

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030122\
 Data File : VL038449.D
 Acq On : 1 Mar 2022 13:37
 Operator : SY/AP
 Sample : N1702-02 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-2

Quant Time: Mar 02 03:03:50 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	814770	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	1876811	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.07	117	1723265	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1392688	9.77	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

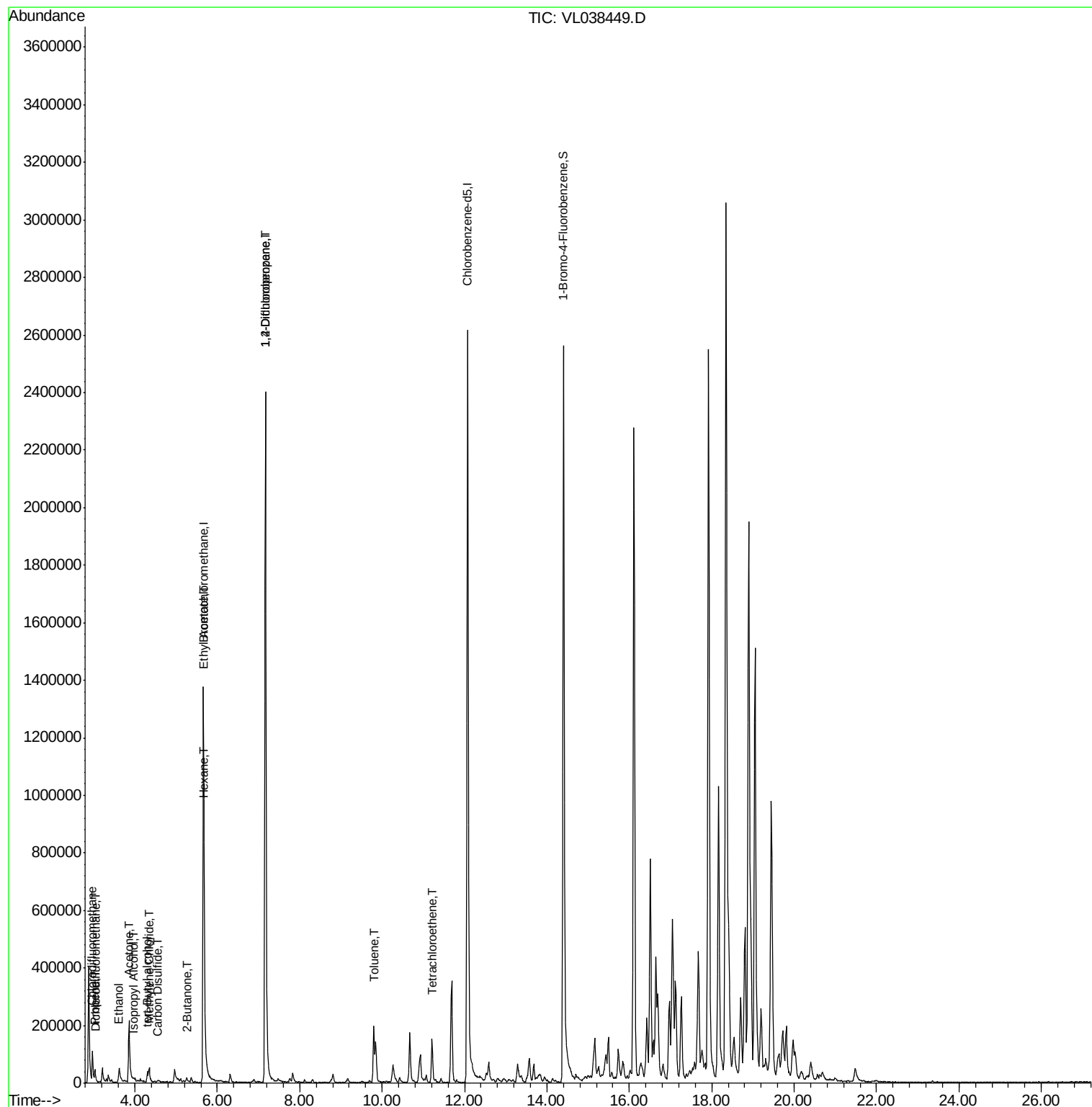
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	6473	0.05	ppbv #	86
3) Chlorodifluoromethane	2.96	51	87923	0.61	ppbv #	61
9) Propene	3.02	41	5627	0.12	ppbv #	7
13) Ethanol	3.62	45	63249	13.34	ppbv	99
15) Acetone	3.85	43	298986	4.32	ppbv	94
17) tert-Butyl alcohol	4.31	59	24362	0.35	ppbv #	71
19) Isopropyl Alcohol	3.97	45	2179	0.05	ppbv #	93
20) Methylene Chloride	4.34	84	13531	0.39	ppbv #	83
25) Ethyl Acetate	5.68	43	8459	0.05	ppbv #	78
26) Hexane	5.69	57	7465	0.09	ppbv #	20
27) Carbon Disulfide	4.55	76	4858	0.05	ppbv #	46
34) 2-Butanone	5.26	43	20220	0.34	ppbv #	77
39) 1,2-Dichloropropane	7.17	63	526998	8.01	ppbv #	25
52) Tetrachloroethene	11.21	164	35188	0.64	ppbv	89
53) Toluene	9.80	91	164333	0.92	ppbv	100

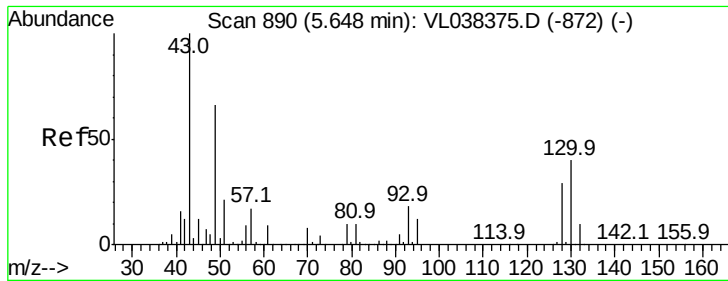
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_L
ClientSampleId :
SVP-2

Quant Time: Mar 02 03:03:50 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 1 Mar 2022 13:37

