

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111921\
 Data File : VL038082.D
 Acq On : 19 Nov 2021 13:09
 Operator : SY/AP
 Sample : M4751-01DL2 100X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-1DL2

Quant Time: Nov 22 06:35:38 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	5.65	49	848851	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2402806	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	2051408	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1592088	10.76	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.60%

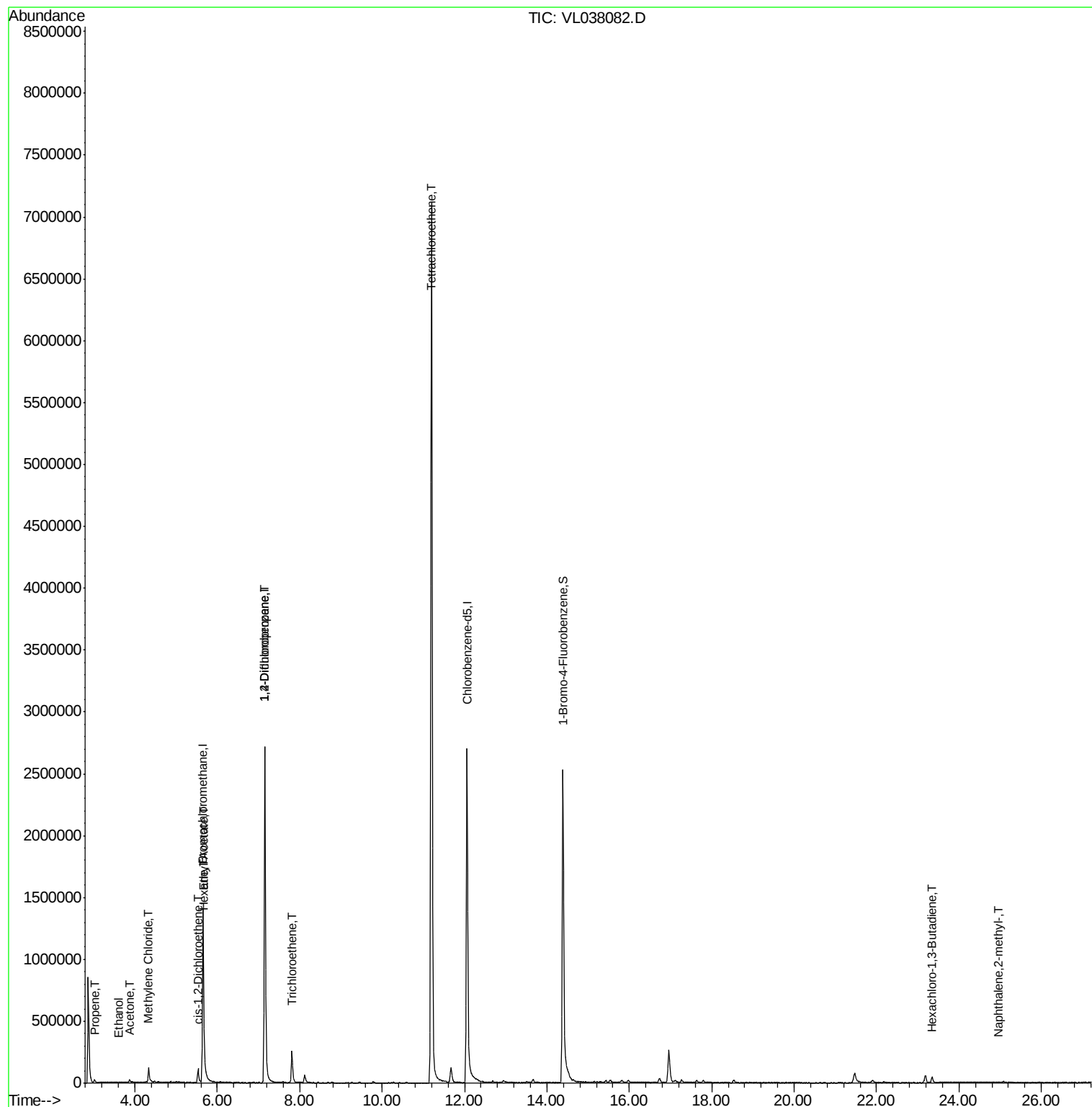
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	7114	0.108	ppbv	98
13) Ethanol	3.59	45	253	0.040	ppbv #	32
15) Acetone	3.87	43	16777	0.228	ppbv	90
20) Methylene Chloride	4.34	84	49926	1.211	ppbv	96
25) Ethyl Acetate	5.67	43	13189	0.054	ppbv #	76
26) Hexane	5.67	57	25059	0.213	ppbv #	51
31) cis-1,2-Dichloroethene	5.53	61	74168	0.661	ppbv	99
38) Trichloroethene	7.81	130	58420	0.646	ppbv	99
39) 1,2-Dichloropropane	7.15	63	582291	6.333	ppbv #	26
52) Tetrachloroethene	11.20	164	2052149	23.139	ppbv	98
78) Hexachloro-1,3-Butadiene	23.34	225	3691	0.038	ppbv #	1
80) Naphthalene,2-methyl-	24.95	142	2592	0.079	ppbv	97

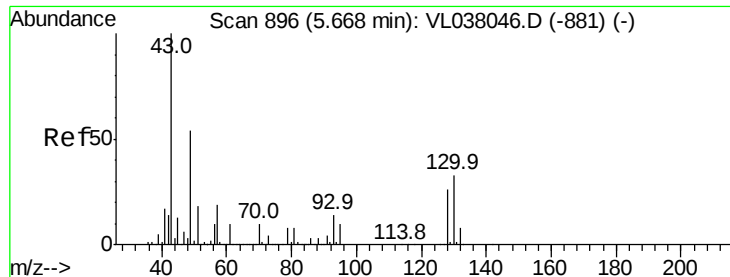
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111921\
Data File : VL038082.D
Acq On : 19 Nov 2021 13:09
Operator : SY/AP
Sample : M4751-01DL2 100X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SVP-1DL2

Quant Time: Nov 22 06:35:38 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: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SVP-1DL2

