

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL122921\
 Data File : VL038246.D
 Acq On : 29 Dec 2021 23:53
 Operator : SY/AP
 Sample : M5252-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Quant Time: Dec 30 06:22:37 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL122121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Dec 21 17:47:08 2021
 QLast Update : Tue Dec 21 17:47:08 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	656270	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1651075	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	1409316	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1117757	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

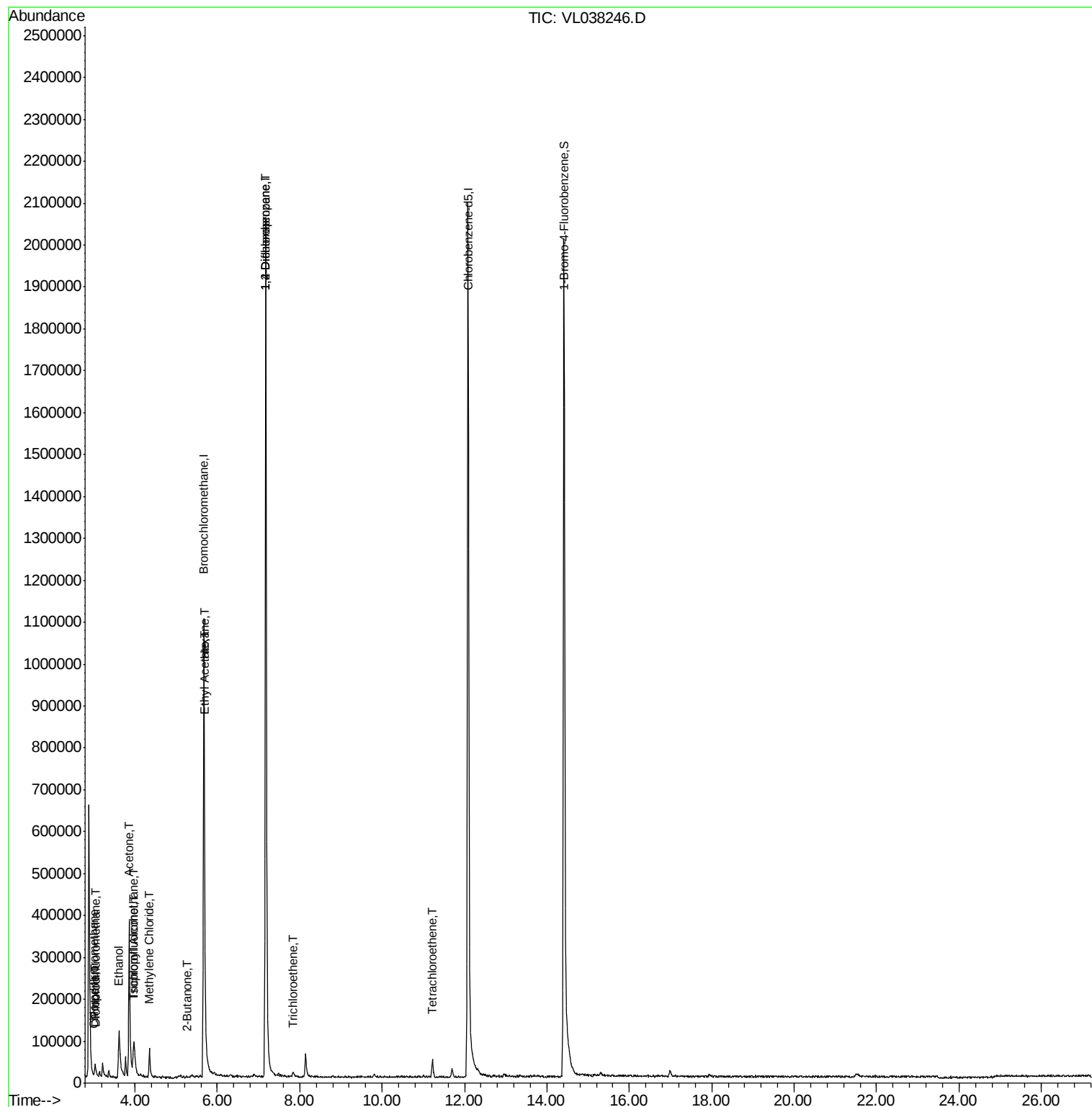
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.07	85	5175	0.042	ppbv #	74
3) Chlorodifluoromethane	3.00	51	7242	0.053	ppbv #	77
9) Propene	3.02	41	2473	0.052	ppbv #	1
11) Trichlorofluoromethane	3.96	101	29821	0.263	ppbv	90
13) Ethanol	3.61	45	114922	14.156	ppbv #	100
15) Acetone	3.86	43	499011	7.576	ppbv	99
19) Isopropyl Alcohol	3.98	45	105624	2.571	ppbv #	35
20) Methylene Chloride	4.35	84	25064	0.674	ppbv	95
25) Ethyl Acetate	5.69	43	18858	0.106	ppbv #	92
26) Hexane	5.69	57	15355	0.172	ppbv #	61
34) 2-Butanone	5.25	43	1904	0.038	ppbv #	1
38) Trichloroethene	7.83	130	1844	0.031	ppbv #	83
39) 1,2-Dichloropropane	7.18	63	452752	7.638	ppbv #	25
52) Tetrachloroethene	11.24	164	1928	0.034	ppbv	87

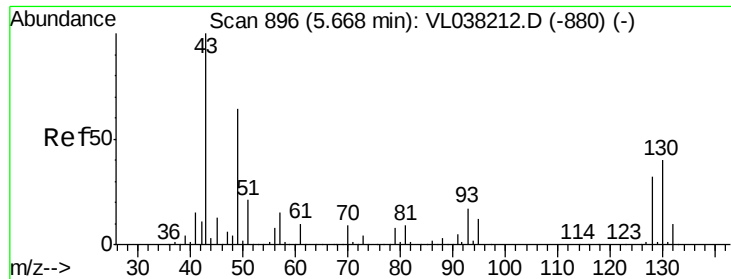
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL122921\
Data File : VL038246.D
Acq On : 29 Dec 2021 23:53
Operator : SY/AP
Sample : M5252-01DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Quant Time: Dec 30 06:22:37 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL122121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Dec 21 17:47:08 2021
QLast Update : Tue Dec 21 17:47:08 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Dec 2021 23:53