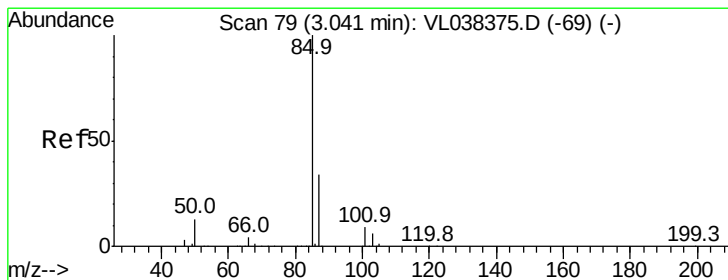
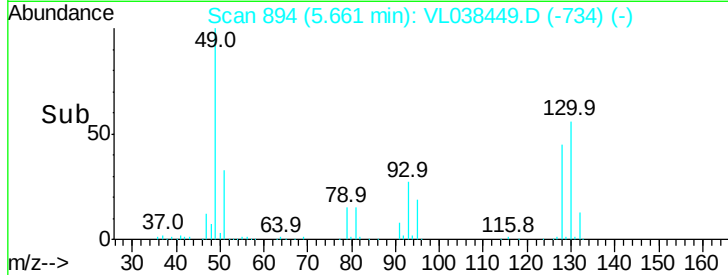
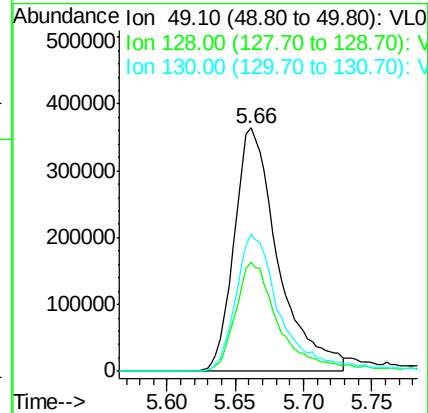
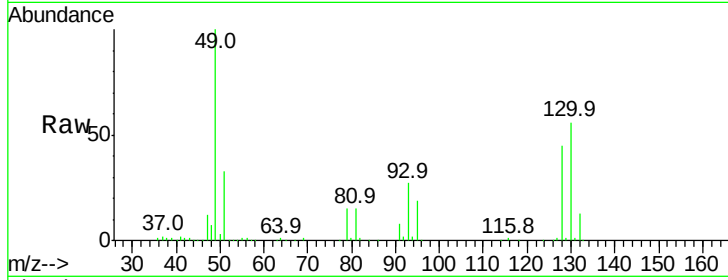
Tgt Ion: 49 Resp: 814770

Ion Ratio Lower Upper

49 100

128 46.7 24.3 72.9

130 59.2 30.1 90.5



#2

Dichlorodifluoromethane

Concen: 0.05 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL038449.D

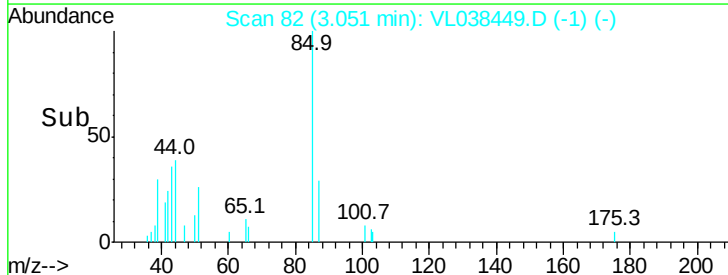
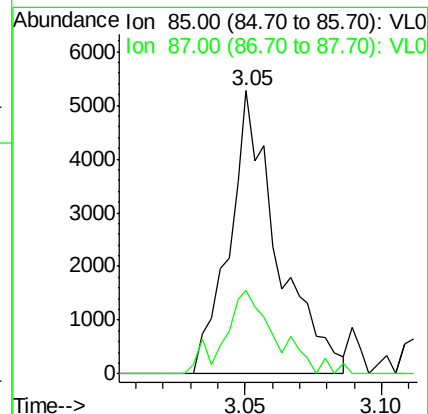
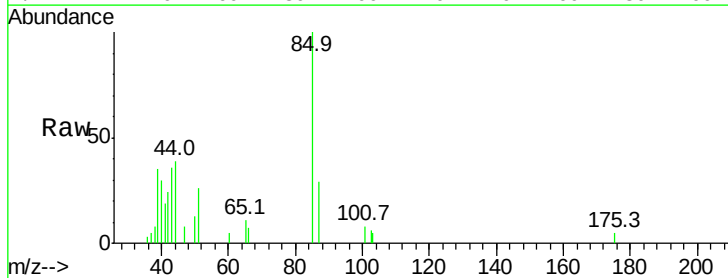
Acq: 1 Mar 2022 13:37

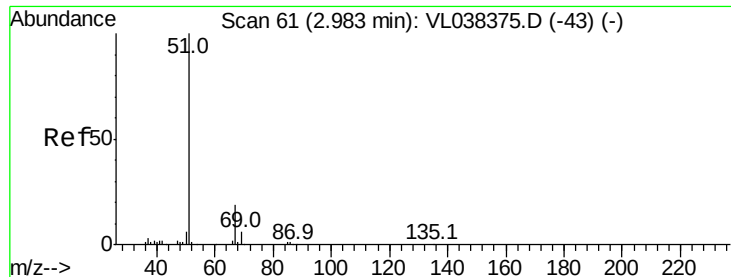
Tgt Ion: 85 Resp: 6473

Ion Ratio Lower Upper

85 100

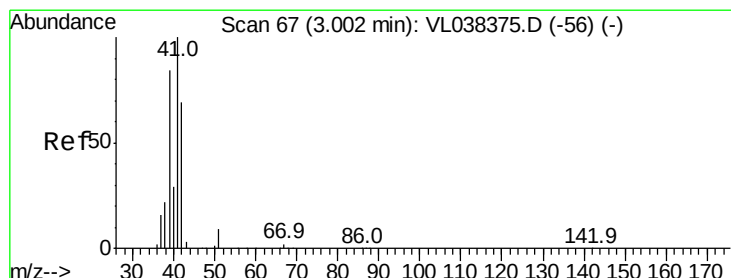
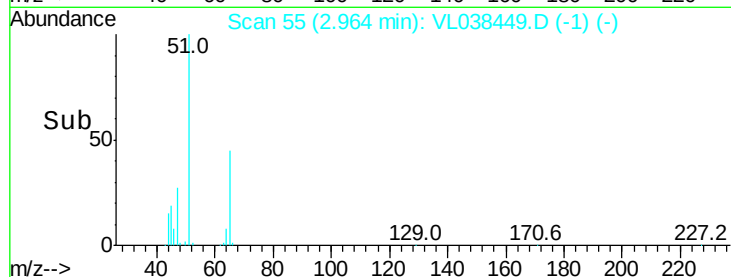
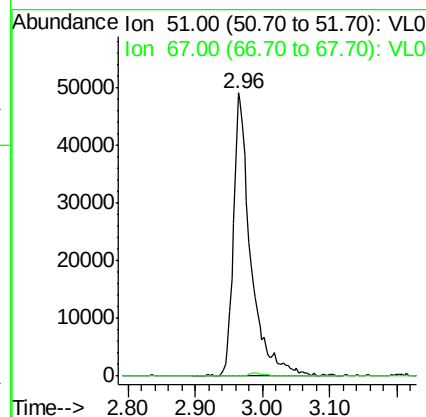
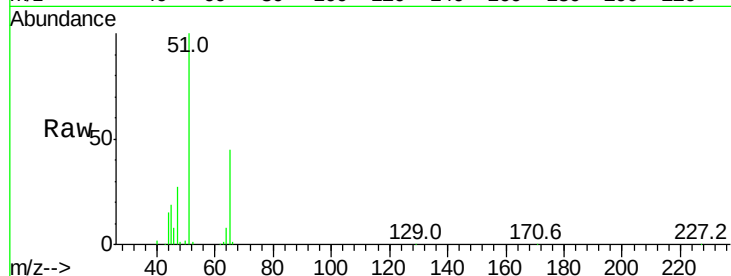
87 26.1 27.4 41.0#