Acq: 19 Nov 2021 13:09

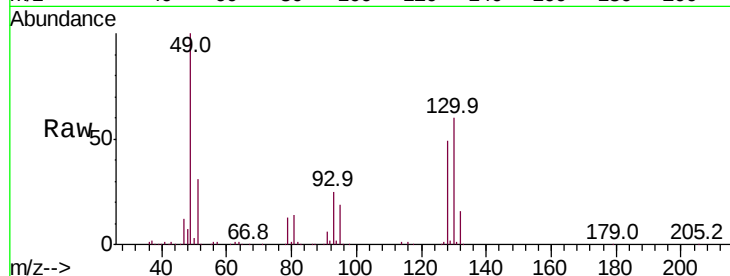
Tot Ion: 49 Resp: 848851

Ion Ratio Lower Upper

49 100

128 50.0 26.5 79.5

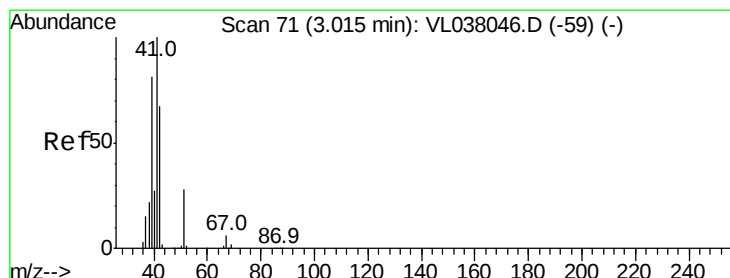
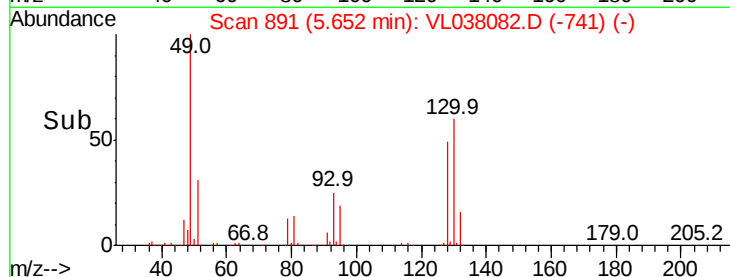
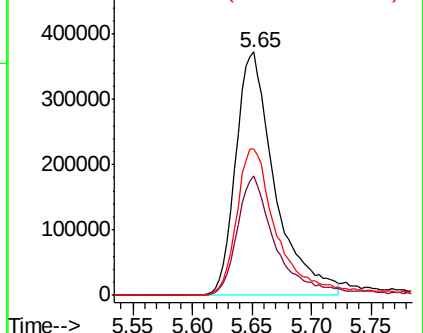
130 64.8 32.5 97.4



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: 0.108 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL038082.D

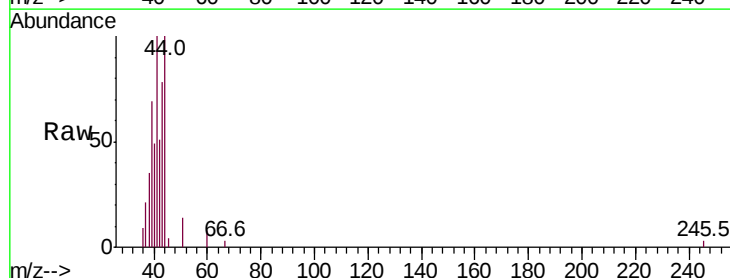
Acq: 19 Nov 2021 13:09

Tgt Ion: 41 Resp: 7114

Ion Ratio Lower Upper

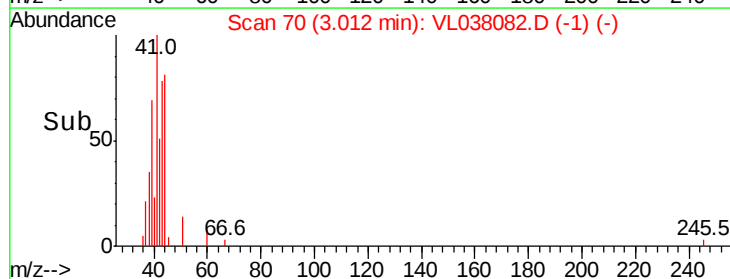
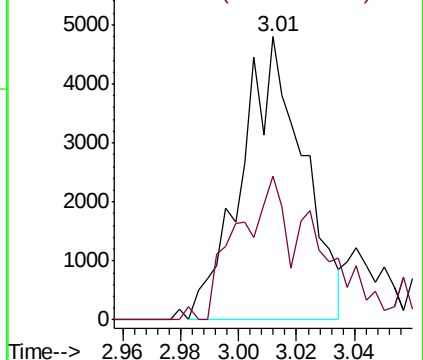
41 100

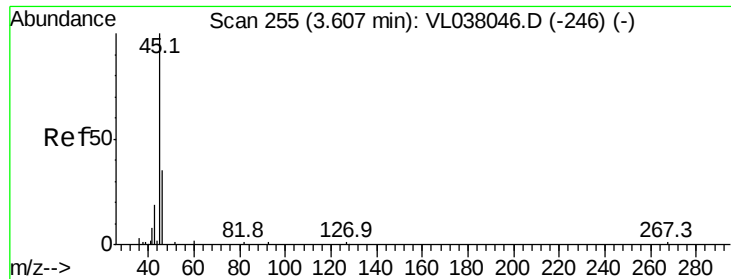
42 68.6 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

