

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112921\
 Data File : VL038133.D
 Acq On : 29 Nov 2021 13:41
 Operator : SY/AP
 Sample : M4751-02DL2 600X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-2DL

Quant Time: Nov 30 05:15:46 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	982046	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2637785	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	2270491	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1858240	11.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	113.50%

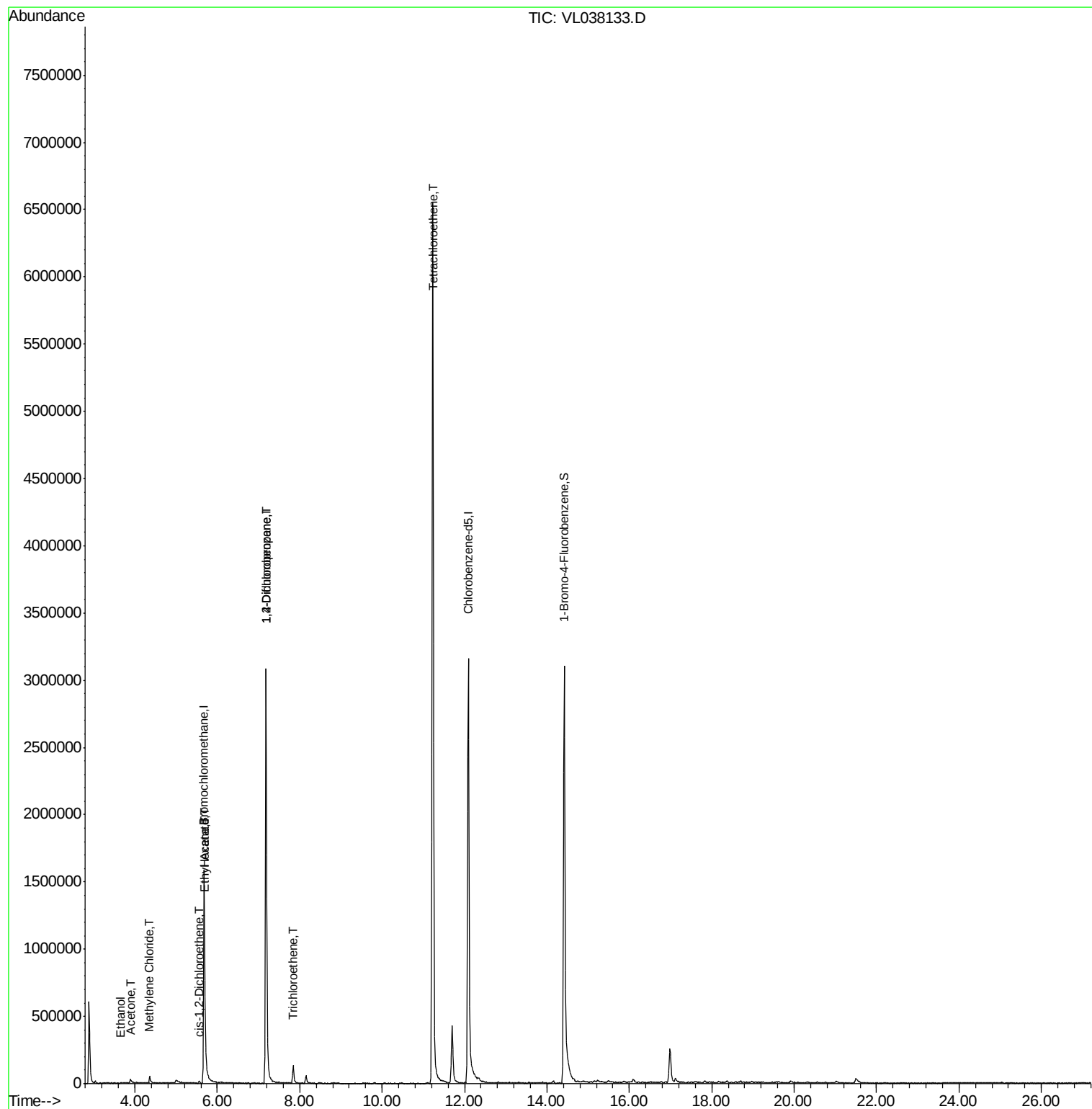
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.65	45	1810	0.247	ppbv	84
15) Acetone	3.89	43	14830	0.174	ppbv #	1
20) Methylene Chloride	4.36	84	19164	0.402	ppbv #	79
25) Ethyl Acetate	5.70	43	12849	0.045	ppbv #	75
26) Hexane	5.70	57	9628	0.071	ppbv #	1
31) cis-1,2-Dichloroethene	5.56	61	7208	0.056	ppbv #	68
38) Trichloroethene	7.84	130	26497	0.267	ppbv	90
39) 1,2-Dichloropropane	7.18	63	685550	6.792	ppbv #	27
52) Tetrachloroethene	11.23	164	1782019	18.303	ppbv	97

