

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112921\
 Data File : VL038134.D
 Acq On : 29 Nov 2021 14:18
 Operator : SY/AP
 Sample : M4751-02DL2 1200X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-2DL2

Quant Time: Nov 30 05:15:52 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	948488	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2539691	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2222848	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1757408	10.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.60%

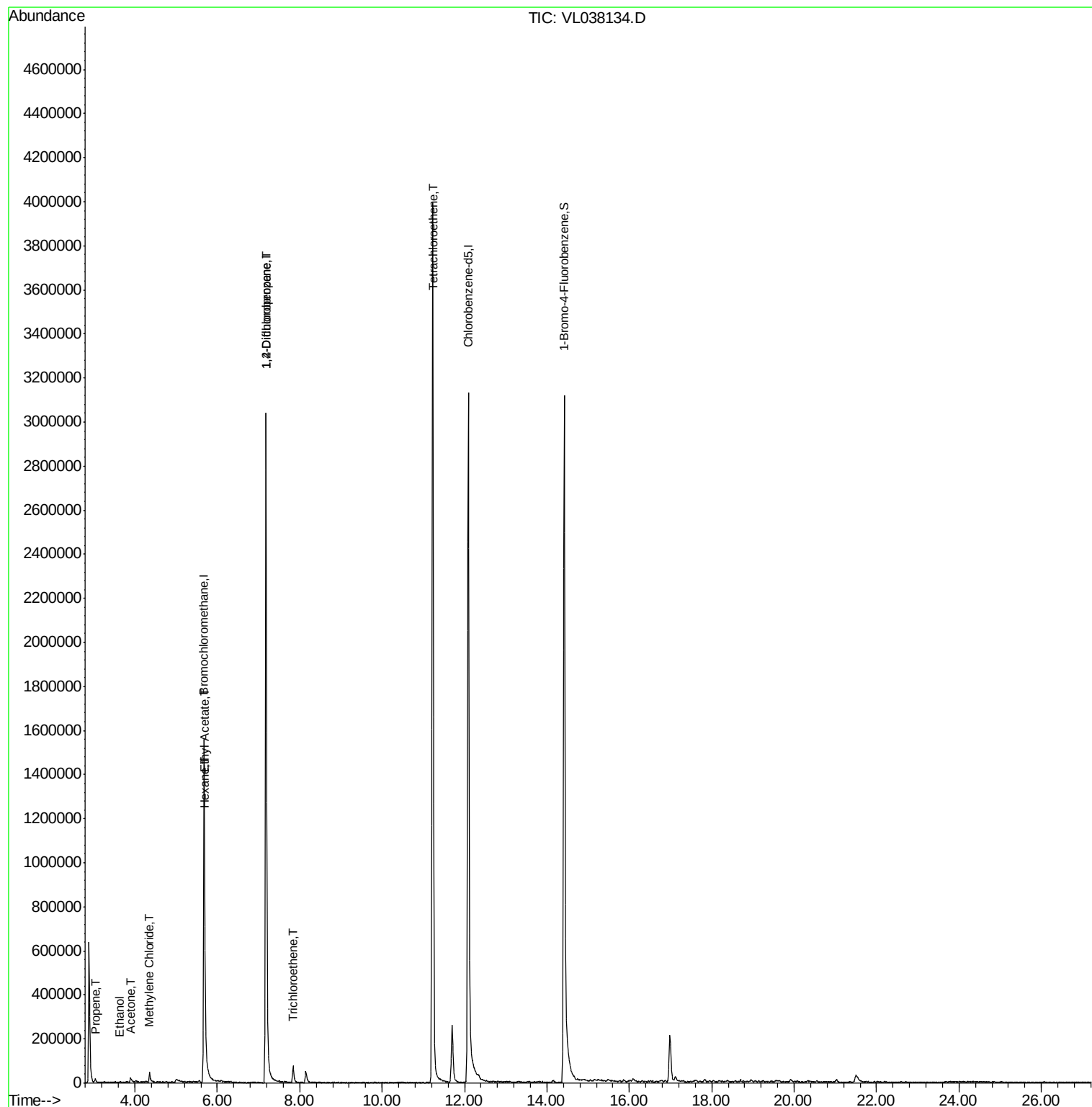
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	3425	0.047	ppbv #	76
13) Ethanol	3.63	45	311	0.044	ppbv #	32
15) Acetone	3.90	43	25549	0.311	ppbv #	89
20) Methylene Chloride	4.35	84	17664	0.383	ppbv	94
25) Ethyl Acetate	5.70	43	9224	0.034	ppbv #	76
26) Hexane	5.70	57	18173	0.138	ppbv #	45
38) Trichloroethene	7.84	130	23195	0.243	ppbv	85
39) 1,2-Dichloropropane	7.18	63	686026	7.059	ppbv #	27
52) Tetrachloroethene	11.23	164	1045851	11.157	ppbv	95