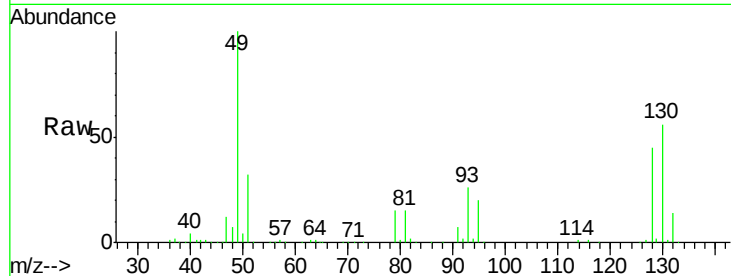
Tgt Ion: 49 Resp: 656270

Ion Ratio Lower Upper

49 100

128 46.6 26.9 80.6

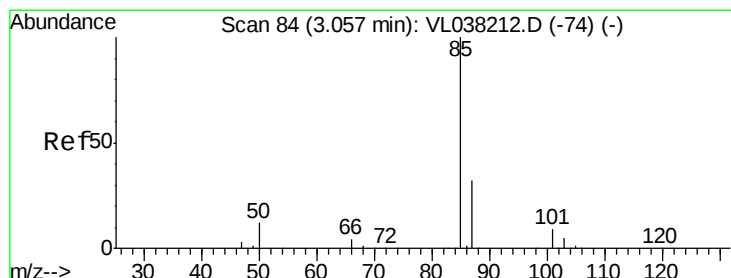
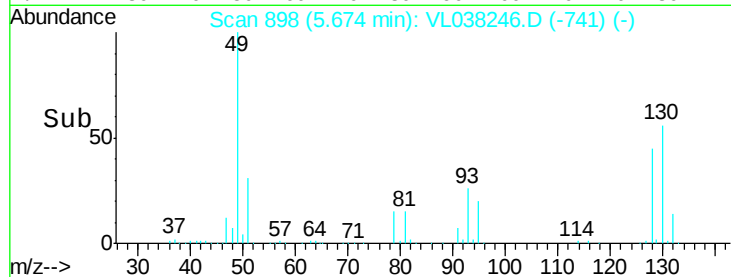
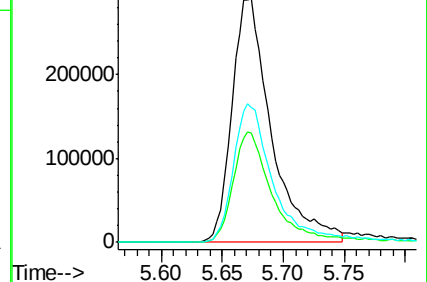
130 58.4 32.3 96.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.042 ppbv

RT: 3.07 min Scan# 87

Delta R.T. 0.01 min

Lab File: VL038246.D

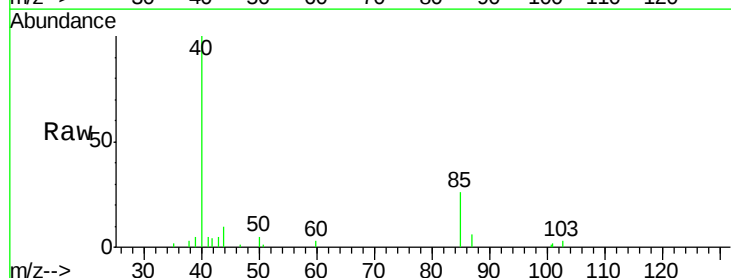
Acq: 29 Dec 2021 23:53

Tgt Ion: 85 Resp: 5175

Ion Ratio Lower Upper

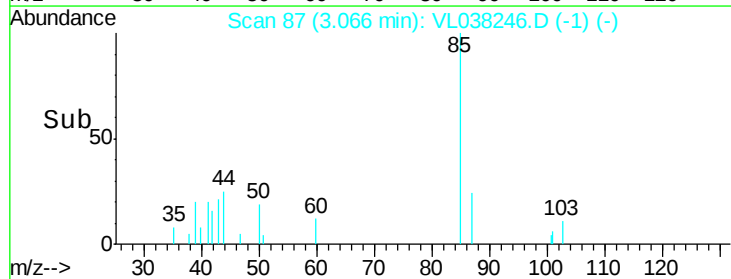
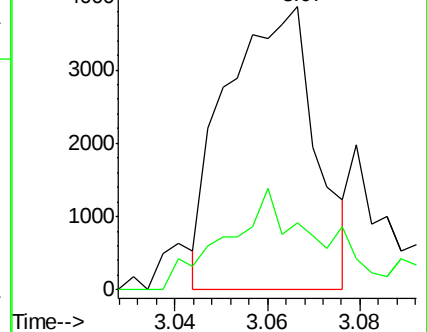
85 100

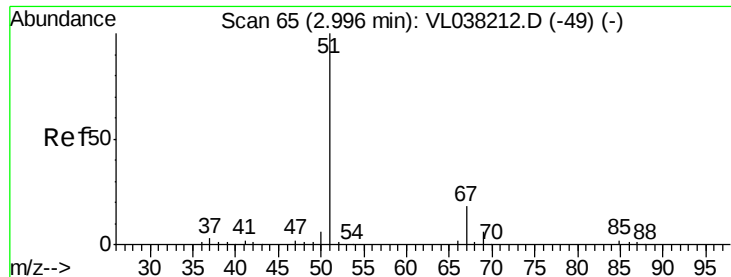
87 17.6 25.4 38.2#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.053 ppbv

RT: 3.00 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA-1DL

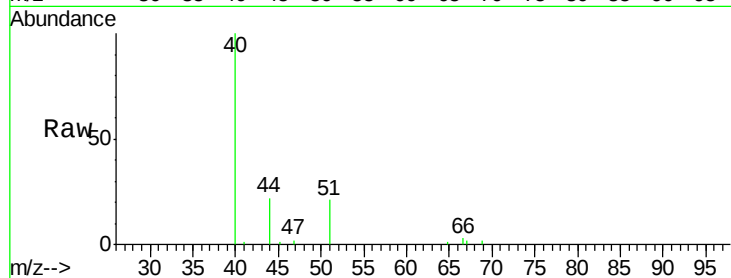
Acq: 29 Dec 2021 23:55

Tgt Ion: 51 Resp: 7242

Ion Ratio Lower Upper

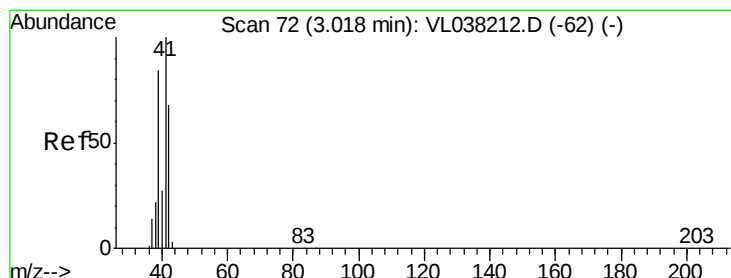
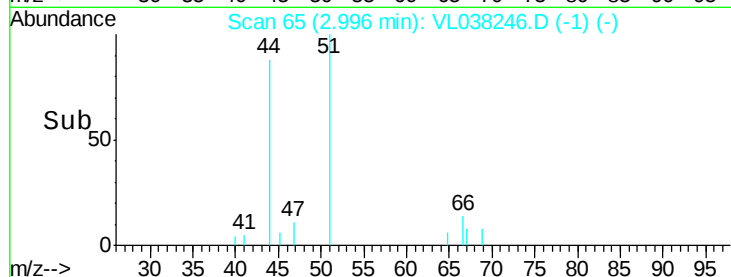
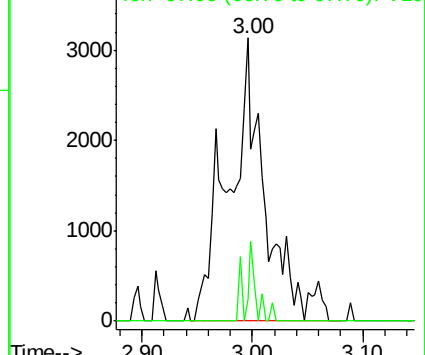
51 100