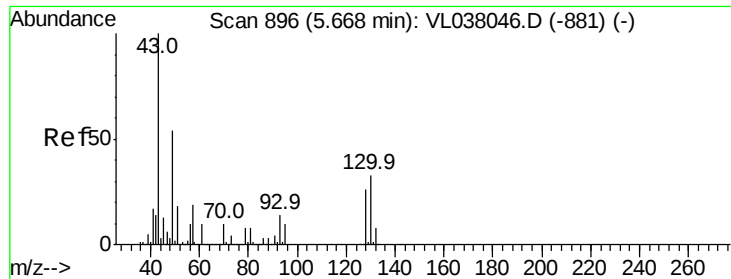
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112921\
Data File : VL038133.D
Acq On : 29 Nov 2021 13:41
Operator : SY/AP
Sample : M4751-02DL2 600X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SVP-2DL

Quant Time: Nov 30 05:15:46 2021
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 29 Nov 2021 13:41

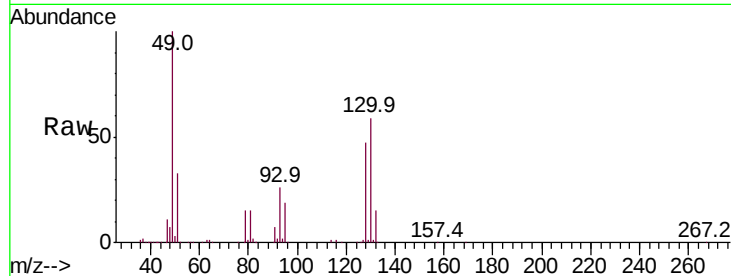
Tot Ion: 49 Resp: 982046

Ion Ratio Lower Upper

49 100

128 48.8 26.5 79.5

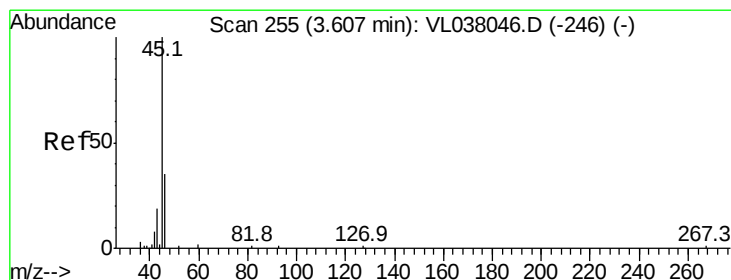
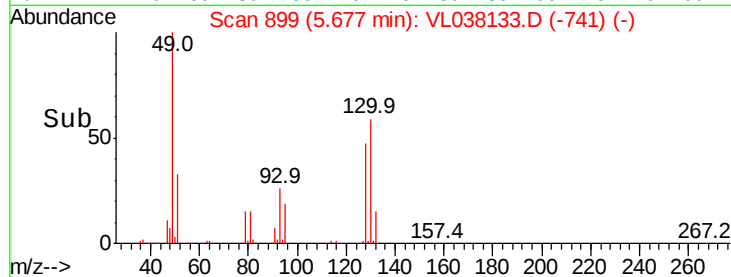
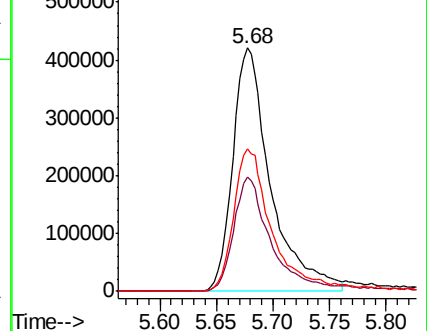
130 61.1 32.5 97.4



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



#13

Ethanol

Concen: 0.247 ppbv

RT: 3.65 min Scan# 267

Delta R.T. 0.04 min

Lab File: VL038133.D

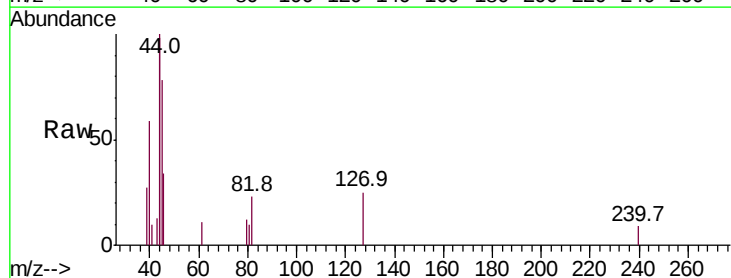
Acq: 29 Nov 2021 13:41

Tgt Ion: 45 Resp: 1810

Ion Ratio Lower Upper

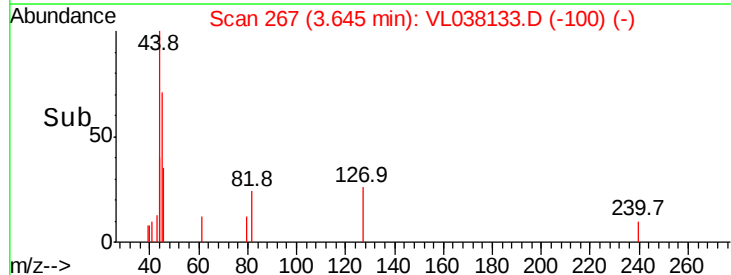
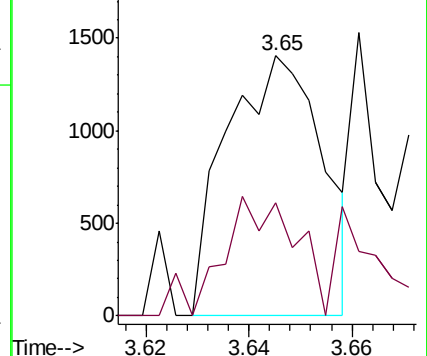
45 100