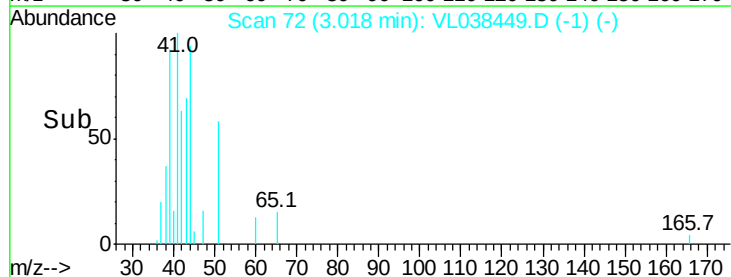
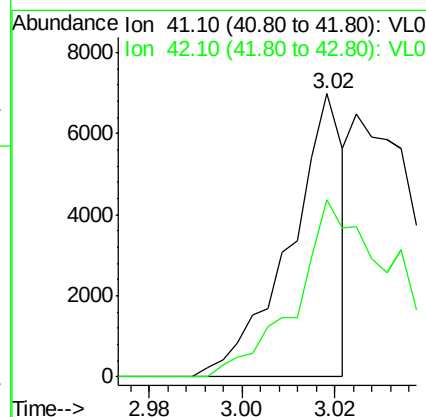
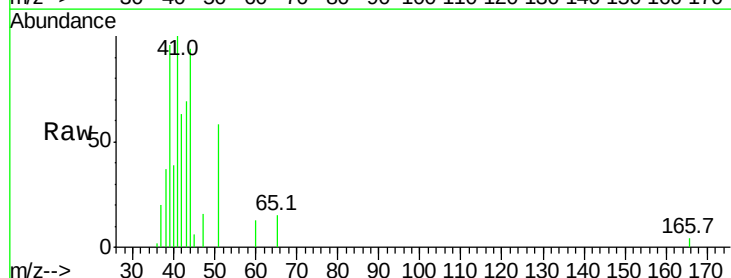
#3
 Chlorodifluoromethane
 Concen: 0.61 ppbv
 RT: 2.96
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 SVP-2
 Acq: 1 Mar 2022 13:37

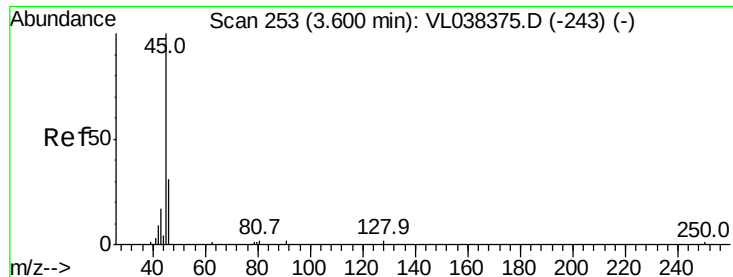
Tgt Ion: 51 Resp: 87923
 Ion Ratio Lower Upper
 51 100
 67 1.0 14.7 22.1#



#9
 Propene
 Concen: 0.12 ppbv
 RT: 3.02 min Scan# 72
 Delta R.T. 0.02 min
 Lab File: VL038449.D
 Acq: 1 Mar 2022 13:37

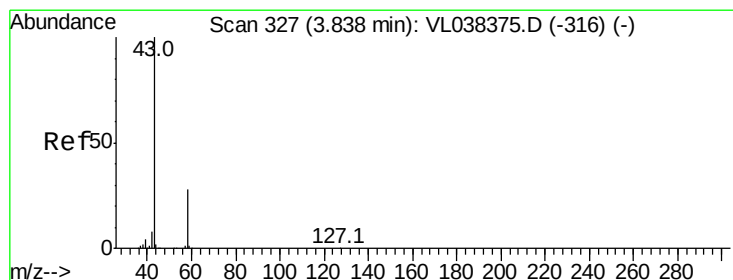
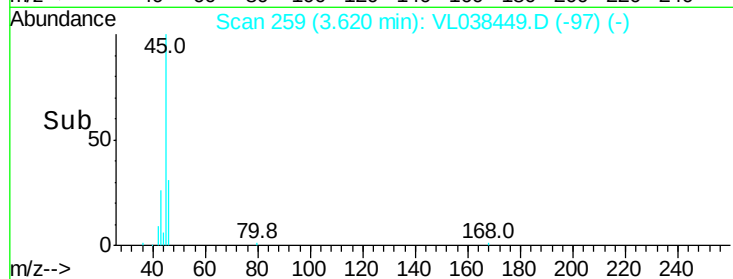
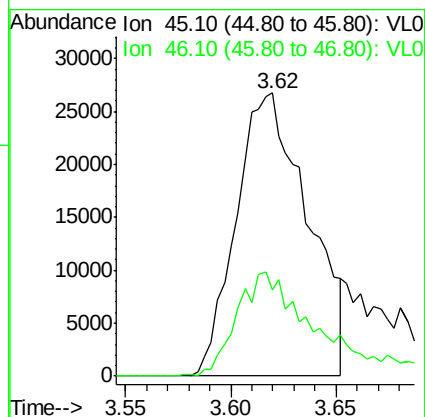
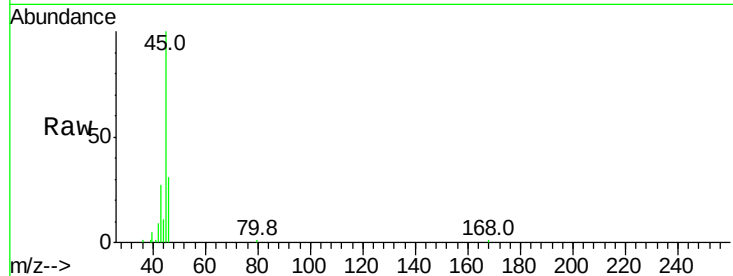
Tgt Ion: 41 Resp: 5627
 Ion Ratio Lower Upper
 41 100
 42 143.5 54.6 82.0#





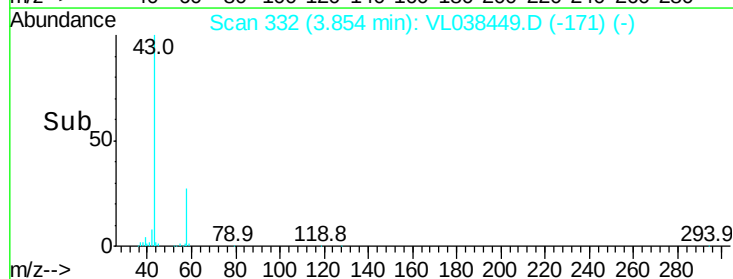
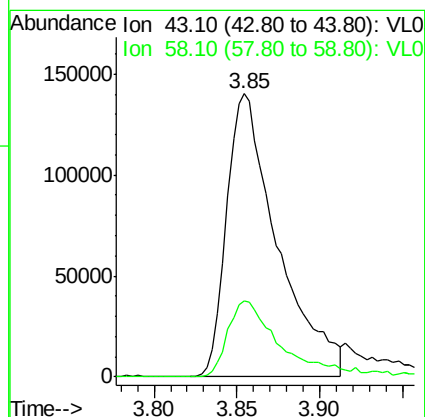
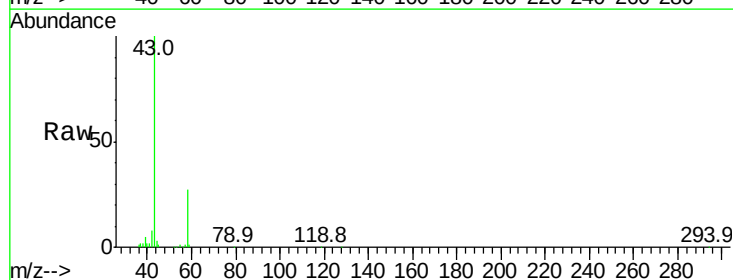
#13
Ethanol
Concen: 13.34 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 1 Mar 2022 13:37