67 7.3 14.0 21.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 0.052 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL038246.D

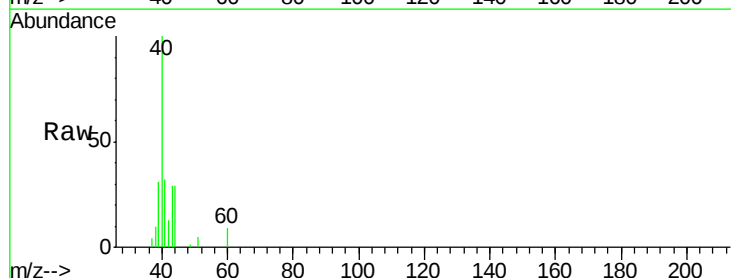
Acq: 29 Dec 2021 23:53

Tgt Ion: 41 Resp: 2473

Ion Ratio Lower Upper

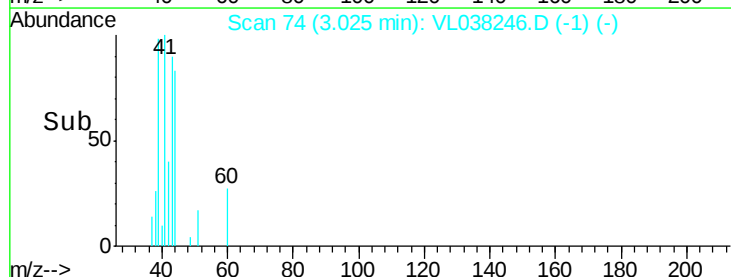
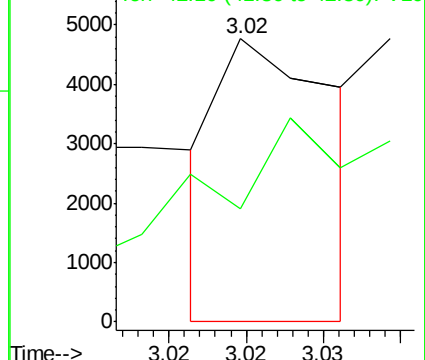
41 100

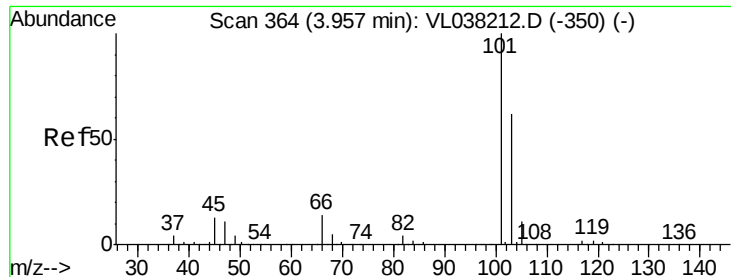
42 225.5 55.5 83.3#



Abundance Ion 41.10 (40.80 to 41.80): VL0

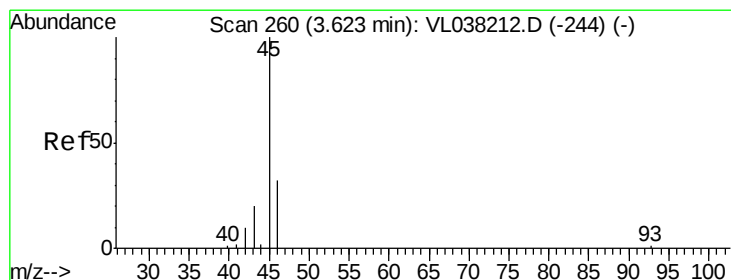
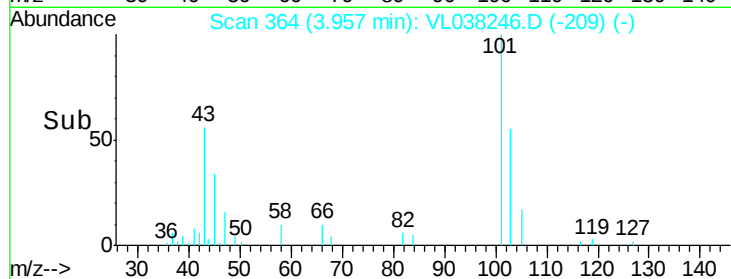
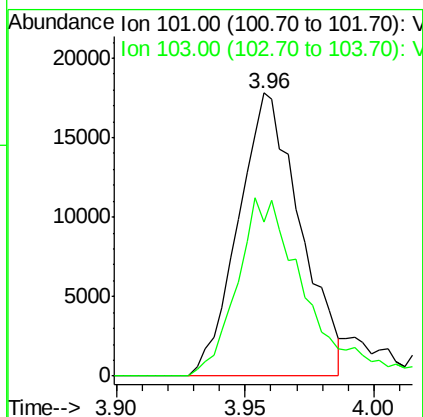
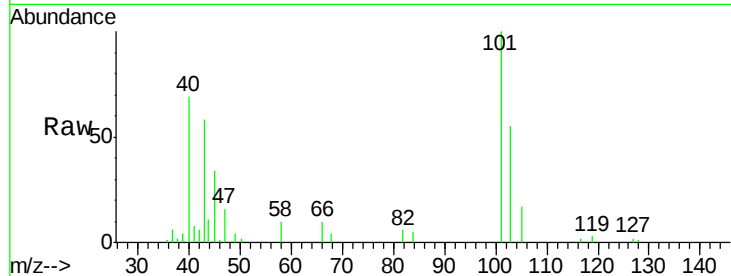
Ion 42.10 (41.80 to 42.80): VL0