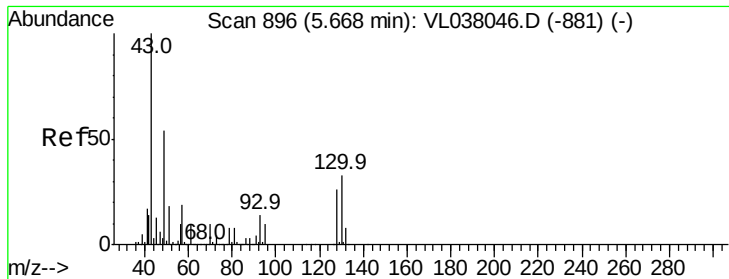
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

SVP-2DL2

Acq: 29 Nov 2021 14:18

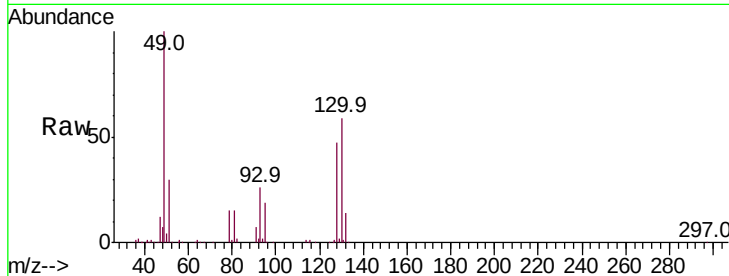
Tot Ion: 49 Resp: 948488

Ion Ratio Lower Upper

49 100

128 48.4 26.5 79.5

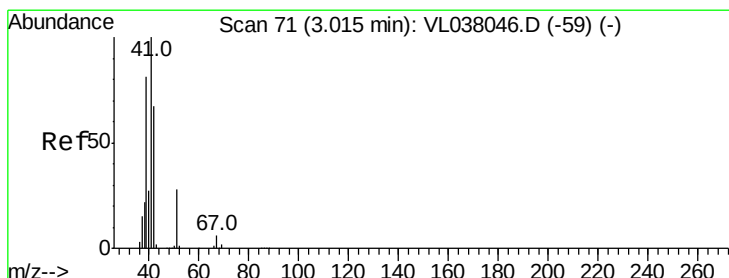
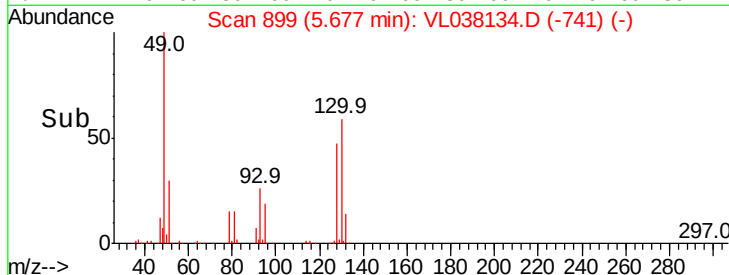
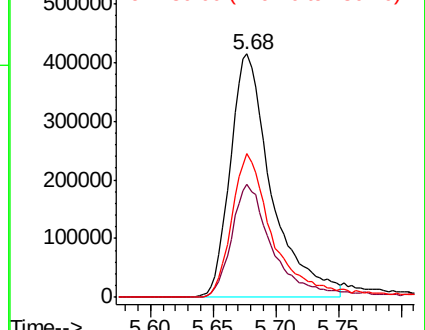
130 61.2 32.5 97.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.047 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.02 min

Lab File: VL038134.D

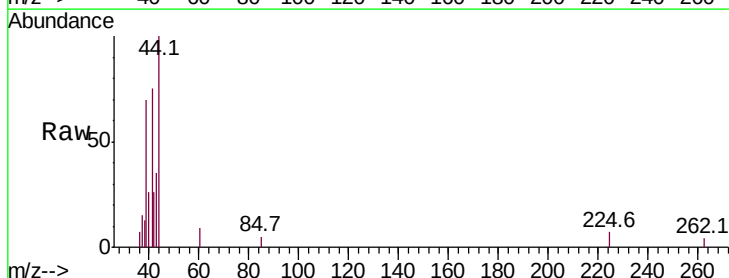
Acq: 29 Nov 2021 14:18

Tgt Ion: 41 Resp: 3425

Ion Ratio Lower Upper

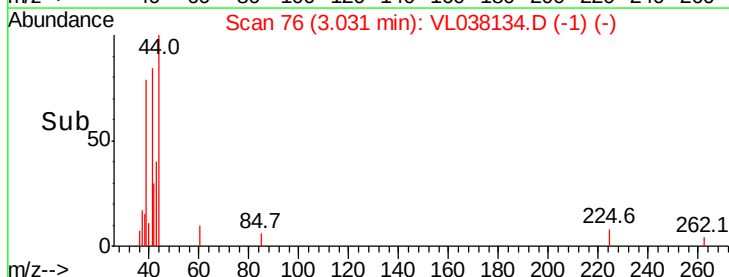
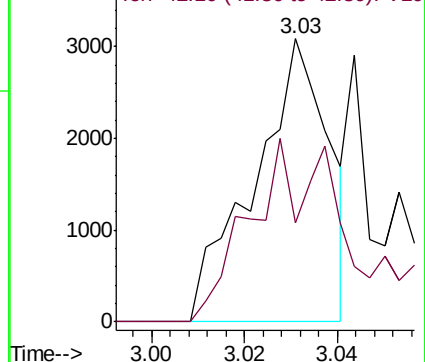
41 100

