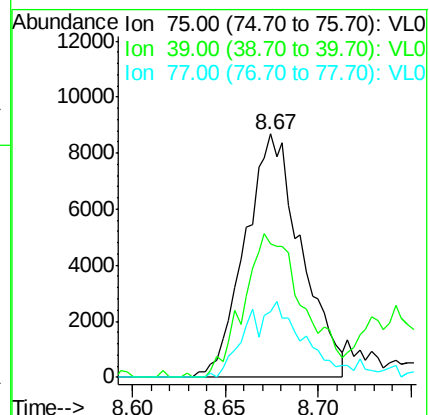
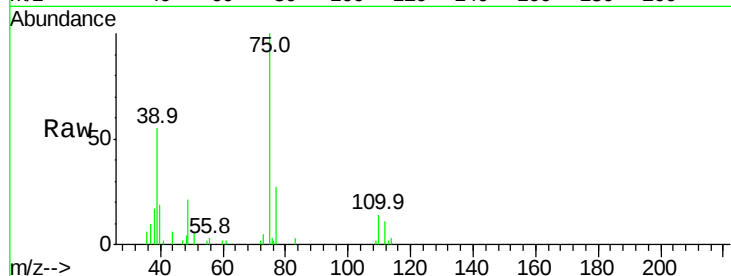
Tgt Ion: 75 Resp: 18308

Ion Ratio Lower Upper

75 100

39 54.9 46.2 69.2

77 27.2 26.2 39.2



#47

1,1,2-Trichloroethane

Concen: 0.44 ppbv

RT: 9.45 min Scan# 2071

Delta R.T. -0.02 min

Lab File: VL038602.D

Acq: 14 Mar 2022 18:52

Tgt Ion: 97 Resp: 30983

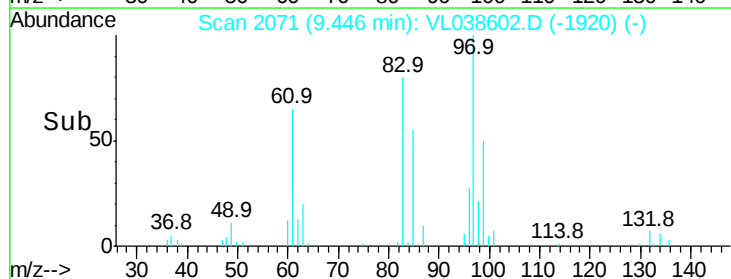
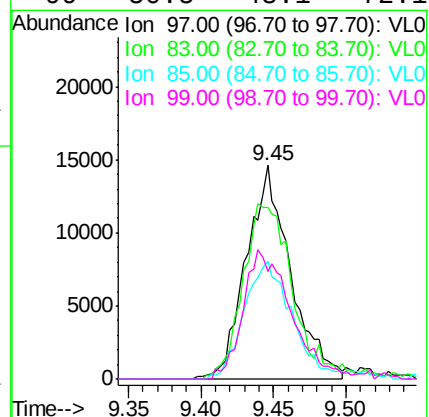
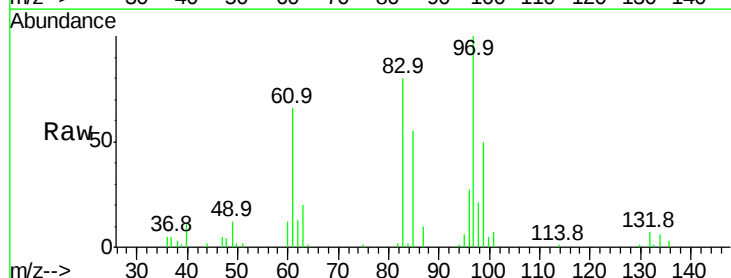
Ion Ratio Lower Upper

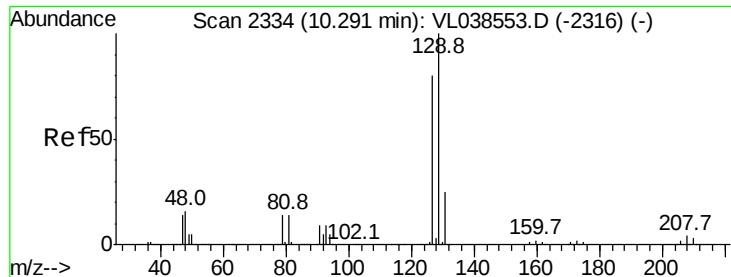
97 100

83 80.3 70.1 105.1

85 55.2 46.6 69.8

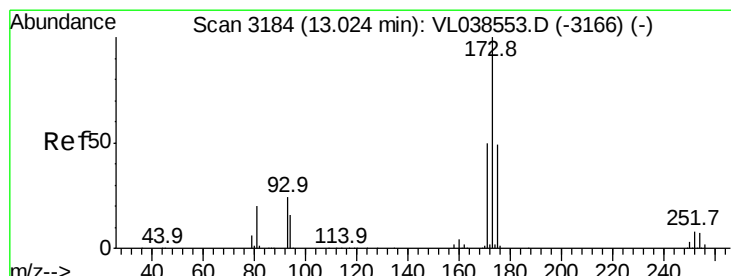
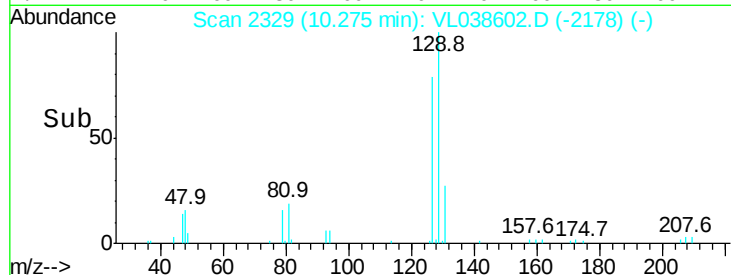
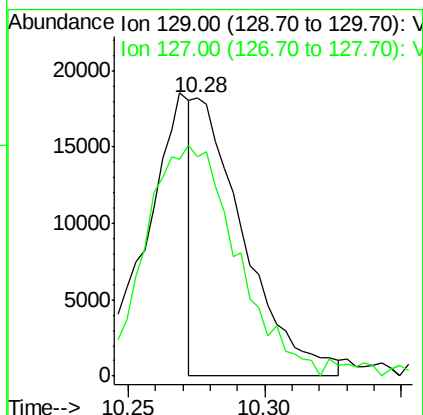
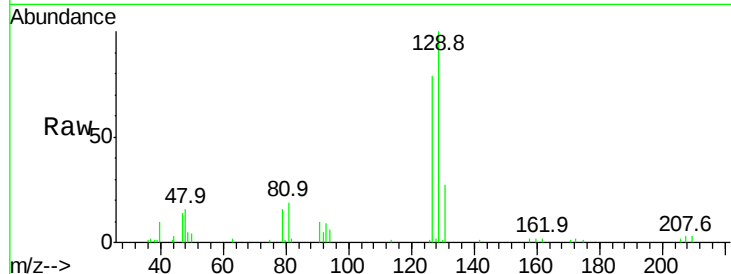
99 50.5 48.1 72.1





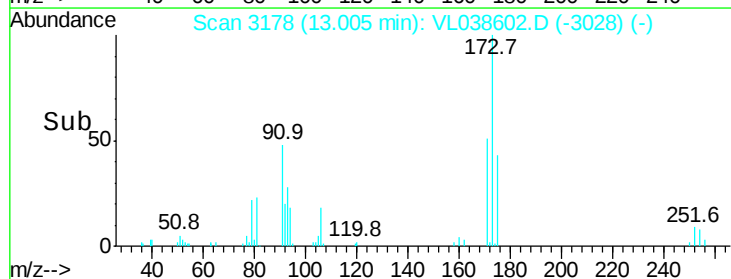
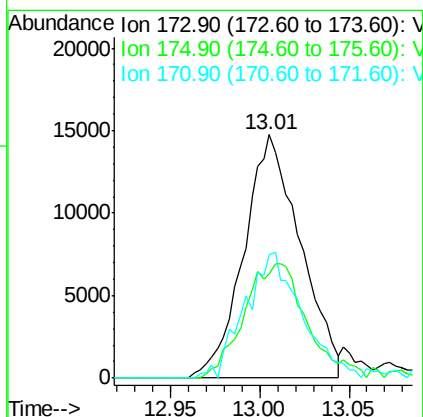
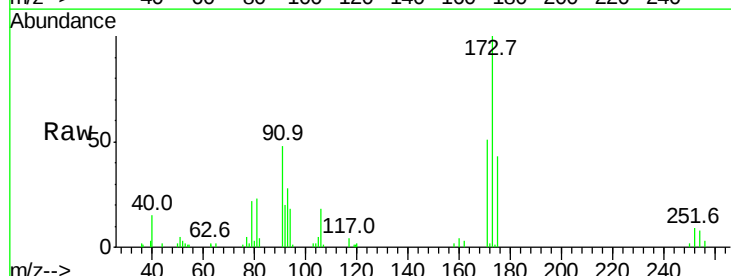
#48
 Dibromochloromethane
 Concen: 0.21 ppbv
 RT: 10.28 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 14 Mar 2022 18:52

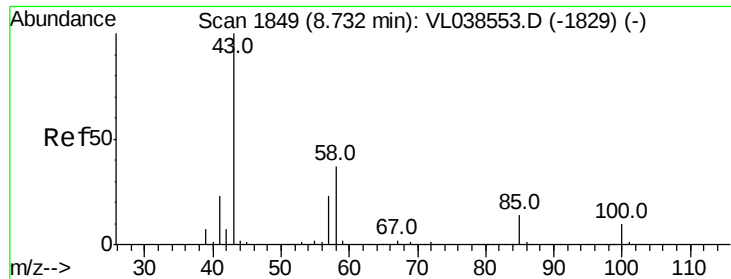
Tgt Ion:129 Resp: 23171
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.5 118.3#



#49
 Bromoform
 Concen: 0.38 ppbv
 RT: 13.01 min Scan# 3178
 Delta R.T. -0.02 min
 Lab File: VL038602.D
 Acq: 14 Mar 2022 18:52

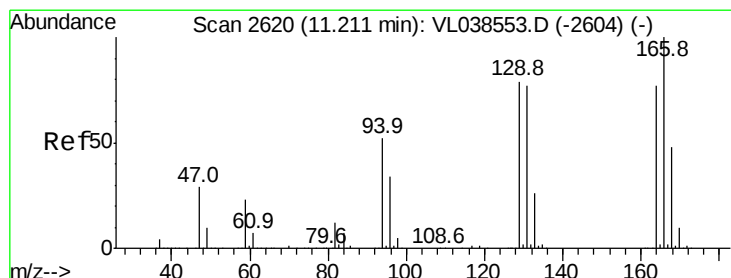
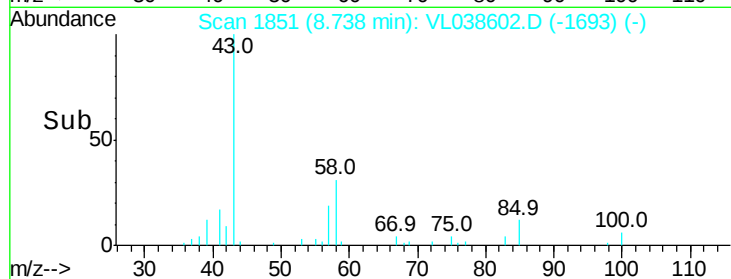
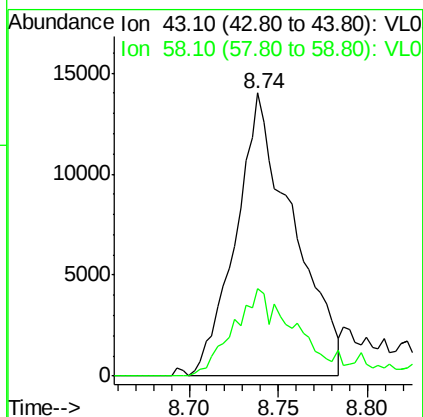
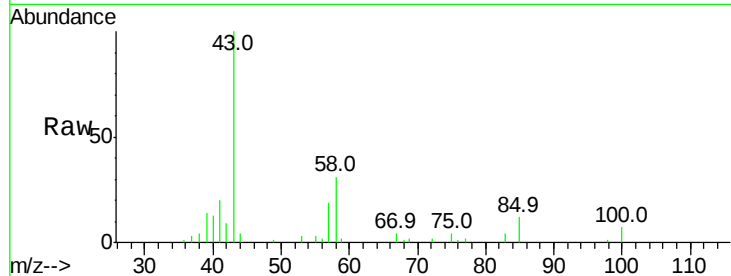
Tgt Ion:173 Resp: 32635
 Ion Ratio Lower Upper
 173 100
 175 54.4 40.7 61.1
 171 53.7 42.9 64.3





