

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012422\
 Data File : VL038271.D
 Acq On : 24 Jan 2022 22:23
 Operator : SY/AP
 Sample : N1244-01DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1DL

Quant Time: Jan 24 23:19:43 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	5.68	49	819486	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2174517	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	1826508	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1384521	9.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

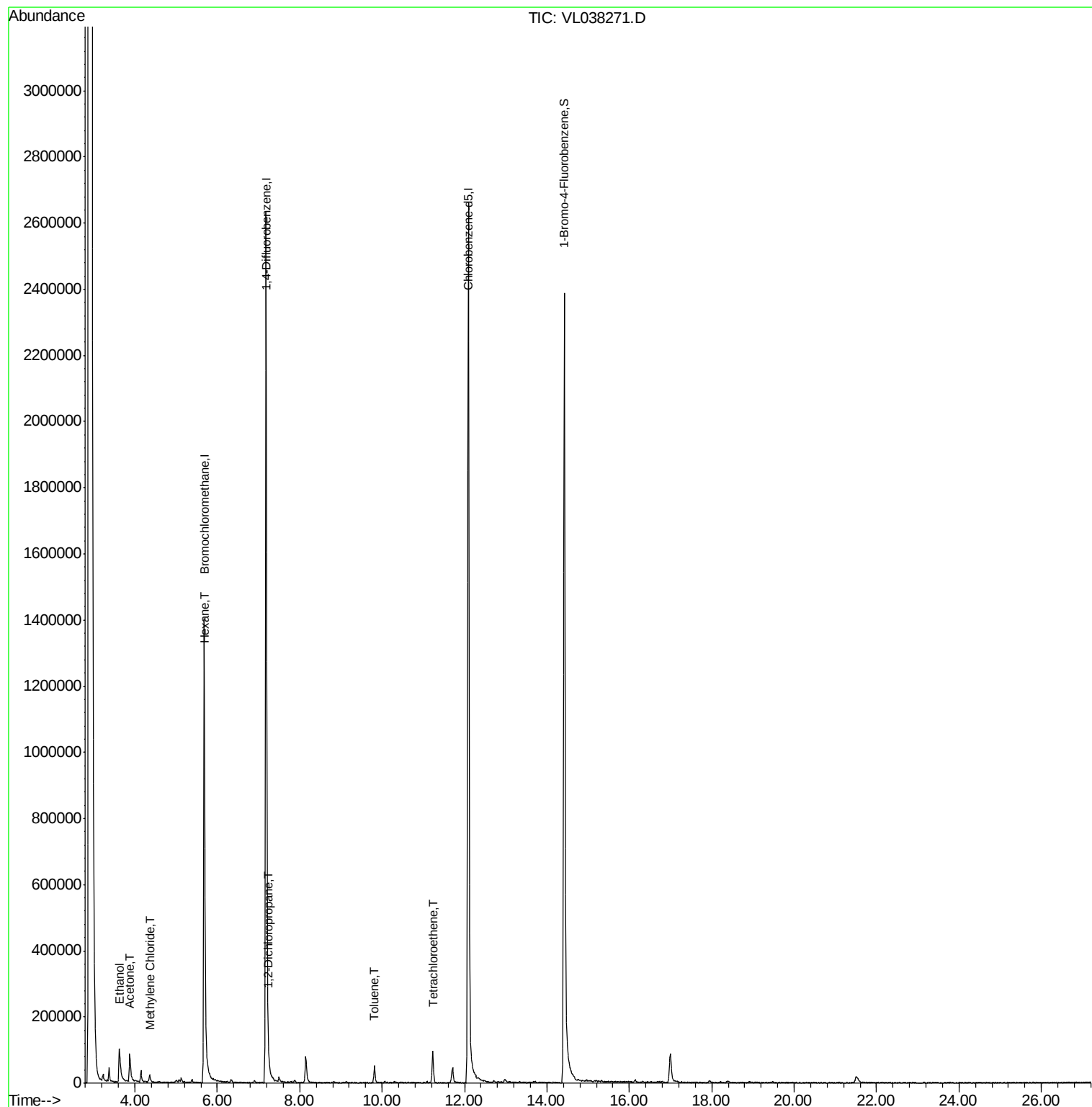
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.63	45	94147	16.514	ppbv #	37
15) Acetone	3.87	43	106928	1.480	ppbv	100
20) Methylene Chloride	4.36	84	7595	0.181	ppbv	94
26) Hexane	5.70	57	6460	0.069	ppbv #	1
39) 1,2-Dichloropropane	7.24	63	6781	0.087	ppbv #	24
52) Tetrachloroethene	11.23	164	14306	0.216	ppbv	94
53) Toluene	9.82	91	39529	0.186	ppbv	92

