

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL083122\
 Data File : VL039607.D
 Acq On : 31 Aug 2022 14:04
 Operator : SY/AP
 Sample : N4408-02DL 20X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-EFF-082222DL

Quant Time: Aug 31 23:45:02 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.21	49	970466	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	6.67	114	2543170	10.00	ppbv	0.01
55) Chlorobenzene-d5	11.48	117	2212573	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.79	95	1570634	9.41	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.10%

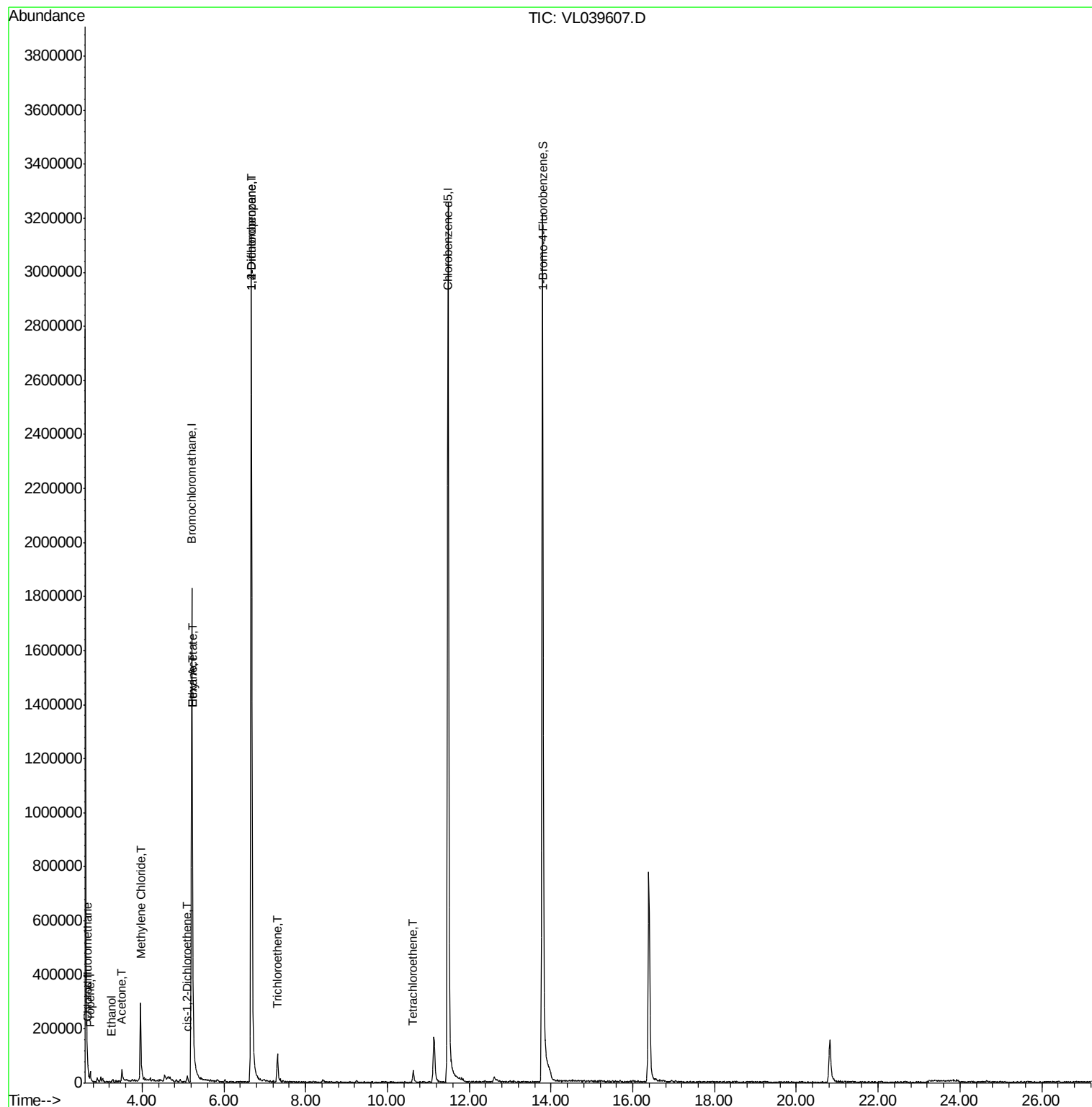
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.68	51	3691	0.032	ppbv #	57
9) Propene	2.74	41	8790	0.166	ppbv	89
13) Ethanol	3.26	45	673	0.177	ppbv #	23
15) Acetone	3.51	43	48491	0.446	ppbv	92
20) Methylene Chloride	3.96	84	86864	1.967	ppbv	92
25) Ethyl Acetate	5.24	43	27180	0.117	ppbv #	79
26) Hexane	5.24	57	37507	0.395	ppbv #	39
31) cis-1,2-Dichloroethene	5.10	61	4814	0.052	ppbv #	87
38) Trichloroethene	7.31	130	32554	0.313	ppbv	86
39) 1,2-Dichloropropane	6.67	63	614630	8.433	ppbv #	26
52) Tetrachloroethene	10.63	164	3862	0.053	ppbv #	20

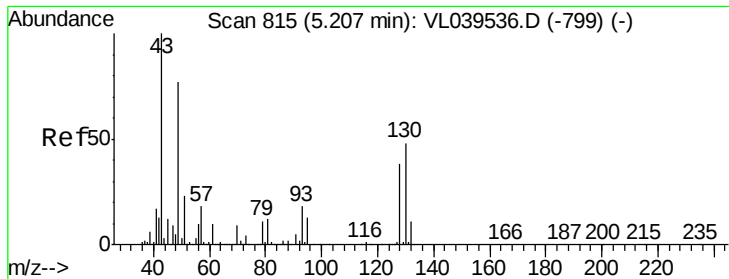
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SVE-EFF-082222DL