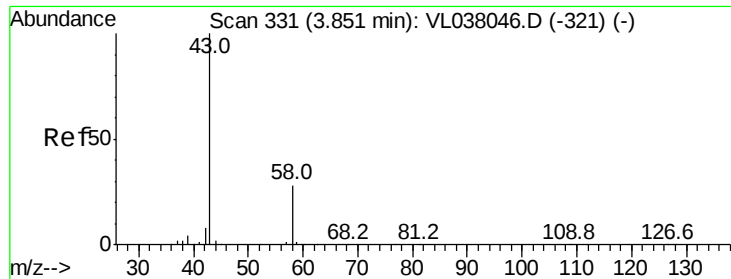
46 54.3 17.6 70.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.174 ppbv

RT: 3.89 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

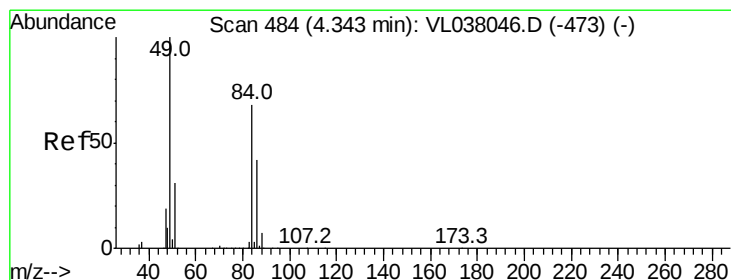
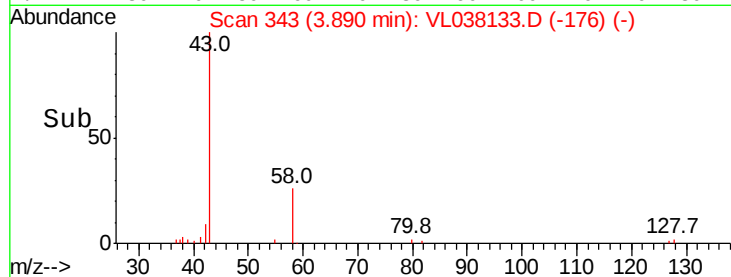
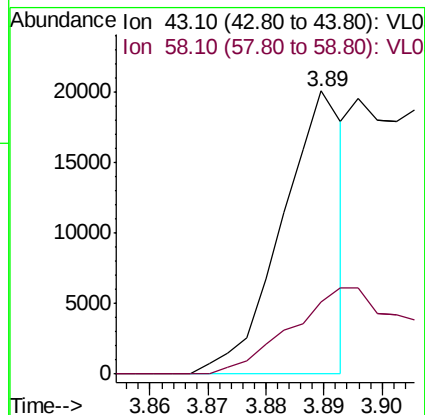
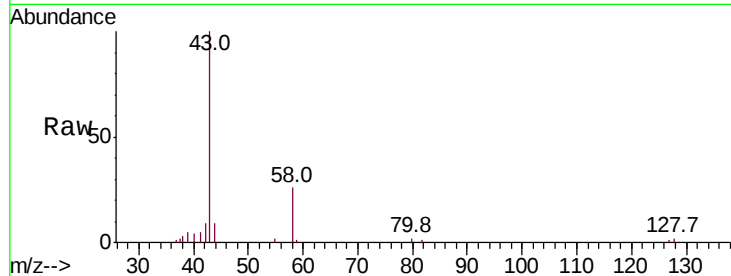
Acq: 29 Nov 2021 13:41 SVP-2DL

Tot Ion: 43 Resp: 14830

Ion Ratio Lower Upper

43 100

58 89.1 22.4 33.6#



#20

Methylene Chloride

Concen: 0.402 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.01 min

Lab File: VL038133.D

Acq: 29 Nov 2021 13:41

Tgt Ion: 84 Resp: 19164

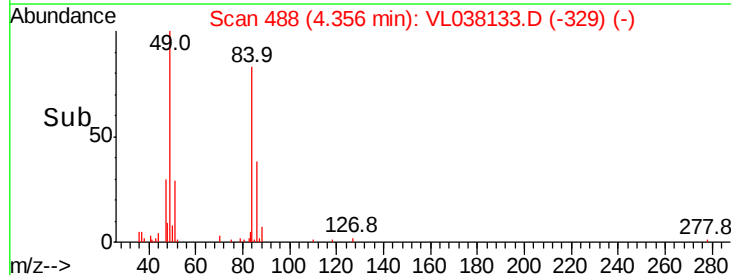
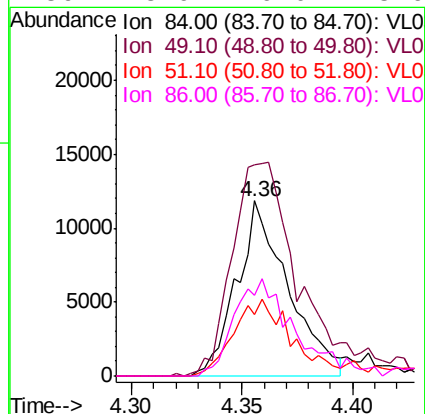
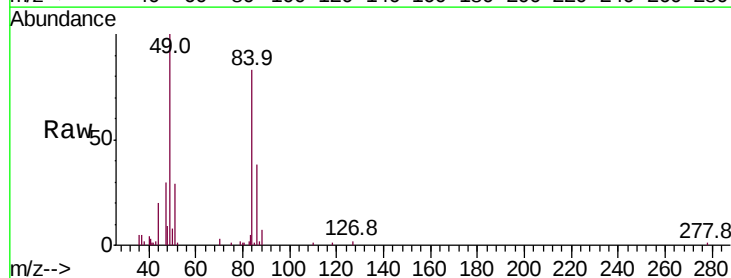
Ion Ratio Lower Upper