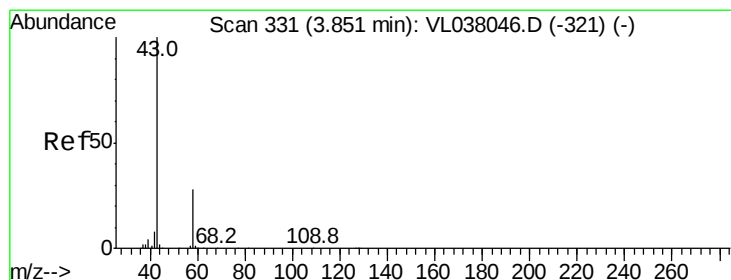
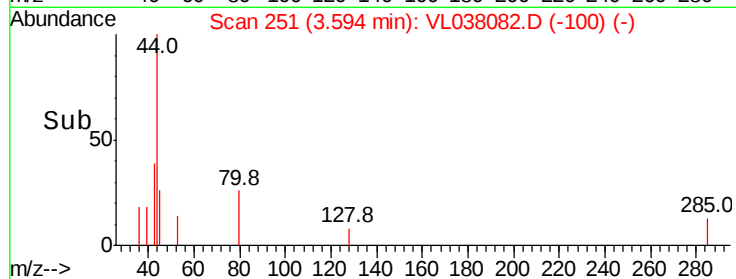
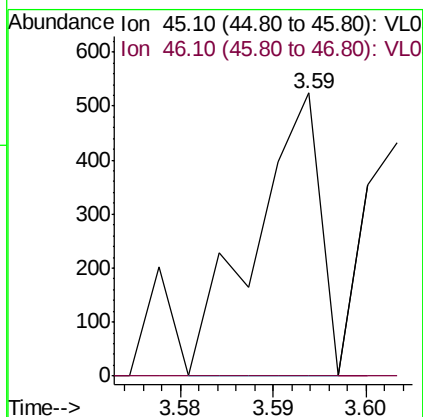
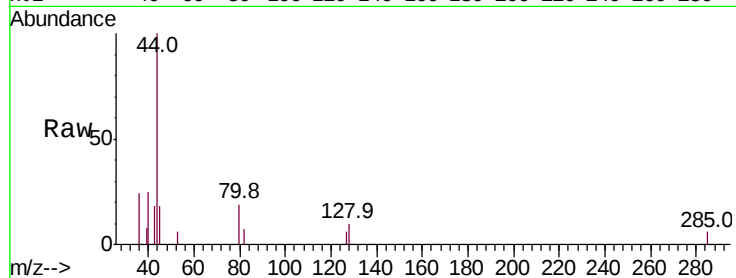
Ion 42.10 (41.80 to 42.80): VL0





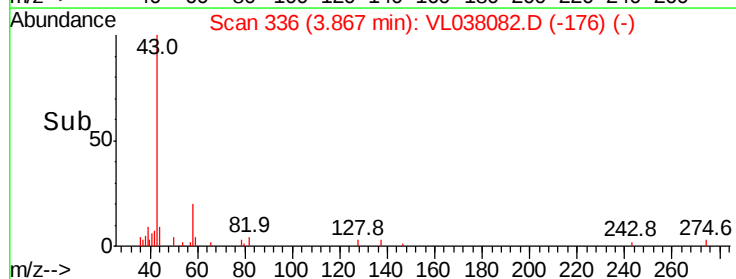
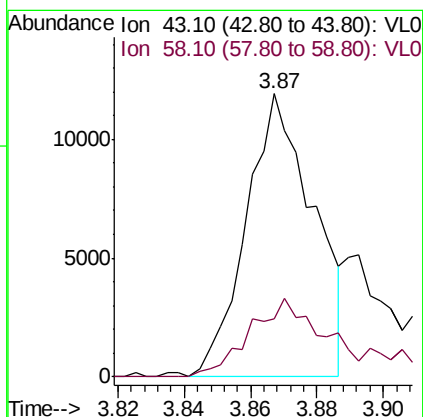
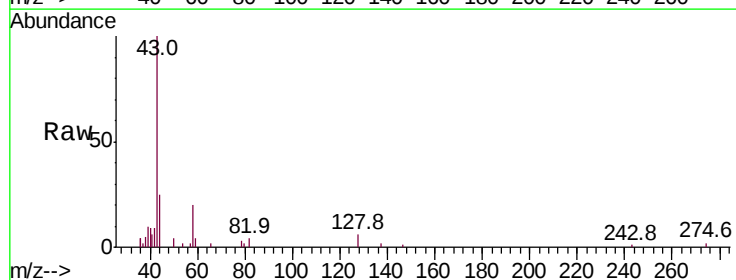
#13
Ethanol
Concen: 0.040 ppbv
RT: 3.59
Delta R.T. MSVOA.L
Lab File: ClientSampleId:
Acq: 19 Nov 2021 13:09

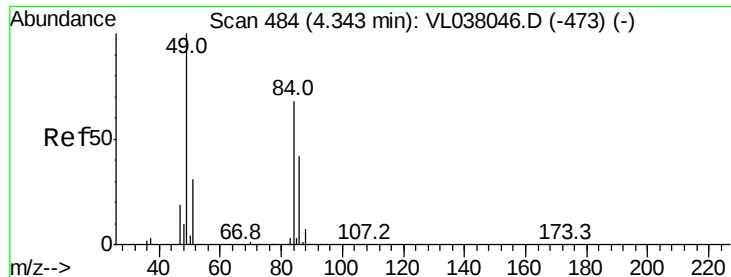
Tot Ion: 45 Resp: 253
Ion Ratio Lower Upper
45 100
46 0.0 17.6 70.2#



#15
Acetone
Concen: 0.228 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.02 min
Lab File: VL038082.D
Acq: 19 Nov 2021 13:09