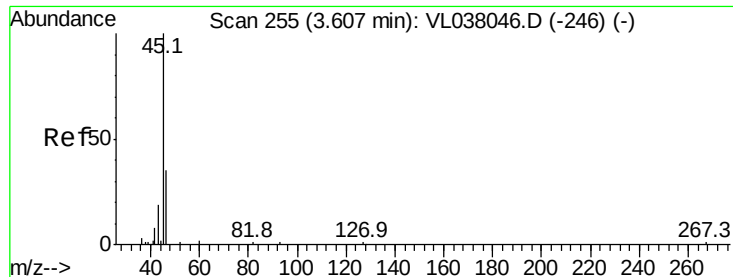
42 86.5 53.8 80.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

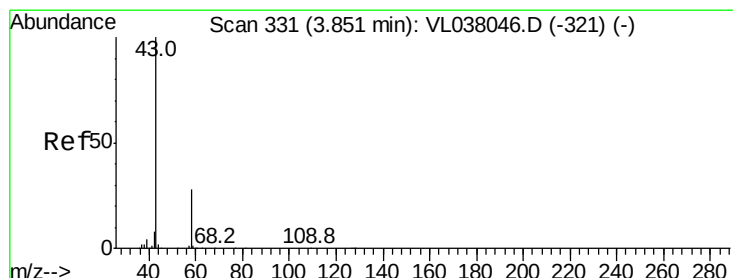
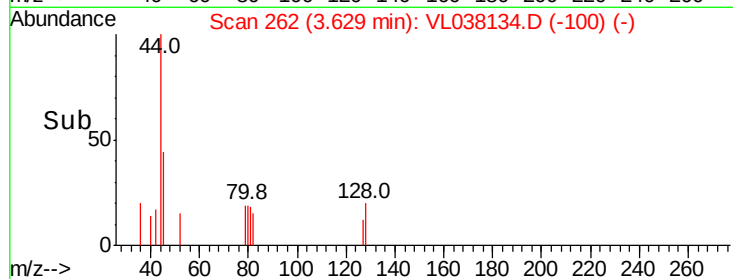
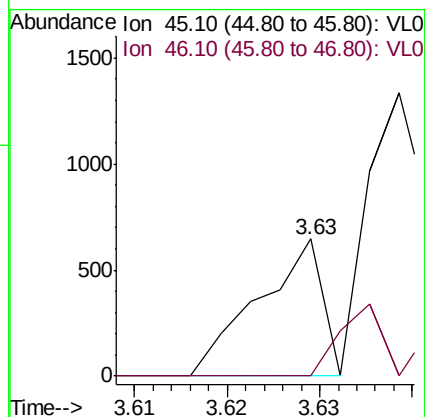
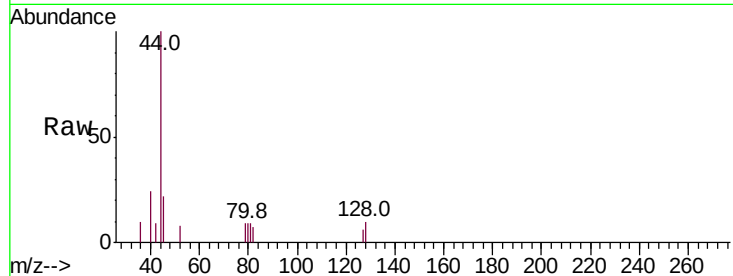
Ion 42.10 (41.80 to 42.80): VL0





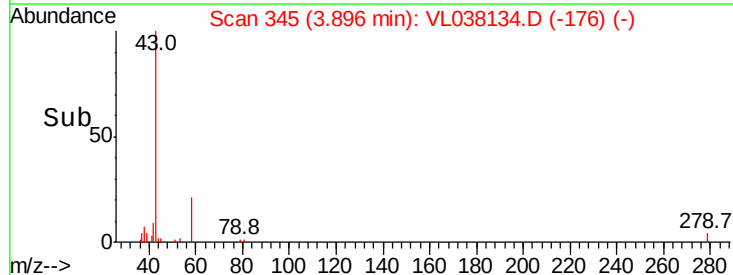
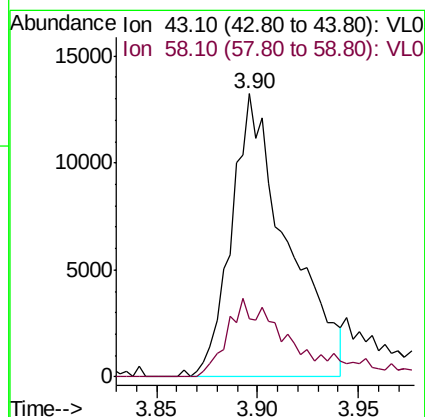
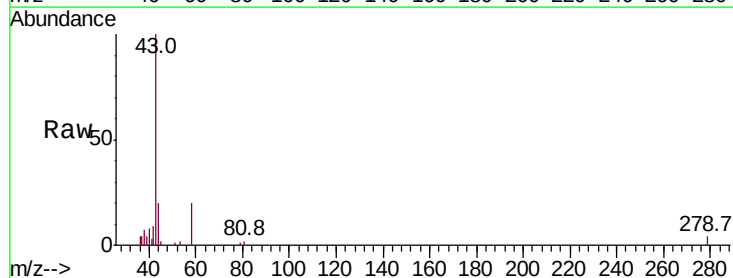
#13
Ethanol
Concen: 0.044 ppbv
RT: 3.63
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Nov 2021 14:18