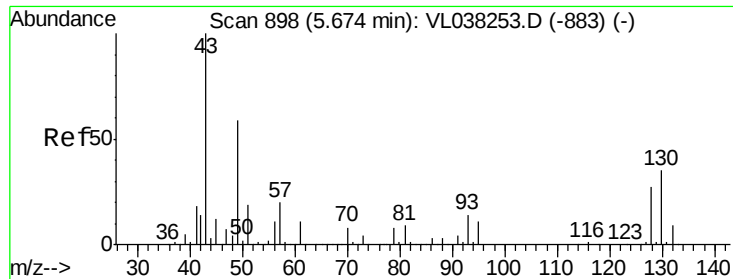
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId :

Acq: 24 Jan 2022 22:23

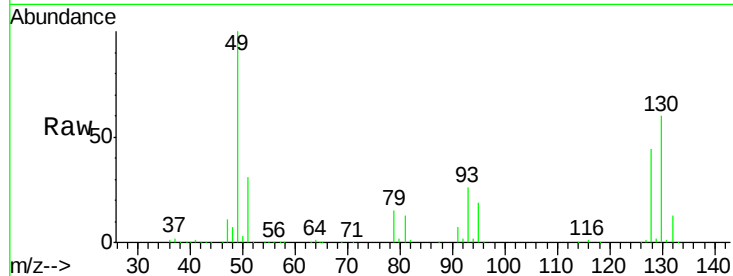
Tgt Ion: 49 Resp: 819486

Ion Ratio Lower Upper

49 100

128 47.5 24.5 73.5

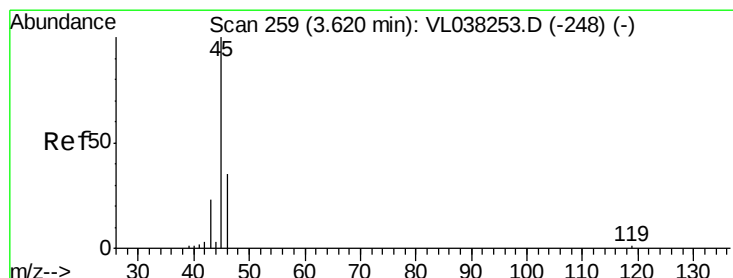
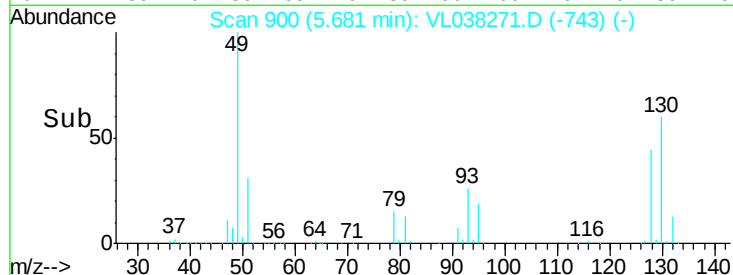
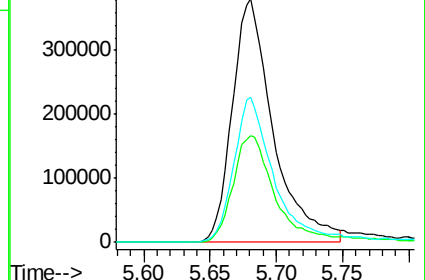
130 60.6 30.1 90.5