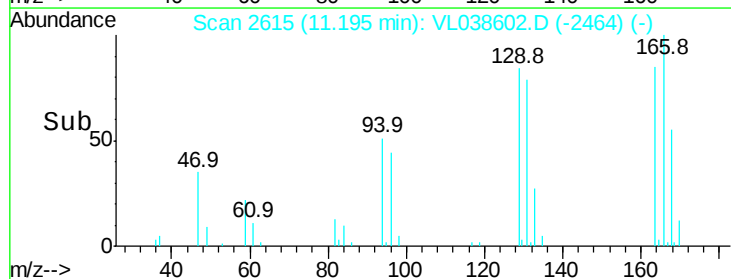
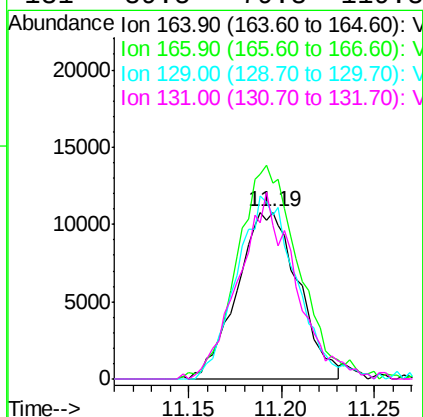
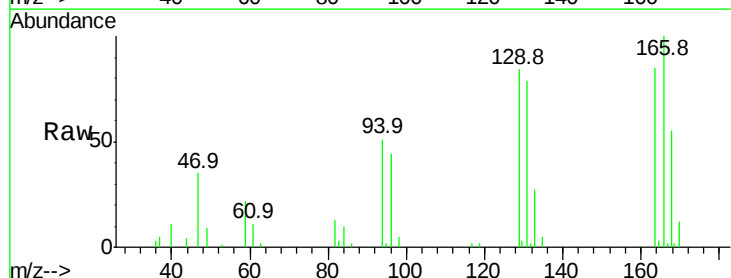
#50
 4-Methyl-2-Pentanone
 Concen: 0.30 ppbv
 RT: 8.74 Instrument: MSVOA_1
 Delta R.T.: ClientSampleId:
 Lab File: LOD-MDL-AIR-01-QT1-2022
 Acq: 14 Mar 2022 18:52

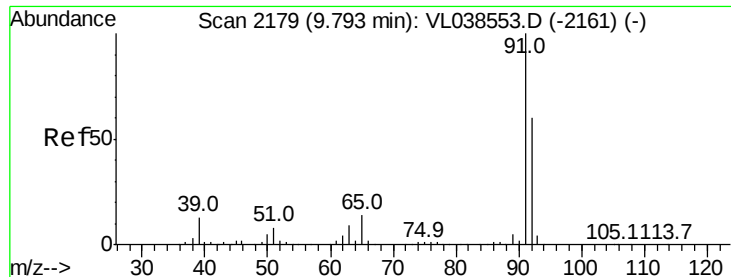
Tgt Ion: 43 Resp: 31441
 Ion Ratio Lower Upper
 43 100
 58 32.9 29.2 43.8



#52
 Tetrachloroethene
 Concen: 0.37 ppbv
 RT: 11.19 min Scan# 2615
 Delta R.T. -0.02 min
 Lab File: VL038602.D
 Acq: 14 Mar 2022 18:52

Tgt Ion: 164 Resp: 24718
 Ion Ratio Lower Upper
 164 100
 166 110.2 103.4 155.2
 129 99.0 81.3 121.9
 131 89.5 79.8 119.8





#53

Toluene

Concen: 0.31 ppbv

RT: 9.77 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

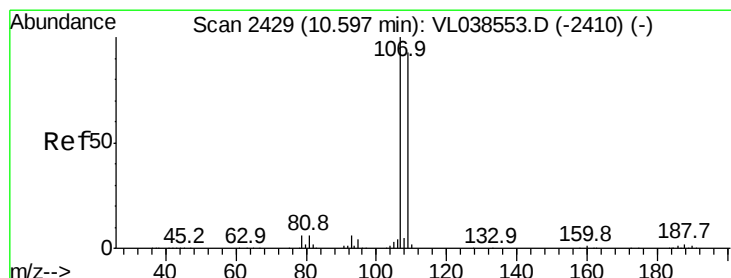
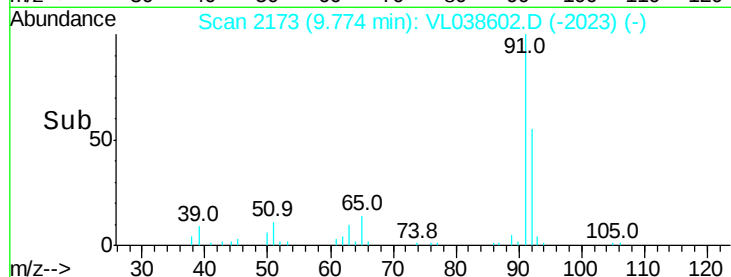
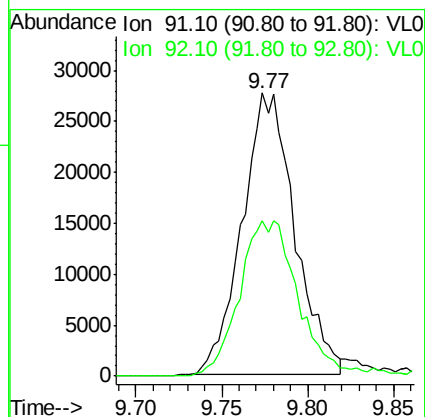
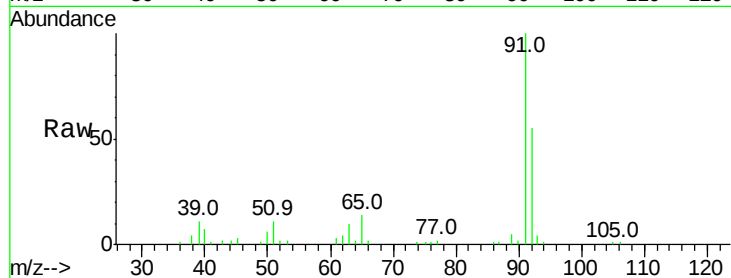
Acq: 14 Mar 2022 18:52 LOD-MDL-AIR-01-QT1-2022

Tgt Ion: 91 Resp: 58878

Ion Ratio Lower Upper

91 100

92 62.2 48.1 72.1



#54

1,2-Dibromoethane

Concen: 0.19 ppbv

RT: 10.58 min Scan# 2423

Delta R.T. -0.02 min

Lab File: VL038602.D

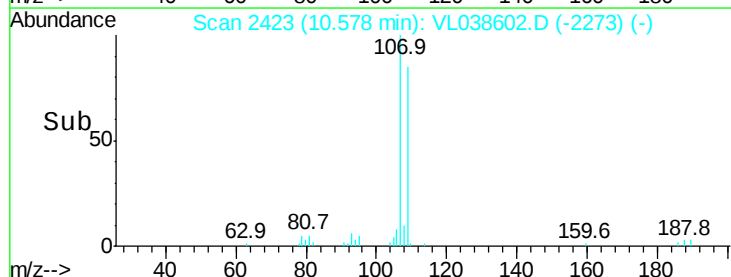
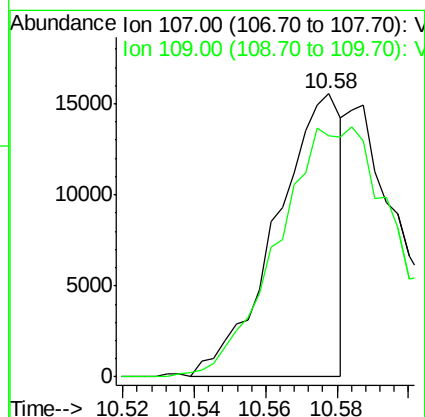
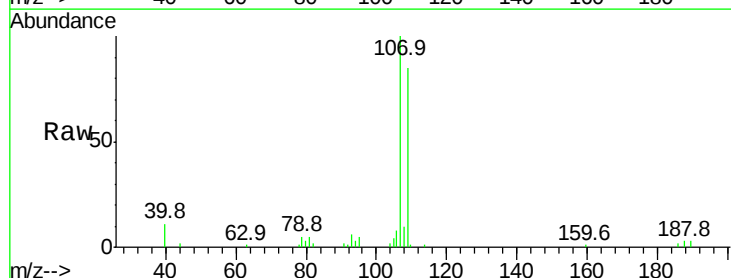
Acq: 14 Mar 2022 18:52

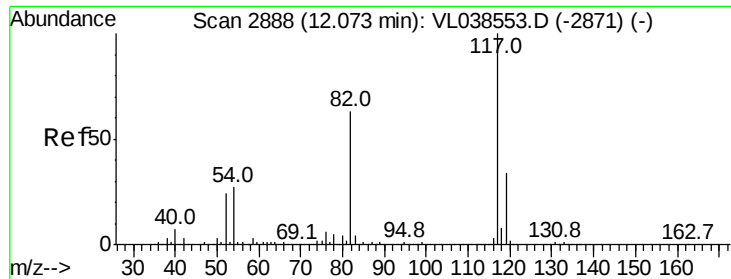
Tgt Ion: 107 Resp: 19678

Ion Ratio Lower Upper

107 100

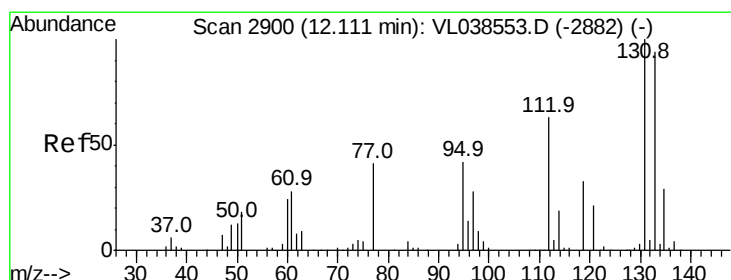
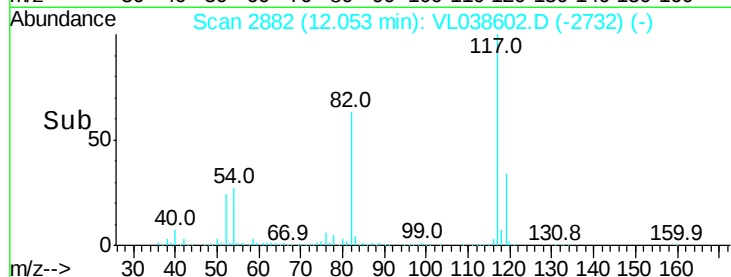
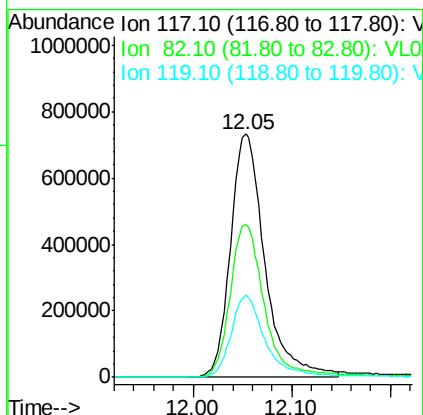
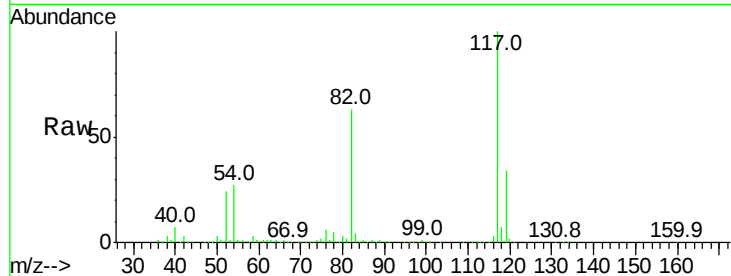
109 85.3 74.6 112.0