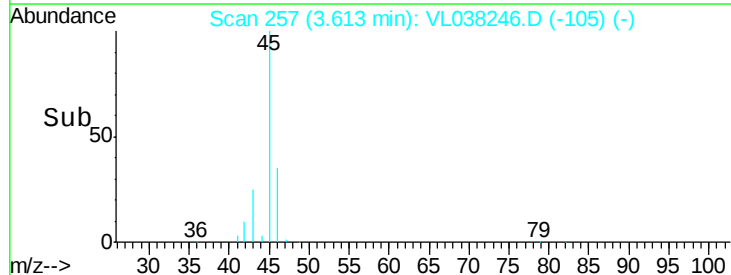
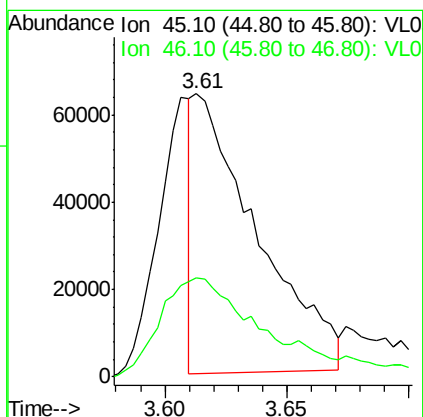
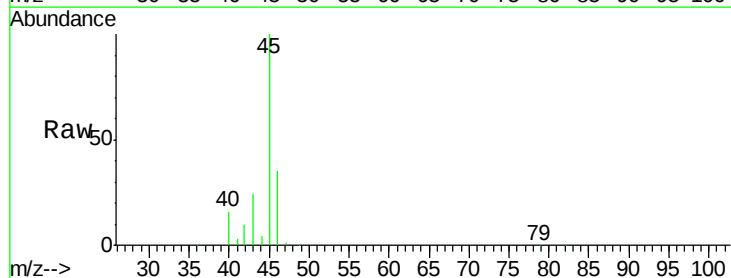
#11
 Trichlorofluoromethane
 Concen: 0.263 ppbv
 RT: 3.96
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 29 Dec 2021 23:55

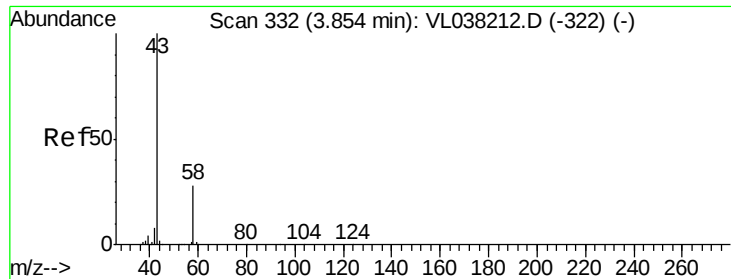
Tgt Ion: 101 Resp: 29821
 Ion Ratio Lower Upper
 101 100
 103 54.6 49.9 74.9



#13
 Ethanol
 Concen: 14.156 ppbv
 RT: 3.61 min Scan# 257
 Delta R.T. -0.01 min
 Lab File: VL038246.D
 Acq: 29 Dec 2021 23:53

Tgt Ion: 45 Resp: 114922
 Ion Ratio Lower Upper
 45 100
 46 64.4 0.0 0.0#





#15

Acetone

Concen: 7.576 ppbv

RT: 3.86

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

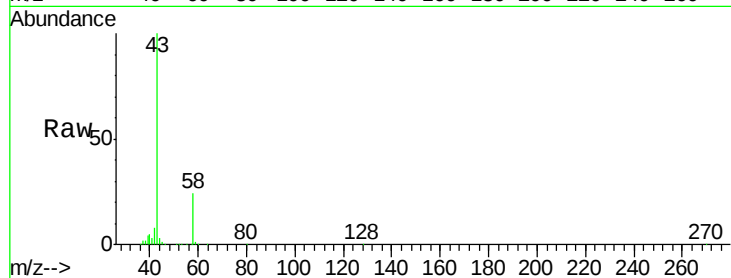
Acq: 29 Dec 2021 23:53

Tgt Ion: 43 Resp: 499011

Ion Ratio Lower Upper

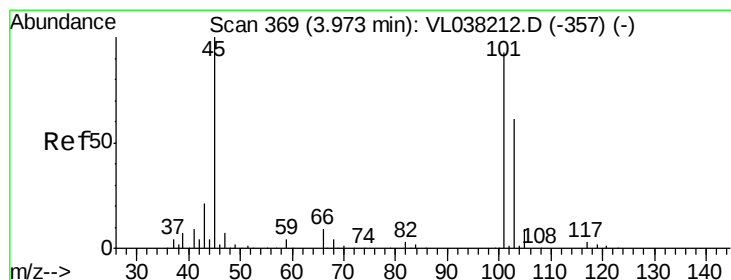
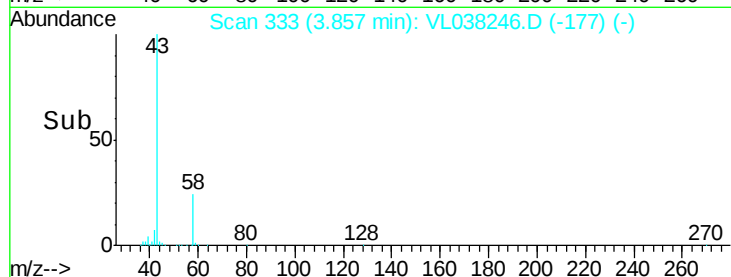
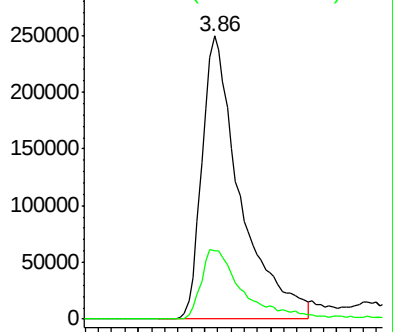
43 100

58 28.5 23.3 34.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 2.571 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.01 min

Lab File: VL038246.D

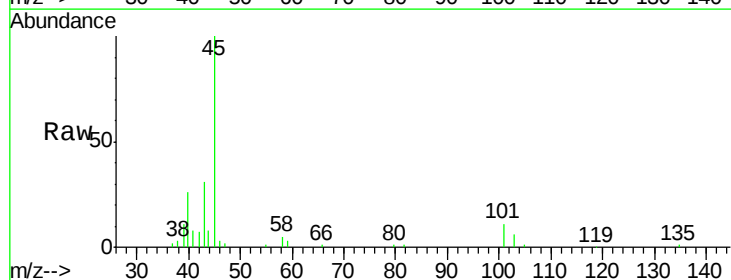
Acq: 29 Dec 2021 23:53

Tgt Ion: 45 Resp: 105624

Ion Ratio Lower Upper

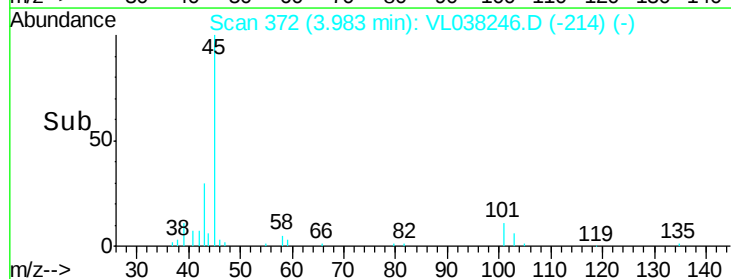
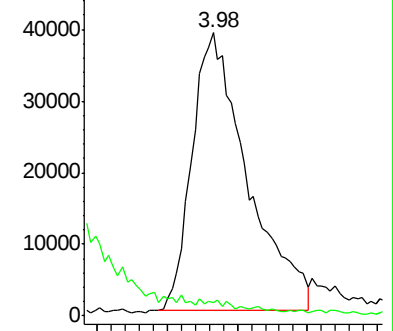
45 100