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



#13

Ethanol

Concen: 16.514 ppbv

RT: 3.63 min Scan# 261

Delta R.T. 0.01 min

Lab File: VL038271.D

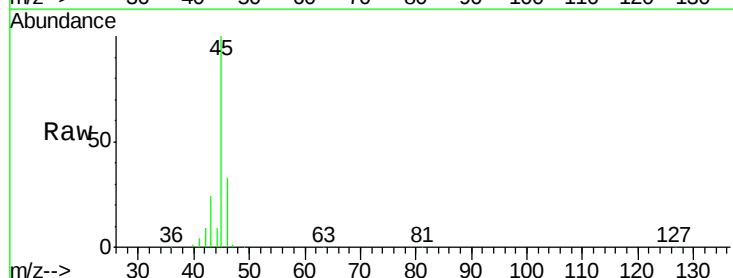
Acq: 24 Jan 2022 22:23

Tgt Ion: 45 Resp: 94147

Ion Ratio Lower Upper

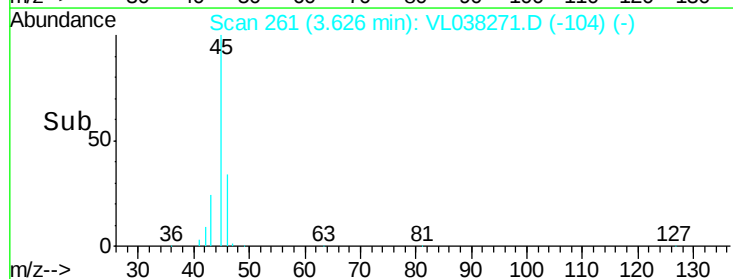
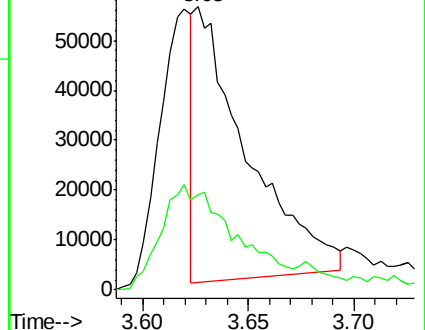
45 100

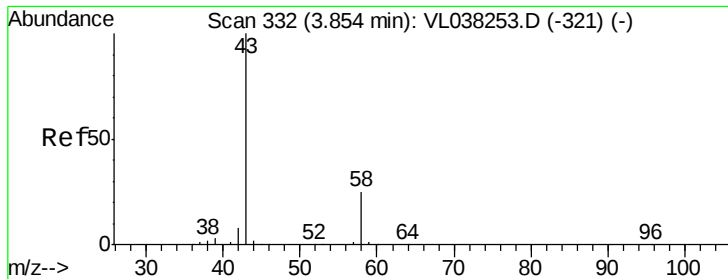
46 0.0 15.4 61.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.480 ppbv