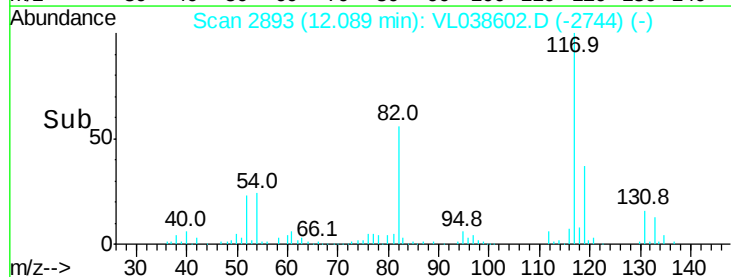
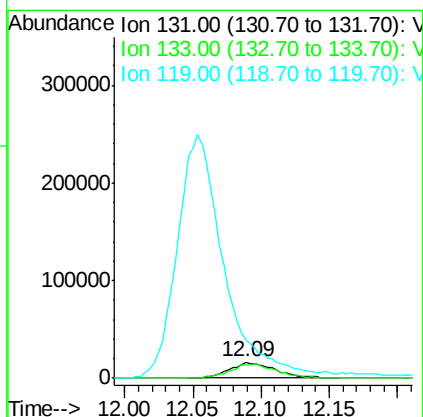
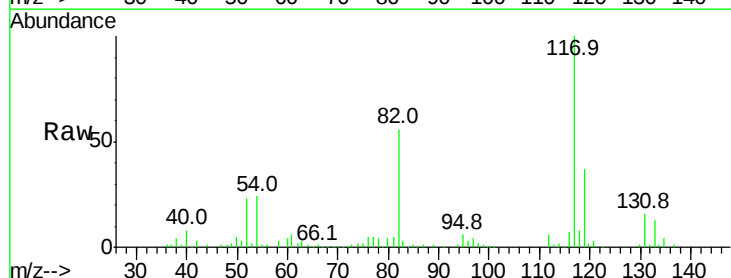
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.05 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Mar 2022 18:52

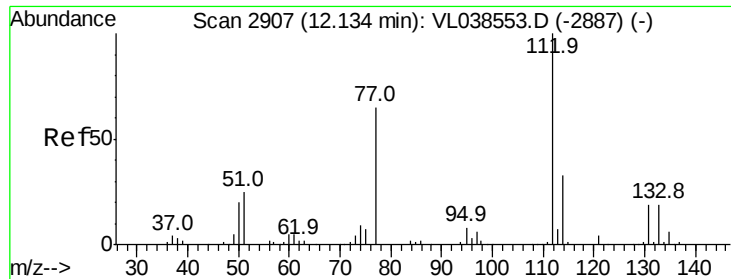
Tgt Ion:117 Resp: 1779622
Ion Ratio Lower Upper
117 100
82 64.6 52.5 78.7
119 35.1 46.4 69.6#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.51 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.02 min
Lab File: VL038602.D
Acq: 14 Mar 2022 18:52

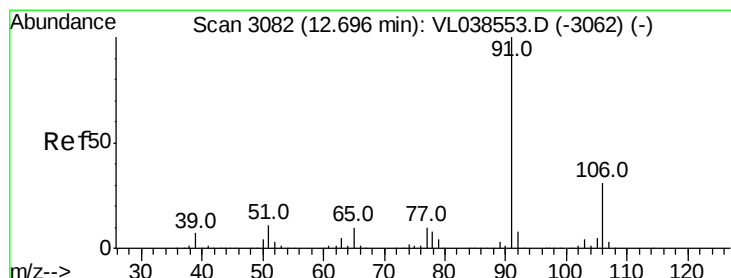
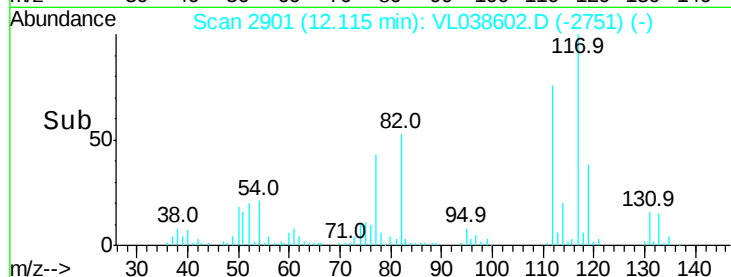
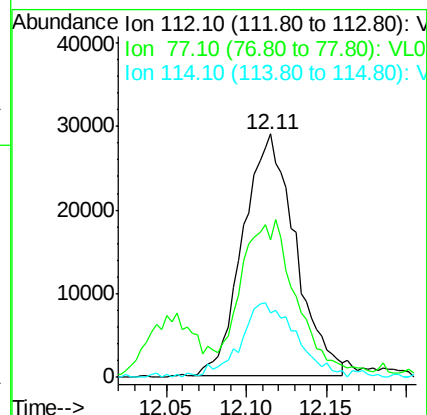
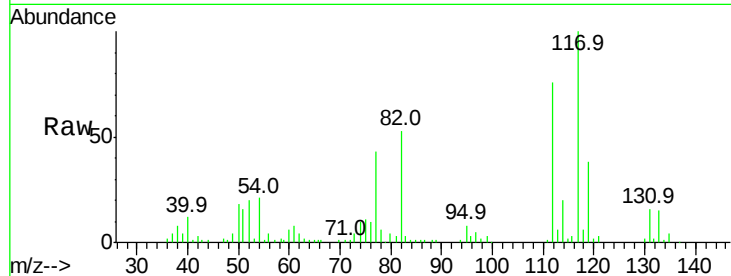
Tgt Ion:131 Resp: 36980
Ion Ratio Lower Upper
131 100
133 92.3 78.0 117.0
119 1672.2 53.1 79.7#





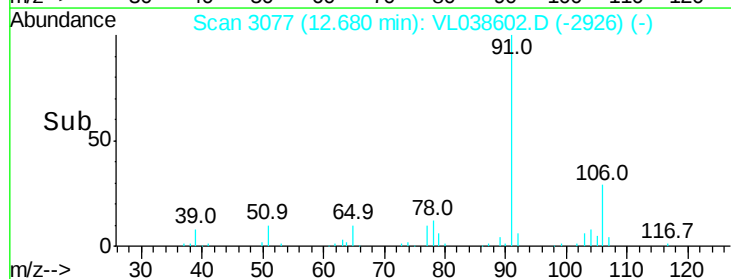
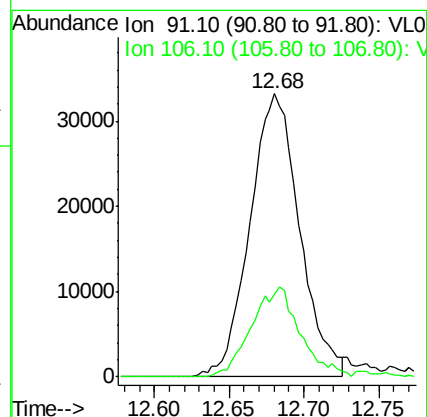
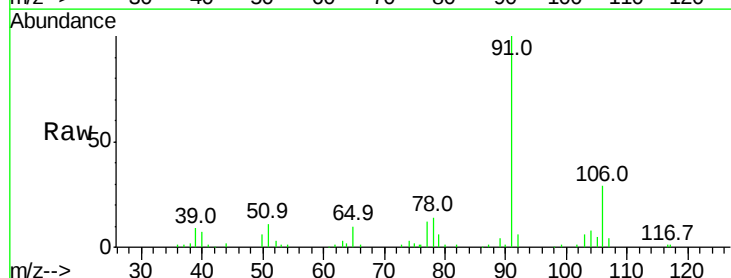
#57
Chlorobenzene
Concen: 0.48 ppbv
RT: 12.11 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Mar 2022 18:52
LOD-MDL-AIR-01-QT1-2022

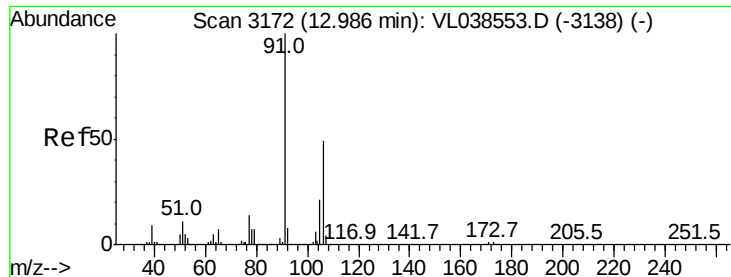
Tgt Ion: 112 Resp: 65027
Ion Ratio Lower Upper
112 100
77 51.5 52.5 78.7#
114 25.7 30.0 36.6#



#58
Ethyl Benzene
Concen: 0.33 ppbv
RT: 12.68 min Scan# 3077
Delta R.T.: -0.02 min
Lab File: VL038602.D
Acq: 14 Mar 2022 18:52

Tgt Ion: 91 Resp: 76690
Ion Ratio Lower Upper
91 100
106 29.1 24.6 37.0





#59

m/p-Xylene

Concen: 0.39 ppbv

RT: 12.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

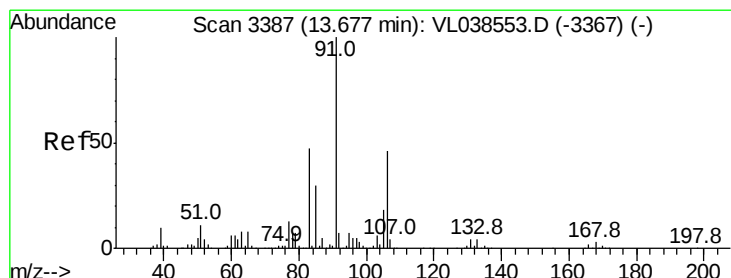
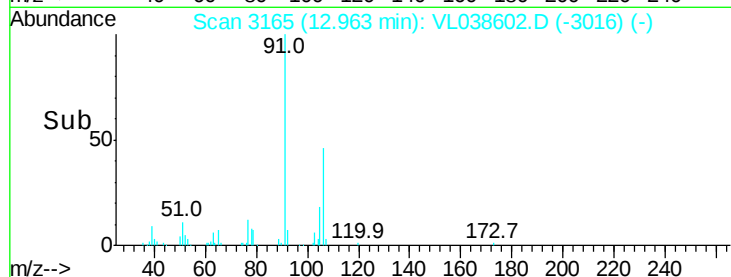
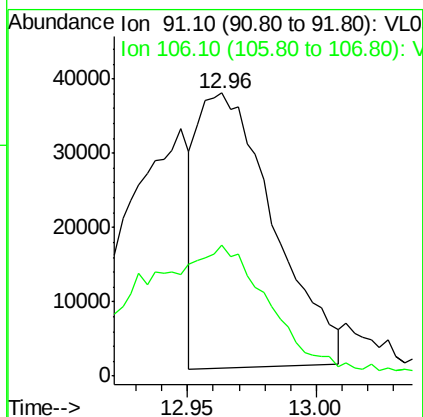
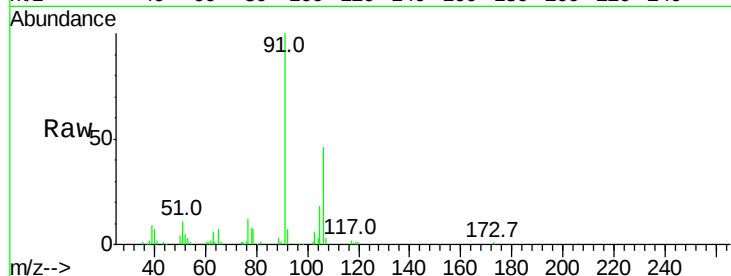
Acq: 14 Mar 2022 18:52