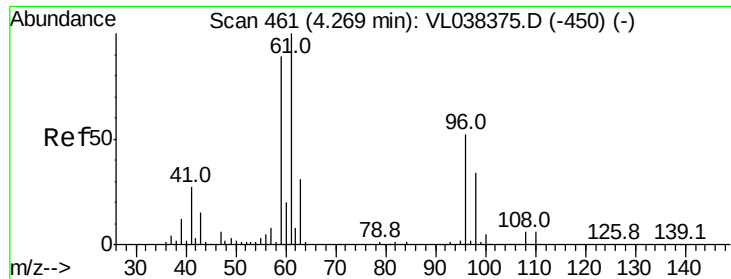
Tgt Ion: 45 Resp: 63249
Ion Ratio Lower Upper
45 100
46 46.4 18.2 72.8



#15
Acetone
Concen: 4.32 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.02 min
Lab File: VL038449.D
Acq: 1 Mar 2022 13:37

Tgt Ion: 43 Resp: 298986
Ion Ratio Lower Upper
43 100
58 30.1 21.7 32.5





#17

tert-Butyl alcohol

Concen: 0.35 ppbv

RT: 4.31 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

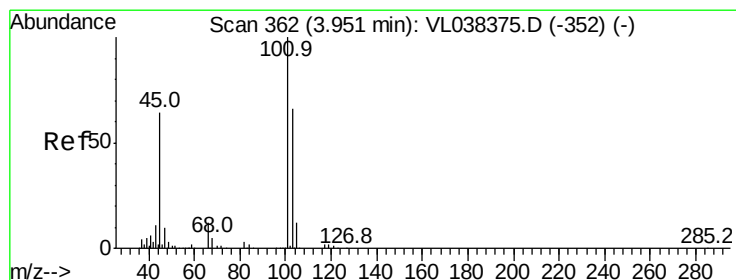
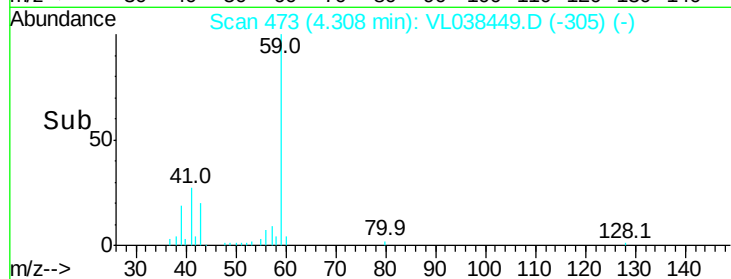
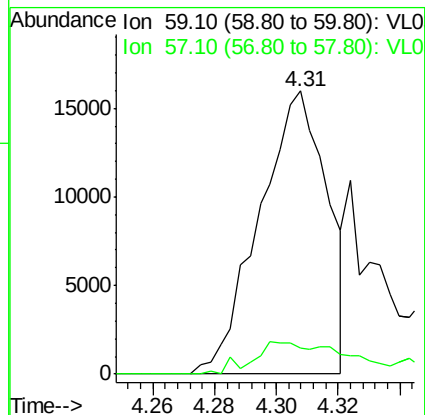
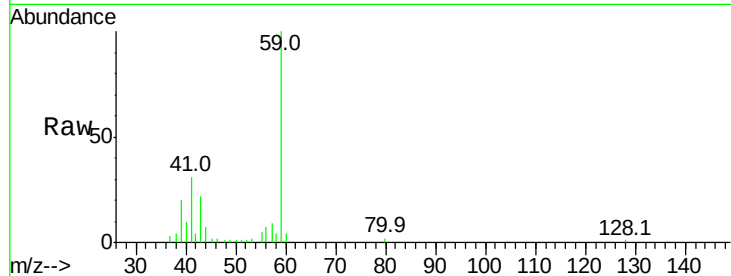
Acq: 1 Mar 2022 13:37

Tgt Ion: 59 Resp: 24362

Ion Ratio Lower Upper

59 100

57 21.3 8.4 12.6#



#19

Isopropyl Alcohol

Concen: 0.05 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.02 min

Lab File: VL038449.D

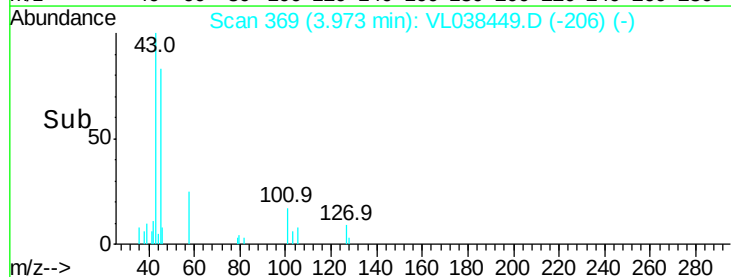
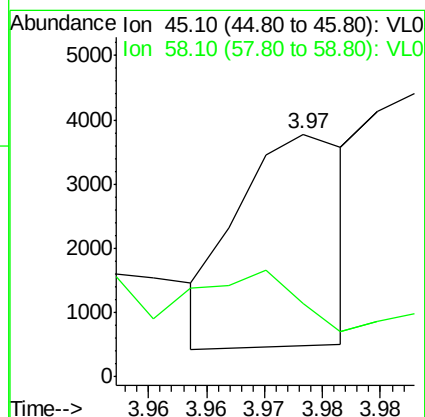
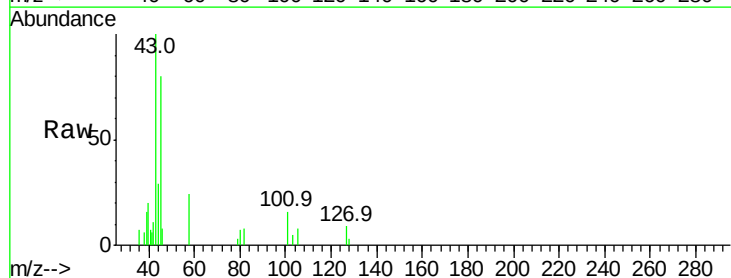
Acq: 1 Mar 2022 13:37