RT: 3.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

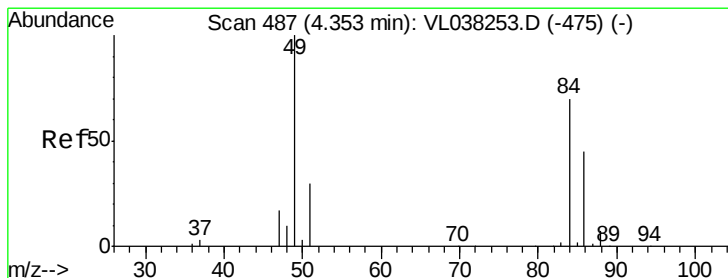
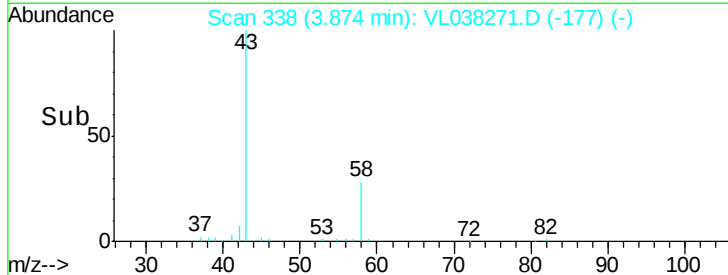
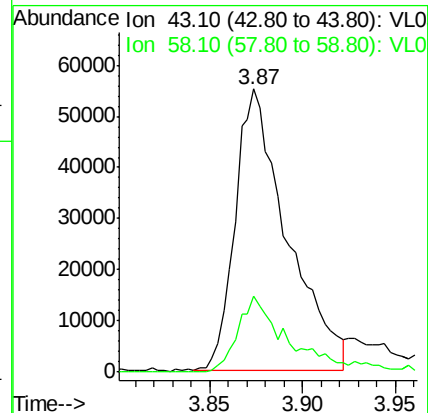
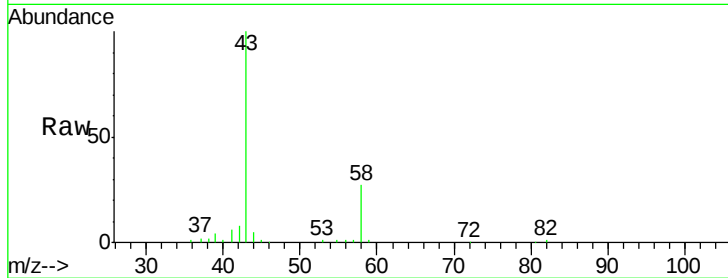
Acq: 24 Jan 2022 22:23

Tgt Ion: 43 Resp: 106928

Ion Ratio Lower Upper

43 100

58 26.8 21.5 32.3



#20

Methylene Chloride

Concen: 0.181 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.01 min

Lab File: VL038271.D

Acq: 24 Jan 2022 22:23

Tgt Ion: 84 Resp: 7595

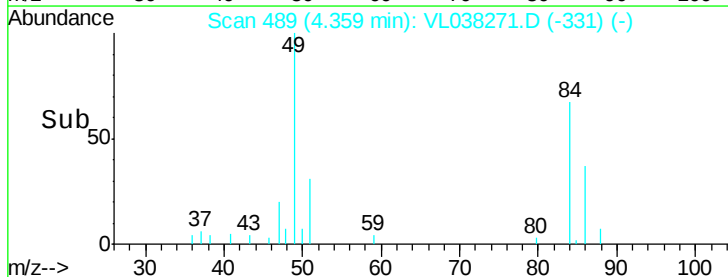
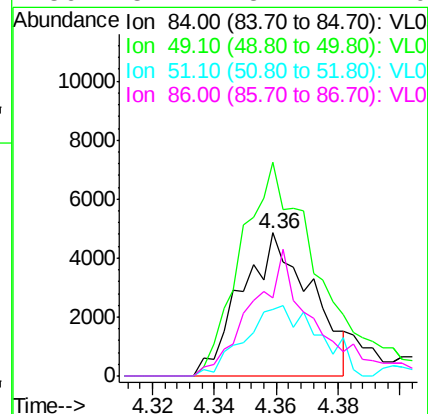
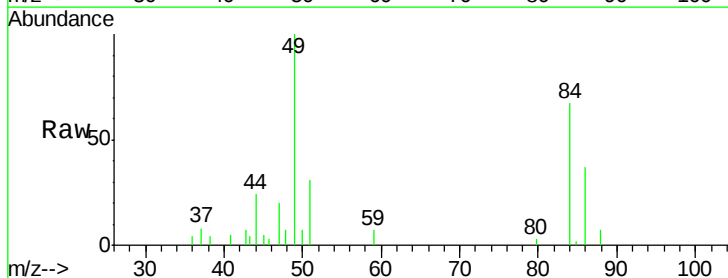
Ion Ratio Lower Upper