Tgt Ion: 91 Resp: 75947

Ion Ratio Lower Upper

91 100

106 86.4 37.1 55.7#



#60

o-Xylene

Concen: 0.36 ppbv

RT: 13.66 min Scan# 3381

Delta R.T. -0.02 min

Lab File: VL038602.D

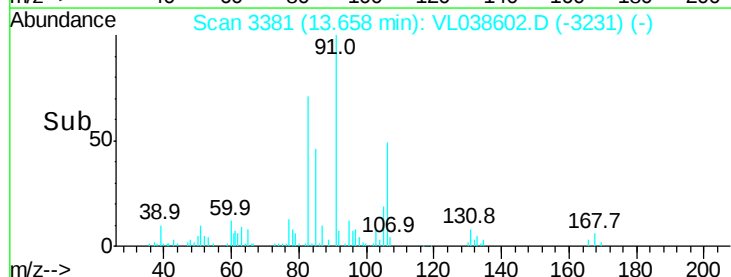
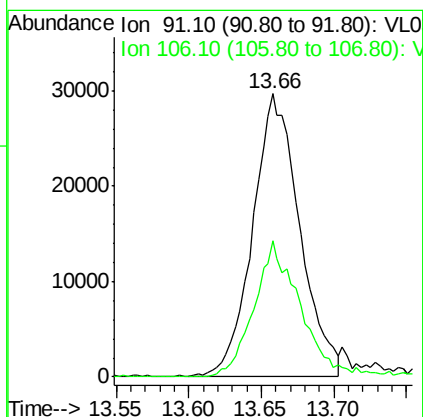
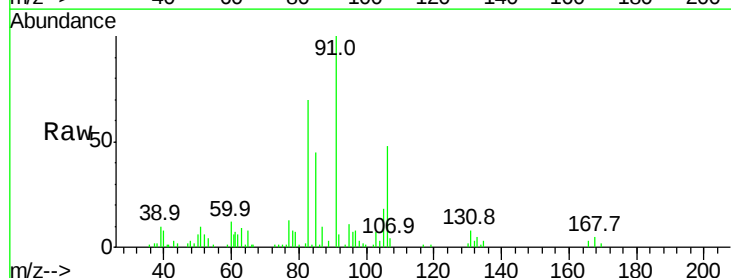
Acq: 14 Mar 2022 18:52

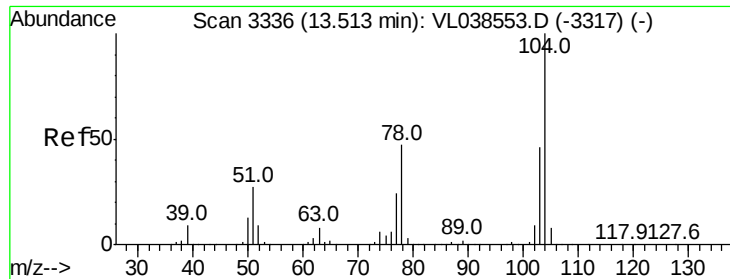
Tgt Ion: 91 Resp: 66913

Ion Ratio Lower Upper

91 100

106 48.3 23.5 70.6





#61

Styrene

Concen: 0.26 ppbv

RT: 13.49

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 18:52

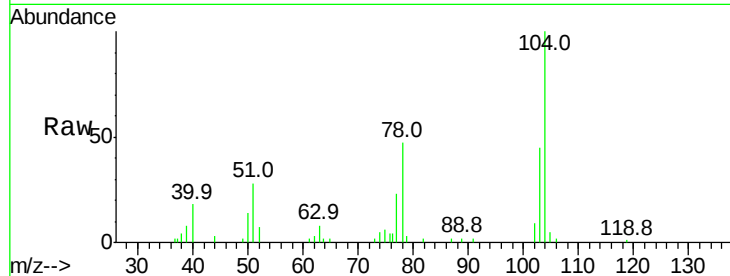
Tgt Ion:104 Resp: 23683

Ion Ratio Lower Upper

104 100

78 53.7 39.0 58.4

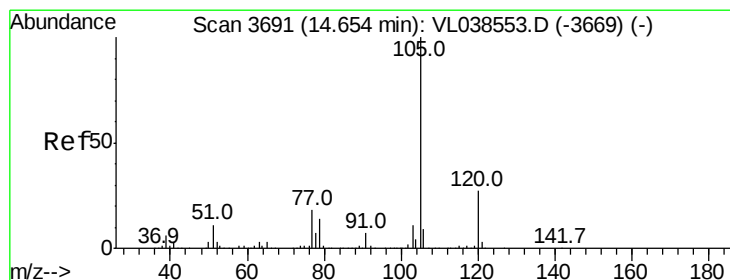
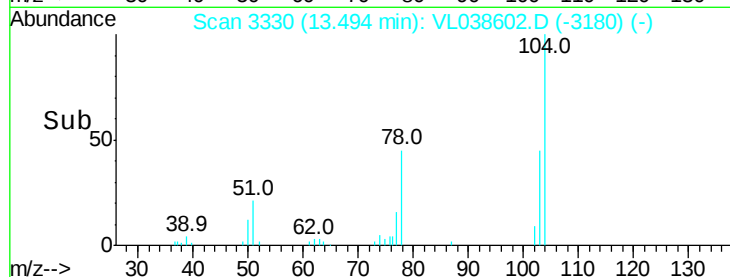
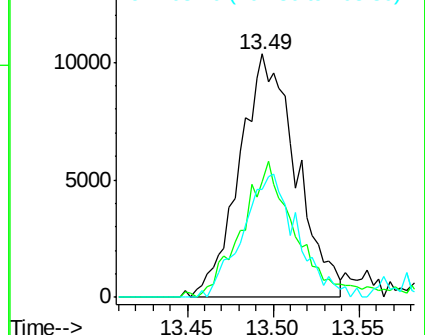
103 48.9 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.40 ppbv

RT: 14.64 min Scan# 3685

Delta R.T. -0.02 min

Lab File: VL038602.D

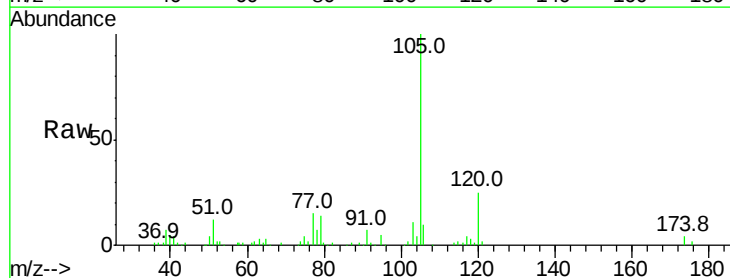
Acq: 14 Mar 2022 18:52

Tgt Ion:105 Resp: 103101

Ion Ratio Lower Upper

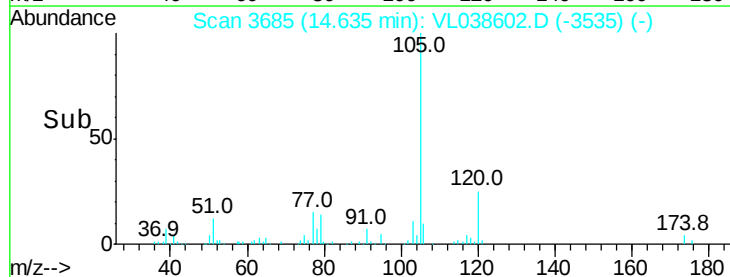
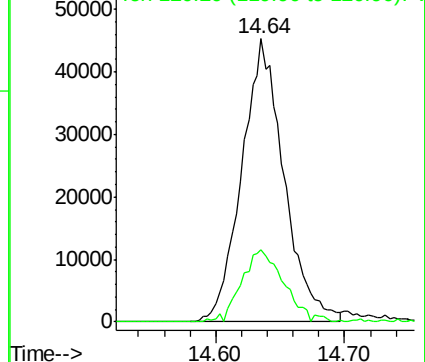
105 100

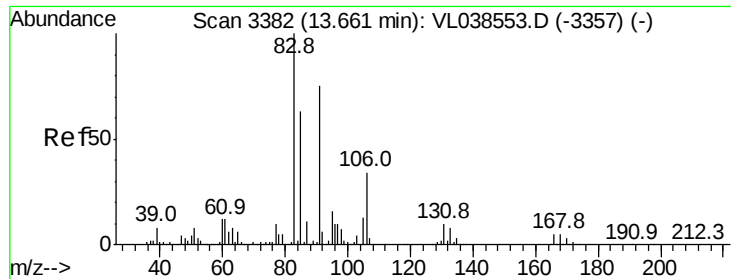
120 25.6 21.2 31.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 0.43 ppbv

RT: 13.64

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 18:52

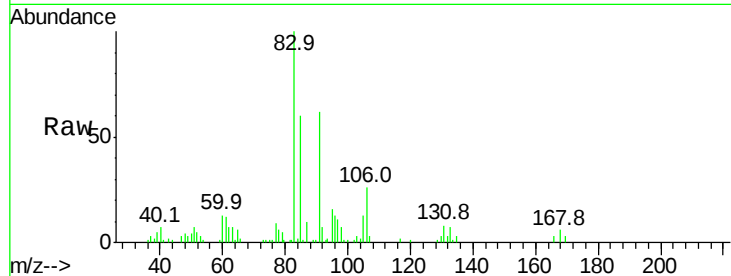
Tgt Ion: 83 Resp: 67611

Ion Ratio Lower Upper

83 100

131 9.9 4.7 14.1

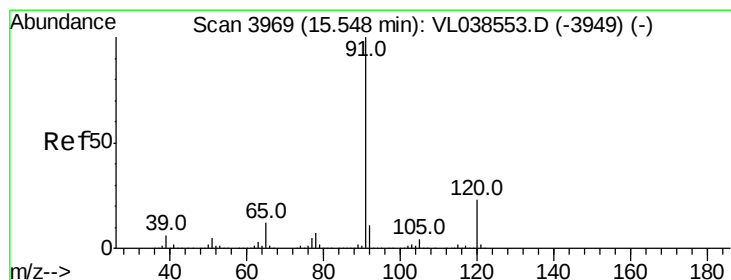
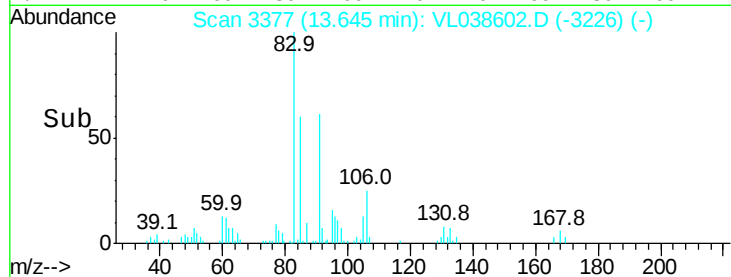
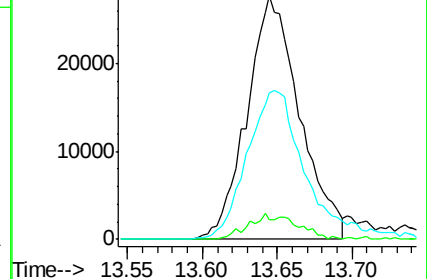
85 68.8 32.6 98.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.21 ppbv