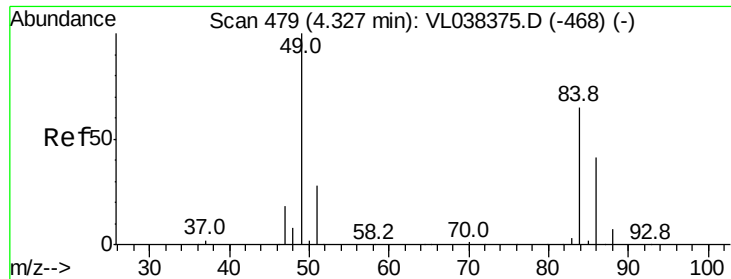
Tgt Ion: 45 Resp: 2179

Ion Ratio Lower Upper

45 100

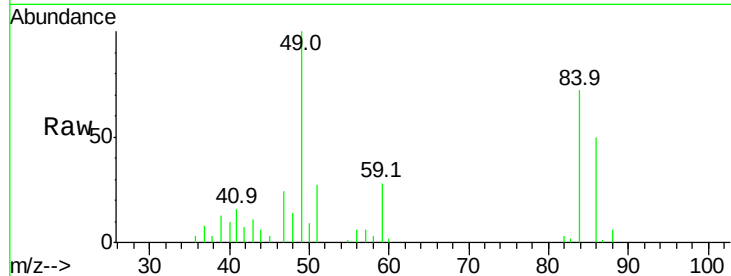
58 0.0 1.8 2.8#



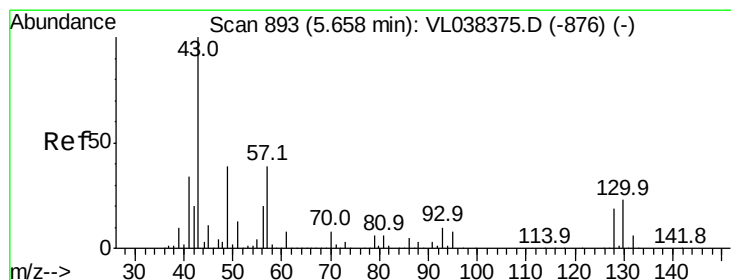
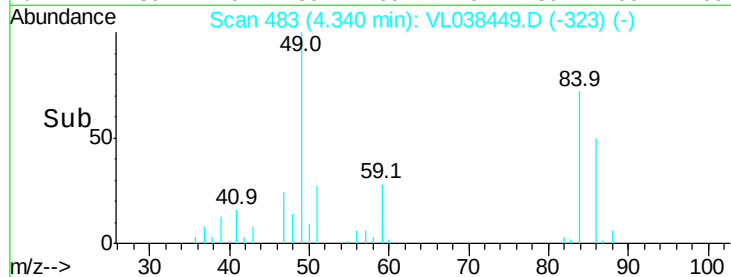
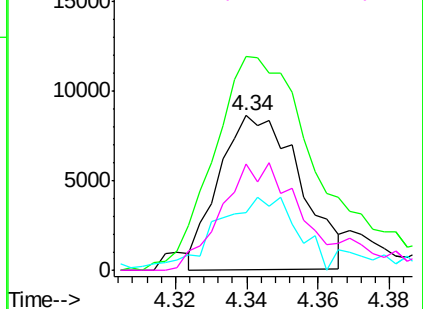


#20
Methylene Chloride
Concen: 0.39 ppbv
RT: 4.34 Instrument: MSVOA_1
Delta R.T. ClientSampleId:
Lab File: SVP-2
Acq: 1 Mar 2022 13:37

Tgt Ion:	84	Resp:	13531
Ion	Ratio	Lower	Upper
84	100		
49	122.7	122.4	183.6
51	30.7	33.3	49.9#
86	63.6	50.7	76.1

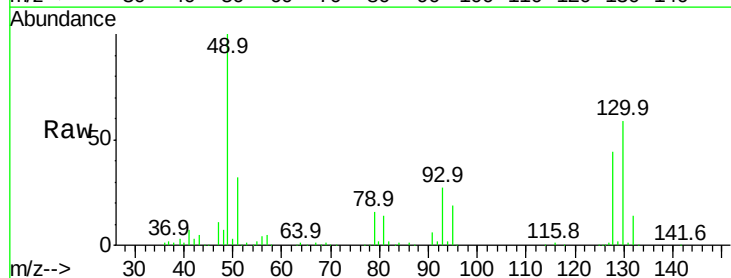


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

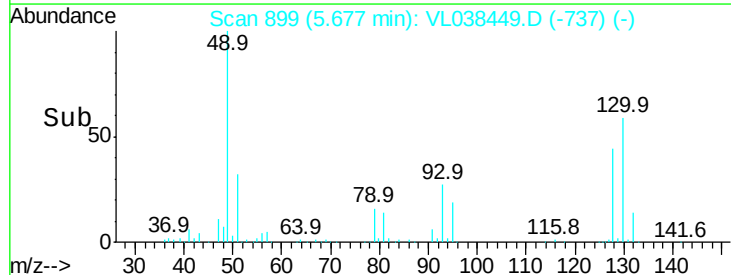
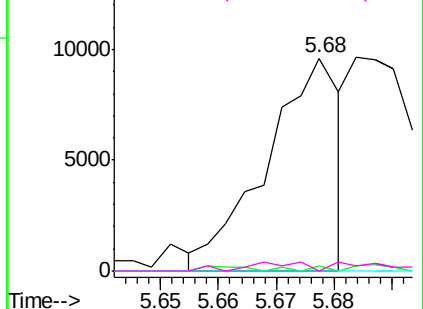


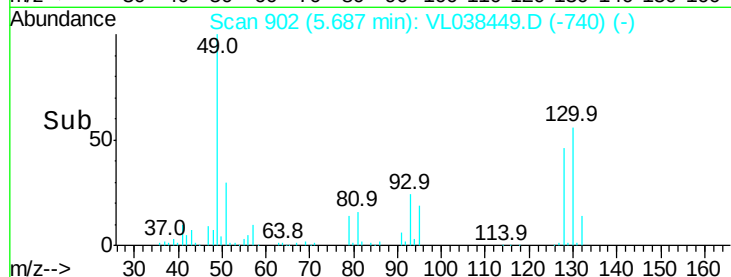
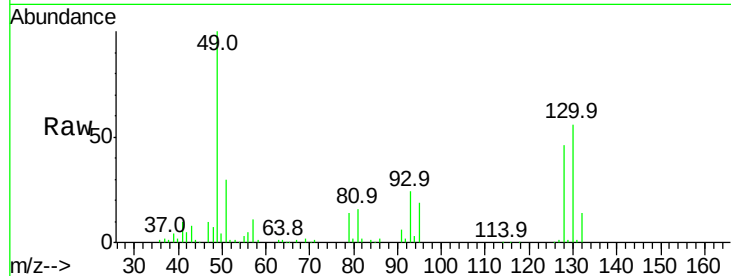
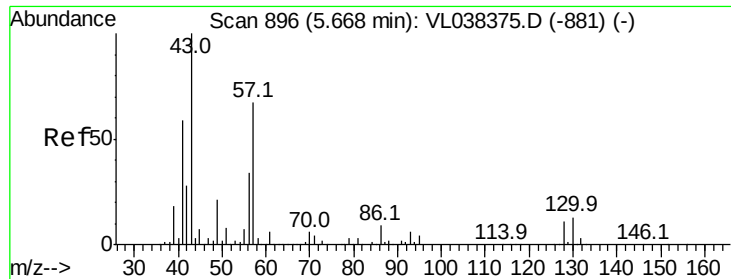
#25
Ethyl Acetate
Concen: 0.05 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.02 min
Lab File: VL038449.D
Acq: 1 Mar 2022 13:37

Tgt Ion:	43	Resp:	8459
Ion	Ratio	Lower	Upper
43	100		
45	2.4	7.8	11.6#
61	0.0	7.5	11.3#
70	0.0	5.4	8.0#