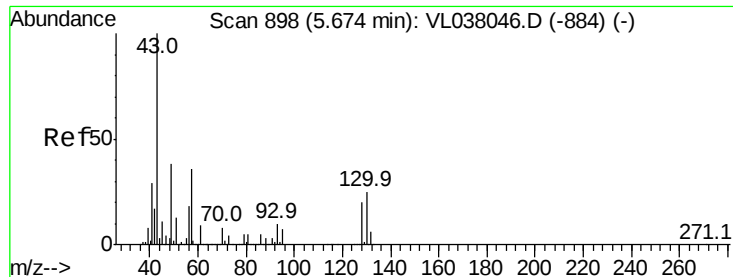
84 100

49 119.0 118.2 177.2

51 35.4 36.8 55.2#

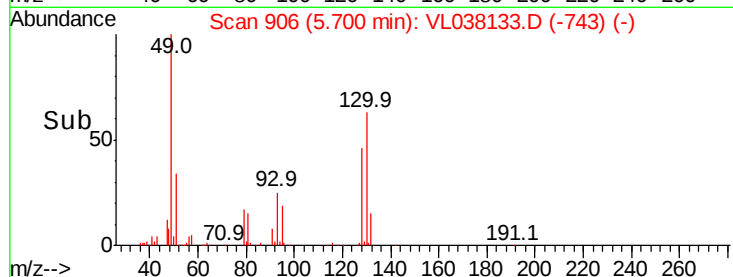
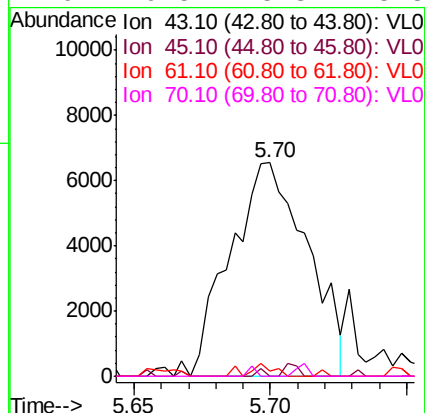
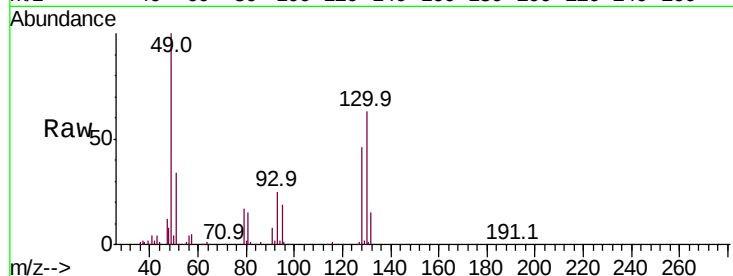
86 45.9 49.0 73.6#





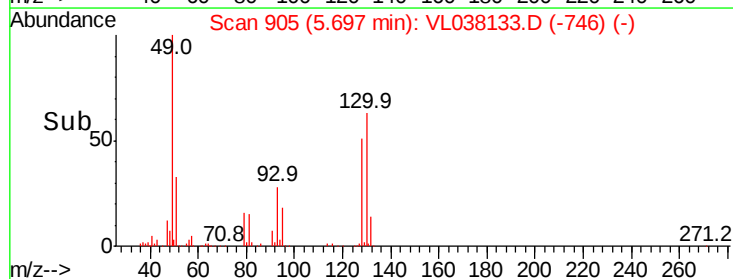
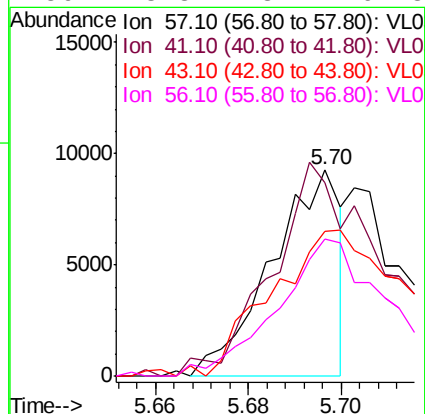
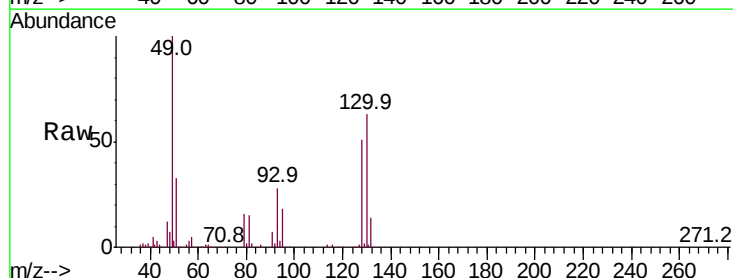
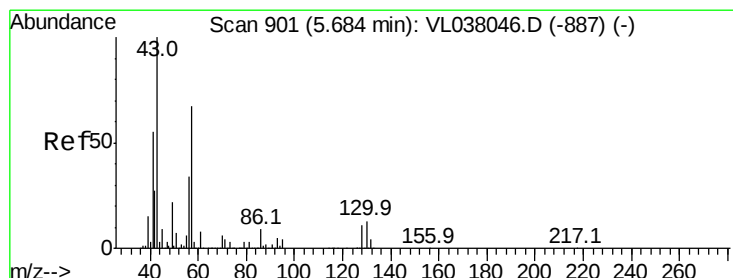
#25
 Ethyl Acetate
 Concen: 0.045 ppbv
 RT: 5.70 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SVP-2DL
 Acq: 29 Nov 2021 13:41