RT: 15.53 min Scan# 3964

Delta R.T. -0.02 min

Lab File: VL038602.D

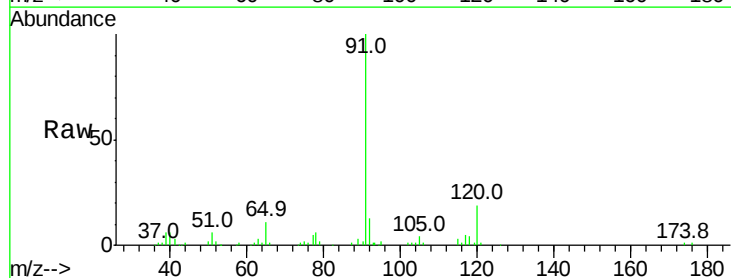
Acq: 14 Mar 2022 18:52

Tgt Ion: 120 Resp: 13581

Ion Ratio Lower Upper

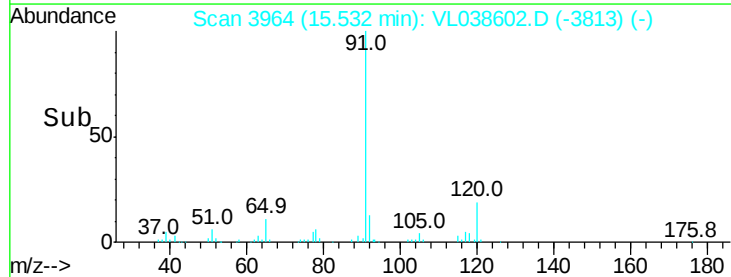
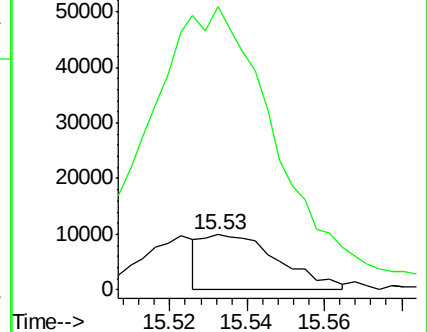
120 100

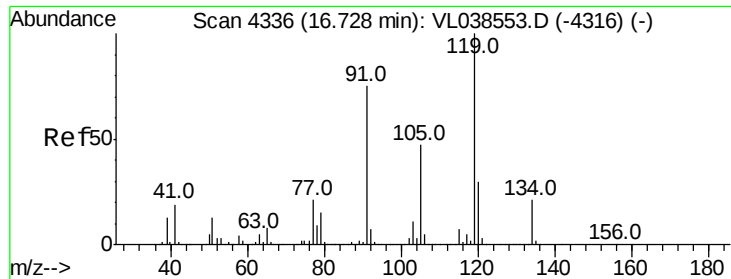
91 959.2 374.2 561.2#



Abundance Ion 120.20 (119.90 to 120.90): VL0

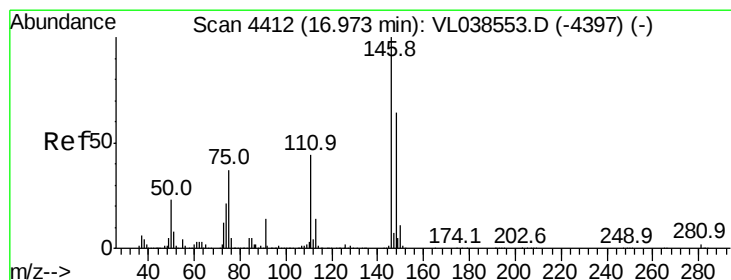
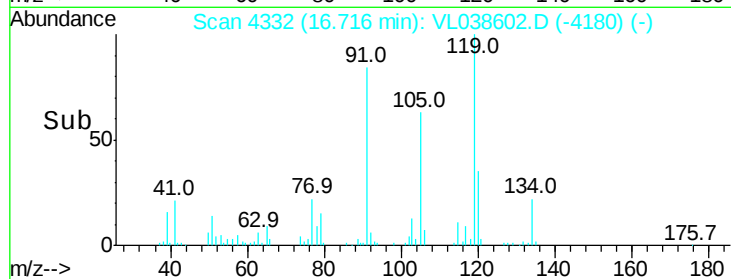
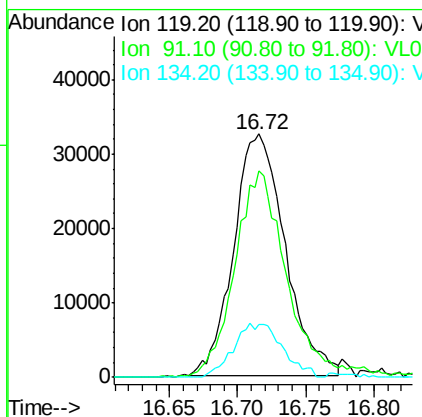
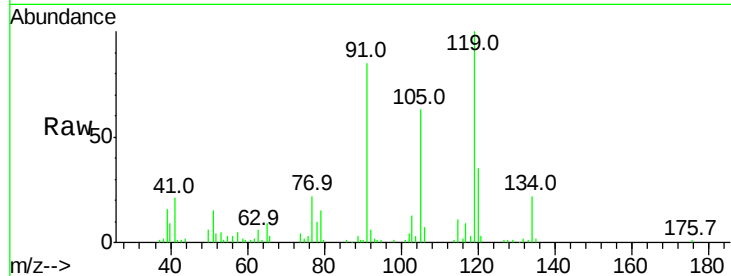
Ion 91.10 (90.80 to 91.80): VL0





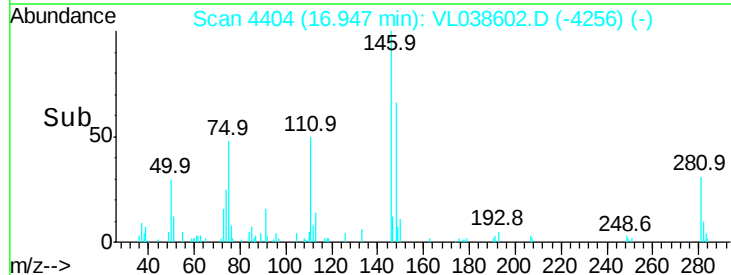
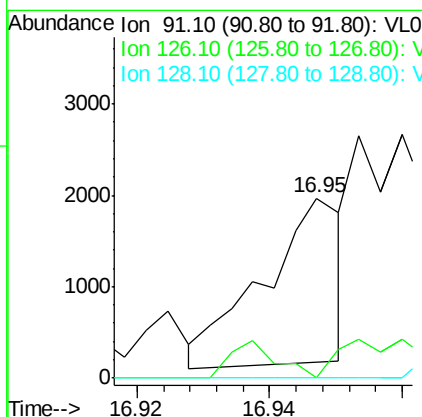
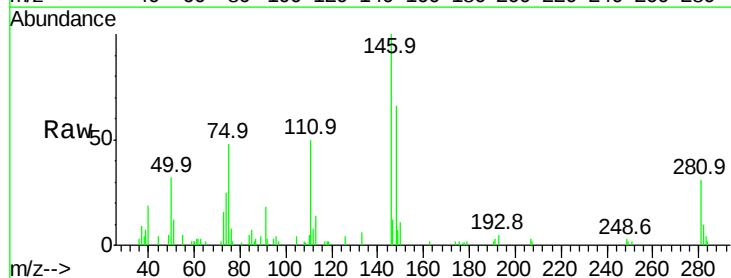
#65
 tert-Butylbenzene
 Concen: 0.37 ppbv
 RT: 16.72 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 14 Mar 2022 18:52

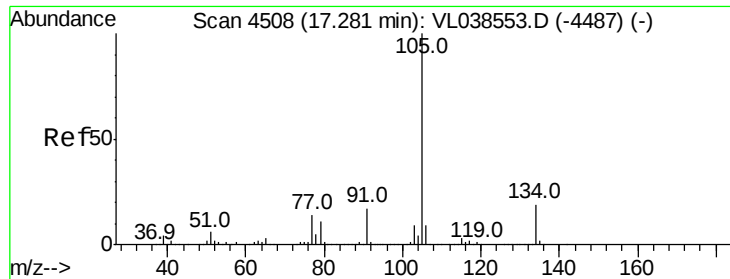
Tgt Ion:	119	Resp:	85619
Ion	Ratio	Lower	Upper
119	100		
91	86.6	61.2	91.8
134	21.9	16.2	24.2



#66
 Benzyl Chloride
 Concen: 0.11 ppbv
 RT: 16.95 min Scan# 4404
 Delta R.T.: -0.03 min
 Lab File: VL038602.D
 Acq: 14 Mar 2022 18:52

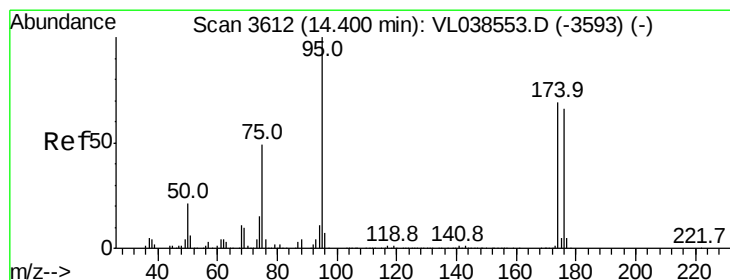
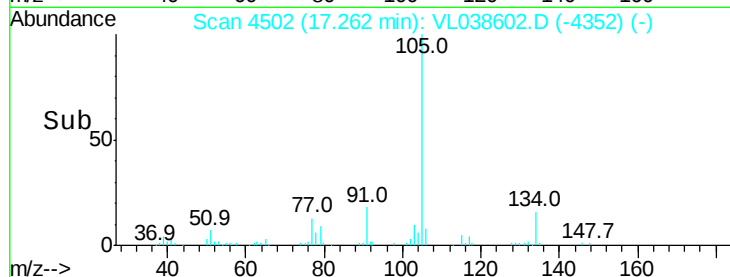
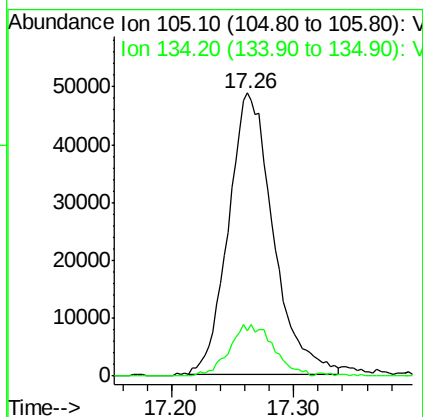
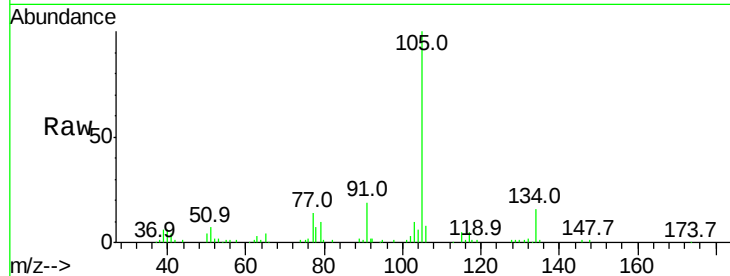
Tgt Ion:	91	Resp:	1496
Ion	Ratio	Lower	Upper
91	100		
126	13.0	14.1	21.1#
128	0.0	5.1	7.7#