Quant Time: Aug 31 23:45:02 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081722AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Aug 26 06:05:16 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.21 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 31 Aug 2022 14:04 SVE-EFF-082222DL

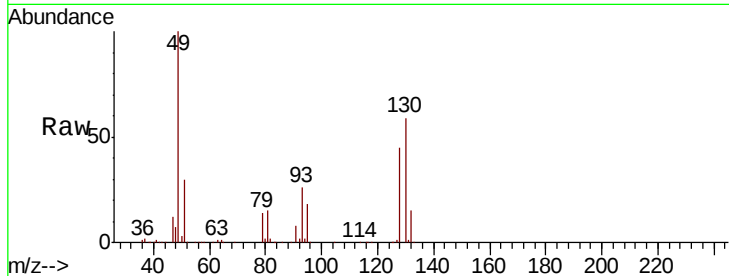
Tot Ion: 49 Resp: 970466

Ion Ratio Lower Upper

49 100

128 50.7 26.7 80.0

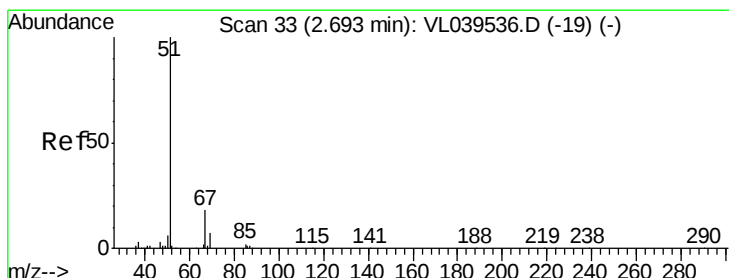
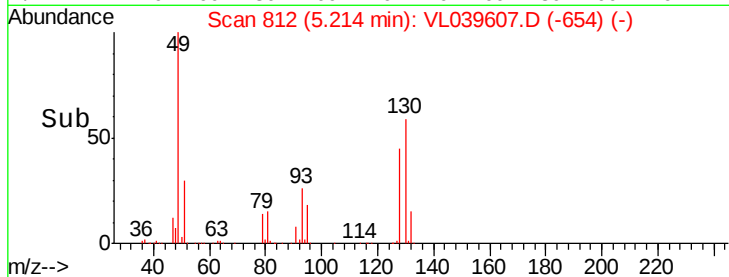
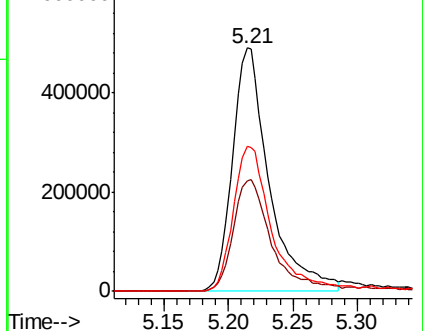
130 64.7 34.3 102.8



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



#3

Chlorodifluoromethane

Concen: 0.032 ppbv

RT: 2.68 min Scan# 25

Delta R.T. -0.01 min

Lab File: VL039607.D

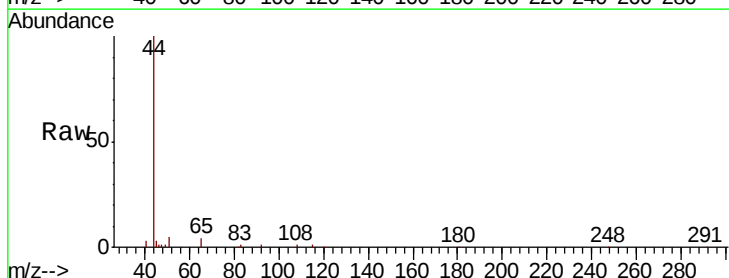
Acq: 31 Aug 2022 14:04

Tgt Ion: 51 Resp: 3691

Ion Ratio Lower Upper

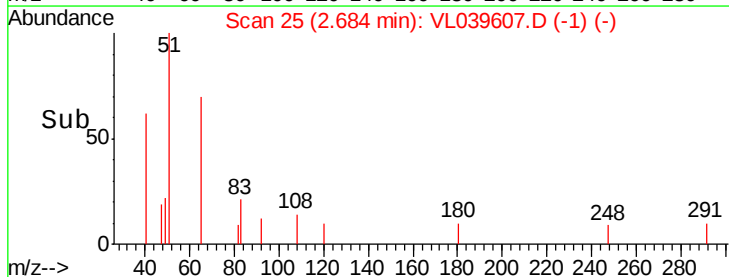
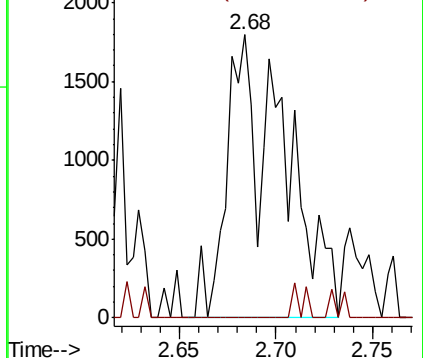
51 100

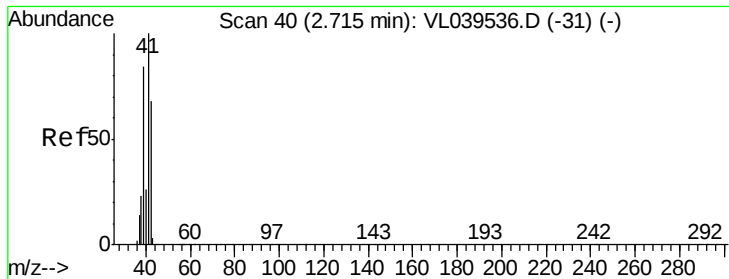
67 0.0 15.7 23.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.166 ppbv