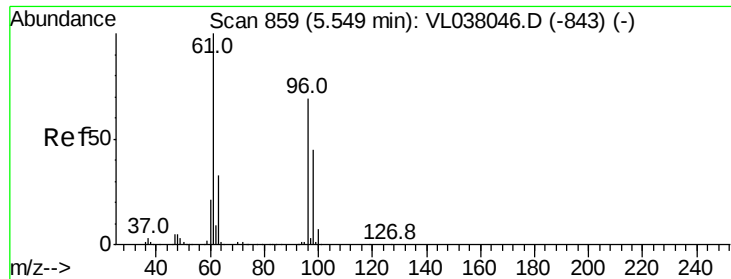
Tot Ion:	43	Resp:	12849
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.9	11.9#
61	0.0	7.8	11.6#
70	0.5	5.8	8.8#



#26
 Hexane
 Concen: 0.071 ppbv
 RT: 5.70 min Scan# 905
 Delta R.T. 0.01 min
 Lab File: VL038133.D
 Acq: 29 Nov 2021 13:41

Tgt Ion:	57	Resp:	9628
Ion	Ratio	Lower	Upper
57	100		
41	179.6	71.4	107.2#
43	0.0	174.6	261.8#
56	113.3	43.2	64.8#





#31

cis-1,2-Dichloroethene

Concen: 0.056 ppbv

RT: 5.56

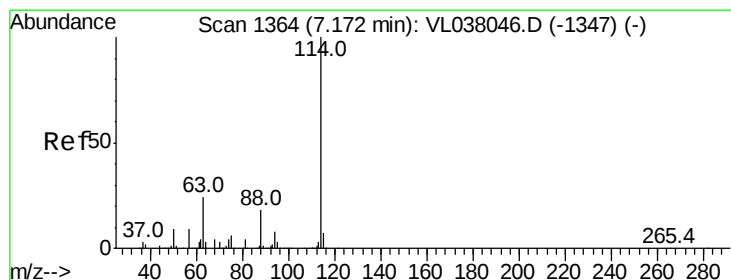
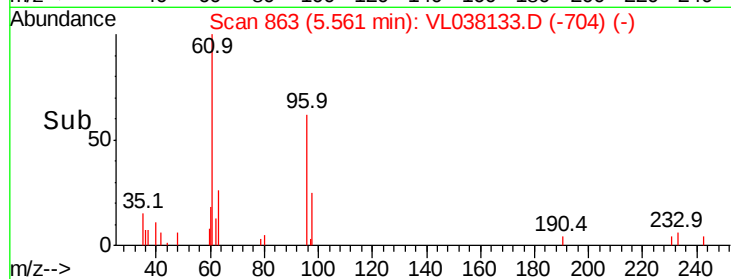
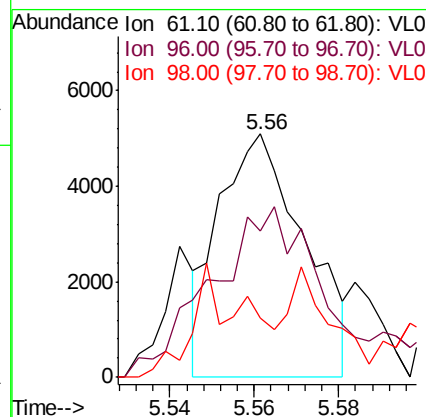
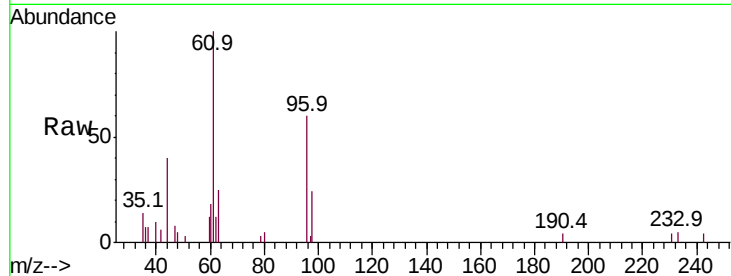
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Nov 2021 13:41

Tot Ion: 61 Resp: 7208

Ion	Ratio	Lower	Upper
61	100		
96	55.3	55.4	83.2#
98	9.3	35.7	53.5#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