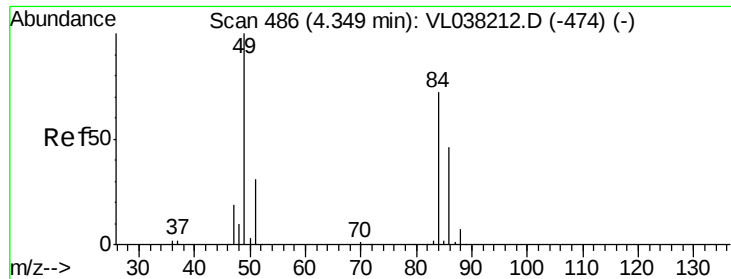
58 0.0 32.4 48.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

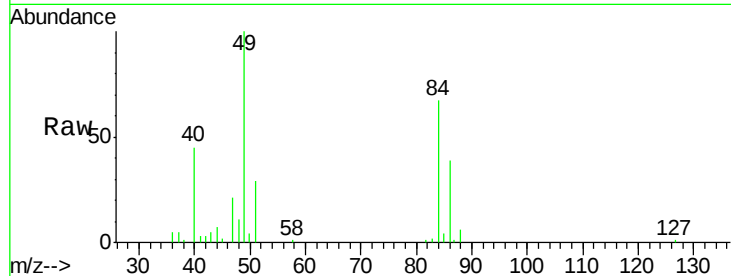
Ion 58.10 (57.80 to 58.80): VL0



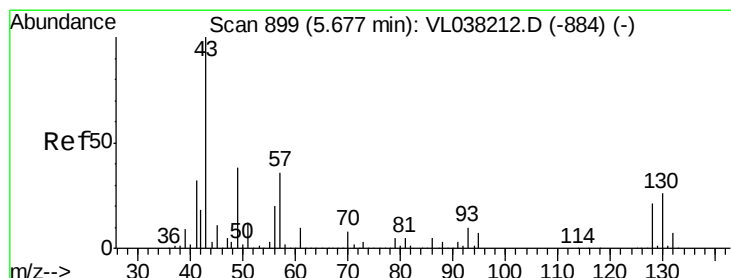
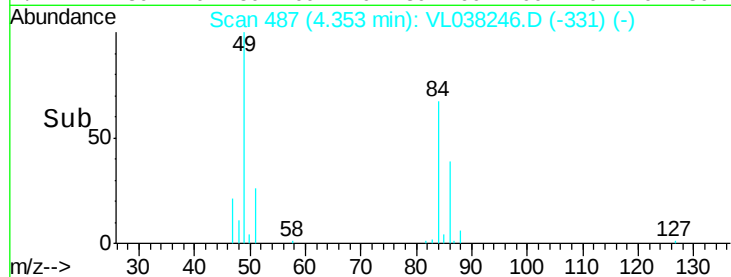
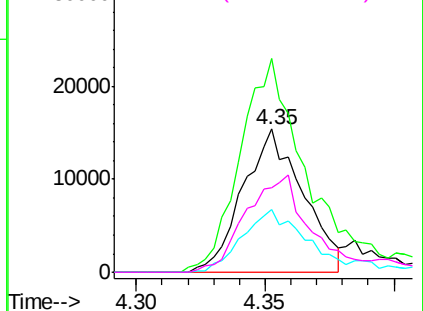


#20
Methylene Chloride
Concen: 0.674 ppbv
RT: 4.35 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Dec 2021 23:53

Tgt Ion:	84	Resp:	25064
Ion	Ratio	Lower	Upper
84	100		
49	146.1	110.6	166.0
51	43.8	34.2	51.2
86	58.7	50.5	75.7

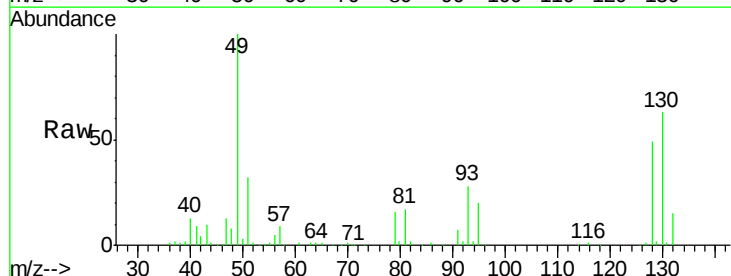


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

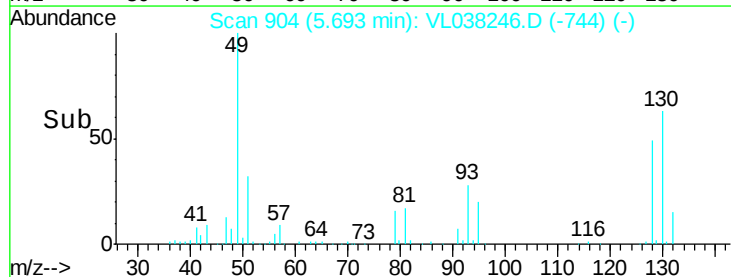
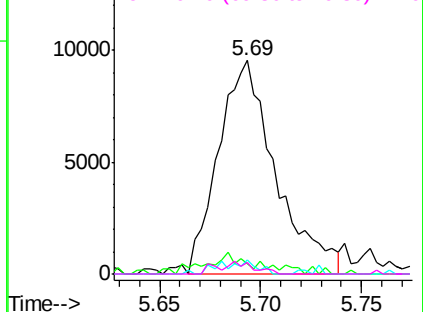


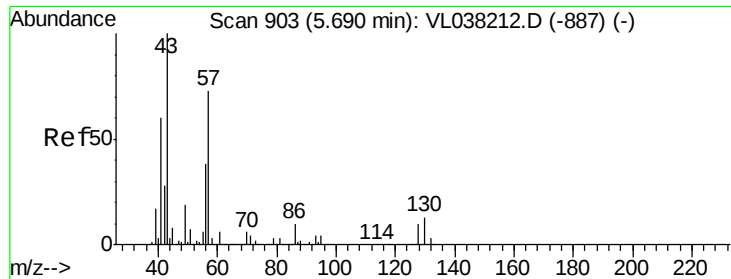
#25
Ethyl Acetate
Concen: 0.106 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.02 min
Lab File: VL038246.D
Acq: 29 Dec 2021 23:53

Tgt Ion:	43	Resp:	18858
Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.9	11.9
61	4.7	8.1	12.1#
70	3.5	5.5	8.3#