Tgt Ion: 43 Resp: 16777
Ion Ratio Lower Upper
43 100
58 33.3 22.4 33.6





#20

Methvlene Chloride

Concen: 1.211 ppbv

RT: 4.34 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

SVP-1DL2

Acq: 19 Nov 2021 13:09

Tot Ion: 84 Resp: 49926

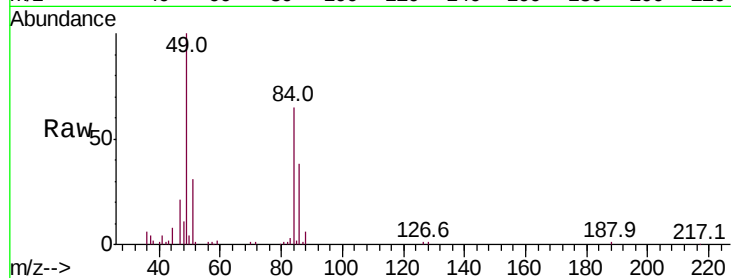
Ion Ratio Lower Upper

84 100

49 153.0 118.2 177.2

51 46.8 36.8 55.2

86 57.6 49.0 73.6

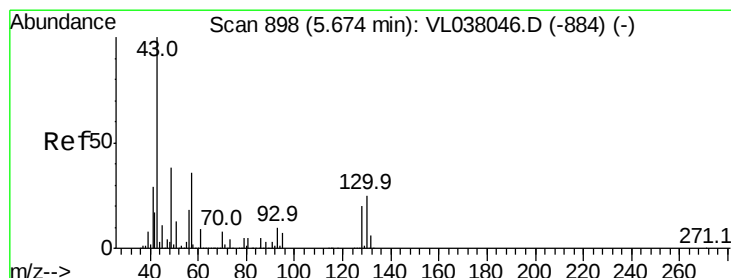
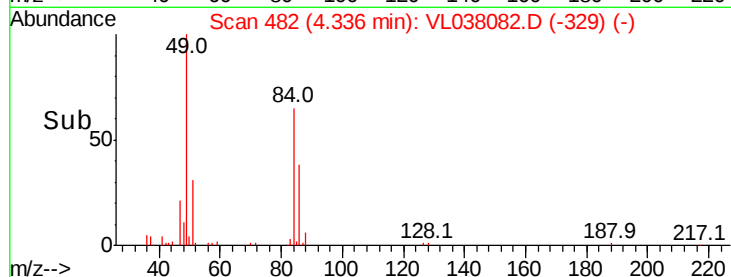
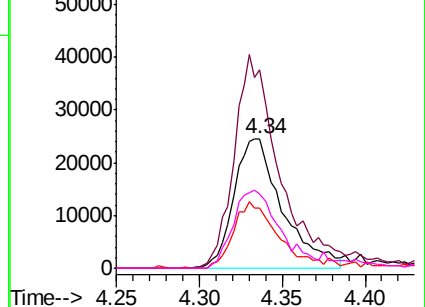


Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 0.054 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL038082.D

Acq: 19 Nov 2021 13:09

Tgt Ion: 43 Resp: 13189

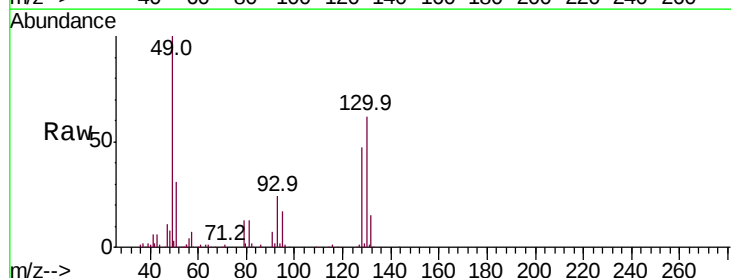
Ion Ratio Lower Upper

43 100

45 1.4 7.9 11.9#

61 0.0 7.8 11.6#

70 0.0 5.8 8.8#

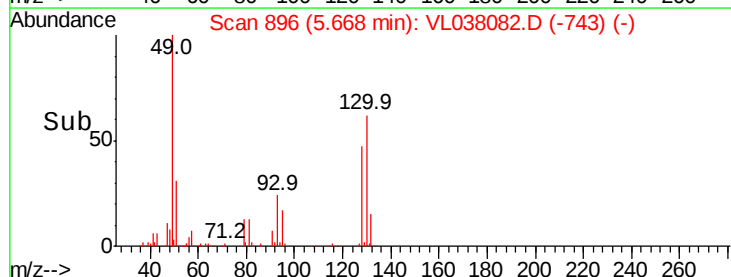
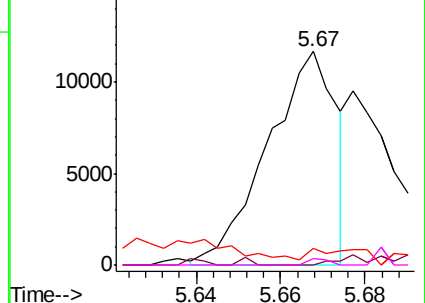


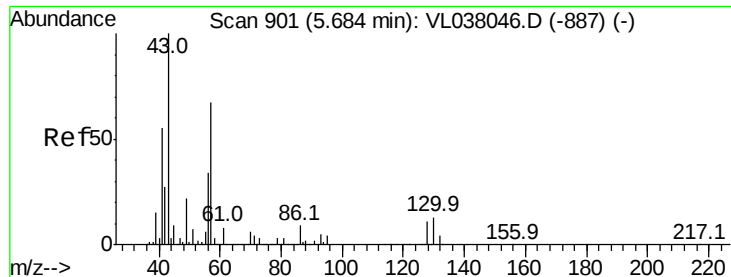
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.213 ppbv

RT: 5.67

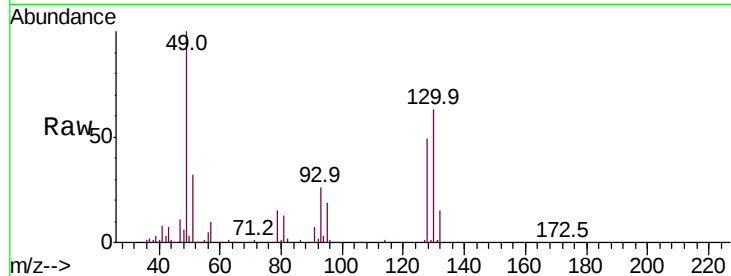
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 19 Nov 2021 13:09

Tot Ion: 57 Resp: 25059

Ion	Ratio	Lower	Upper
57	100		
41	97.2	71.4	107.2
43	98.8	174.6	261.8#
56	61.9	43.2	64.8