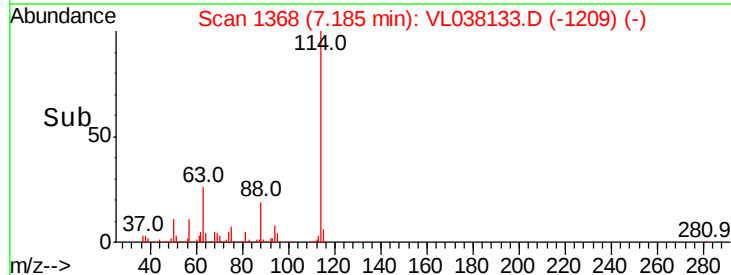
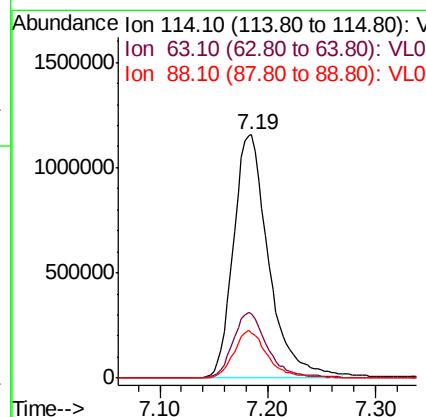
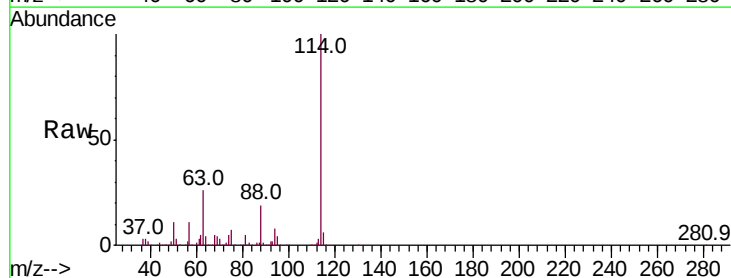
Delta R.T. 0.01 min

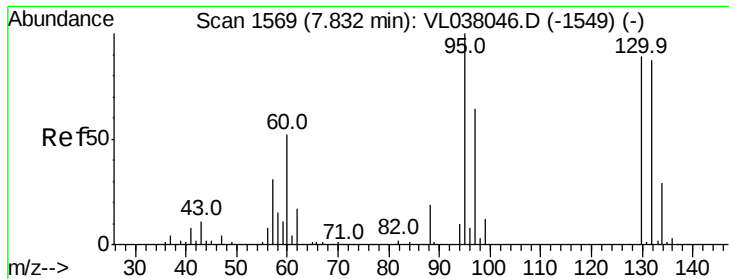
Lab File: VL038133.D

Acq: 29 Nov 2021 13:41

Tgt Ion: 114 Resp: 2637785

Ion	Ratio	Lower	Upper
114	100		
63	27.0	19.7	29.5
88	19.1	14.4	21.6





#38

Trichloroethene

Concen: 0.267 ppbv

RT: 7.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Nov 2021 13:41 SVP-2DL

Tot Ion:130 Resp: 26497

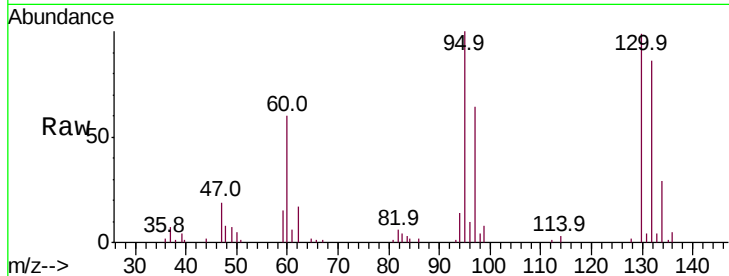
Ion Ratio Lower Upper

130 100

95 101.0 89.4 134.2

132 85.9 78.2 117.2

97 65.0 57.0 85.4

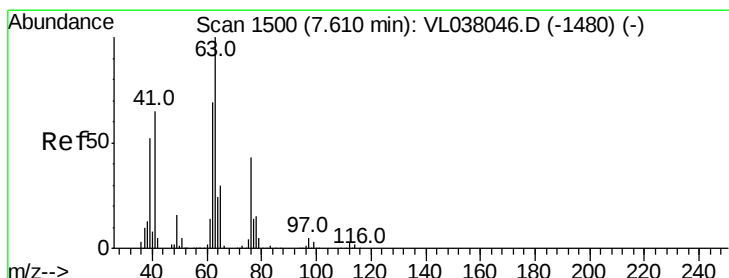
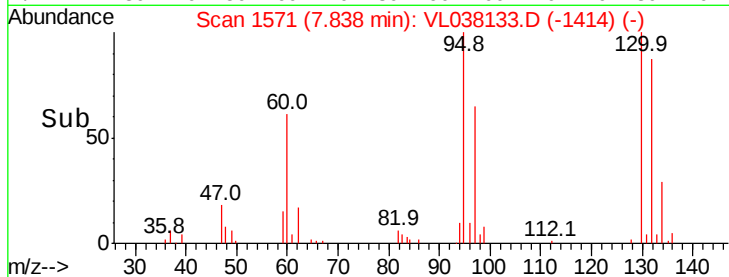
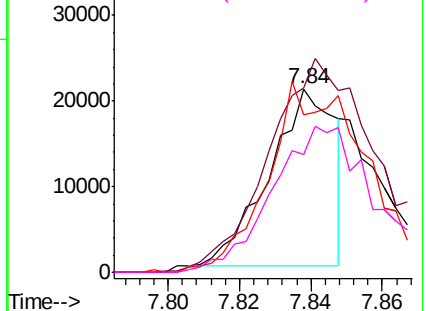