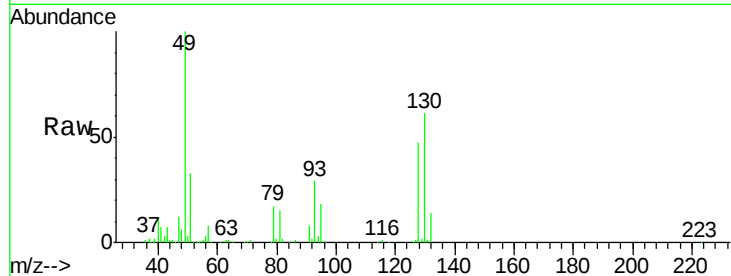
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



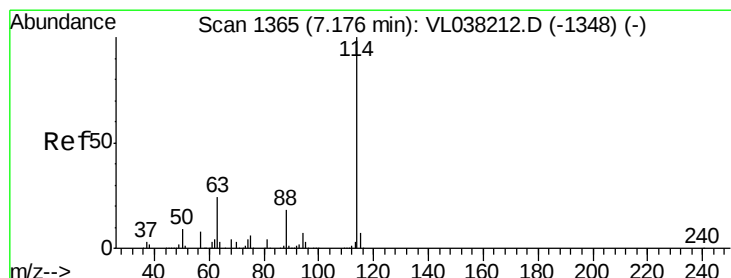
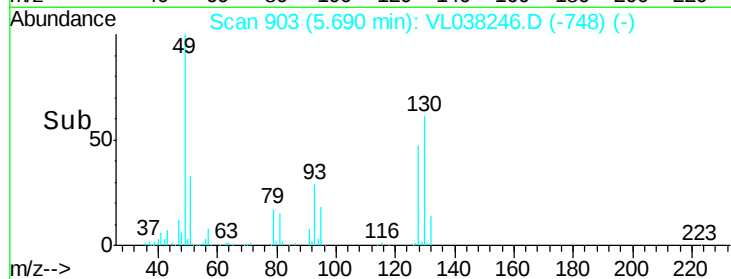
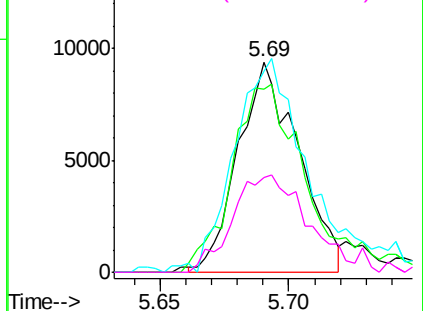


#26
Hexane
Concen: 0.172 ppbv
RT: 5.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Dec 2021 23:53

Tgt Ion:	57	Resp:	15355
Ion	Ratio	Lower	Upper
57	100		
41	113.6	69.0	103.6#
43	134.5	171.2	256.8#
56	59.2	41.5	62.3

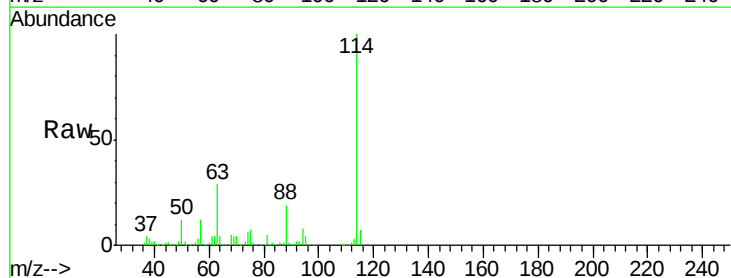


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

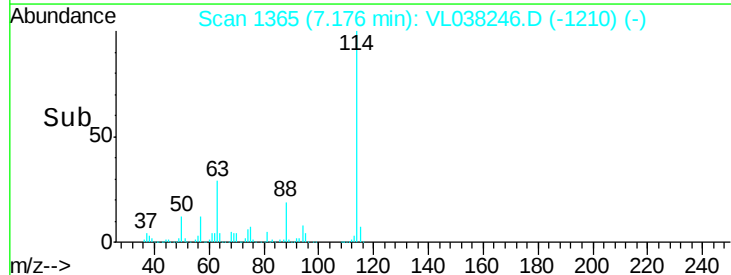
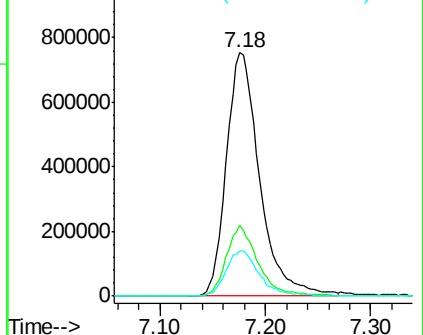


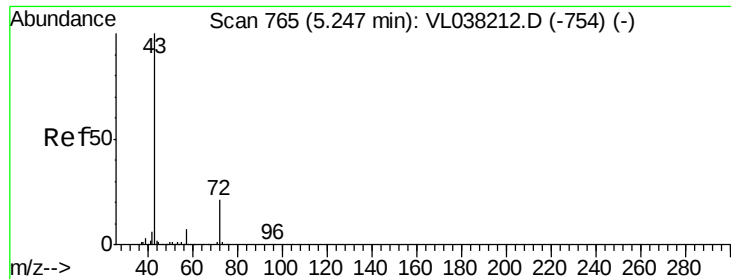
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL038246.D
Acq: 29 Dec 2021 23:53

Tgt Ion:	114	Resp:	1651075
Ion	Ratio	Lower	Upper
114	100		
63	28.1	19.7	29.5
88	18.8	14.3	21.5



