

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021422\
 Data File : VL038360.D
 Acq On : 15 Feb 2022 9:50
 Operator : SY/AP
 Sample : N1490-02DL 200X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Feb 16 00:40:57 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 14:12:48 2022
 QLast Update : Mon Jan 24 14:12:48 2022
 Response via : Initial Calibration

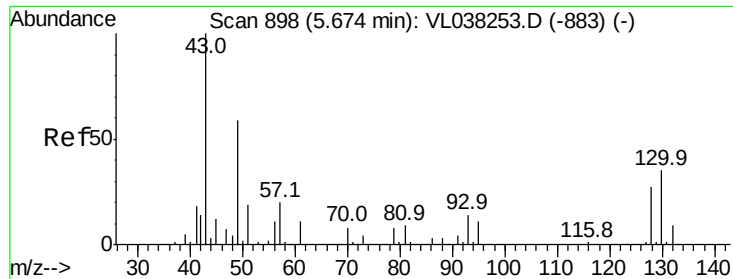
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	696446	10.00	ppbv	-0.05
33) 1,4-Difluorobenzene	7.12	114	2138066	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.03	117	1865635	10.00	ppbv	-0.06

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.36	95	1510932	10.67	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.97	51	17956	0.13	ppbv	94
9) Propene	2.99	41	1878	0.04	ppbv #	15
13) Ethanol	3.60	45	2343	0.48	ppbv #	3
15) Acetone	3.84	43	11017	0.18	ppbv #	48
20) Methylene Chloride	4.31	84	9636	0.27	ppbv #	83
26) Hexane	5.65	57	6414	0.08	ppbv #	37
31) cis-1,2-Dichloroethene	5.50	61	3142	0.05	ppbv	95
38) Trichloroethene	7.78	130	14399	0.20	ppbv #	78
39) 1,2-Dichloropropane	7.13	63	581961	7.59	ppbv #	26
52) Tetrachloroethene	11.17	164	448185	6.88	ppbv	98

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.63 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV1DL

Acq: 15 Feb 2022 9:50

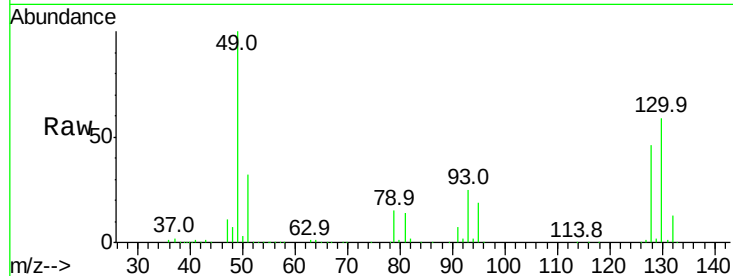
Tgt Ion: 49 Resp: 696446

Ion Ratio Lower Upper

49 100

128 48.9 24.5 73.5

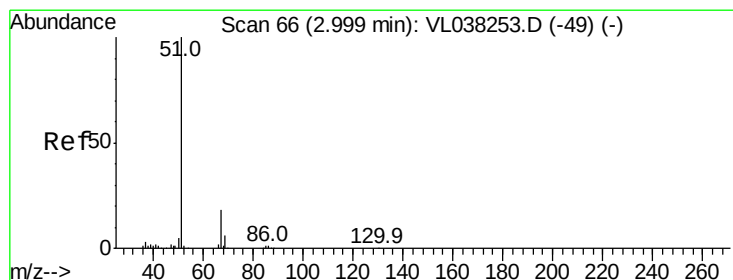
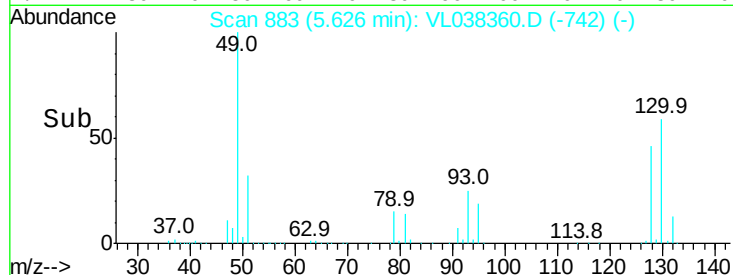
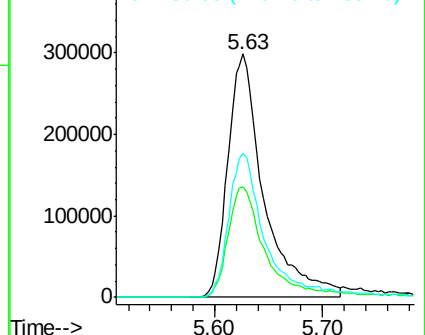
130 61.4 30.1 90.5