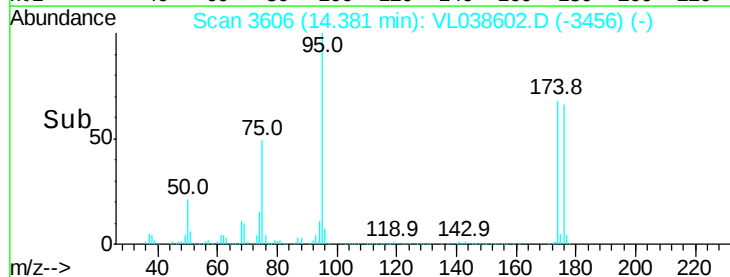
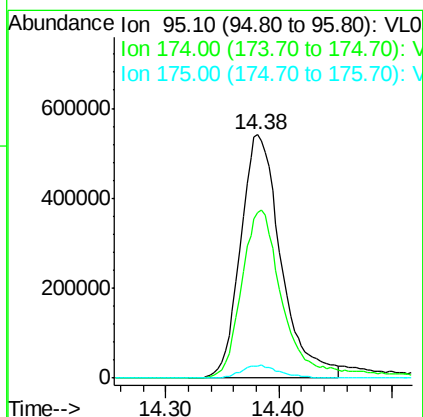
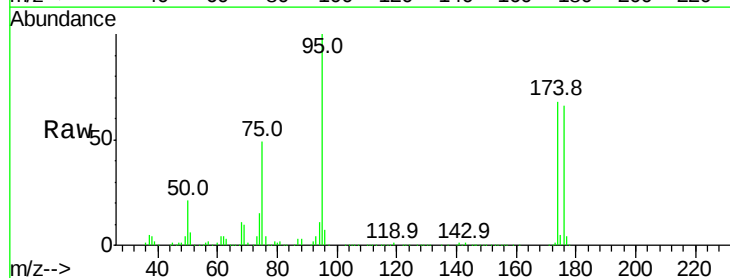
#67
 sec-Butylbenzene
 Concen: 0.38 ppbv
 RT: 17.26
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 LOD-MDL-AIR-01-QT1-2022
 Acq: 14 Mar 2022 18:52

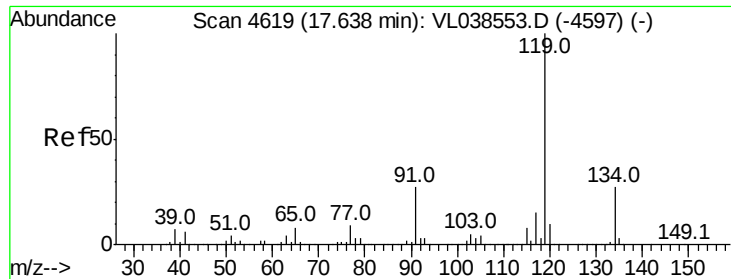
Tgt Ion: 105 Resp: 123754
 Ion Ratio Lower Upper
 105 100
 134 18.5 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.97 ppbv
 RT: 14.38 min Scan# 3606
 Delta R.T. -0.02 min
 Lab File: VL038602.D
 Acq: 14 Mar 2022 18:52

Tgt Ion: 95 Resp: 1349393
 Ion Ratio Lower Upper
 95 100
 174 73.3 56.2 84.4
 175 5.2 4.2 6.2





#69

p-Isopropyltoluene

Concen: 0.17 ppbv

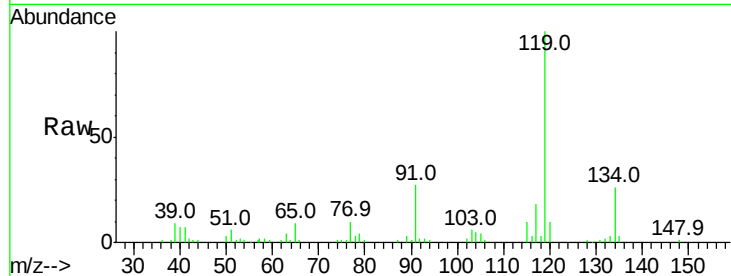
RT: 17.62

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 18:52

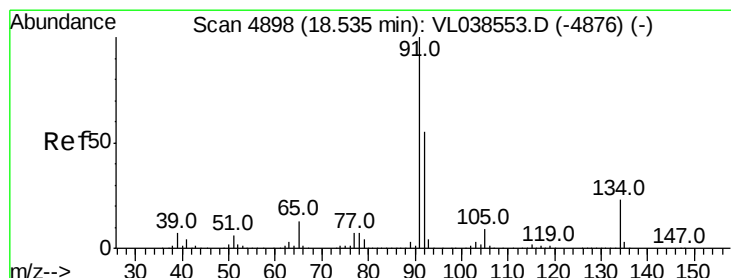
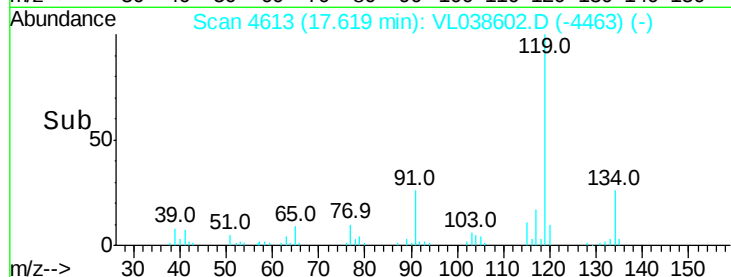
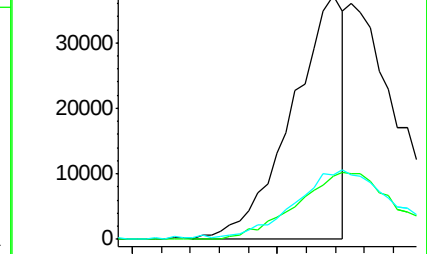
Tgt Ion:	119	Resp:	45713
Ion Ratio	Lower	Upper	
119	100		
134	0.0	20.9	31.3#
91	0.0	21.1	31.7#



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 0.15 ppbv

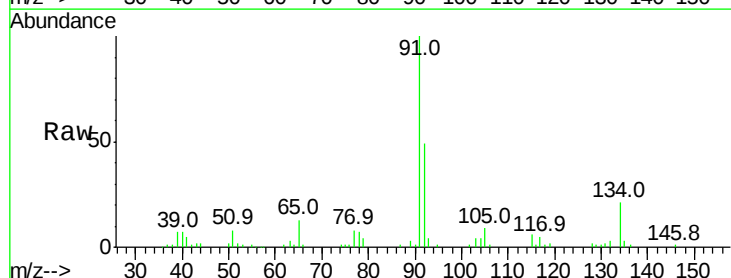
RT: 18.52 min Scan# 4892

Delta R.T. -0.02 min

Lab File: VL038602.D

Acq: 14 Mar 2022 18:52

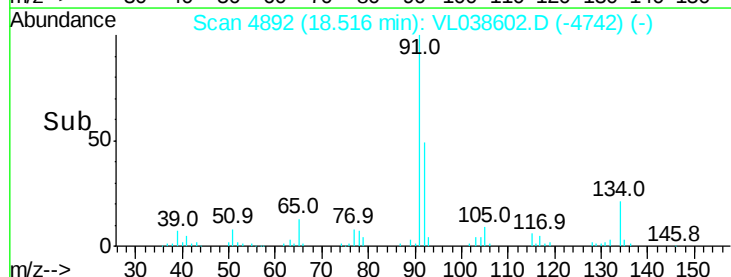
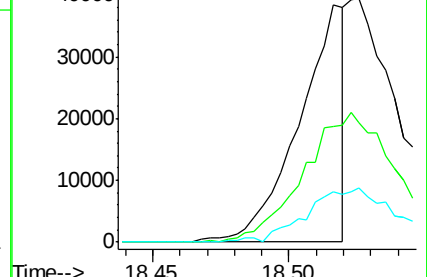
Tgt Ion:	91	Resp:	44136
Ion Ratio	Lower	Upper	
91	100		
92	0.0	43.8	65.8#
134	0.0	18.7	28.1#

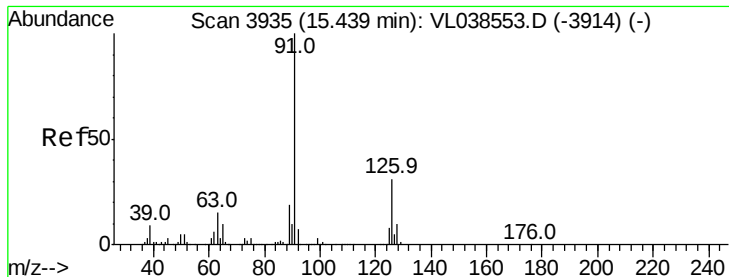


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 0.37 ppbv

RT: 15.42

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

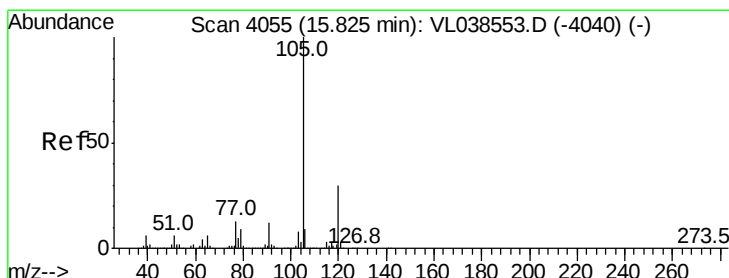
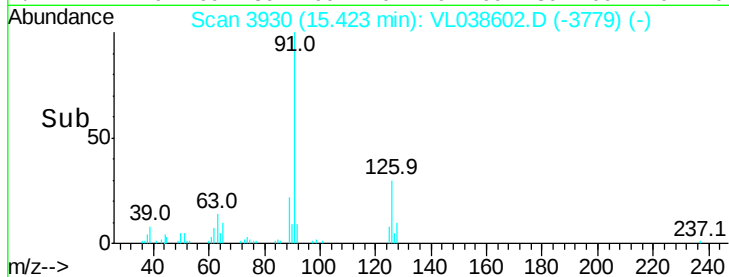
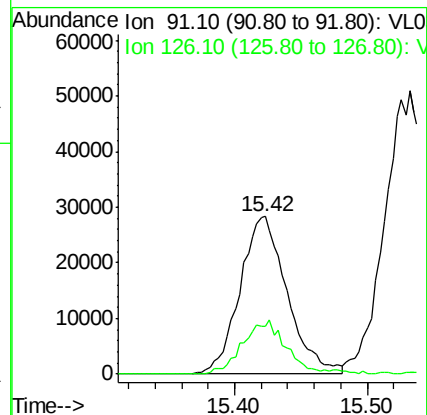
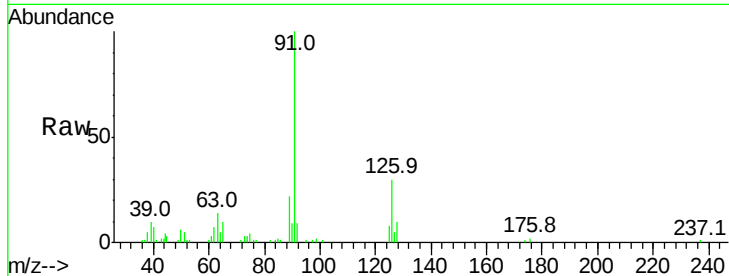
Acq: 14 Mar 2022 18:52