RT: 2.74 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

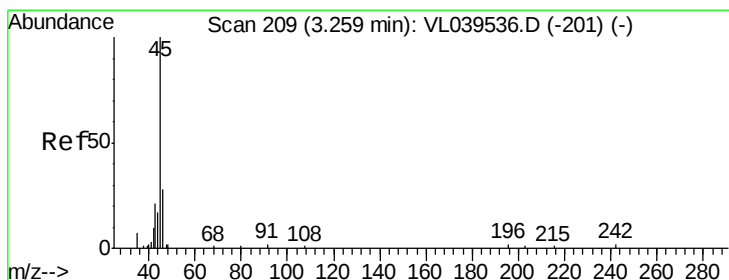
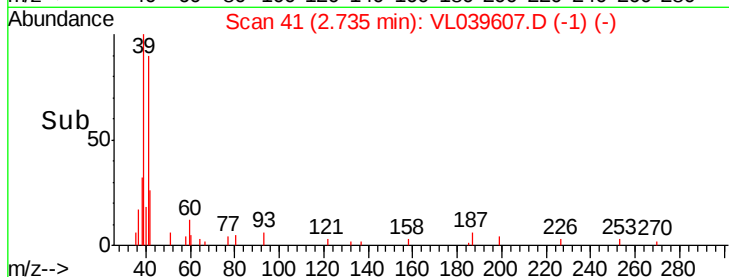
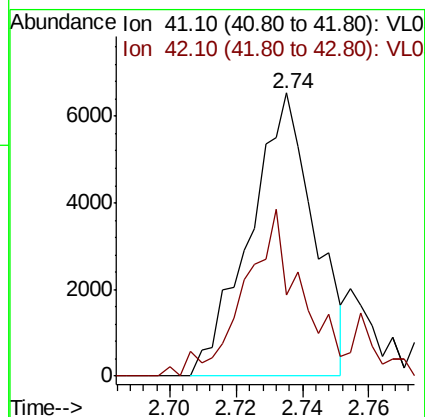
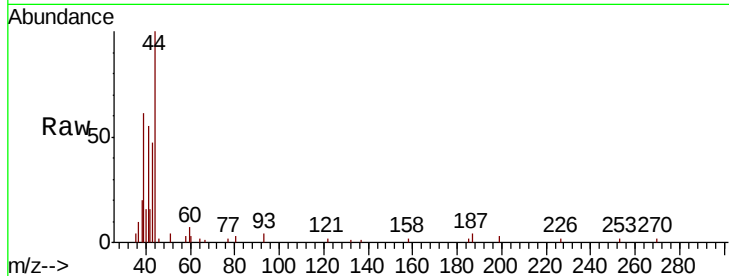
Acq: 31 Aug 2022 14:04

Tot Ion: 41 Resp: 8790

Ion Ratio Lower Upper

41 100

42 60.1 55.2 82.8



#13

Ethanol

Concen: 0.177 ppbv

RT: 3.26 min Scan# 203

Delta R.T. -0.00 min

Lab File: VL039607.D

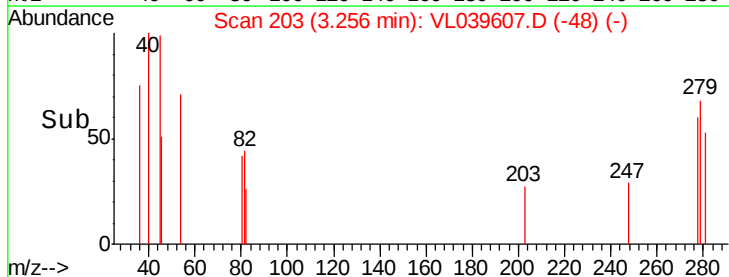
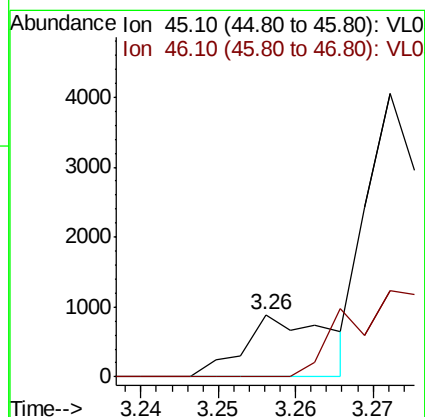
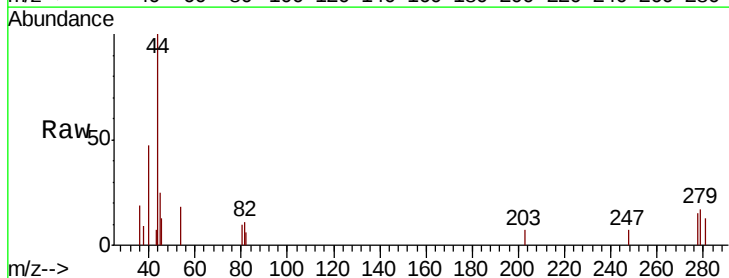
Acq: 31 Aug 2022 14:04