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



#3

Chlorodifluoromethane

Concen: 0.13 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.03 min

Lab File: VL038360.D

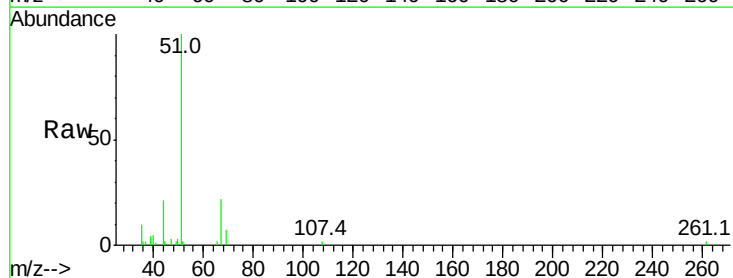
Acq: 15 Feb 2022 9:50

Tgt Ion: 51 Resp: 17956

Ion Ratio Lower Upper

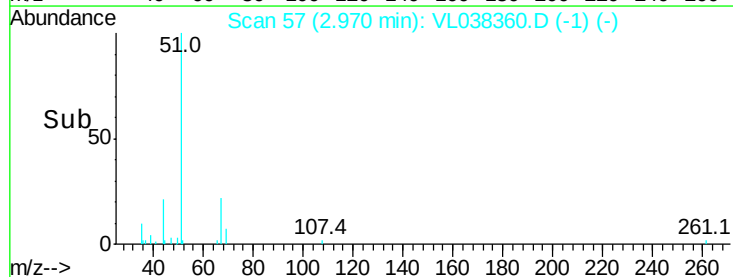
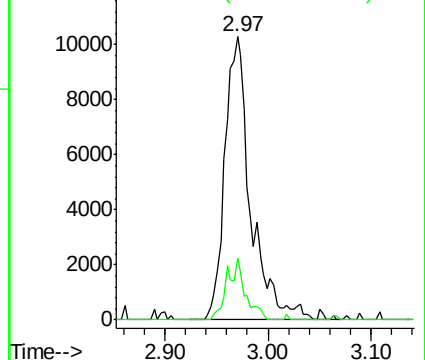
51 100

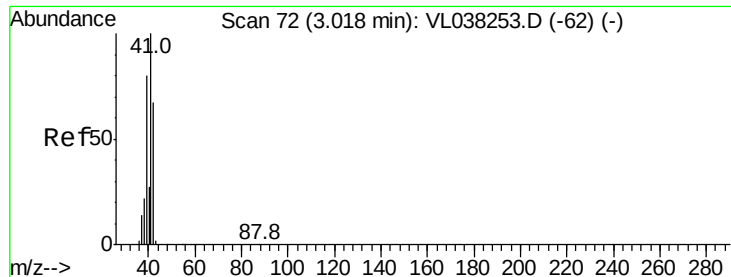
67 15.5 14.4 21.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.04 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV1DL

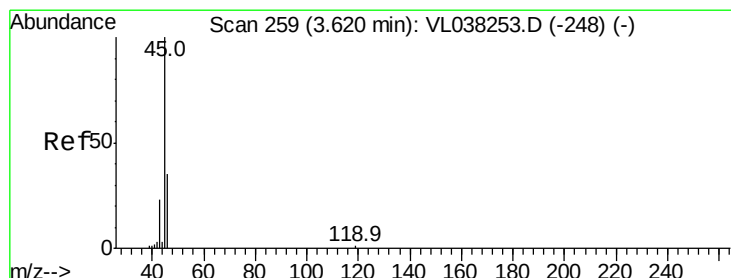
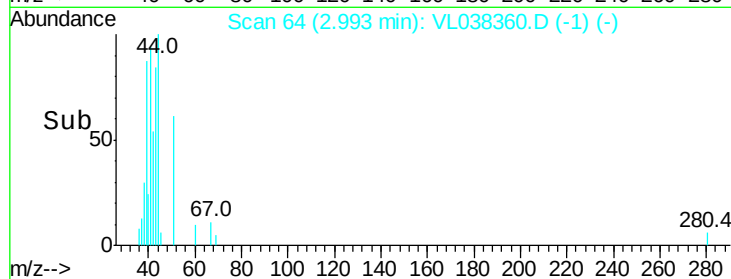
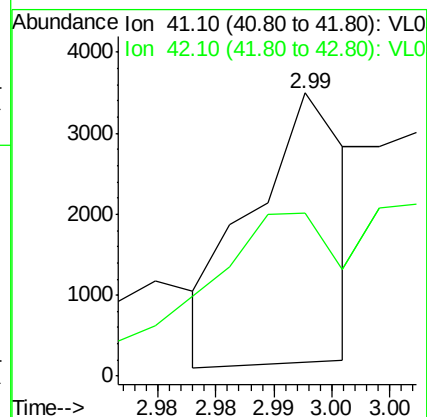
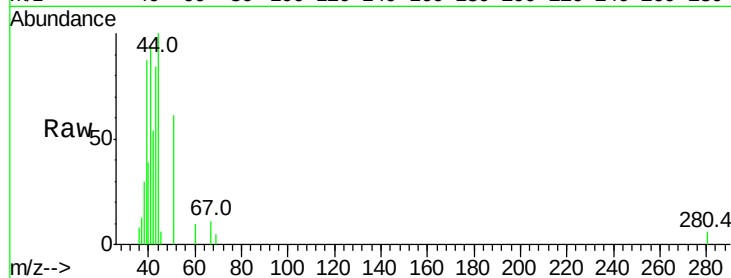
Acq: 15 Feb 2022 9:50