Tgt Ion: 91 Resp: 70129

Ion Ratio Lower Upper

91 100

126 32.2 12.9 51.7



#72

4-Ethyltoluene

Concen: 0.34 ppbv

RT: 15.81 min Scan# 4050

Delta R.T. -0.02 min

Lab File: VL038602.D

Acq: 14 Mar 2022 18:52

Tgt Ion: 105 Resp: 73029

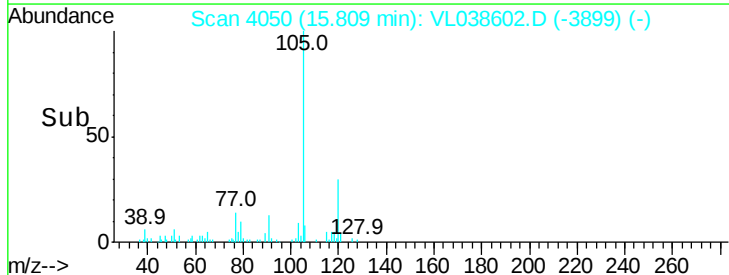
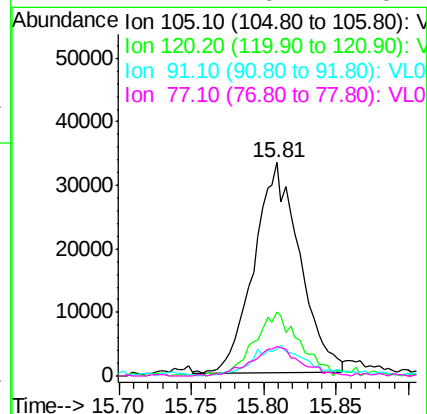
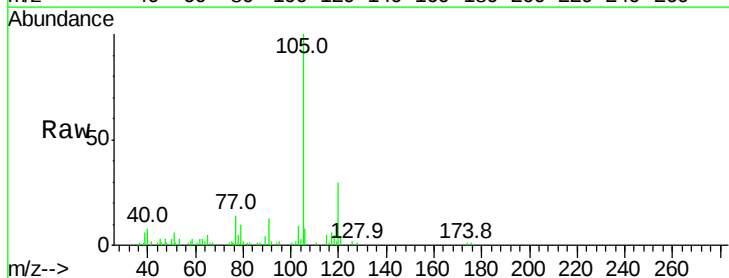
Ion Ratio Lower Upper

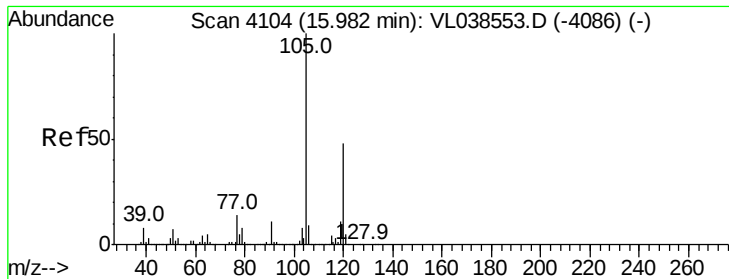
105 100

120 32.2 25.0 37.4

91 18.2 9.8 14.6#

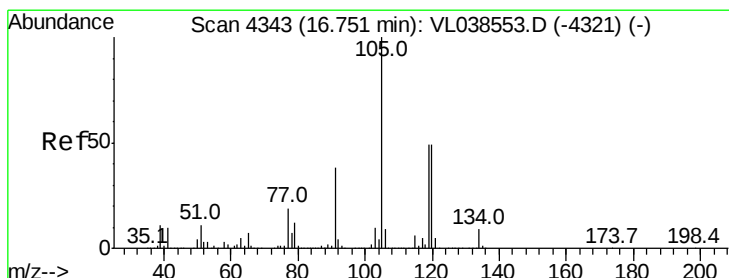
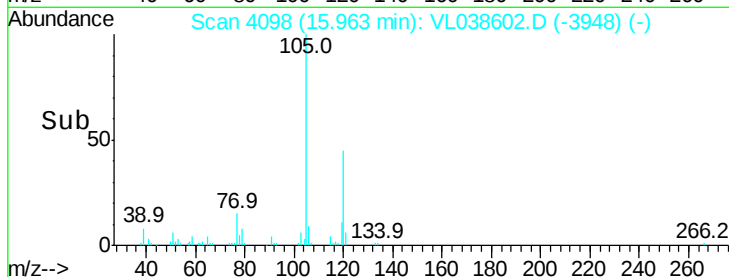
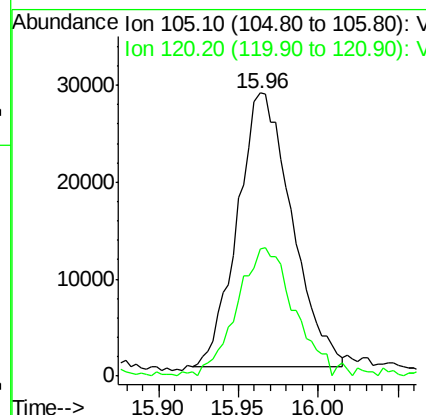
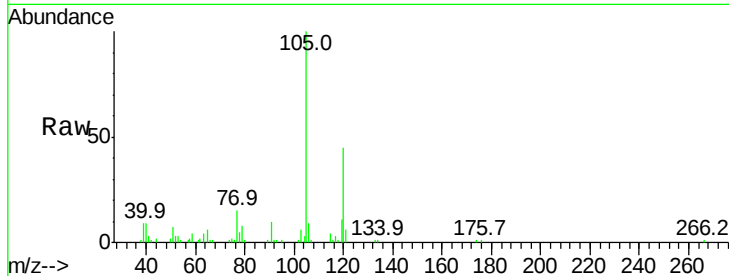
77 14.7 10.7 16.1





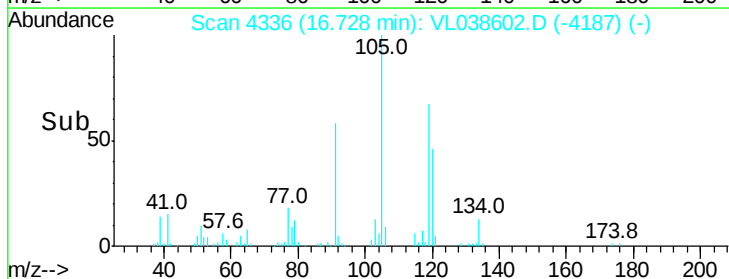
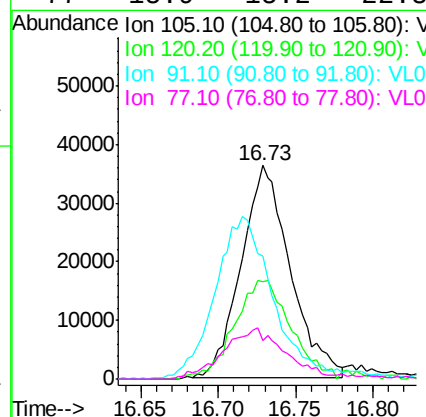
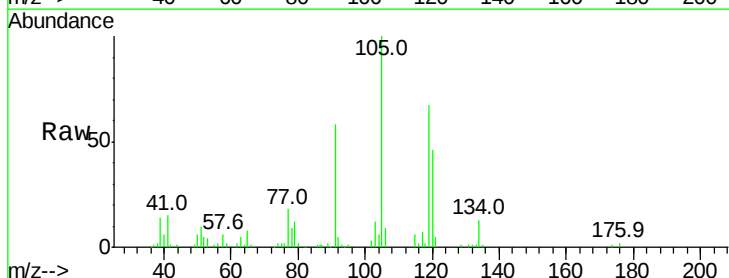
#73
 1,3,5-Trimethylbenzene
 Concen: 0.33 ppbv
 RT: 15.96
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 14 Mar 2022 18:52

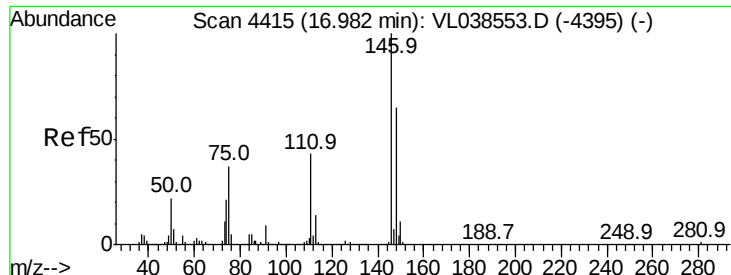
Tgt Ion:105 Resp: 65648
 Ion Ratio Lower Upper
 105 100
 120 44.9 38.3 57.5



#74
 1,2,4-Trimethylbenzene
 Concen: 0.38 ppbv
 RT: 16.73 min Scan# 4336
 Delta R.T. -0.02 min
 Lab File: VL038602.D
 Acq: 14 Mar 2022 18:52

Tgt Ion:105 Resp: 79767
 Ion Ratio Lower Upper
 105 100
 120 43.3 38.9 58.3
 91 54.8 30.6 46.0#
 77 15.9 15.2 22.8





#75

1,3-Dichlorobenzene

Concen: 0.20 ppbv

RT: 16.96

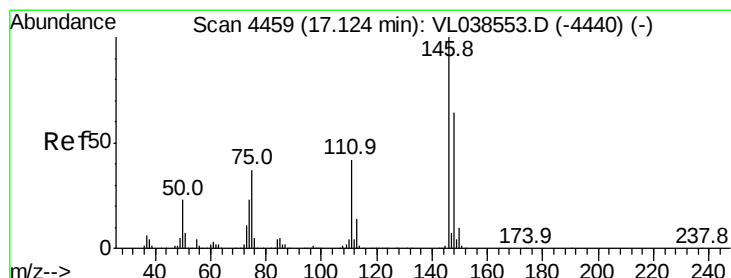
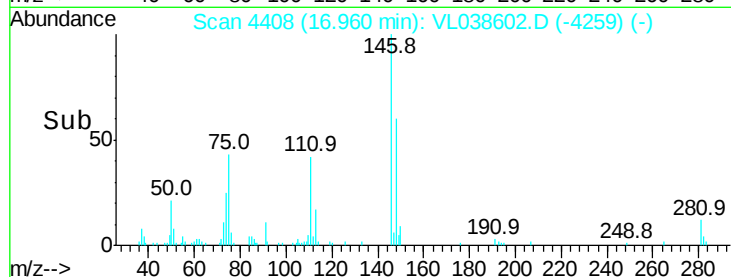
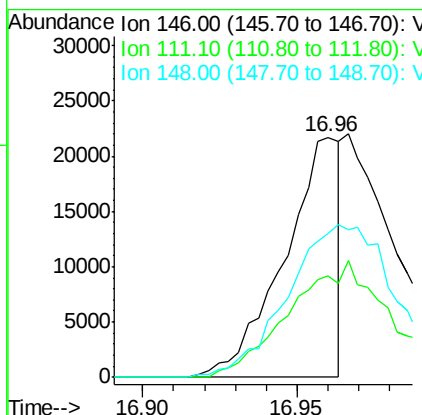
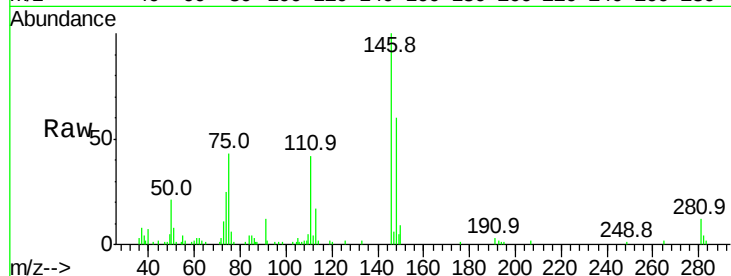
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 18:52

Tgt Ion:146 Resp: 27127

Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.9	65.8#
148	134.7	32.2	96.6#