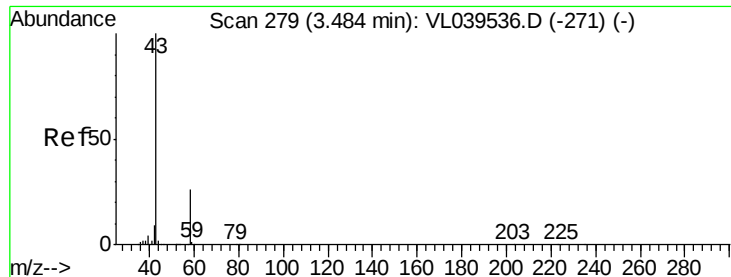
Tgt Ion: 45 Resp: 673

Ion Ratio Lower Upper

45 100

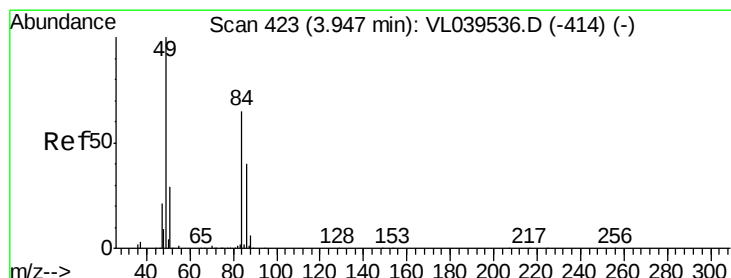
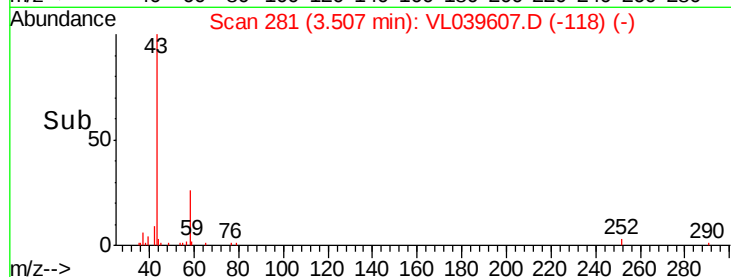
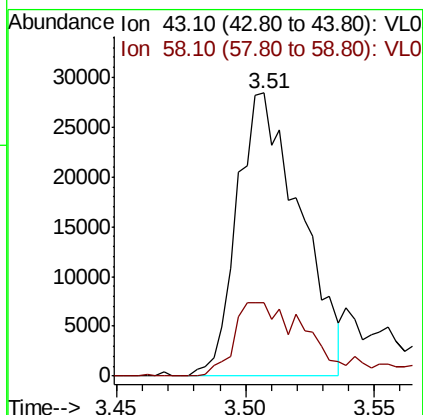
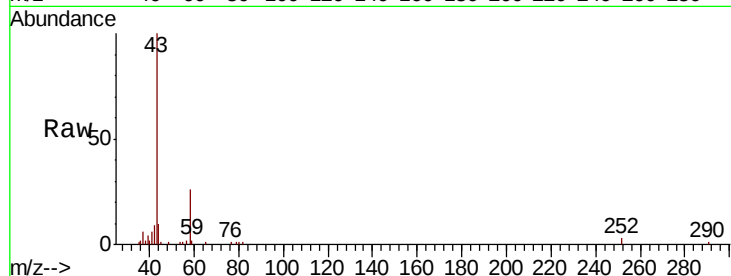
46 0.0 22.8 91.2#





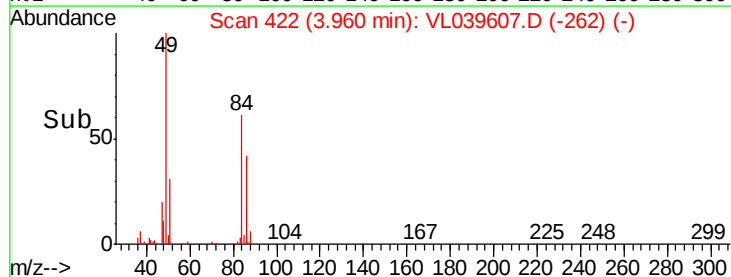
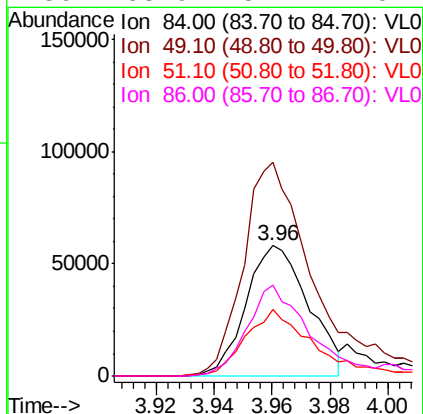
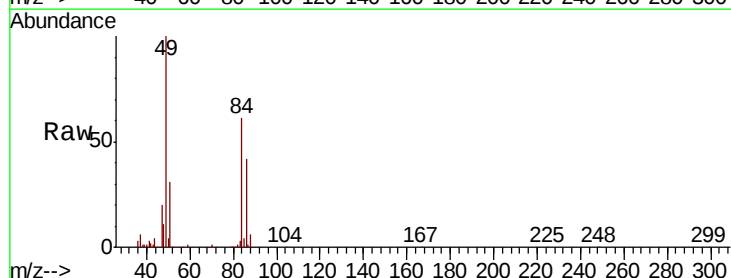
#15
Acetone
Concen: 0.446 ppbv
RT: 3.51
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SVE-EFF-082222DL
Acq: 31 Aug 2022 14:04

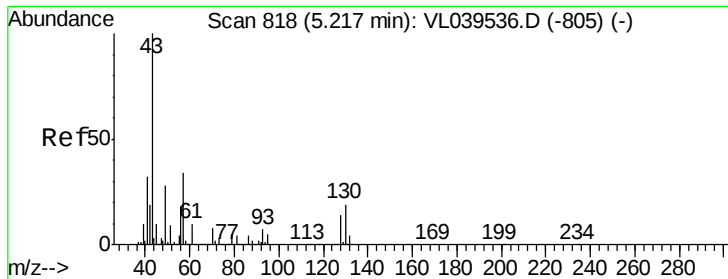
Tot Ion: 43 Resp: 48491
Ion Ratio Lower Upper
43 100
58 30.3 21.0 31.6



#20
Methylene Chloride
Concen: 1.967 ppbv
RT: 3.96 min Scan# 422
Delta R.T. 0.01 min
Lab File: VL039607.D
Acq: 31 Aug 2022 14:04