Tgt Ion: 41 Resp: 1878

Ion Ratio Lower Upper

41 100

42 0.0 54.9 82.3#



#13

Ethanol

Concen: 0.48 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.02 min

Lab File: VL038360.D

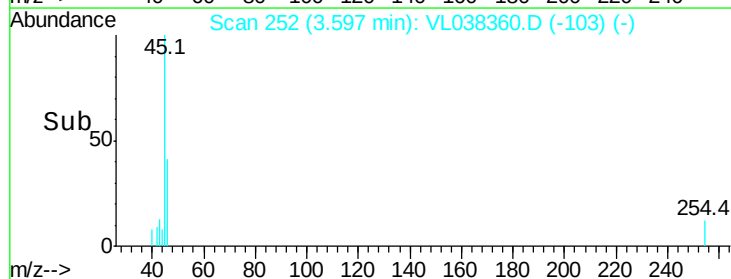
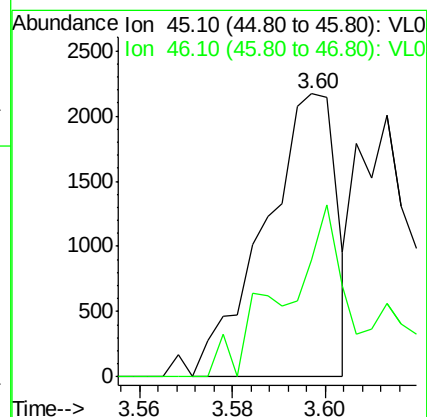
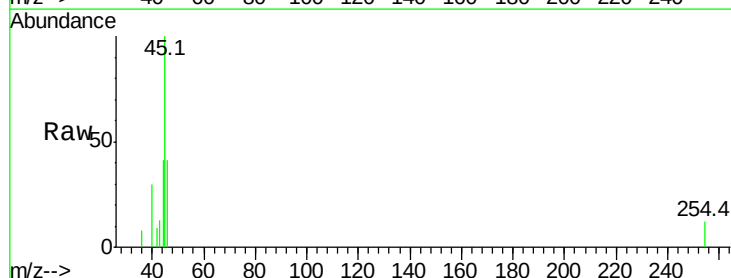
Acq: 15 Feb 2022 9:50