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: 0.09 ppbv

RT: 5.69 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 1 Mar 2022 13:37

Tgt Ion: 57 Resp: 7465

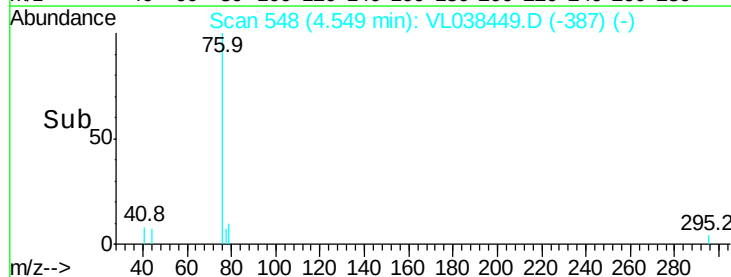
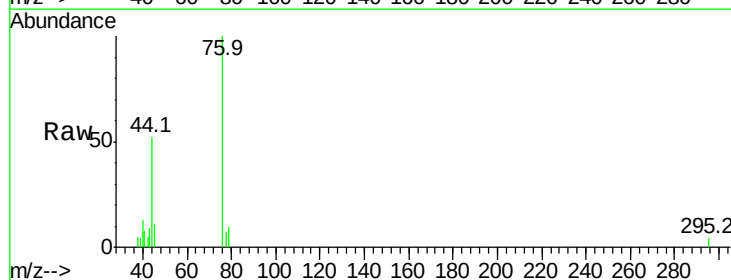
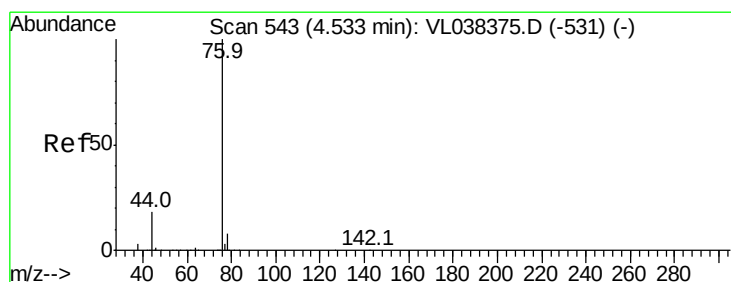
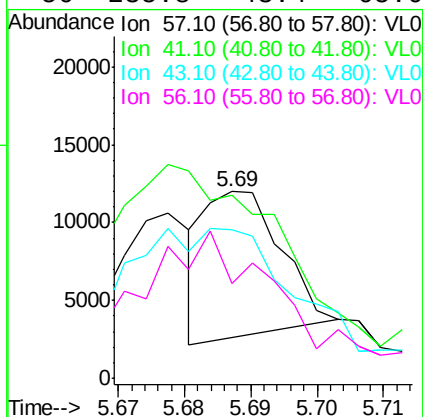
Ion Ratio Lower Upper

57 100

41 0.0 73.1 109.7#

43 277.9 181.0 271.4#

56 235.8 43.4 65.0#



#27

Carbon Disulfide

Concen: 0.05 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.02 min

Lab File: VL038449.D

Acq: 1 Mar 2022 13:37

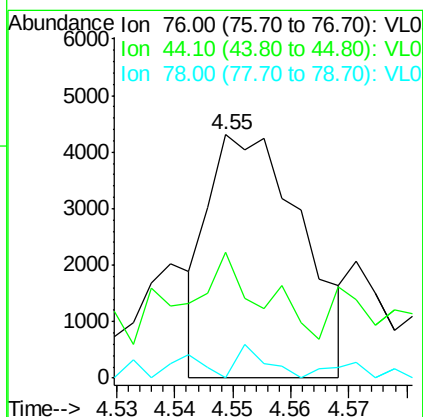
Tgt Ion: 76 Resp: 4858

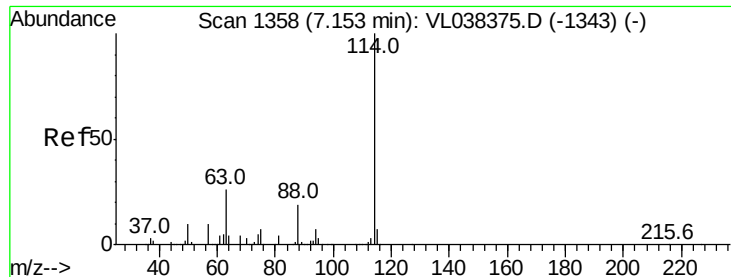
Ion Ratio Lower Upper

76 100

44 52.4 14.2 21.2#

78 12.3 7.8 11.6#

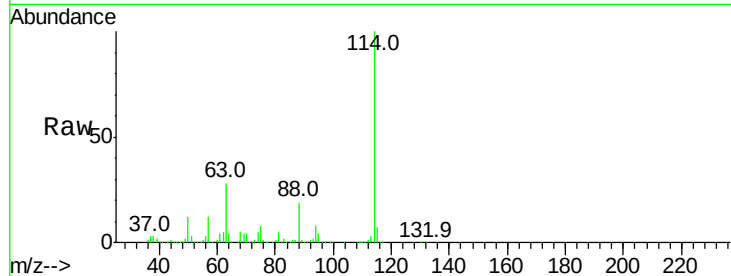




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 1 Mar 2022 13:37

Tgt Ion: 114 Resp: 1876811

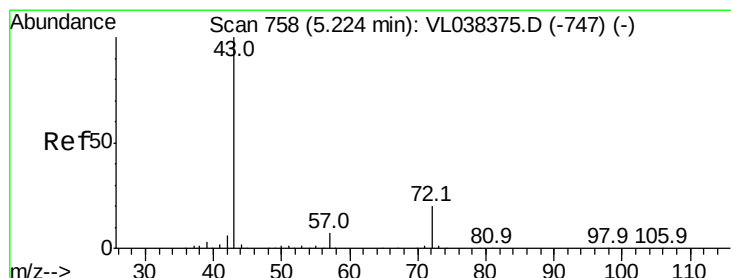
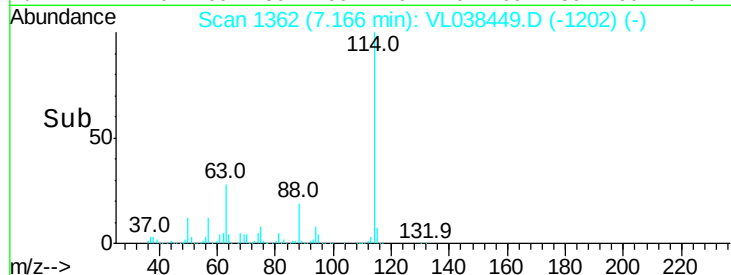
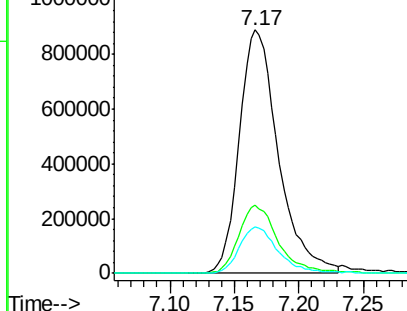
Ion	Ratio	Lower	Upper
114	100		
63	28.7	22.2	33.2
88	19.2	15.2	22.8



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

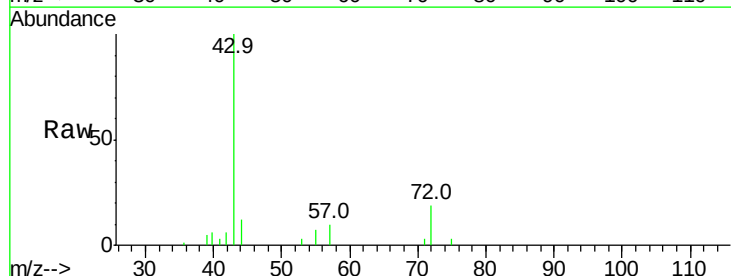
Ion 88.10 (87.80 to 88.80): VL0



#34
 2-Butanone
 Concen: 0.34 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.03 min
 Lab File: VL038449.D
 Acq: 1 Mar 2022 13:37