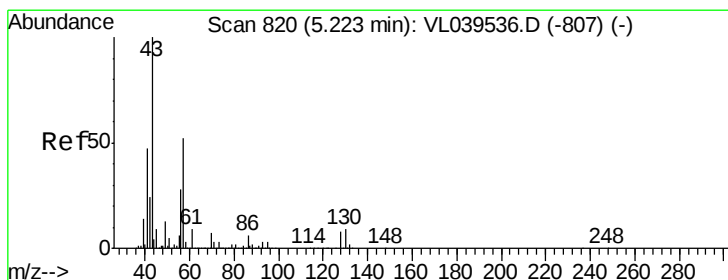
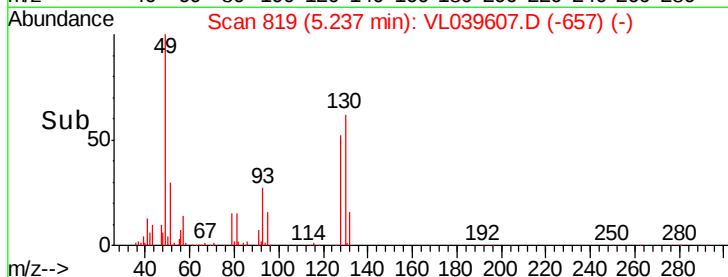
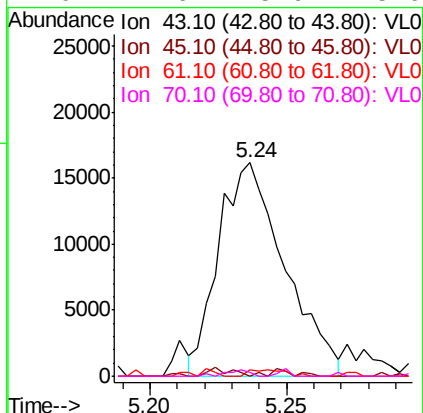
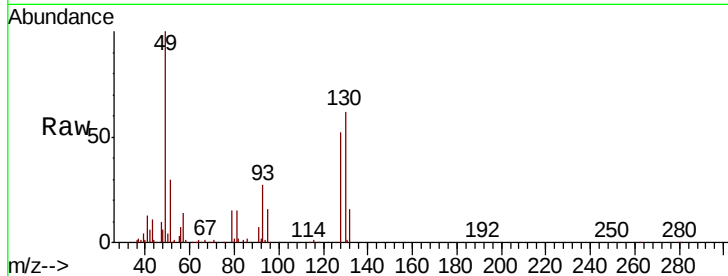
Tgt Ion: 84 Resp: 86864
Ion Ratio Lower Upper
84 100
49 163.2 123.1 184.7
51 49.9 34.4 51.6
86 68.9 51.1 76.7





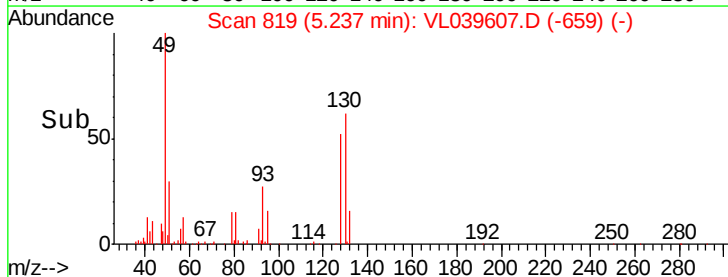
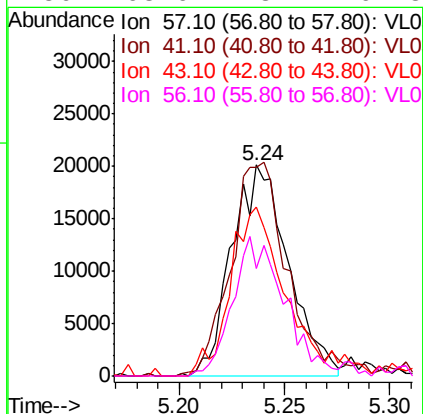
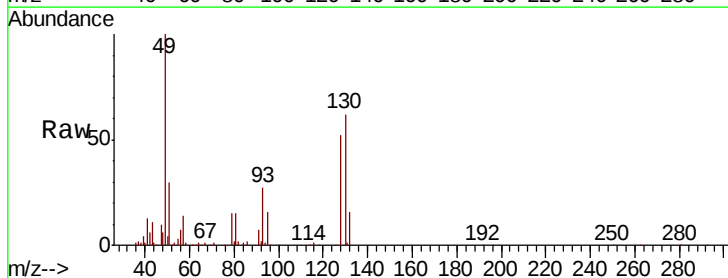
#25
Ethyl Acetate
Concen: 0.117 ppbv
RT: 5.24 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 31 Aug 2022 14:04

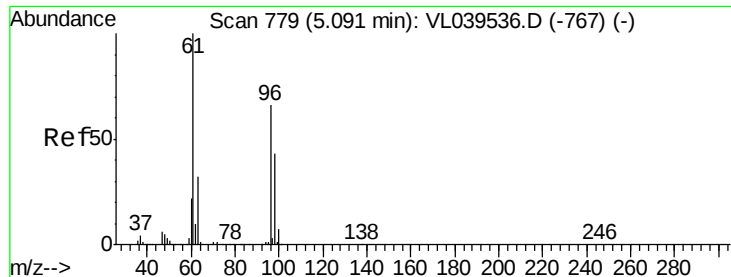
Tot Ion:	43	Resp:	27180
Ion	Ratio	Lower	Upper
43	100		
45	2.6	8.2	12.4#
61	1.6	8.3	12.5#
70	1.6	5.9	8.9#



#26
Hexane
Concen: 0.395 ppbv
RT: 5.24 min Scan# 819
Delta R.T. 0.01 min
Lab File: VL039607.D
Acq: 31 Aug 2022 14:04