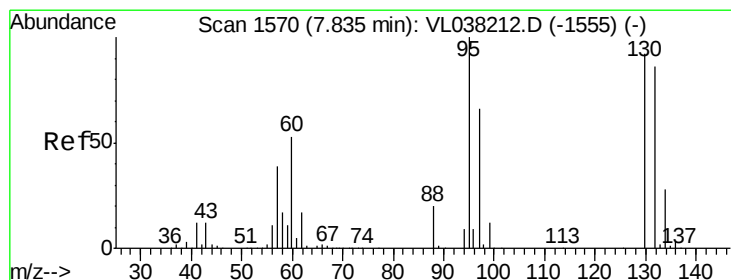
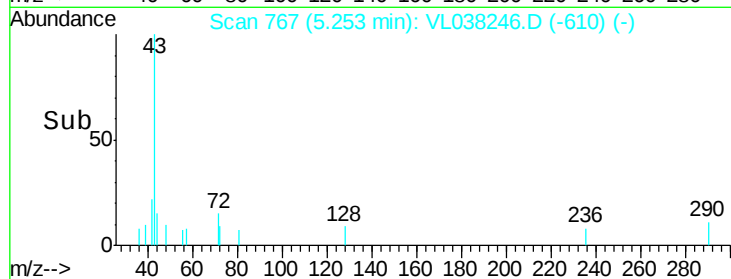
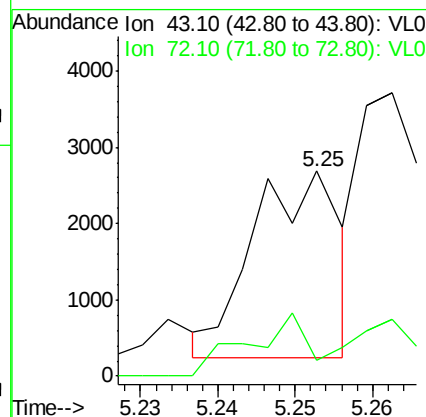
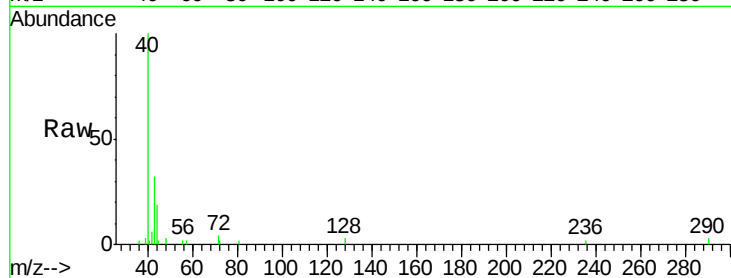
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





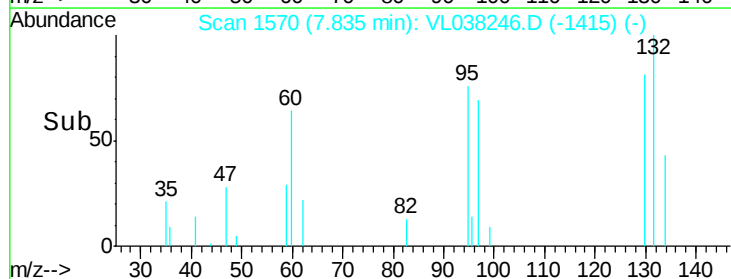
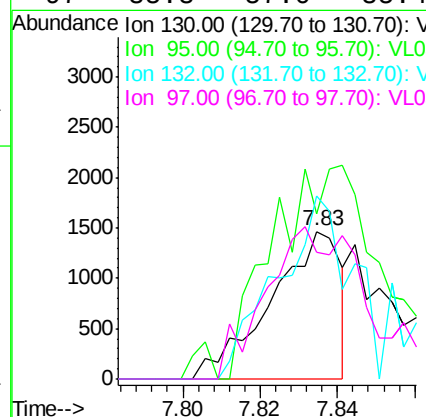
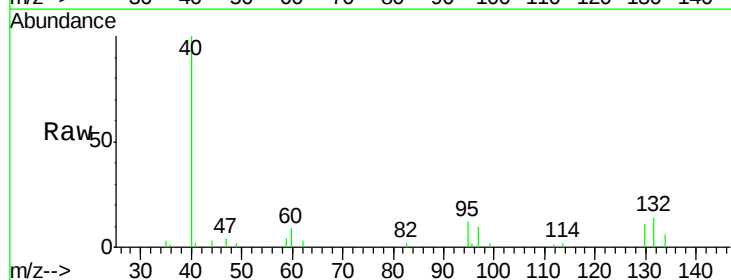
#34
2-Butanone
Concen: 0.038 ppbv
RT: 5.25
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 29 Dec 2021 23:55

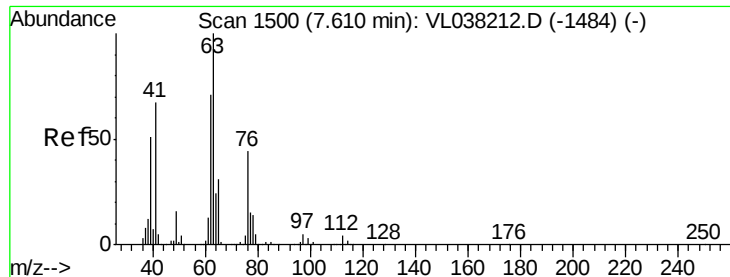
Tgt Ion: 43 Resp: 1904
Ion Ratio Lower Upper
43 100
72 70.8 18.3 27.5#



#38
Trichloroethene
Concen: 0.031 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL038246.D
Acq: 29 Dec 2021 23:53

Tgt Ion: 130 Resp: 1844
Ion Ratio Lower Upper
130 100
95 113.4 87.0 130.4
132 123.7 75.1 112.7#
97 85.8 57.0 85.4#





#39

1,2-Dichloropropane

Concen: 7.638 ppbv

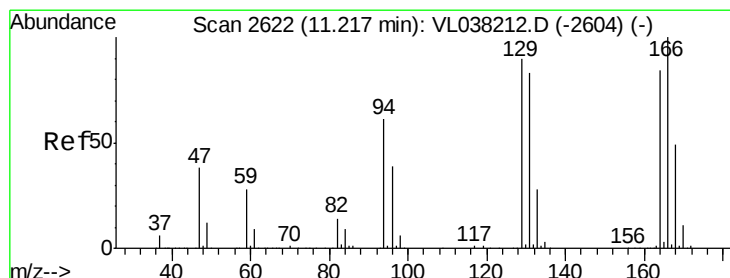
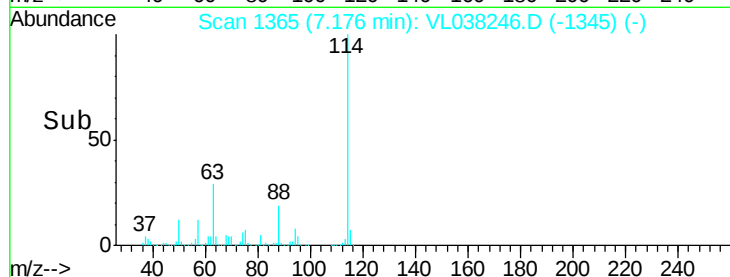
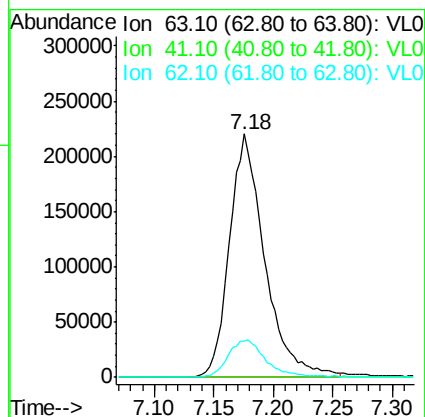
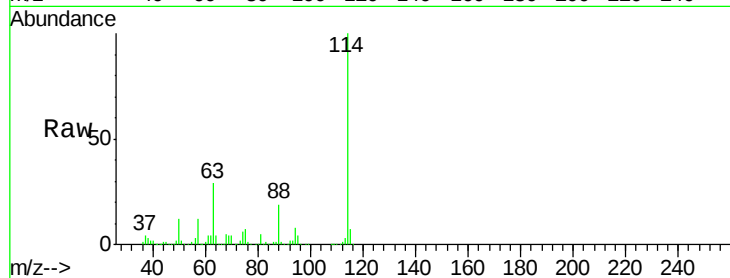
RT: 7.18 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Dec 2021 23:53