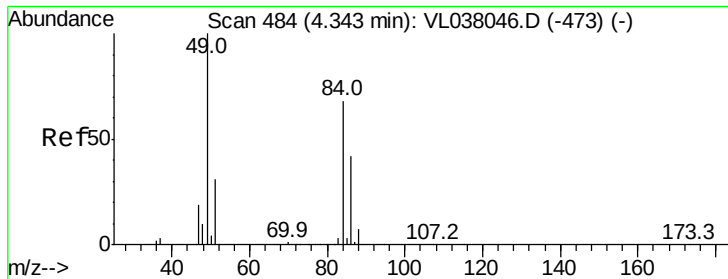
Tot Ion: 45 Resp: 311
Ion Ratio Lower Upper
45 100
46 0.0 17.6 70.2#



#15
Acetone
Concen: 0.311 ppbv
RT: 3.90 min Scan# 345
Delta R.T. 0.04 min
Lab File: VL038134.D
Acq: 29 Nov 2021 14:18

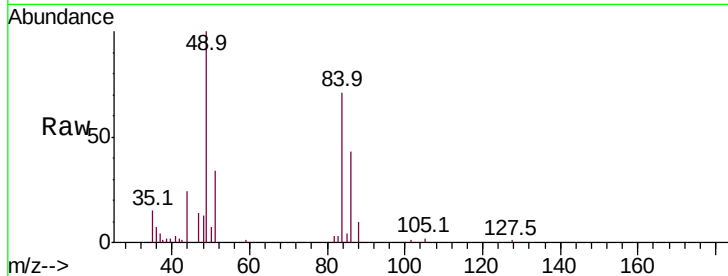
Tgt Ion: 43 Resp: 25549
Ion Ratio Lower Upper
43 100
58 33.7 22.4 33.6#



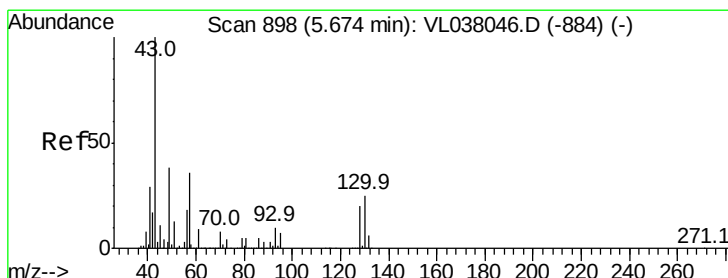
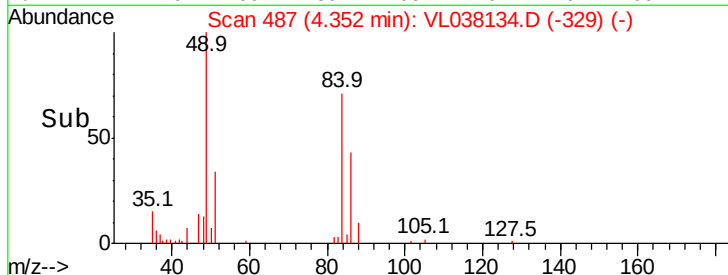
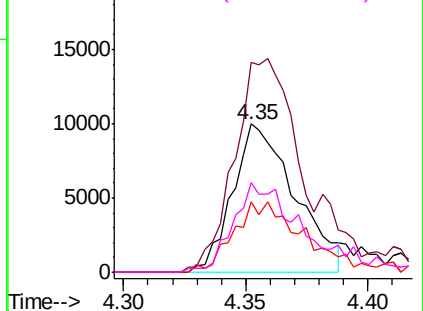


#20
Methylene Chloride
Concen: 0.383 ppbv
RT: 4.35
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 29 Nov 2021 14:18

Tot Ion: 84 Resp: 17664
Ion Ratio Lower Upper
84 100
49 138.0 118.2 177.2
51 47.9 36.8 55.2
86 57.5 49.0 73.6