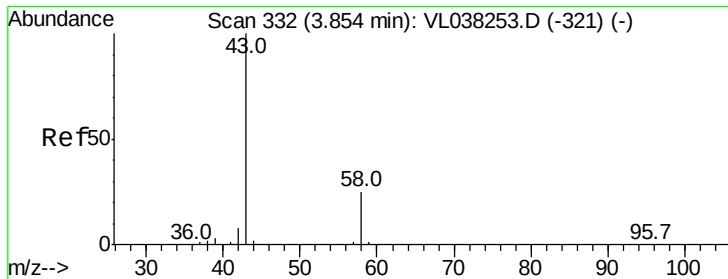
Tgt Ion: 45 Resp: 2343

Ion Ratio Lower Upper

45 100

46 97.2 15.4 61.6#





#15

Acetone

Concen: 0.18 ppbv

RT: 3.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

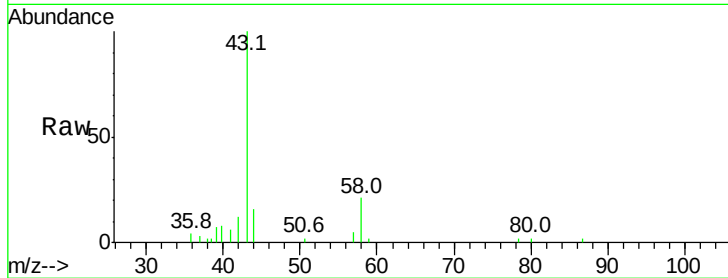
Acq: 15 Feb 2022 9:50

Tgt Ion: 43 Resp: 11017

Ion Ratio Lower Upper

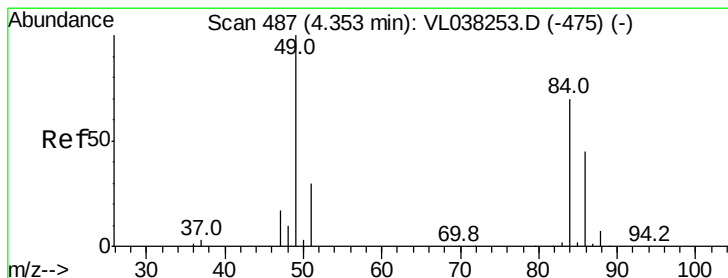
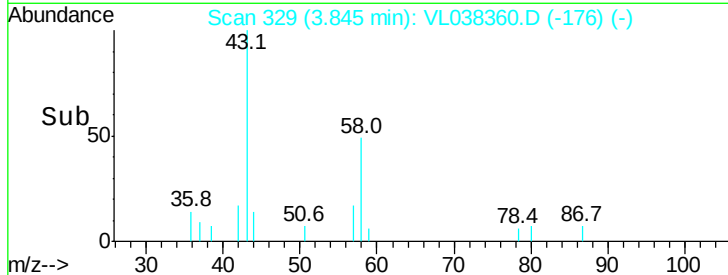
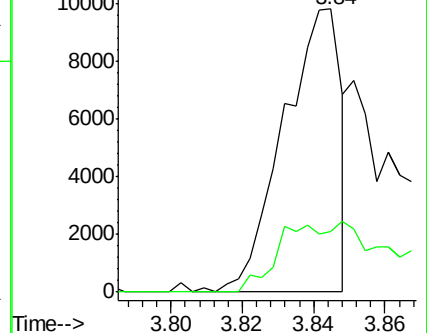
43 100

58 0.0 21.5 32.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.27 ppbv

RT: 4.31 min Scan# 474

Delta R.T. -0.04 min

Lab File: VL038360.D

Acq: 15 Feb 2022 9:50

Tgt Ion: 84 Resp: 9636

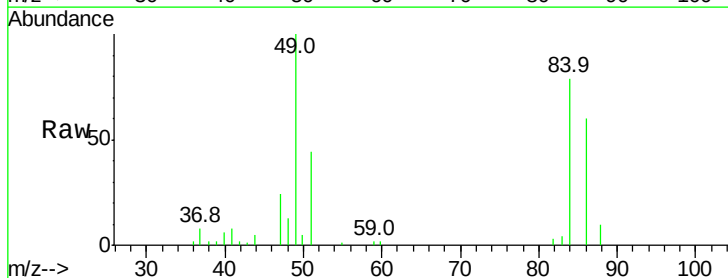
Ion Ratio Lower Upper

84 100

49 109.8 115.0 172.6#

51 43.0 35.0 52.6

86 68.7 51.4 77.0

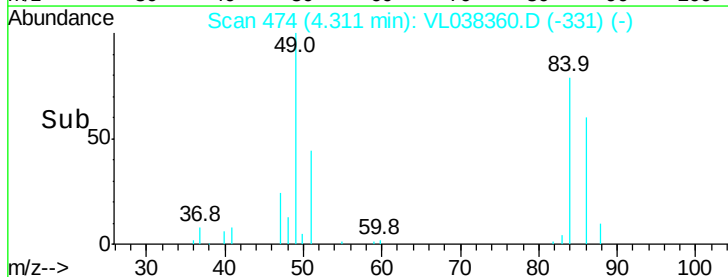
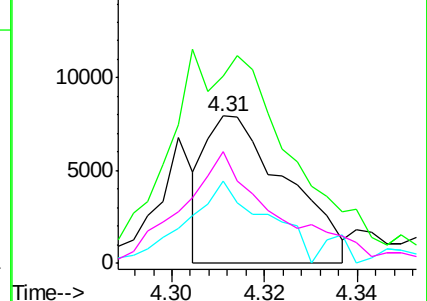


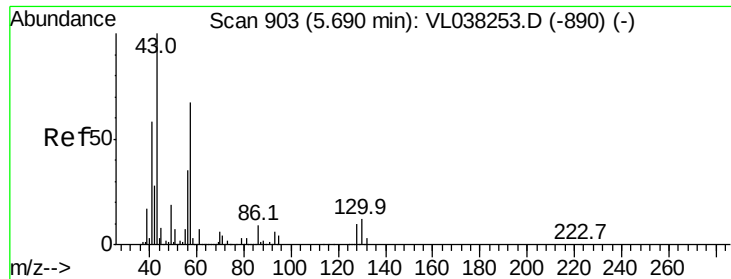
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#26

Hexane

Concen: 0.08 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 15 Feb 2022 9:50