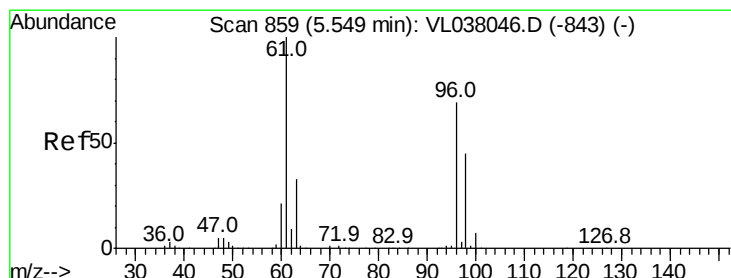
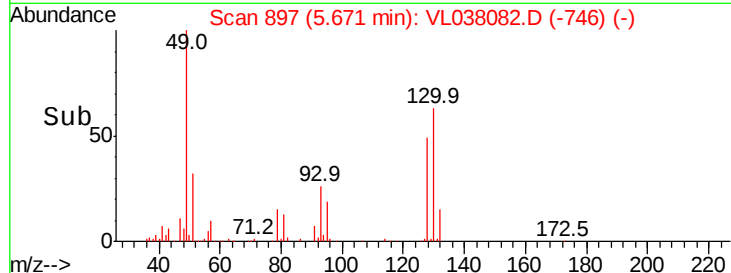
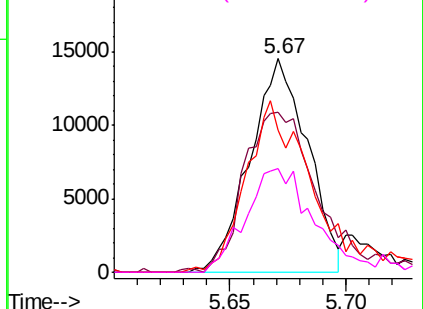


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#31

cis-1,2-Dichloroethene

Concen: 0.661 ppbv

RT: 5.53 min Scan# 854

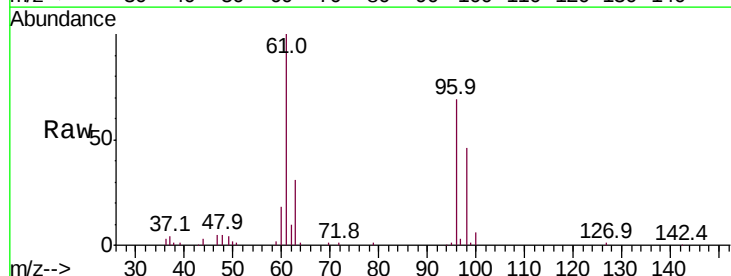
Delta R.T. -0.02 min

Lab File: VL038082.D

Acq: 19 Nov 2021 13:09

Tgt Ion: 61 Resp: 74168

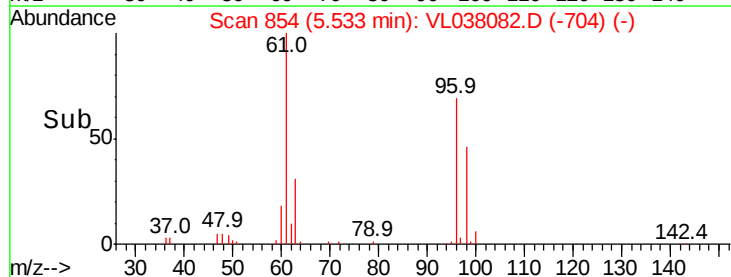
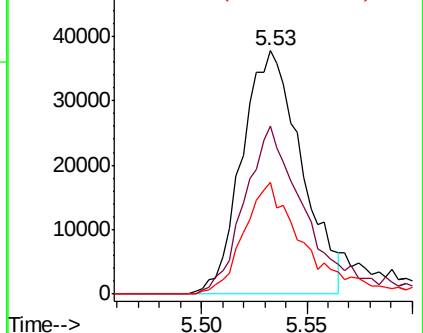
Ion	Ratio	Lower	Upper
61	100		
96	69.0	55.4	83.2
98	46.1	35.7	53.5

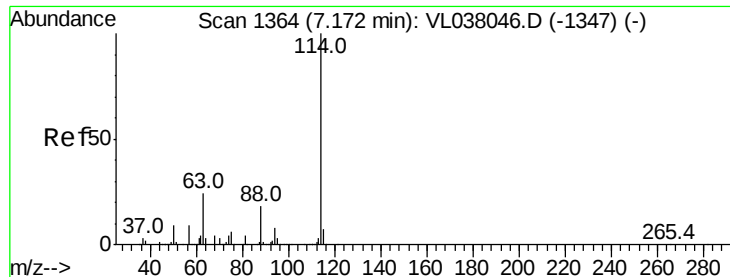


Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

SVP-1DL2

Acq: 19 Nov 2021 13:09

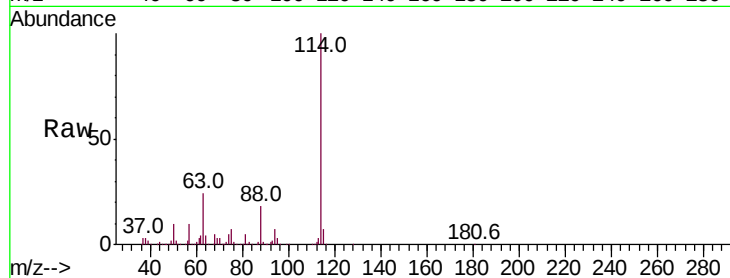
Tot Ion:114 Resp: 2402806

Ion Ratio Lower Upper

114 100

63 25.2 19.7 29.5

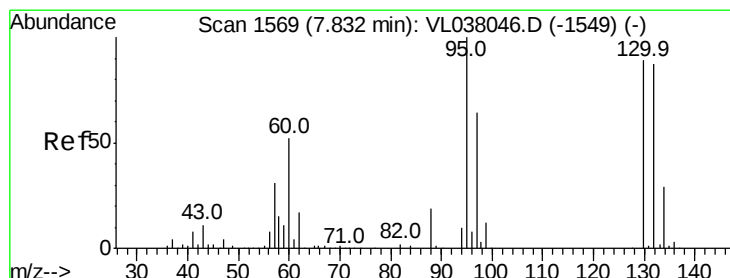
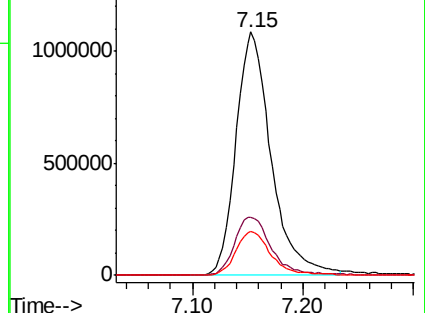
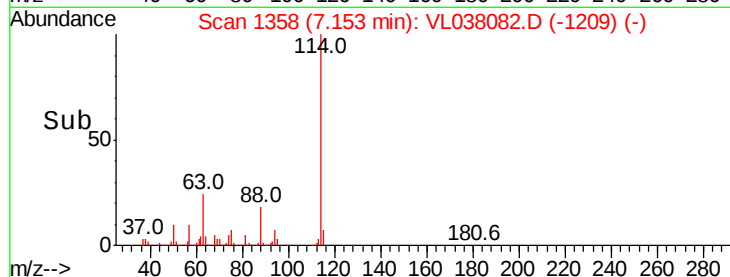
88 18.5 14.4 21.6