Tgt Ion:	63	Resp:	452752
Ion	Ratio	Lower	Upper
63	100		
41	0.2	53.4	80.2#
62	14.7	56.5	84.7#



#52

Tetrachloroethene

Concen: 0.034 ppbv

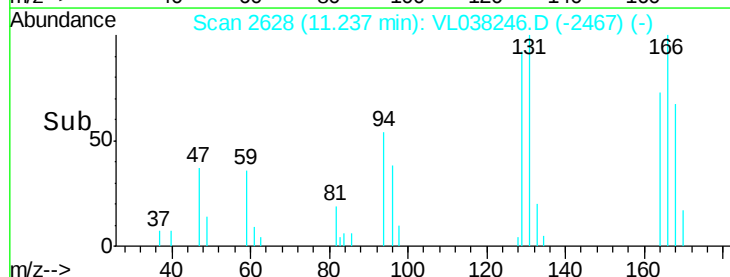
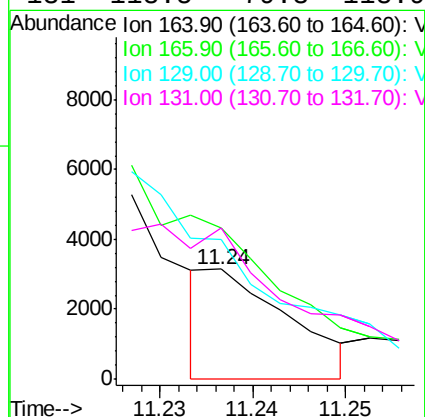
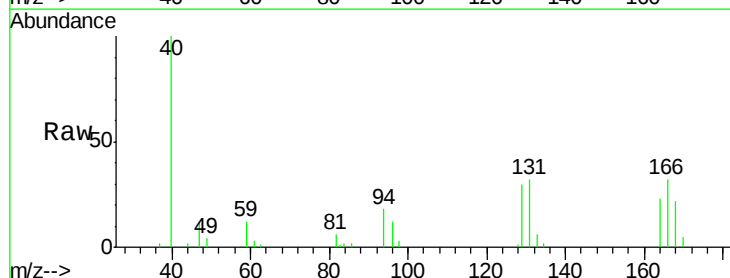
RT: 11.24 min Scan# 2628

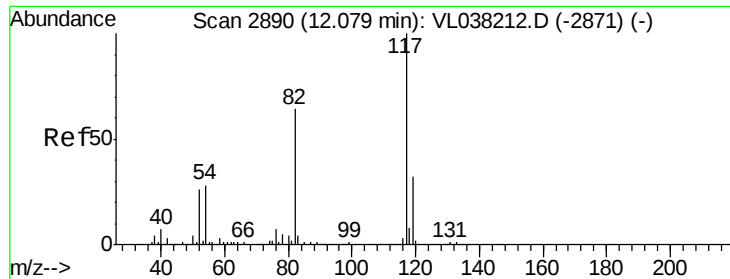
Delta R.T. 0.02 min

Lab File: VL038246.D

Acq: 29 Dec 2021 23:53

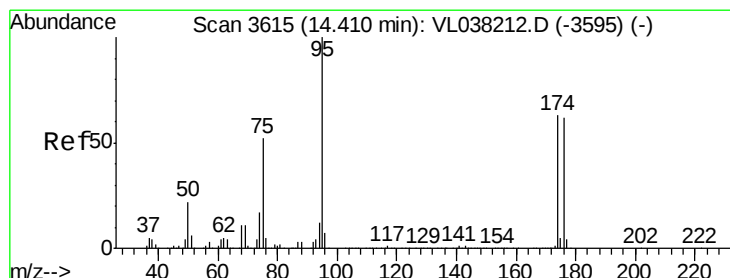
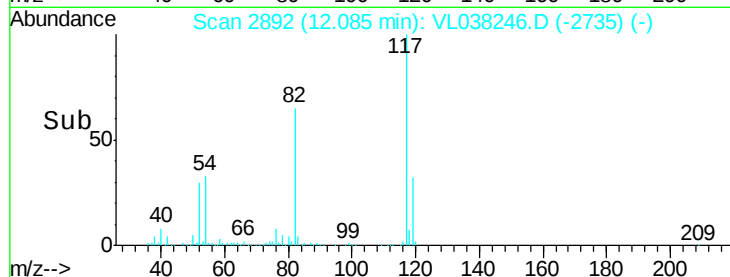
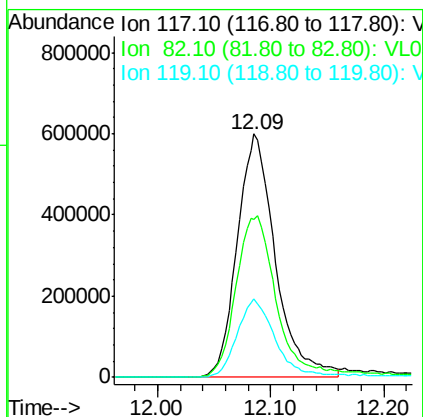
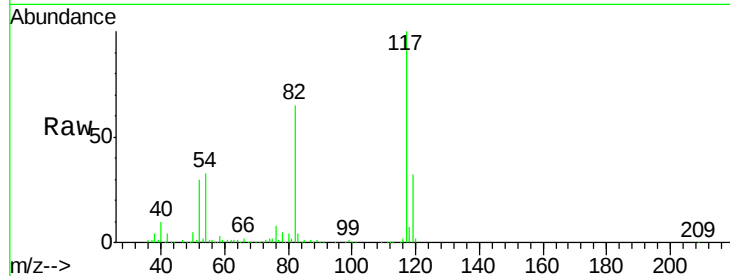
Tgt Ion:	164	Resp:	1928
Ion	Ratio	Lower	Upper
164	100		
166	135.8	95.6	143.4
129	102.5	85.8	128.8
131	118.5	79.3	118.9





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 29 Dec 2021 23:53

Tgt Ion: 117 Resp: 1409316
Ion Ratio Lower Upper
117 100
82 73.8 53.3 79.9
119 33.5 25.5 38.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.292 ppbv
RT: 14.41 min Scan# 3616
Delta R.T.: 0.00 min
Lab File: VL038246.D
Acq: 29 Dec 2021 23:53

Tgt Ion: 95 Resp: 1117757
Ion Ratio Lower Upper
95 100
174 62.4 54.6 81.8
175 4.5 4.1 6.1