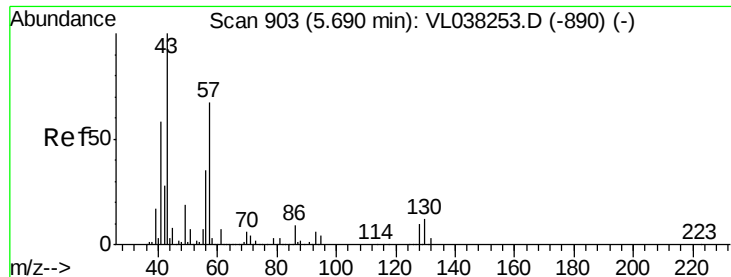
84 100

49 149.1 115.0 172.6

51 46.1 35.0 52.6

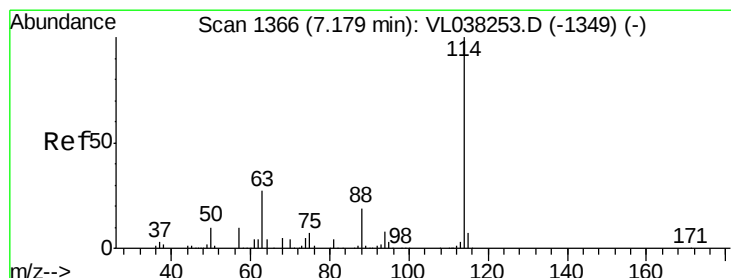
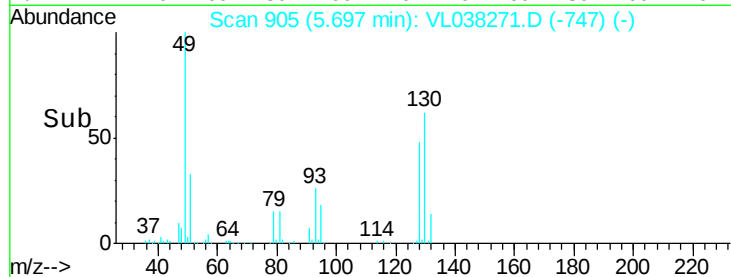
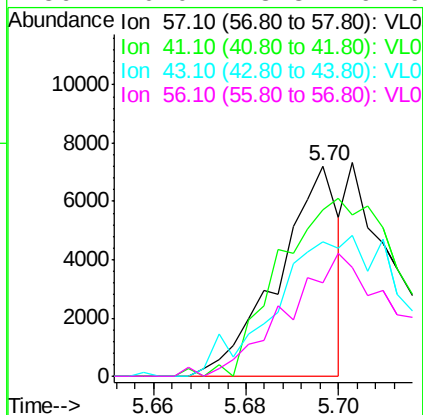
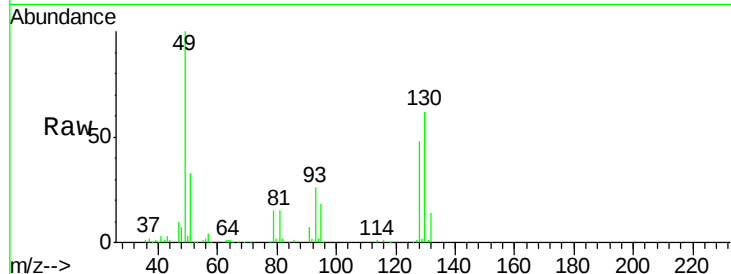
86 54.7 51.4 77.0





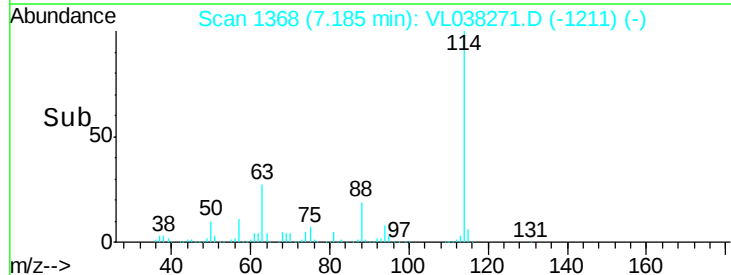
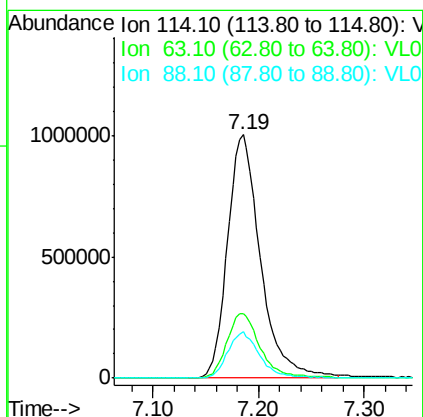
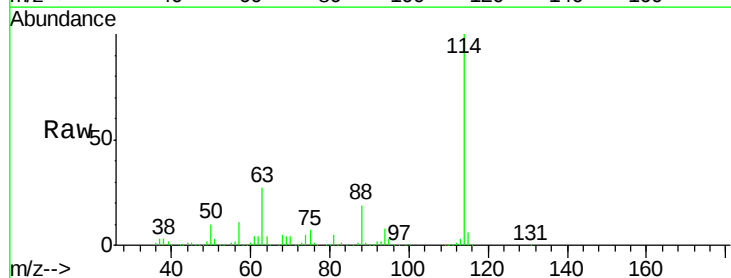
#26
Hexane
Concen: 0.069 ppbv
RT: 5.70
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Jan 2022 22:23