Tgt Ion: 57 Resp: 6414

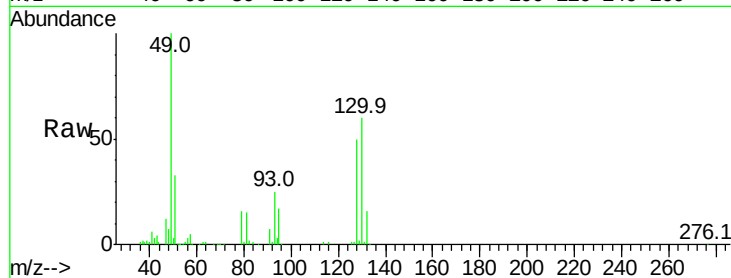
Ion Ratio Lower Upper

57 100

41 239.8 72.8 109.2#

43 187.4 177.0 265.6

56 0.0 43.3 64.9#

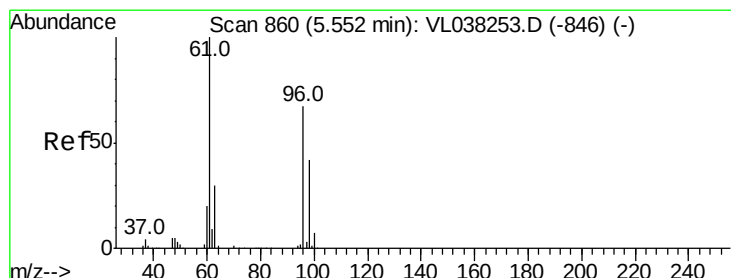
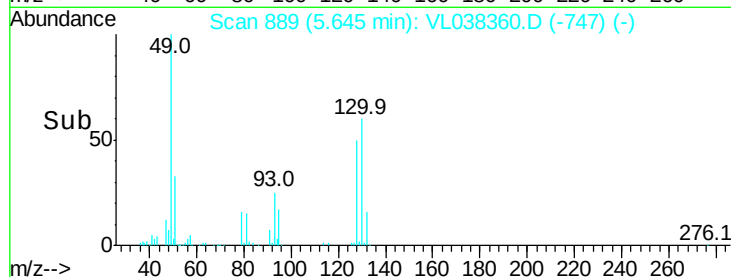
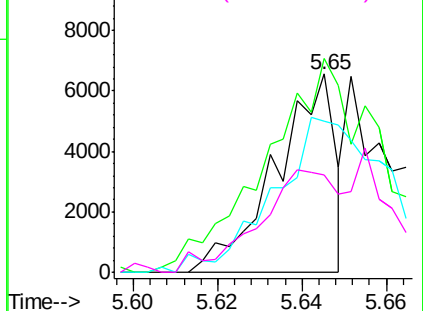


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.05 ppbv

RT: 5.50 min Scan# 845

Delta R.T. -0.05 min

Lab File: VL038360.D

Acq: 15 Feb 2022 9:50

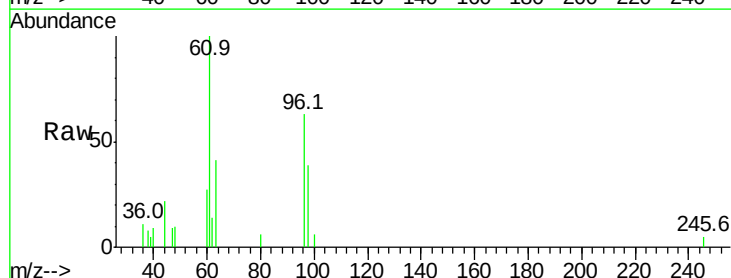
Tgt Ion: 61 Resp: 3142

Ion Ratio Lower Upper

61 100

96 62.8 53.3 79.9

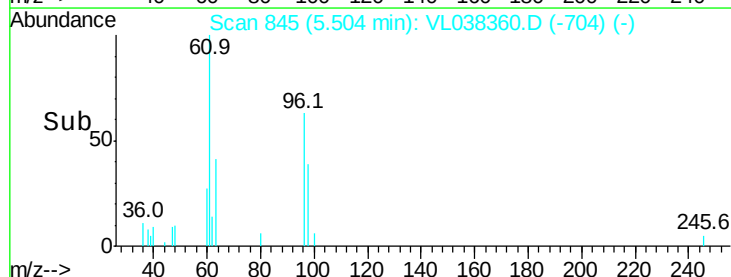
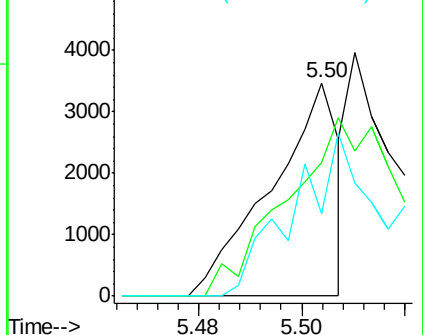
98 38.8 33.7 50.5