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: 0.646 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.02 min

Lab File: VL038082.D

Acq: 19 Nov 2021 13:09

Tgt Ion:130 Resp: 58420

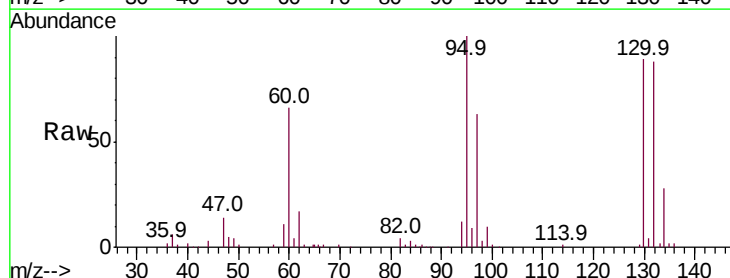
Ion Ratio Lower Upper

130 100

95 112.7 89.4 134.2

132 99.7 78.2 117.2

97 70.5 57.0 85.4

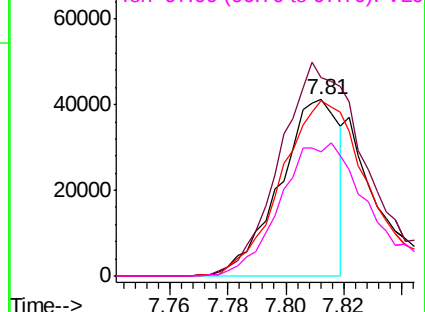
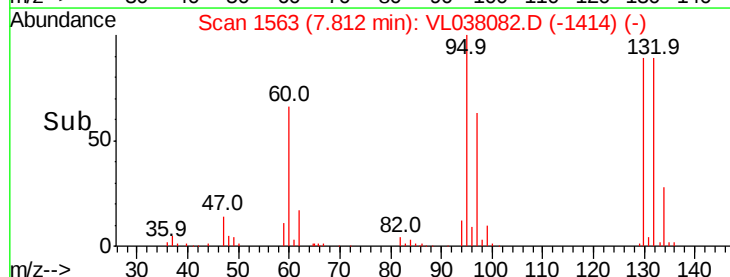


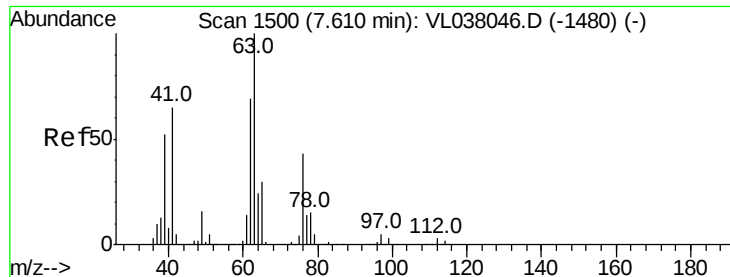
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

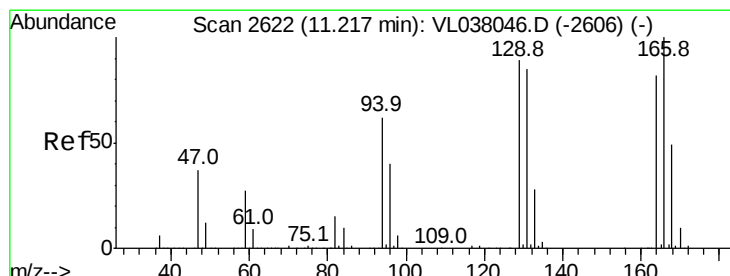
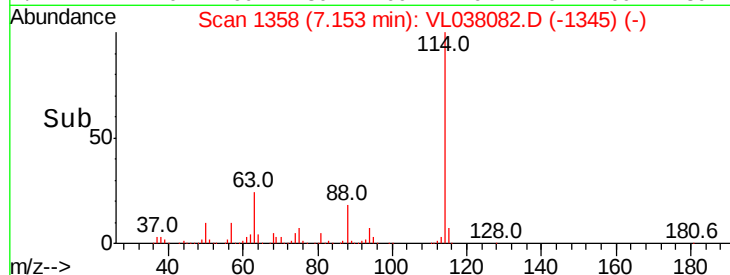
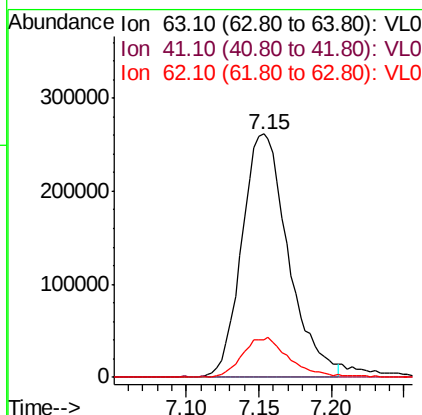
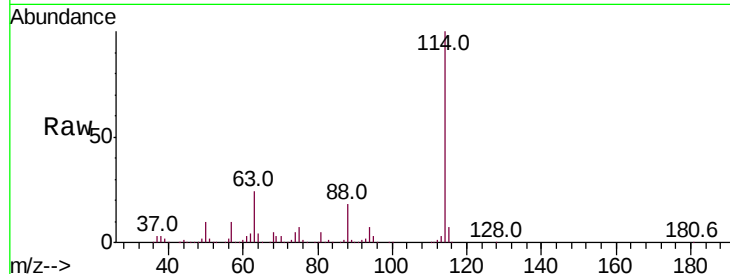
Ion 97.00 (96.70 to 97.70): VL0