Abundance Ion 130.00 (129.70 to 130.70): V

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: 6.792 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.43 min

Lab File: VL038133.D

Acq: 29 Nov 2021 13:41

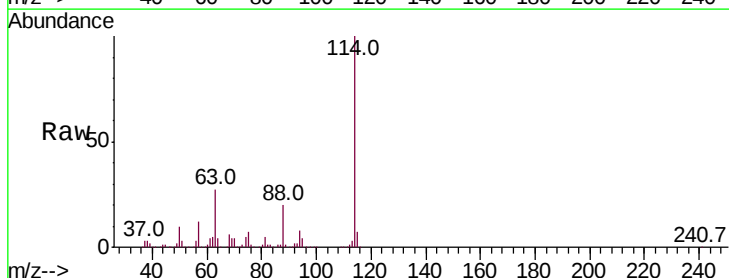
Tgt Ion: 63 Resp: 685550

Ion Ratio Lower Upper

63 100

41 0.1 52.3 78.5#

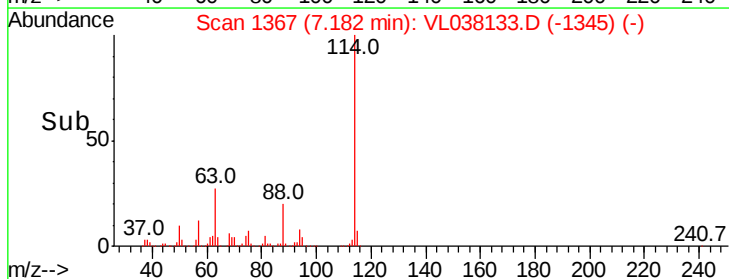
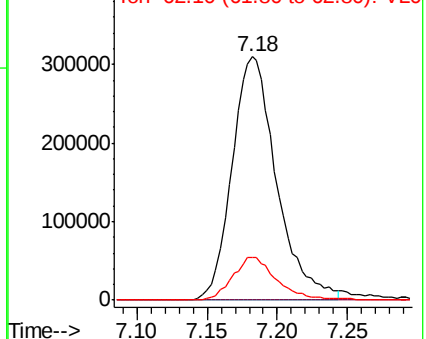
62 17.6 55.1 82.7#

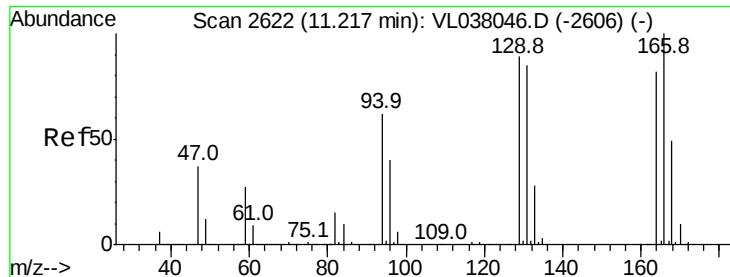


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 18.303 ppbv

RT: 11.23

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Nov 2021 13:41

Tot Ion:164 Resp: 1782019

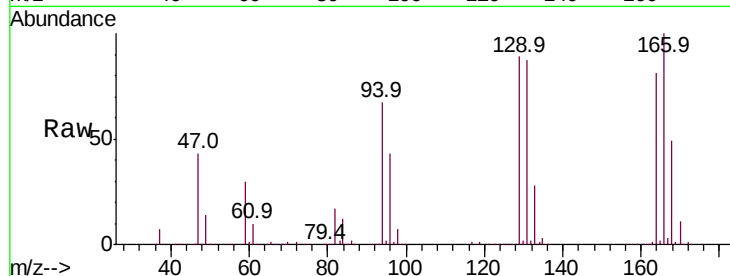
Ion Ratio Lower Upper

164 100

166 123.8 97.2 145.8

129 110.2 86.9 130.3

131 107.9 82.8 124.2

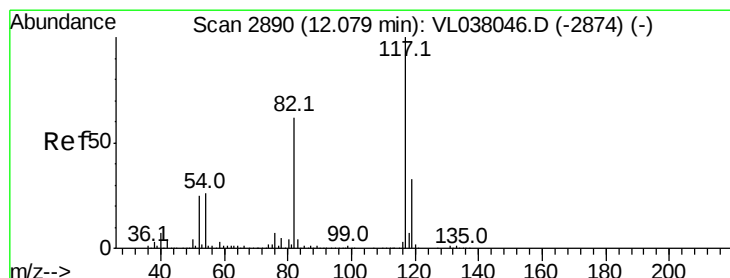
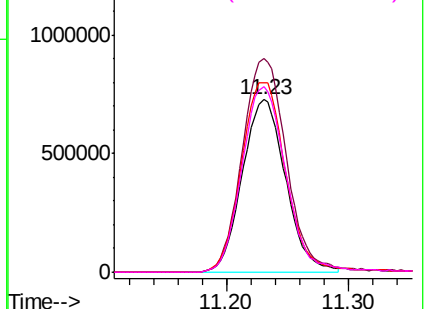
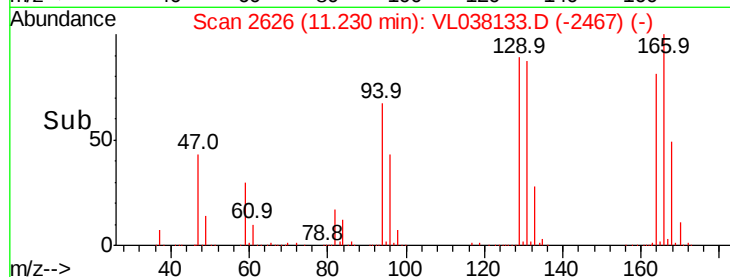