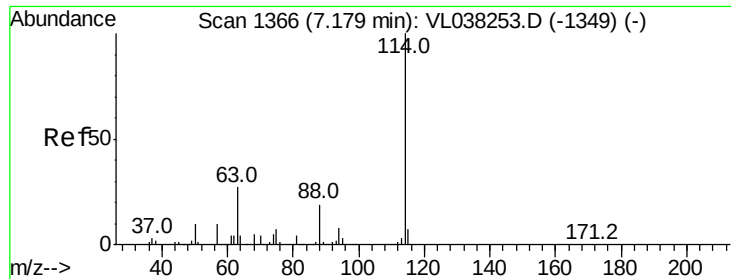


Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

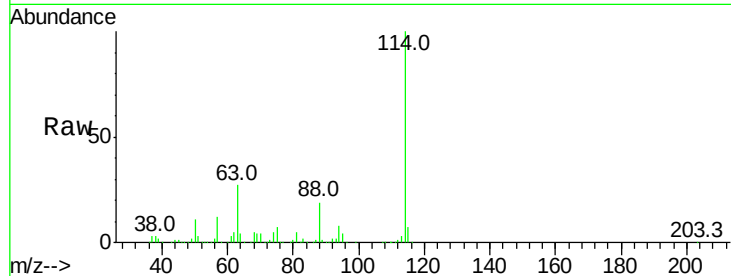
Ion 98.00 (97.70 to 98.70): VL0



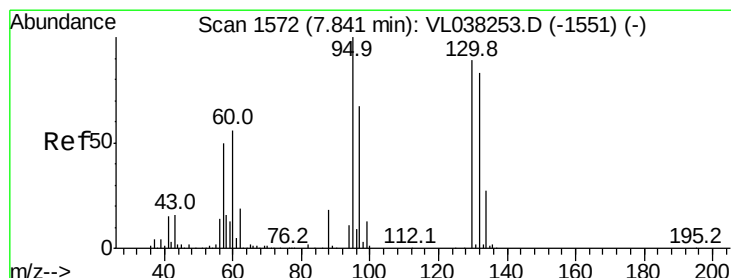
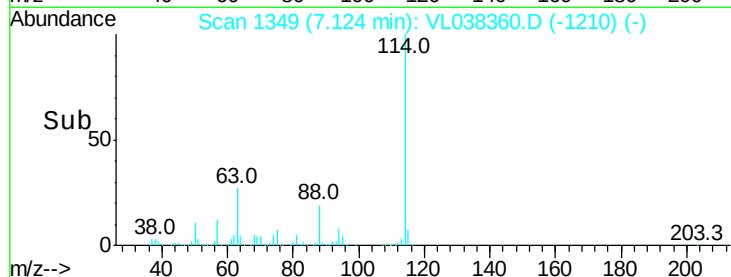
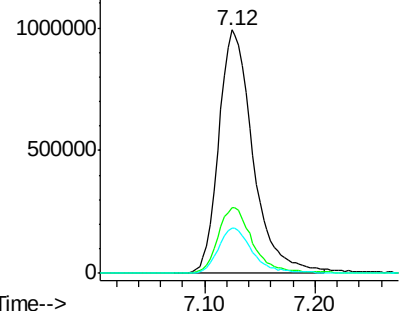


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.12
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV1DL
 Acq: 15 Feb 2022 9:50

Tgt Ion:114 Resp: 2138066
 Ion Ratio Lower Upper
 114 100
 63 27.9 22.0 33.0
 88 19.1 15.0 22.6

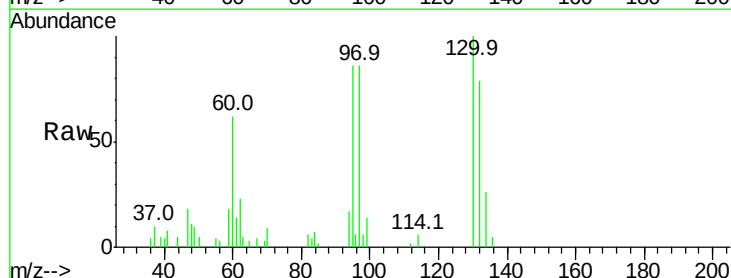


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

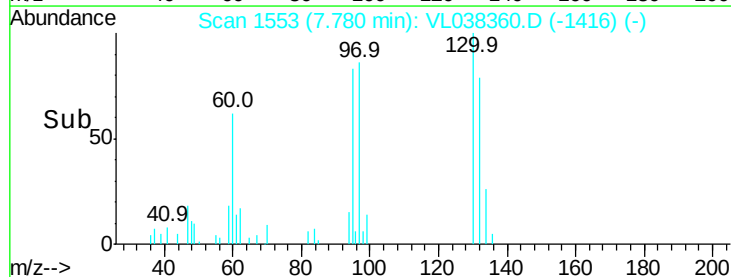
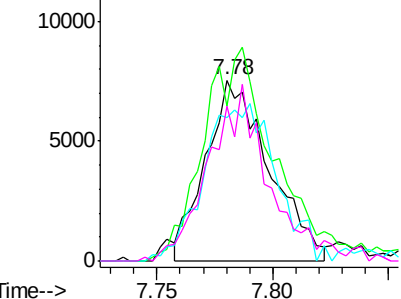