#76

1,4-Dichlorobenzene

Concen: 0.15 ppbv

RT: 17.10 min Scan# 4451

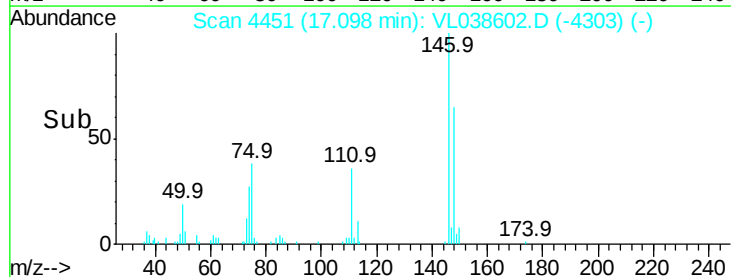
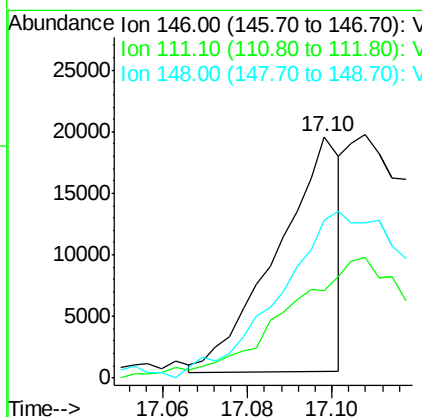
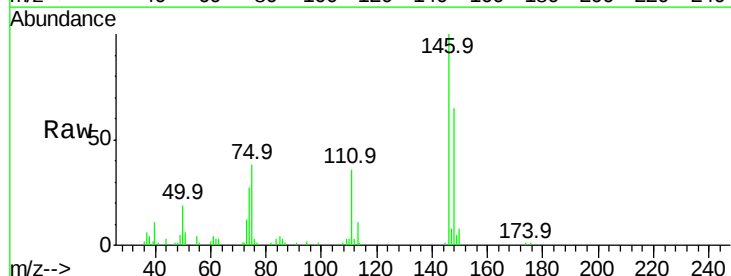
Delta R.T. -0.03 min

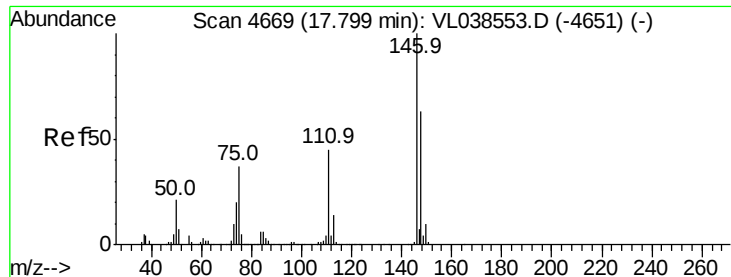
Lab File: VL038602.D

Acq: 14 Mar 2022 18:52

Tgt Ion:146 Resp: 19935

Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.8	65.3#
148	183.5	32.8	98.4#





#77

1,2-Dichlorobenzene

Concen: 0.19 ppbv

RT: 17.78

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 18:52

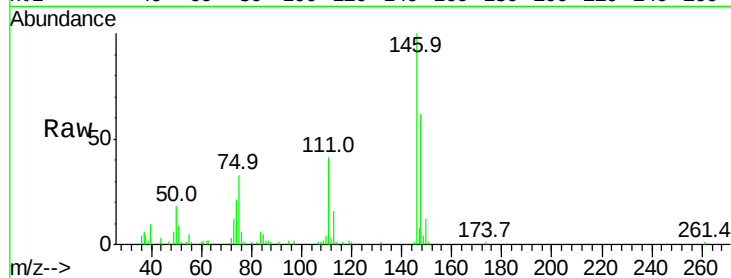
Tgt Ion:146 Resp: 25344

Ion Ratio Lower Upper

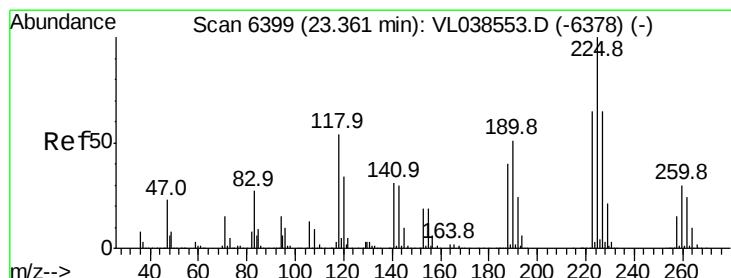
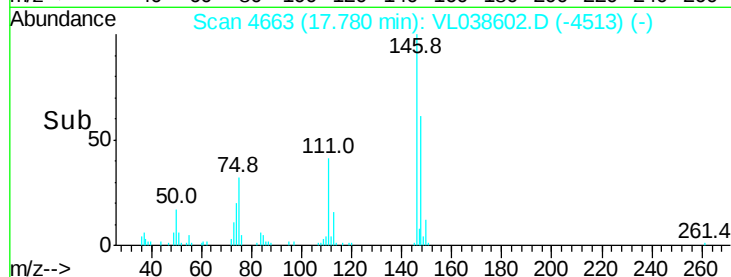
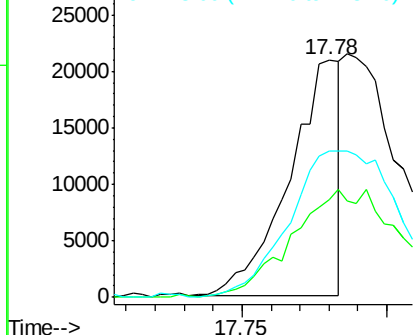
146 100

111 0.0 23.2 69.5#

148 0.0 32.6 98.0#



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



#78

Hexachloro-1,3-Butadiene

Concen: 0.48 ppbv

RT: 23.34 min Scan# 6392

Delta R.T. -0.02 min

Lab File: VL038602.D

Acq: 14 Mar 2022 18:52

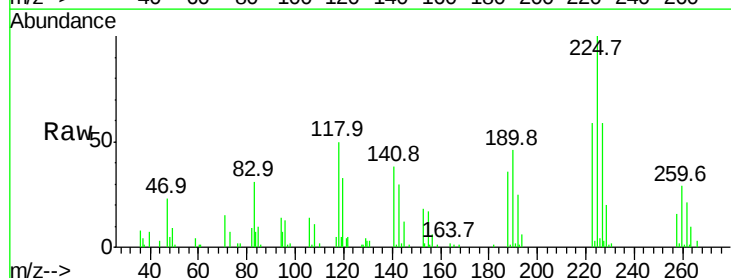
Tgt Ion:225 Resp: 63786

Ion Ratio Lower Upper

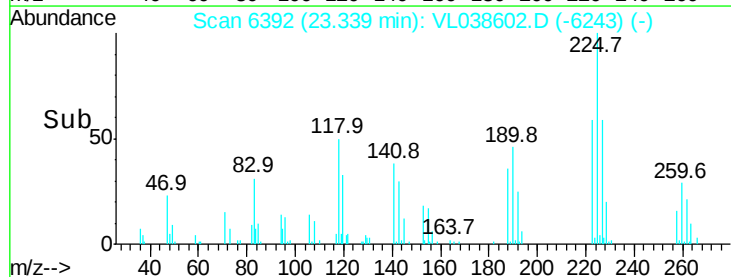
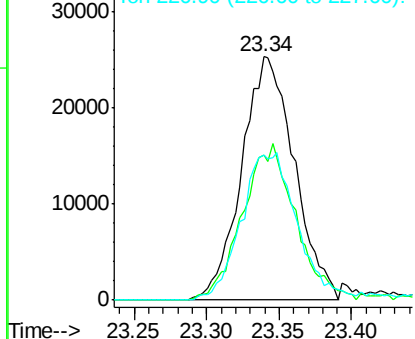
225 100

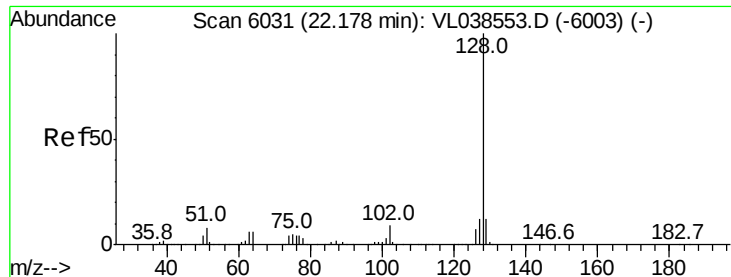
223 64.9 51.4 77.0

227 65.7 51.9 77.9



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.13 ppbv

RT: 22.16

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 18:52

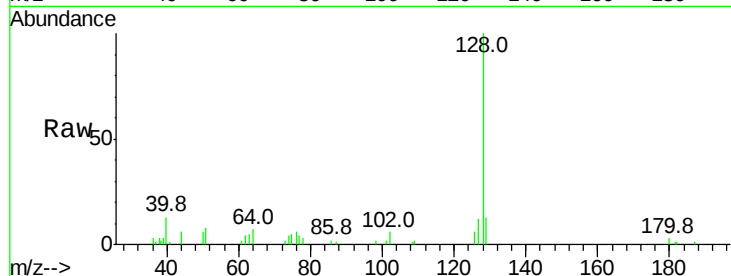
Tgt Ion:128 Resp: 25062

Ion Ratio Lower Upper

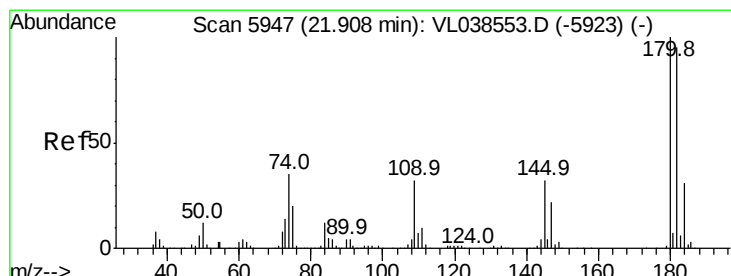
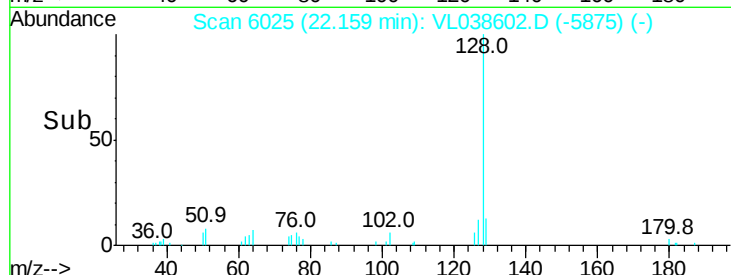
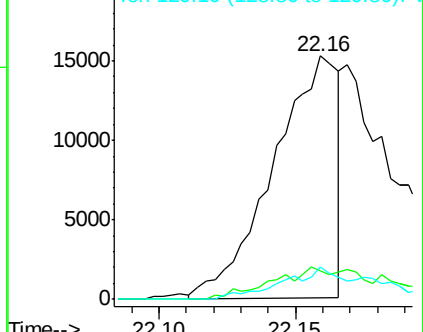
128 100

127 9.9 9.9 14.9#

129 13.4 9.3 13.9



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#81

1,2,4-Trichlorobenzene

Concen: 0.14 ppbv

RT: 21.89 min Scan# 5940

Delta R.T. -0.02 min

Lab File: VL038602.D

Acq: 14 Mar 2022 18:52

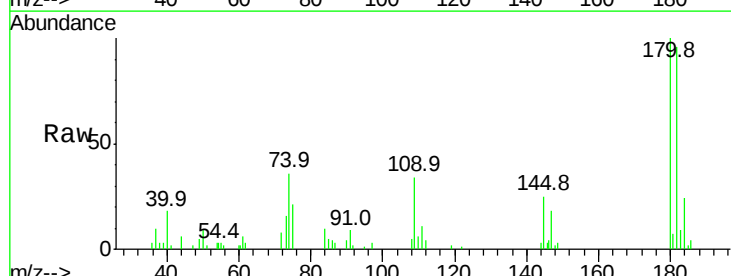
Tgt Ion:180 Resp: 17217

Ion Ratio Lower Upper

180 100

182 0.0 79.1 118.7#

184 0.0 25.0 37.6#



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 184.00 (183.70 to 184.70): V