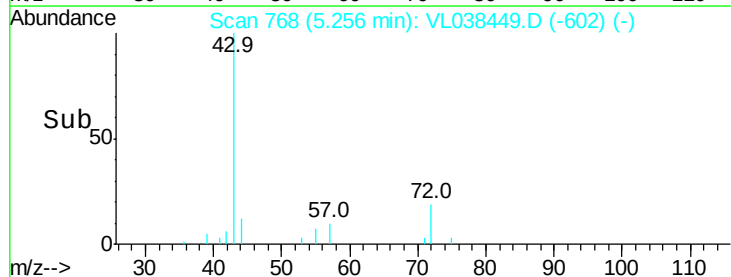
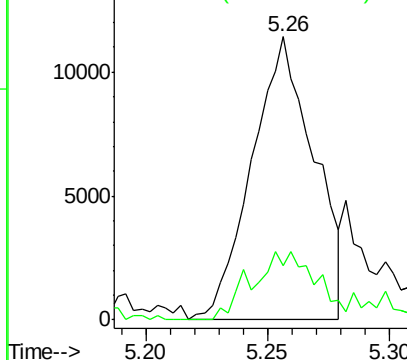
Tgt Ion: 43 Resp: 20220

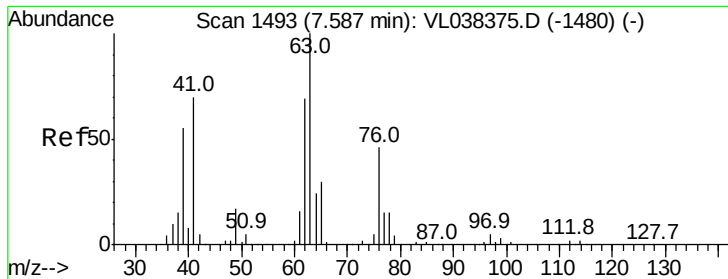
Ion	Ratio	Lower	Upper
43	100		
72	32.7	17.4	26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#39

1,2-Dichloropropane

Concen: 8.01 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 1 Mar 2022 13:37

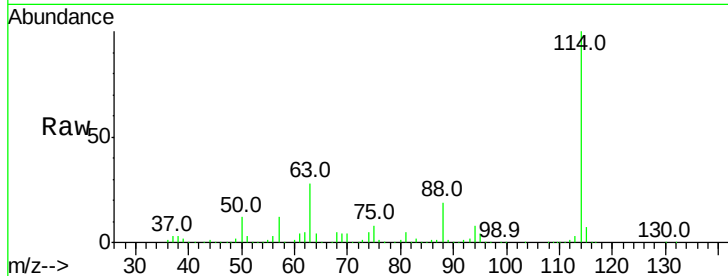
Tgt Ion: 63 Resp: 526998

Ion Ratio Lower Upper

63 100

41 0.0 56.1 84.1#

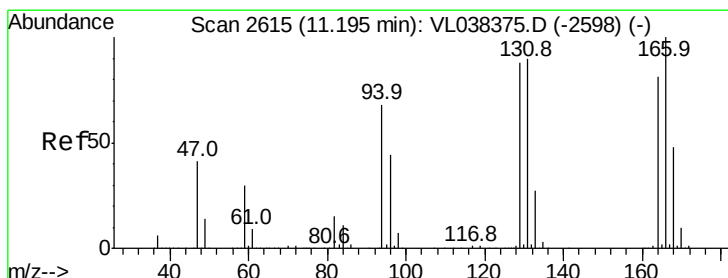
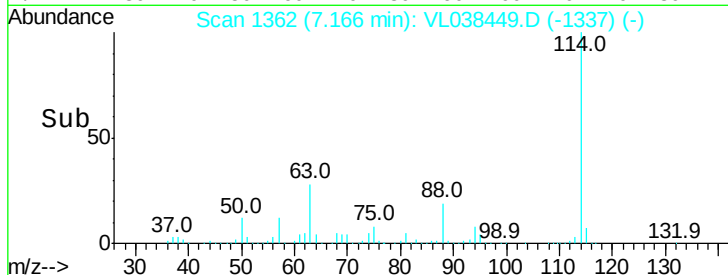
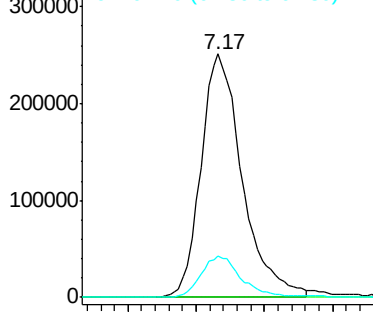
62 16.8 55.5 83.3#



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



#52

Tetrachloroethene

Concen: 0.64 ppbv

RT: 11.21 min Scan# 2621

Delta R.T. 0.02 min

Lab File: VL038449.D

Acq: 1 Mar 2022 13:37

Tgt Ion:164 Resp: 35188

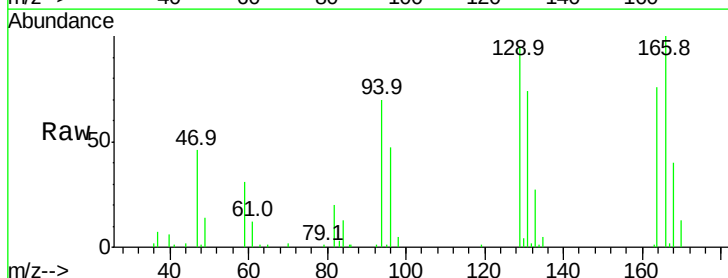
Ion Ratio Lower Upper

164 100

166 130.4 98.6 148.0

129 124.3 86.9 130.3

131 97.7 88.6 133.0

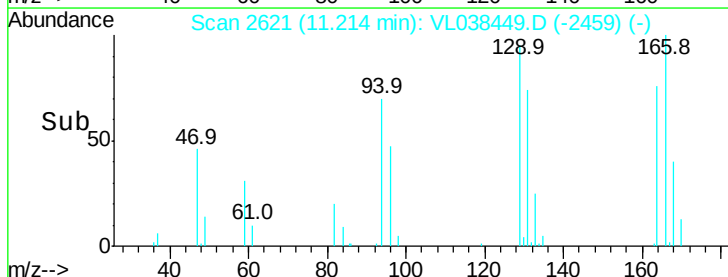
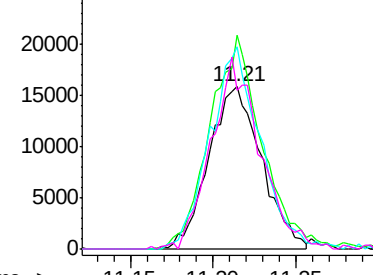


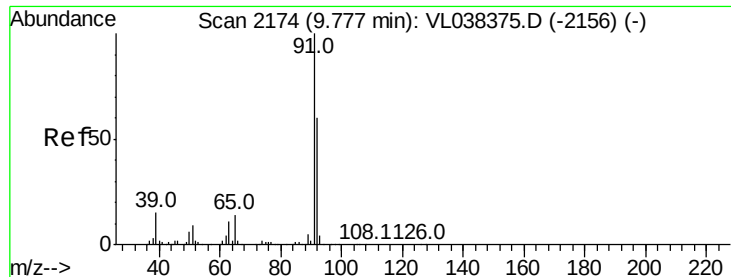
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.92 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