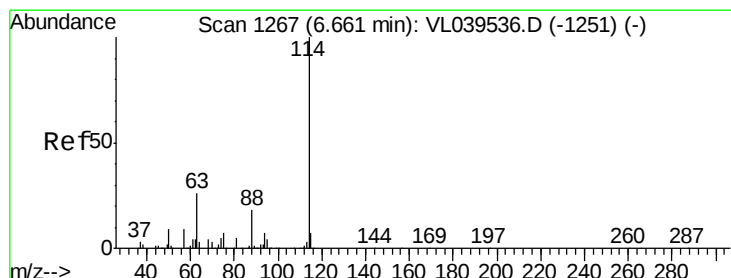
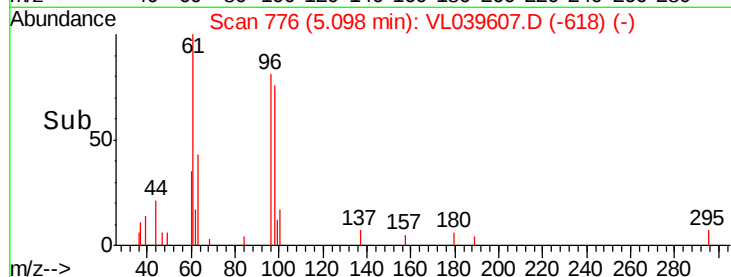
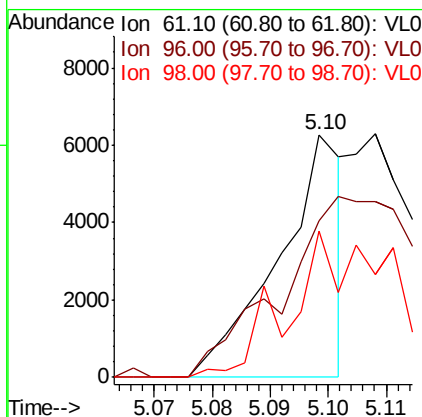
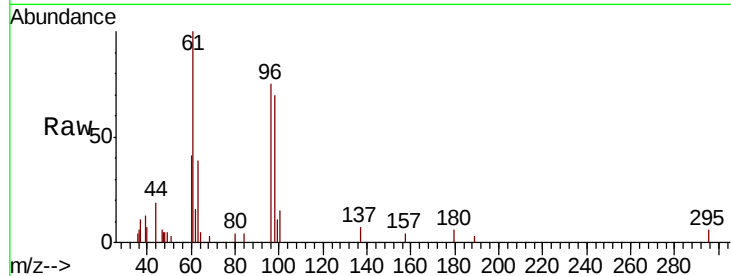
Tgt Ion:	57	Resp:	37507
Ion	Ratio	Lower	Upper
57	100		
41	106.7	76.9	115.3
43	82.7	191.0	286.6#
56	63.6	43.2	64.8





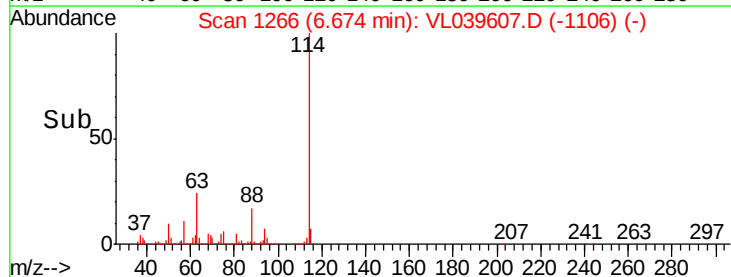
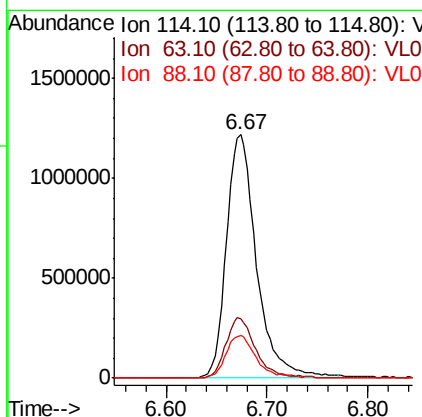
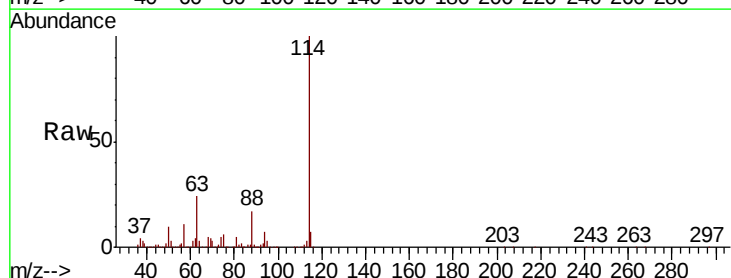
#31
 cis-1,2-Dichloroethene
 Concen: 0.052 ppbv
 RT: 5.10
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 SVE-EFF-082222DL
 Acq: 31 Aug 2022 14:04

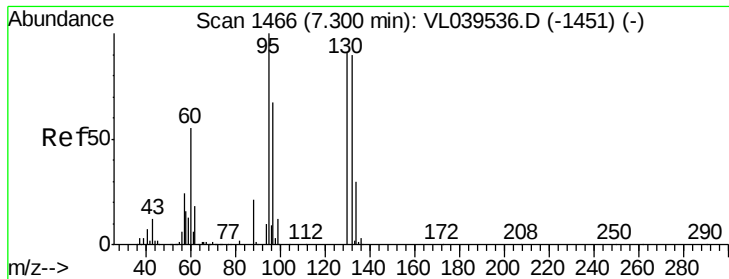
Tot Ion: 61 Resp: 4814
 Ion Ratio Lower Upper
 61 100
 96 64.3 54.1 81.1
 98 60.4 34.6 52.0#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.67 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: VL039607.D
 Acq: 31 Aug 2022 14:04

Tgt Ion: 114 Resp: 2543170
 Ion Ratio Lower Upper
 114 100
 63 25.1 20.2 30.4
 88 17.9 14.5 21.7





#38

Trichloroethene

Concen: 0.313 ppbv

RT: 7.31 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 31 Aug 2022 14:04 SVE-EFF-082222DL