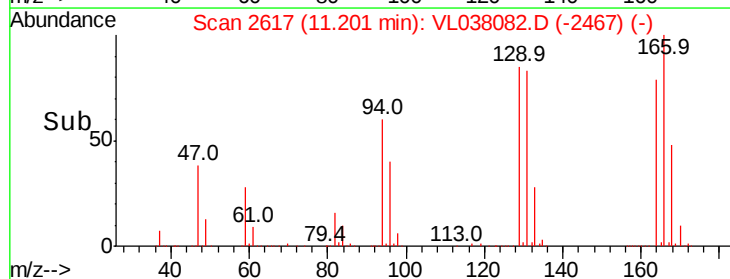
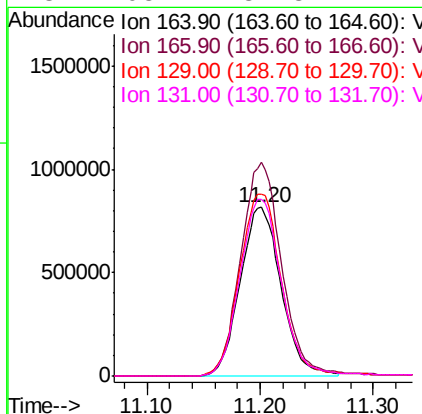
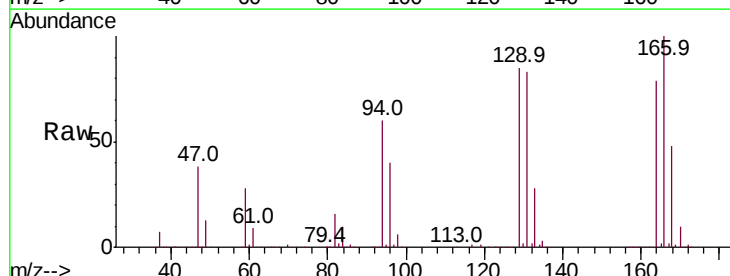
#39
 1,2-Dichloropropane
 Concen: 6.333 ppbv
 RT: 7.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampled :
 SVP-1DL2
 Acq: 19 Nov 2021 13:09

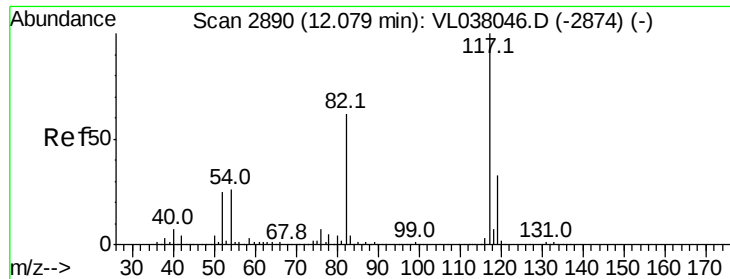
Tot Ion: 63 Resp: 582291
 Ion Ratio Lower Upper
 63 100
 41 0.0 52.3 78.5#
 62 15.5 55.1 82.7#



#52
 Tetrachloroethene
 Concen: 23.139 ppbv
 RT: 11.20 min Scan# 2617
 Delta R.T. -0.02 min
 Lab File: VL038082.D
 Acq: 19 Nov 2021 13:09

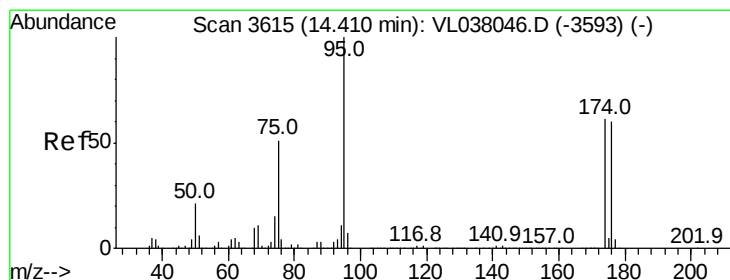
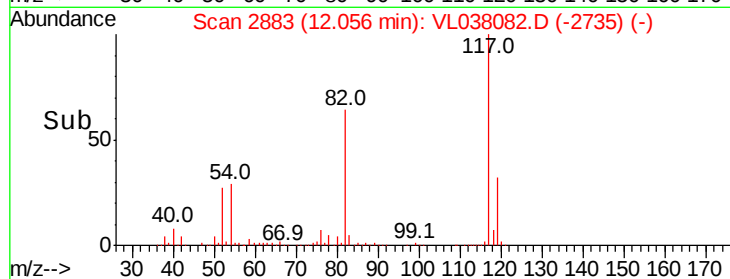
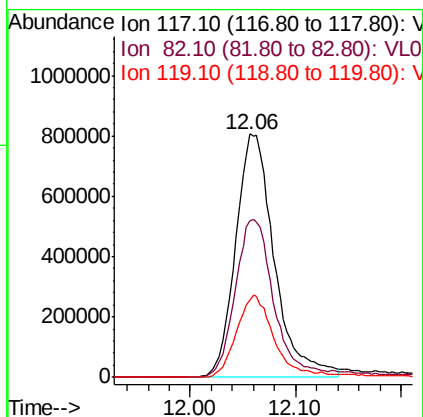
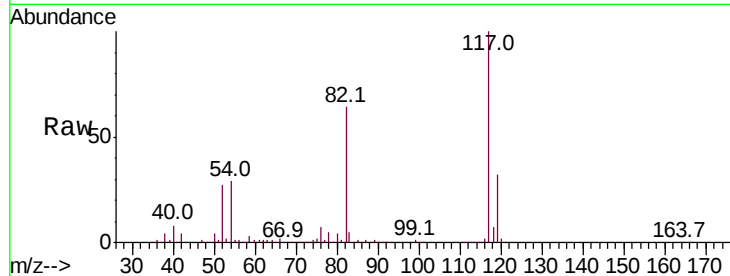
Tgt Ion:164 Resp: 2052149
 Ion Ratio Lower Upper
 164 100
 166 126.7 97.2 145.8
 129 107.9 86.9 130.3
 131 105.1 82.8 124.2