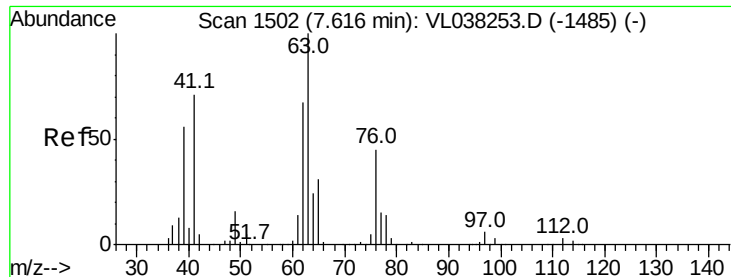
#38
 Trichloroethene
 Concen: 0.20 ppbv
 RT: 7.78 min Scan# 1553
 Delta R.T. -0.06 min
 Lab File: VL038360.D
 Acq: 15 Feb 2022 9:50

Tgt Ion:130 Resp: 14399
 Ion Ratio Lower Upper
 130 100
 95 75.9 89.4 134.2#
 132 77.1 74.6 111.8
 97 83.8 59.6 89.4



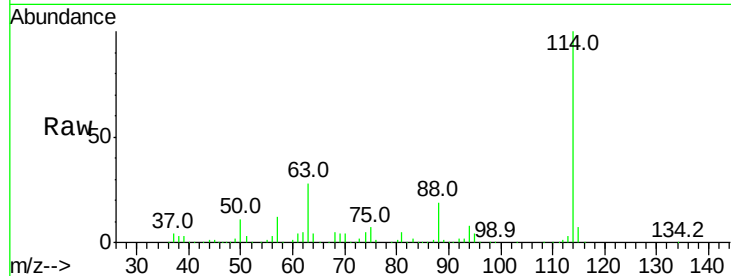
Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0



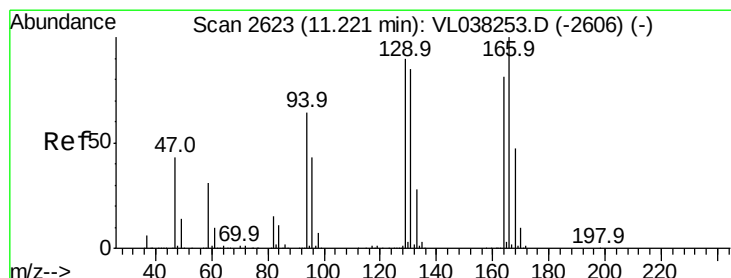
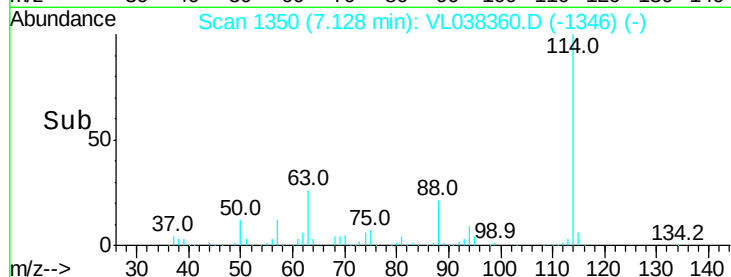
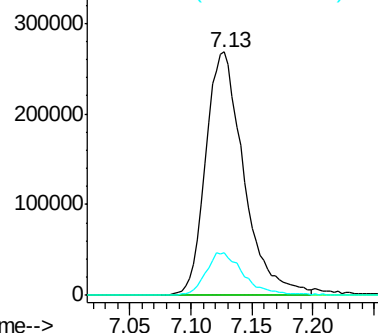


#39
 1,2-Dichloropropane
 Concen: 7.59 ppbv
 RT: 7.13
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV1DL
 Acq: 15 Feb 2022 9:50

Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.1	56.6	85.0#
62	17.6	53.9	80.9#



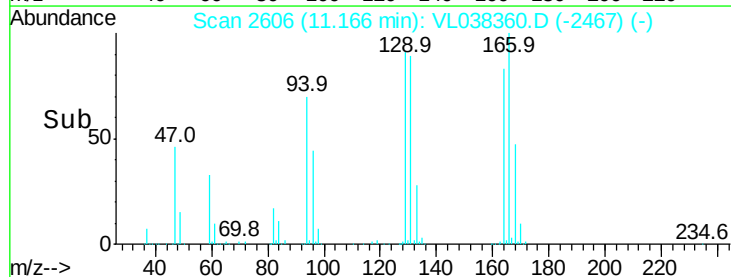
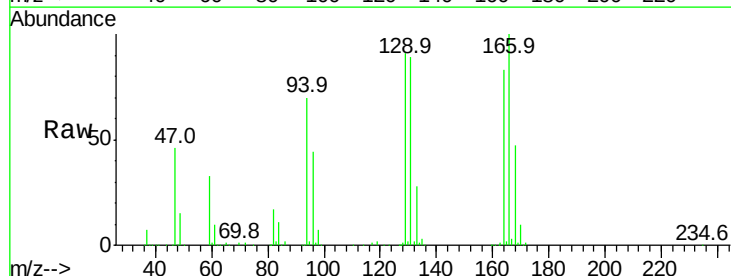
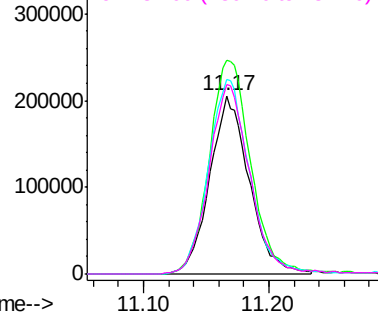
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