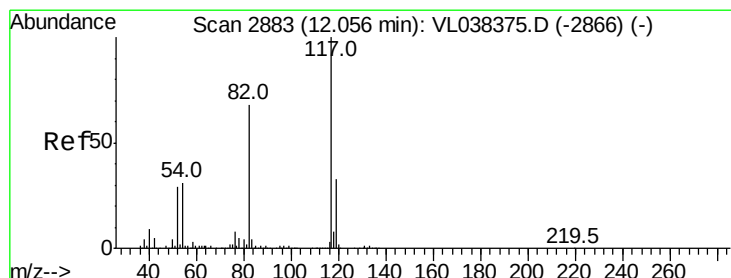
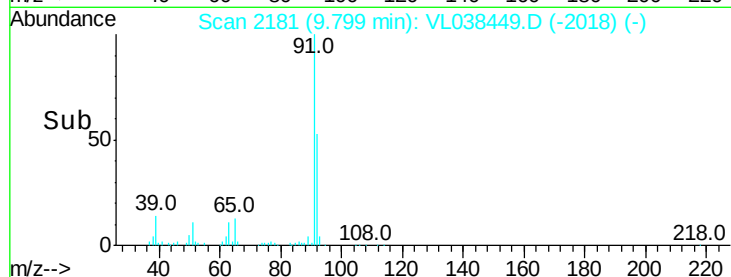
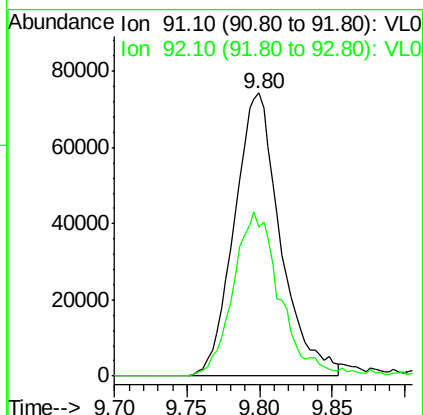
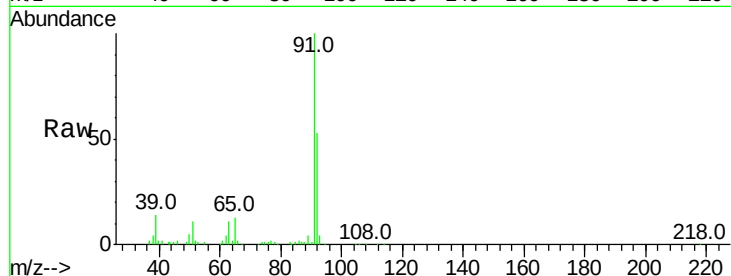
Acq: 1 Mar 2022 13:37

Tgt Ion: 91 Resp: 164333

Ion Ratio Lower Upper

91 100

92 60.1 48.2 72.4



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. 0.02 min

Lab File: VL038449.D

Acq: 1 Mar 2022 13:37

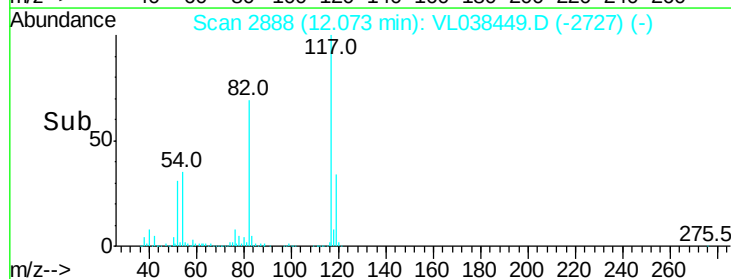
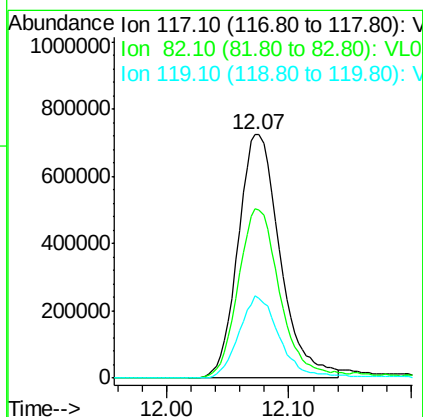
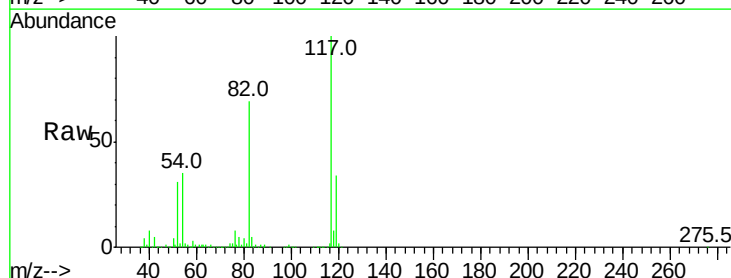
Tgt Ion: 117 Resp: 1723265

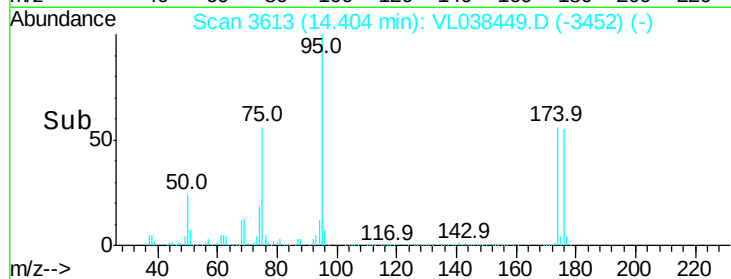
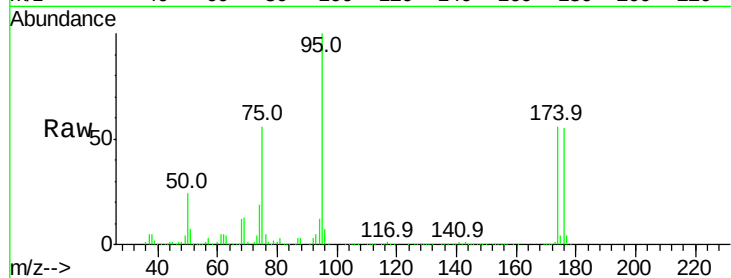
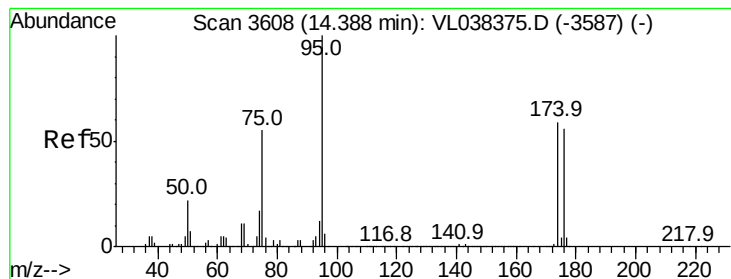
Ion Ratio Lower Upper

117 100

82 72.8 54.9 82.3

119 33.7 46.1 69.1#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.77 ppbv

RT: 14.40

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

SVP-2

Acq: 1 Mar 2022 15:37

Tgt Ion: 95 Resp: 1392688

Ion Ratio Lower Upper

95 100

174 60.0 49.0 73.4

175 4.2 3.6 5.4