Tot Ion:130 Resp: 32554

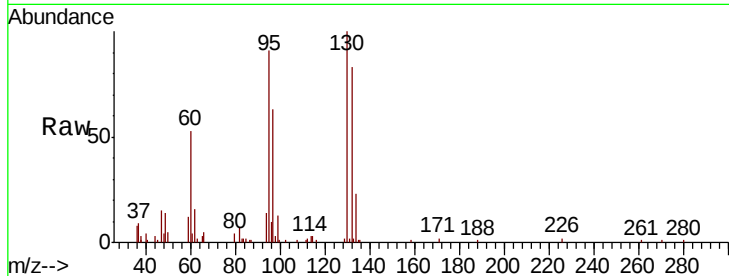
Ion Ratio Lower Upper

130 100

95 90.3 87.3 130.9

132 83.6 76.7 115.1

97 62.8 56.5 84.7

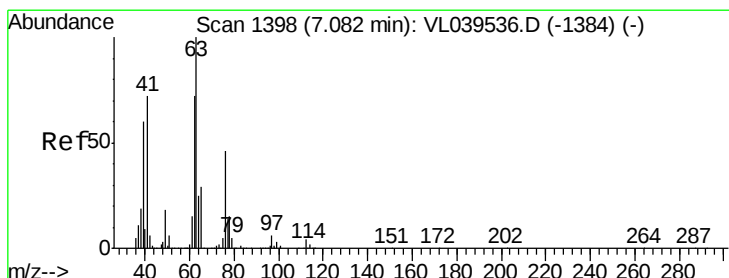
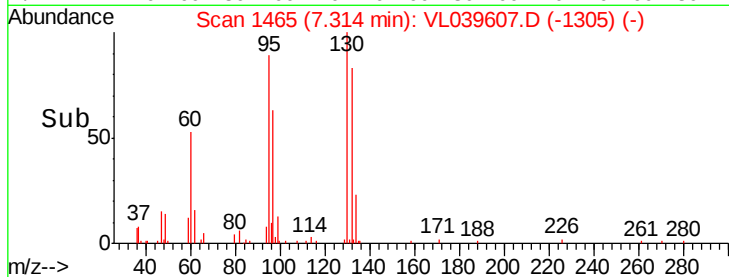
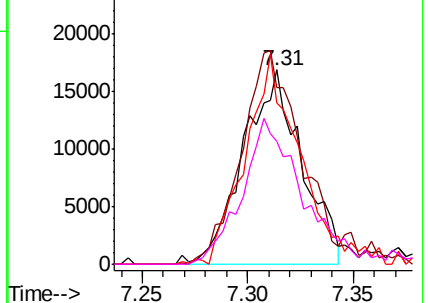


Abundance Ion 130.00 (129.70 to 130.70): V

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: 8.433 ppbv

RT: 6.67 min Scan# 1265

Delta R.T. -0.41 min

Lab File: VL039607.D

Acq: 31 Aug 2022 14:04

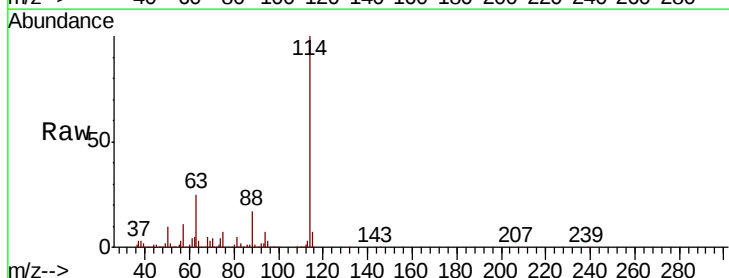
Tgt Ion: 63 Resp: 614630

Ion Ratio Lower Upper

63 100

41 0.2 59.6 89.4#

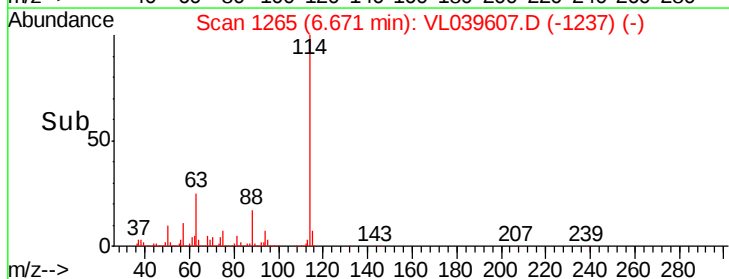
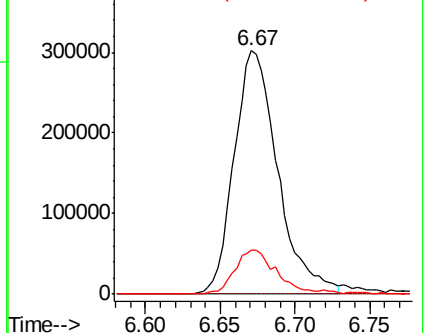
62 18.3 51.4 77.0#