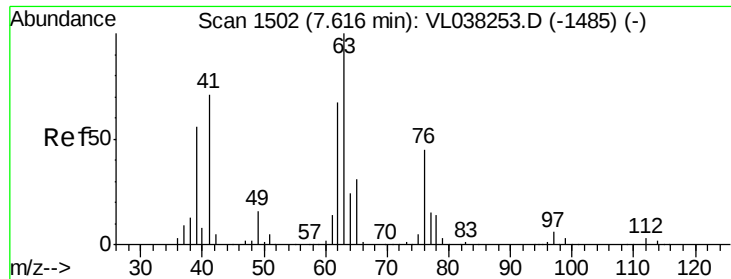
Tgt Ion: 57 Resp: 6460
Ion Ratio Lower Upper
57 100
41 0.0 72.8 109.2#
43 0.0 177.0 265.6#
56 0.0 43.3 64.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VL038271.D
Acq: 24 Jan 2022 22:23

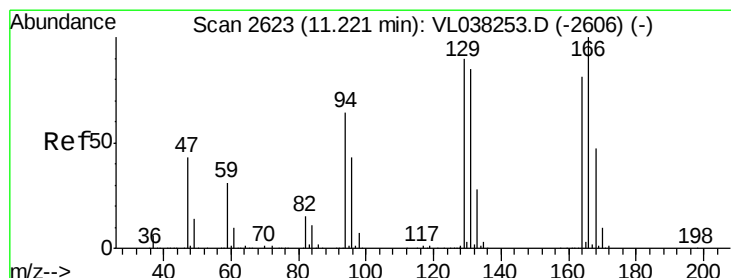
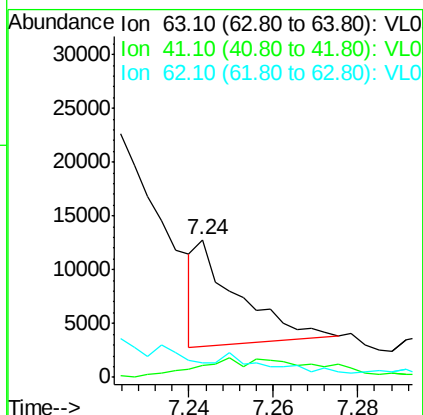
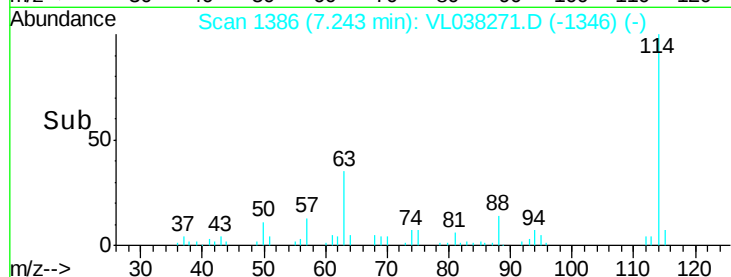
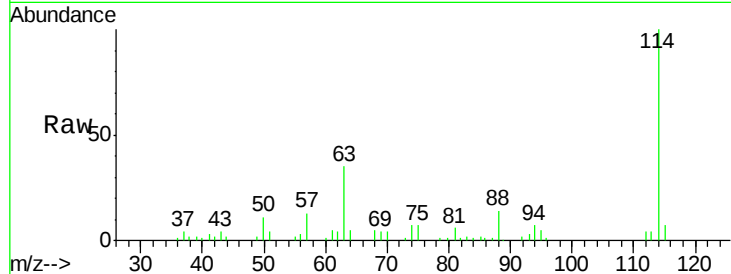
Tgt Ion: 114 Resp: 2174517
Ion Ratio Lower Upper
114 100
63 27.4 22.0 33.0
88 18.8 15.0 22.6