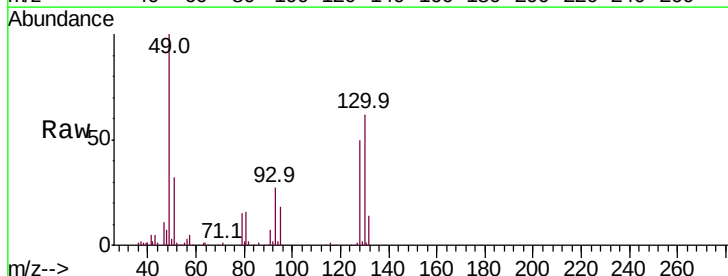


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

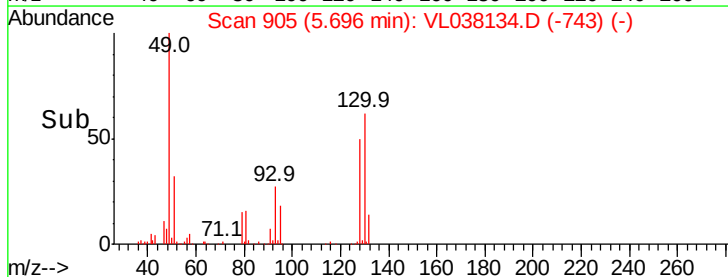
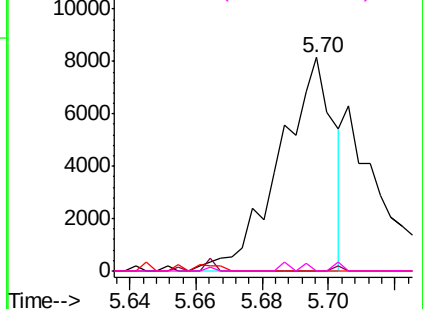


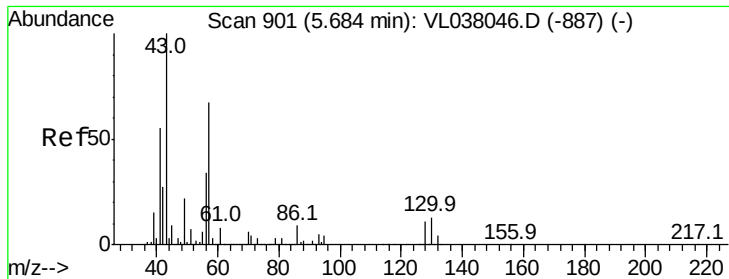
#25
Ethyl Acetate
Concen: 0.034 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.02 min
Lab File: VL038134.D
Acq: 29 Nov 2021 14:18

Tgt Ion: 43 Resp: 9224
Ion Ratio Lower Upper
43 100
45 0.0 7.9 11.9#
61 0.0 7.8 11.6#
70 2.0 5.8 8.8#



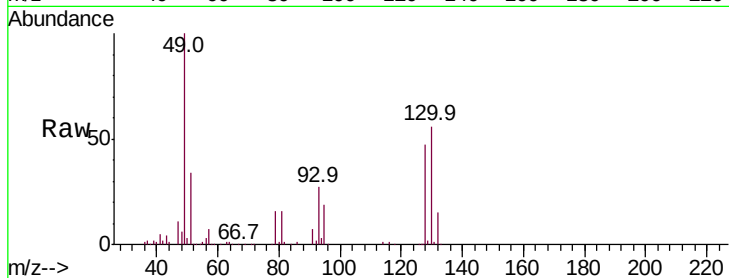
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0





#26
Hexane
Concen: 0.138 ppbv
RT: 5.70
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
SVP-2DL2
Acq: 29 Nov 2021 14:18

Tot Ion:	57	Resp:	18173
Ion	Ratio	Lower	Upper
57	100		
41	99.5	71.4	107.2
43	83.0	174.6	261.8#
56	60.8	43.2	64.8



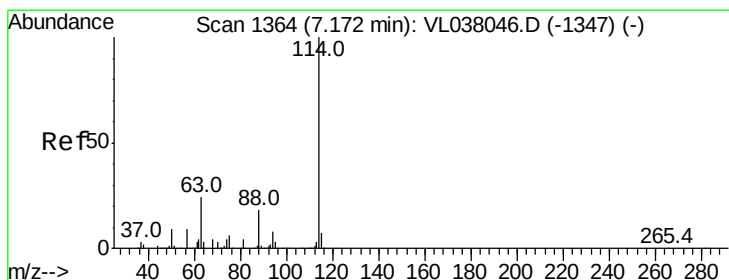
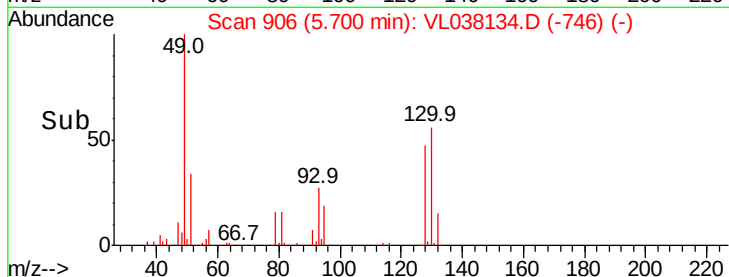
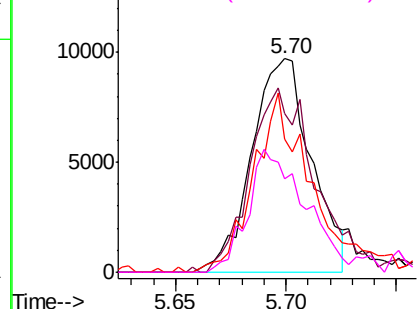
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