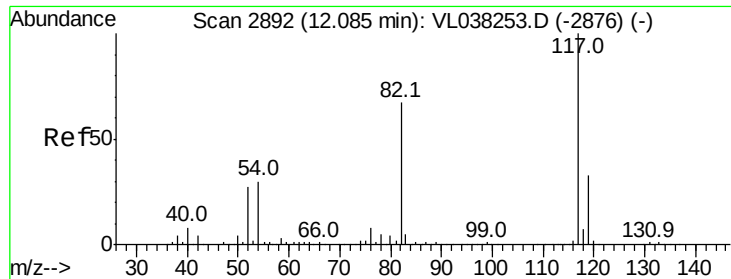


#52
 Tetrachloroethene
 Concen: 6.88 ppbv
 RT: 11.17 min Scan# 2606
 Delta R.T. -0.05 min
 Lab File: VL038360.D
 Acq: 15 Feb 2022 9:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.6	98.8	148.2
129	109.5	89.2	133.8
131	106.3	83.6	125.4

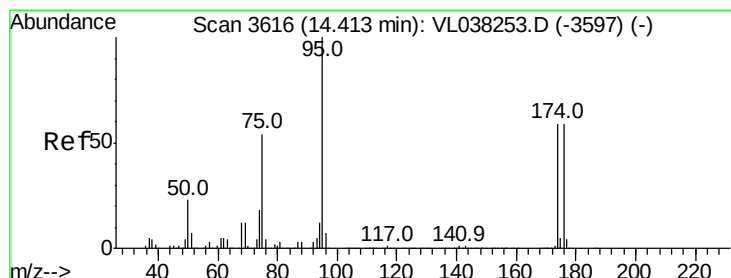
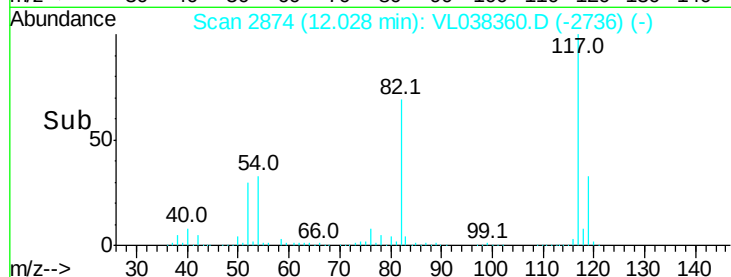
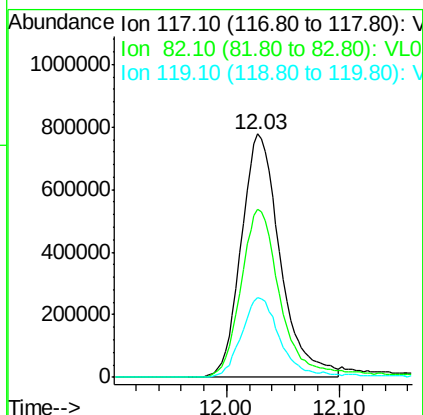
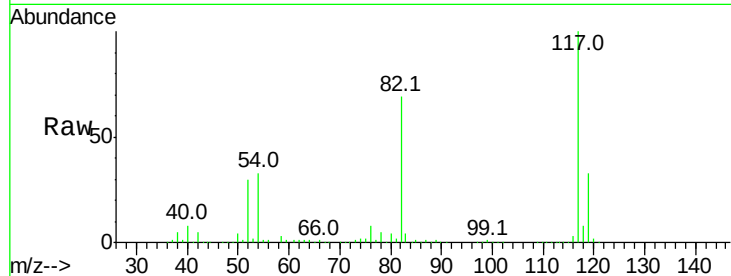
Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 165.90 (165.60 to 166.60): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V





#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.03 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 SV1DL
 Acq: 15 Feb 2022 9:50

Tgt Ion: 117 Resp: 1865635
 Ion Ratio Lower Upper
 117 100
 82 72.9 54.4 81.6
 119 34.1 45.9 68.9#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.67 ppbv
 RT: 14.36 min Scan# 3599
 Delta R.T.: -0.05 min
 Lab File: VL038360.D
 Acq: 15 Feb 2022 9:50

Tgt Ion: 95 Resp: 1510932
 Ion Ratio Lower Upper
 95 100
 174 60.1 48.3 72.5
 175 4.3 3.5 5.3