Abundance Ion 163.90 (163.60 to 164.60): V

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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. 0.01 min

Lab File: VL038133.D

Acq: 29 Nov 2021 13:41

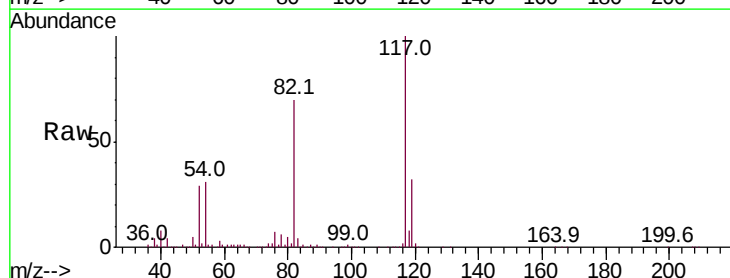
Tgt Ion:117 Resp: 2270491

Ion Ratio Lower Upper

117 100

82 74.6 52.8 79.2

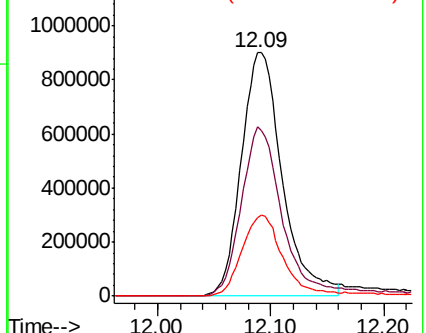
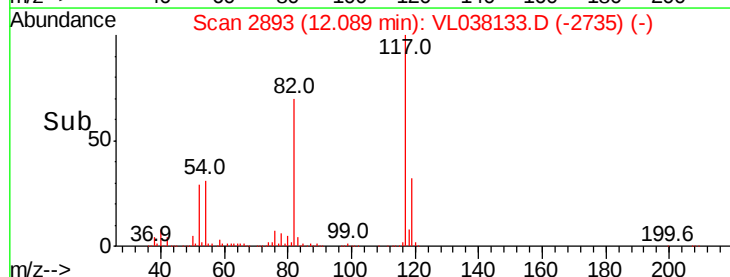
119 35.9 26.8 40.2

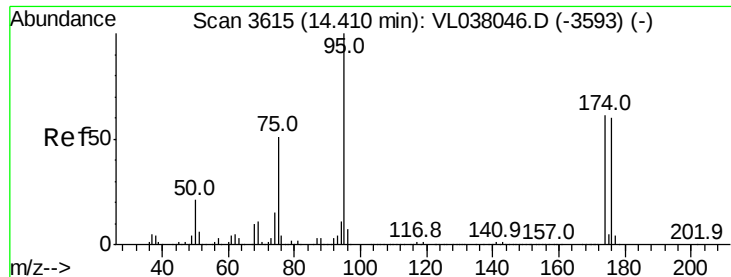


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 11.346 ppbv

RT: 14.42 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

SVP-2DL

Acq: 29 Nov 2021 13:41

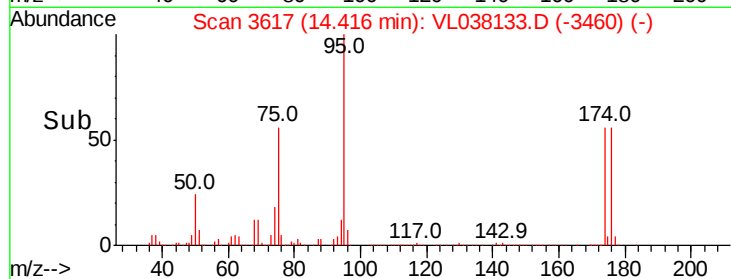
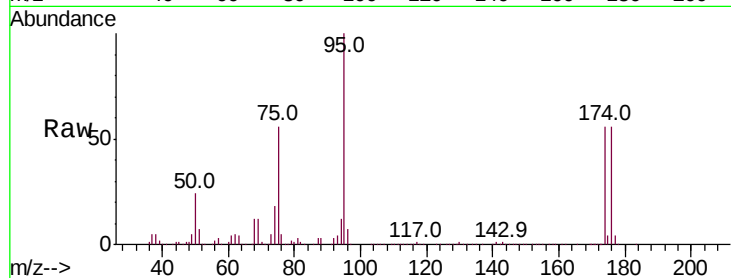
Tot Ion: 95 Resp: 1858240

Ion Ratio Lower Upper

95 100

174 61.7 53.1 79.7

175 4.3 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