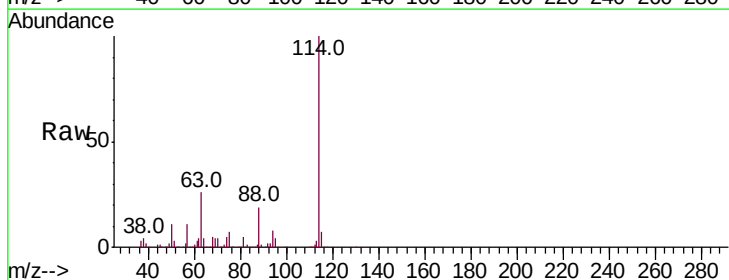
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.01 min
Lab File: VL038134.D
Acq: 29 Nov 2021 14:18

Tgt Ion:	114	Resp:	2539691
Ion	Ratio	Lower	Upper
114	100		
63	27.7	19.7	29.5
88	19.5	14.4	21.6

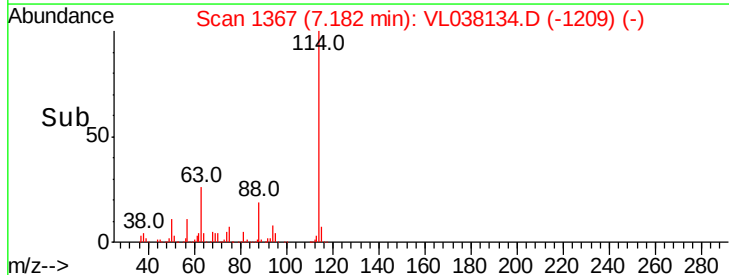
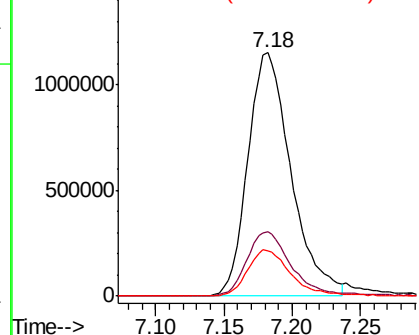


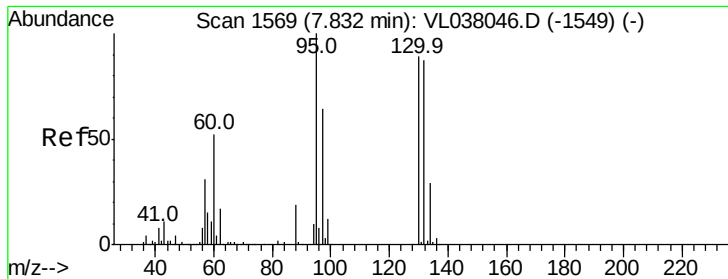
Abundance

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





#38

Trichloroethene

Concen: 0.243 ppbv

RT: 7.84 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

SVP-2DL2

Acq: 29 Nov 2021 14:18

Tot Ion:130 Resp: 23195

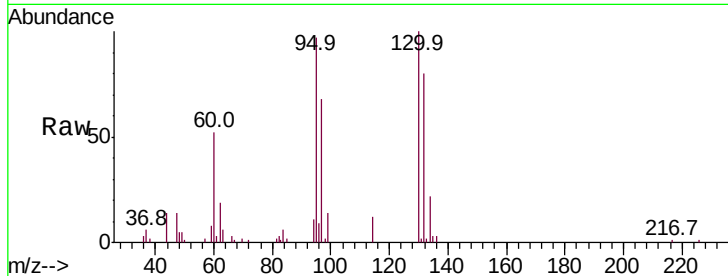
Ion Ratio Lower Upper

130 100

95 92.4 89.4 134.2

132 78.7 78.2 117.2

97 67.0 57.0 85.4

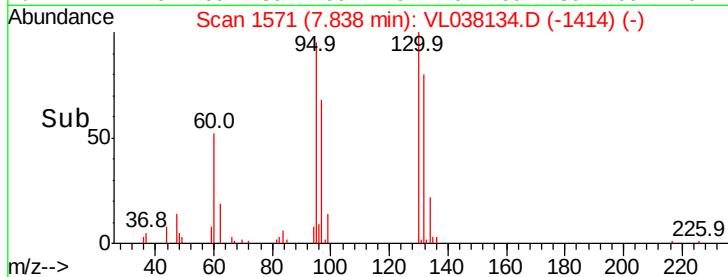
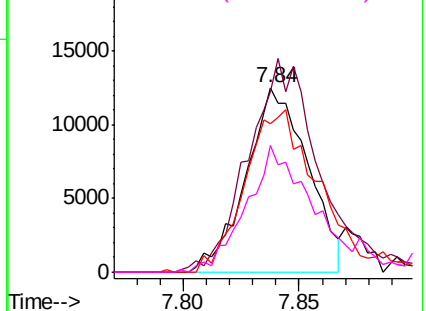