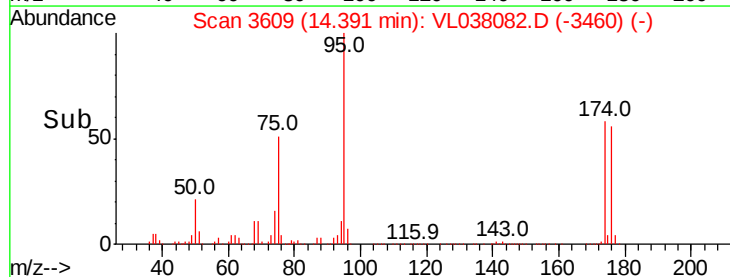
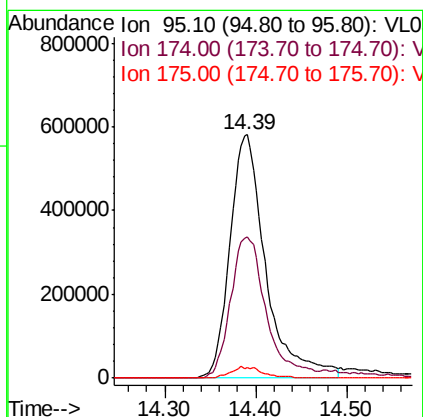
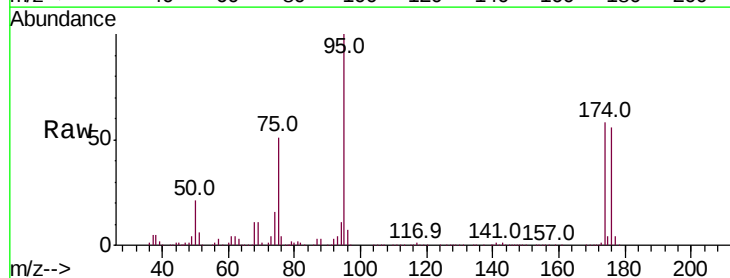
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 SVP-1DL2
 Acq: 19 Nov 2021 13:09

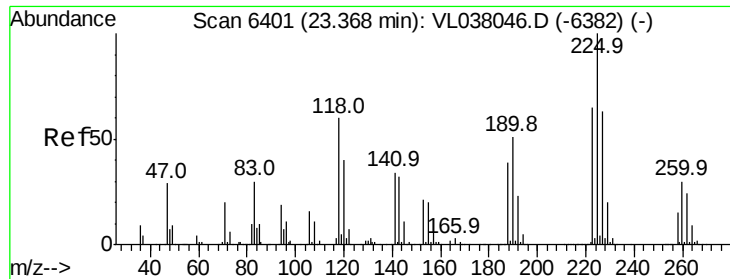
Tot Ion:117 Resp: 2051408
 Ion Ratio Lower Upper
 117 100
 82 70.2 52.8 79.2
 119 34.3 26.8 40.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.759 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T.: -0.02 min
 Lab File: VL038082.D
 Acq: 19 Nov 2021 13:09

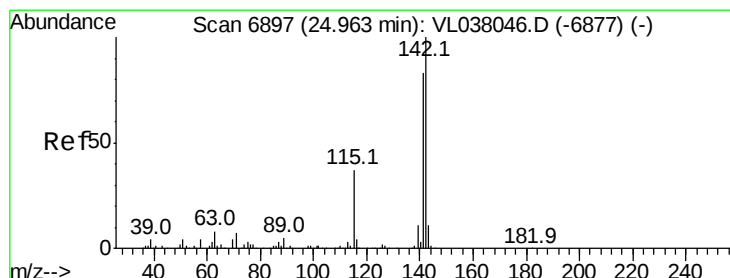
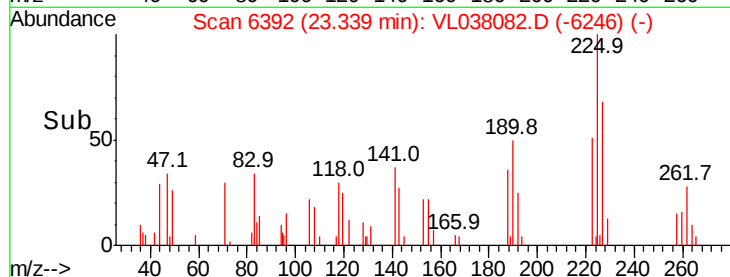
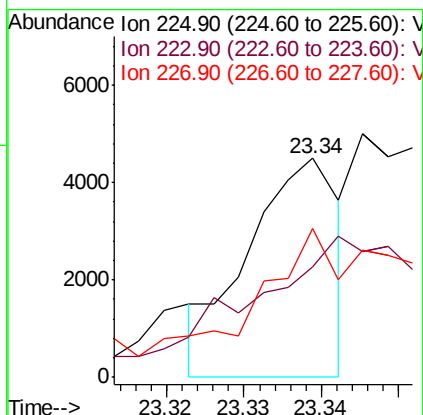
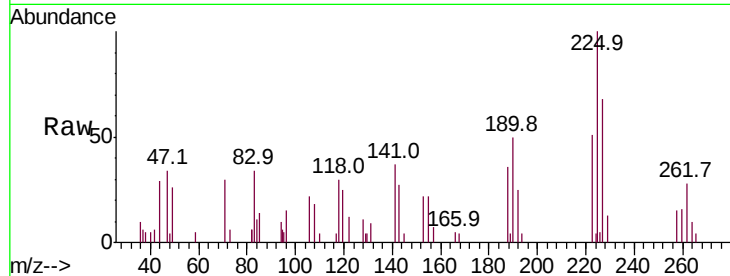
Tgt Ion: 95 Resp: 1592088
 Ion Ratio Lower Upper
 95 100
 174 62.8 53.1 79.7
 175 4.4 4.0 6.0





#78
 Hexachloro-1,3-Butadiene
 Concen: 0.038 ppbv
 RT: 23.34 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 SVP-1DL2
 Acq: 19 Nov 2021 13:09

Tot Ion: 225 Resp: 3691
 Ion Ratio Lower Upper
 225 100
 223 0.0 52.3 78.5#
 227 199.5 52.4 78.6#



#80
 Naphthalene, 2-methyl-
 Concen: 0.079 ppbv
 RT: 24.95 min Scan# 6892
 Delta R.T.: -0.02 min
 Lab File: VL038082.D
 Acq: 19 Nov 2021 13:09

Tgt Ion: 142 Resp: 2592
 Ion Ratio Lower Upper
 142 100
 141 86.9 67.3 100.9
 115 34.6 28.9 43.3