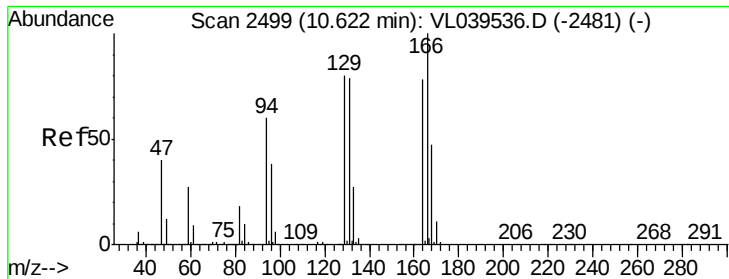


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

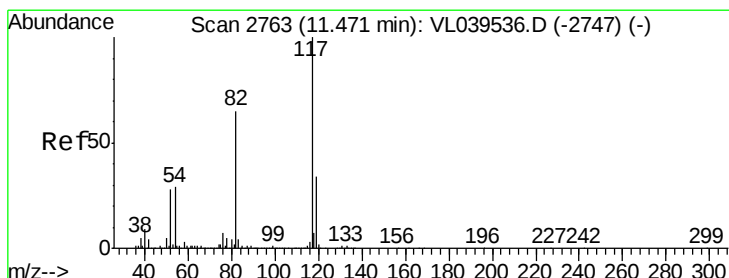
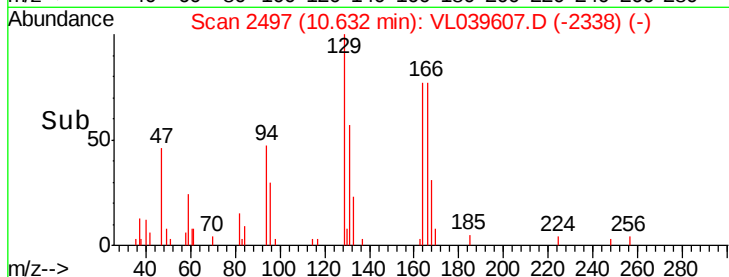
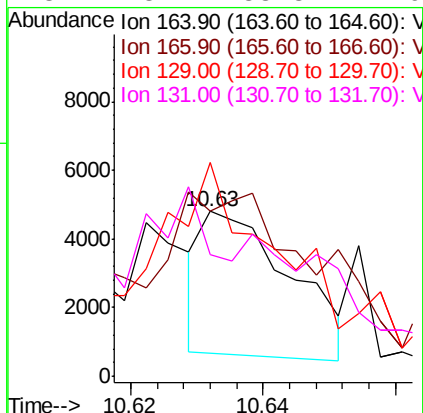
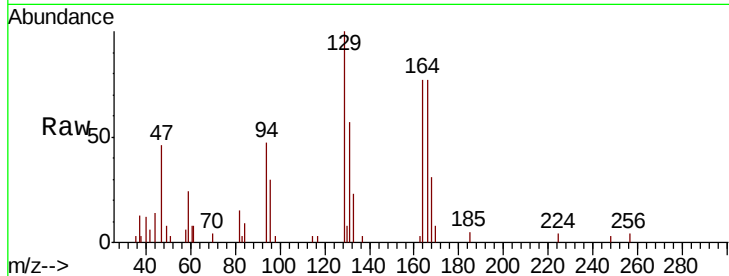
Ion 62.10 (61.80 to 62.80): VL0





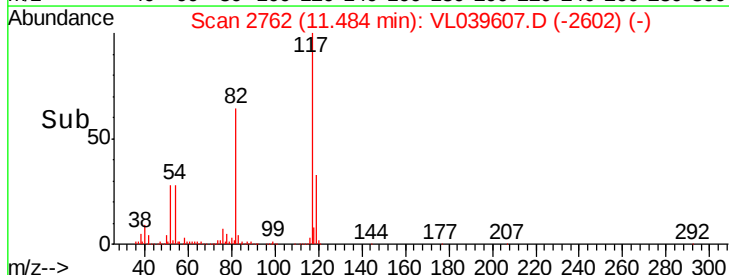
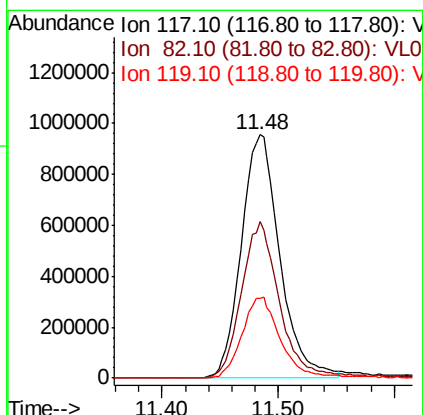
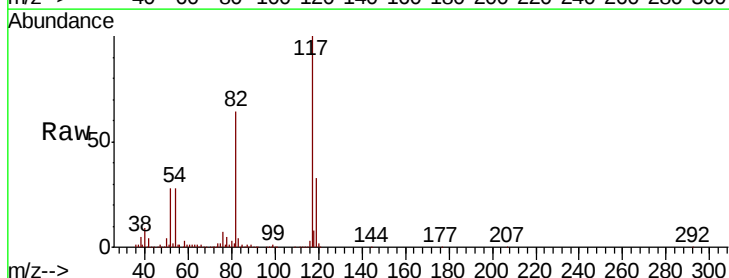
#52
Tetrachloroethene
Concen: 0.053 ppbv
RT: 10.63 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
SVE-EFF-082222DL
Acq: 31 Aug 2022 14:04

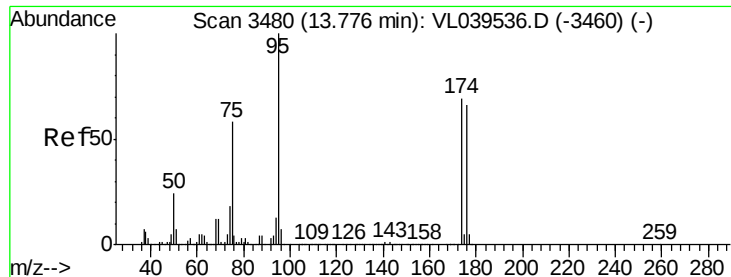
Tot Ion:164 Resp: 3862
Ion Ratio Lower Upper
164 100
166 37.0 102.2 153.2#
129 177.0 85.8 128.8#
131 8.4 83.3 124.9#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.48 min Scan# 2762
Delta R.T.: 0.01 min
Lab File: VL039607.D
Acq: 31 Aug 2022 14:04

Tgt Ion:117 Resp: 2212573
Ion Ratio Lower Upper
117 100
82 64.4 50.8 76.2
119 33.9 24.1 36.1





#68

1-Bromo-4-Fluorobenzene

Concen: 9.409 ppbv

RT: 13.79

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

SVE-EFF-082222DL

Acq: 31 Aug 2022 14:04

Tot Ion: 95 Resp: 1570634

Ion Ratio Lower Upper

95 100

174 74.7 55.9 83.9

175 5.6 4.2 6.4