Abundance Ion 130.00 (129.70 to 130.70): V

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: 7.059 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.43 min

Lab File: VL038134.D

Acq: 29 Nov 2021 14:18

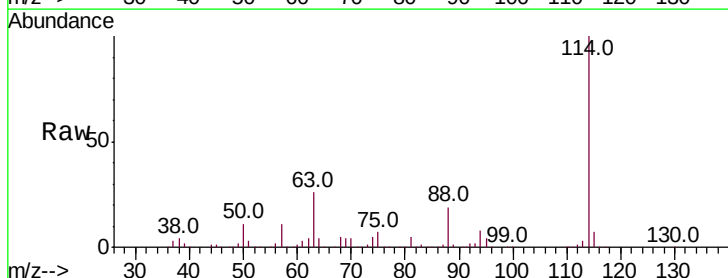
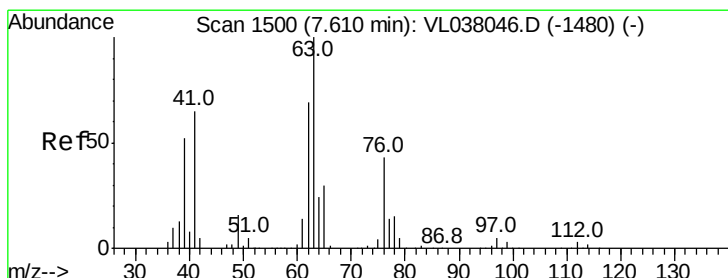
Tgt Ion: 63 Resp: 686026

Ion Ratio Lower Upper

63 100

41 0.0 52.3 78.5#

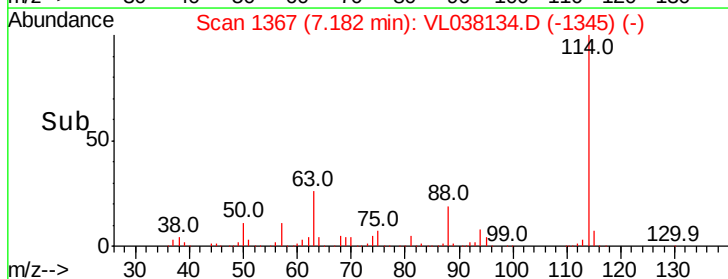
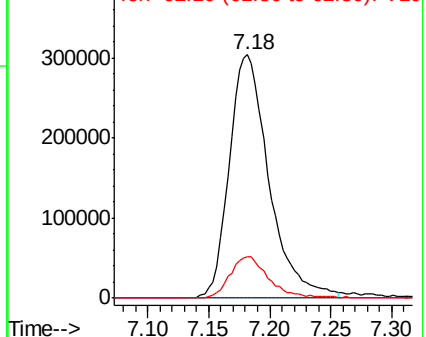
62 16.9 55.1 82.7#

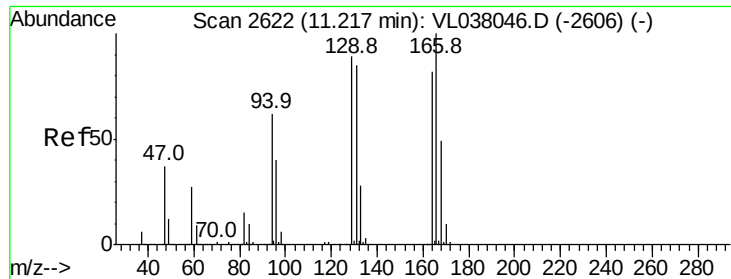


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 11.157 ppbv

RT: 11.23

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 29 Nov 2021 14:18

Tot Ion:164 Resp: 1045851

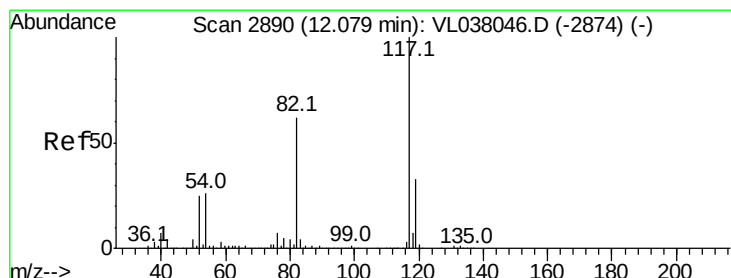
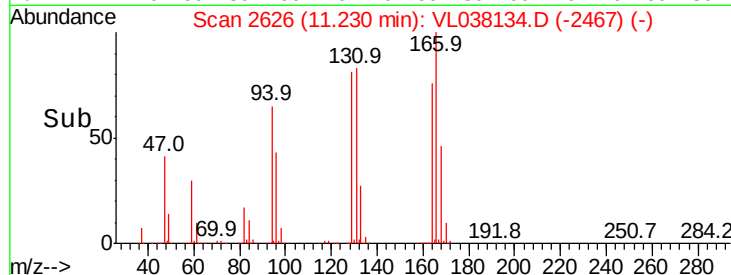
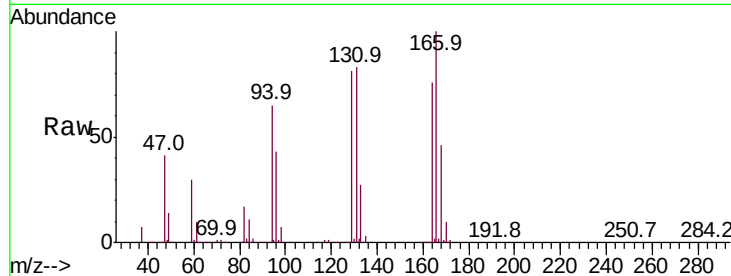
Ion Ratio Lower Upper

164 100

166 131.3 97.2 145.8

129 106.7 86.9 130.3

131 108.7 82.8 124.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. 0.01 min

Lab File: VL038134.D

Acq: 29 Nov 2021 14:18

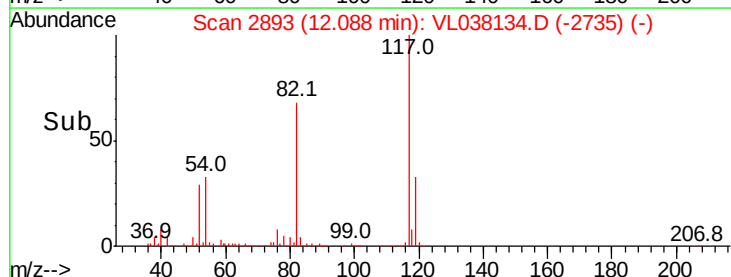
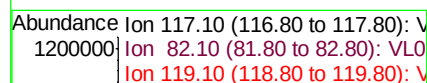
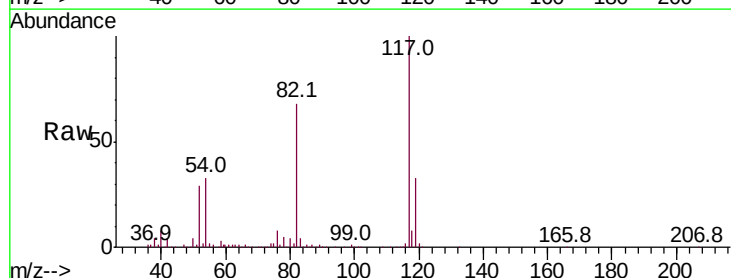
Tgt Ion:117 Resp: 2222848

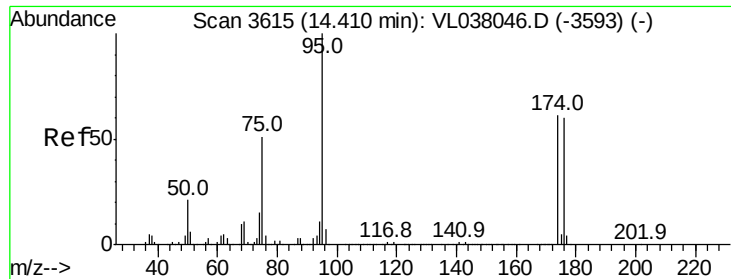
Ion Ratio Lower Upper

117 100

82 74.4 52.8 79.2

119 35.4 26.8 40.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.961 ppbv

RT: 14.42

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

SVP-2DL2

Acq: 29 Nov 2021 14.18

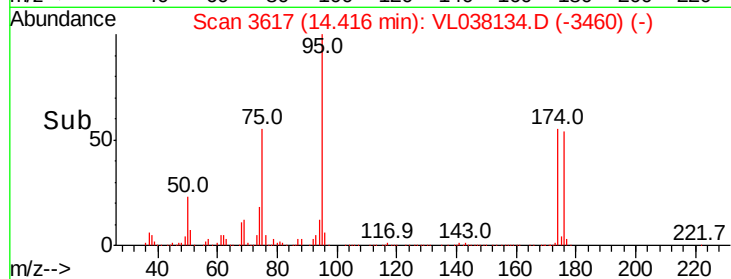
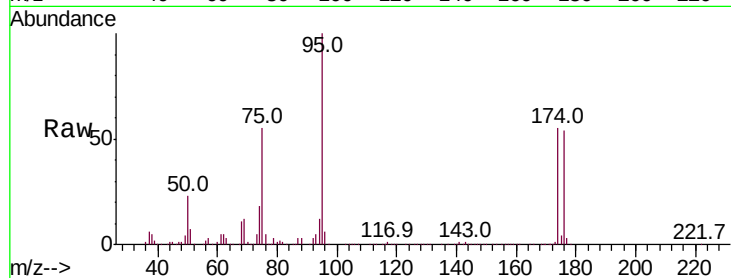
Tot Ion: 95 Resp: 1757408

Ion Ratio Lower Upper

95 100

174 64.1 53.1 79.7

175 4.5 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