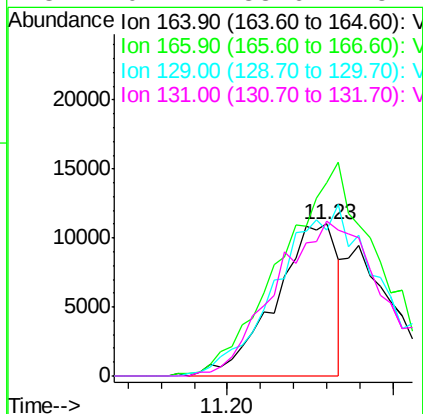
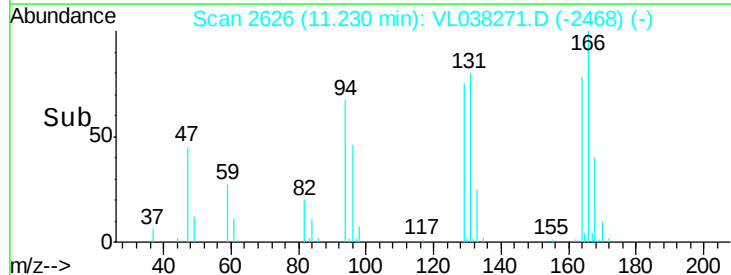
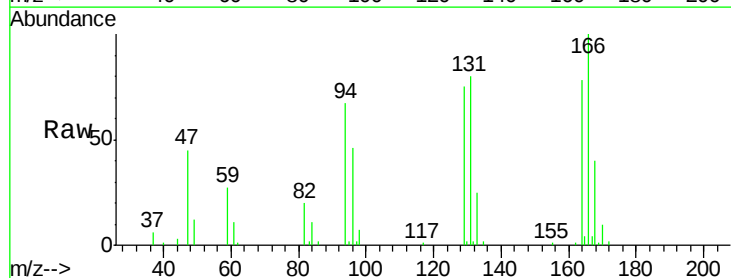
#39
 1,2-Dichloropropane
 Concen: 0.087 ppbv
 RT: 7.24
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Jan 2022 22:23

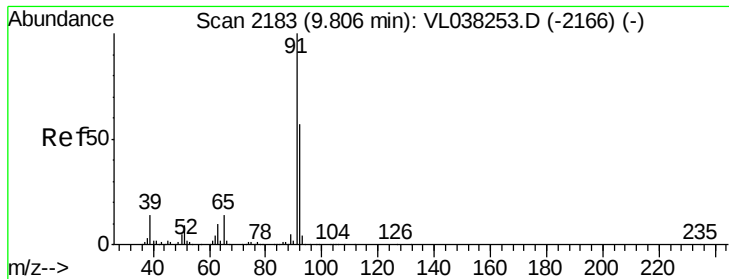
Tgt Ion: 63 Resp: 6781
 Ion Ratio Lower Upper
 63 100
 41 4.8 56.6 85.0#
 62 9.5 53.9 80.9#



#52
 Tetrachloroethene
 Concen: 0.216 ppbv
 RT: 11.23 min Scan# 2626
 Delta R.T. 0.01 min
 Lab File: VL038271.D
 Acq: 24 Jan 2022 22:23

Tgt Ion: 164 Resp: 14306
 Ion Ratio Lower Upper
 164 100
 166 126.3 98.8 148.2
 129 97.4 89.2 133.8
 131 102.2 83.6 125.4





#53

Toluene

Concen: 0.186 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

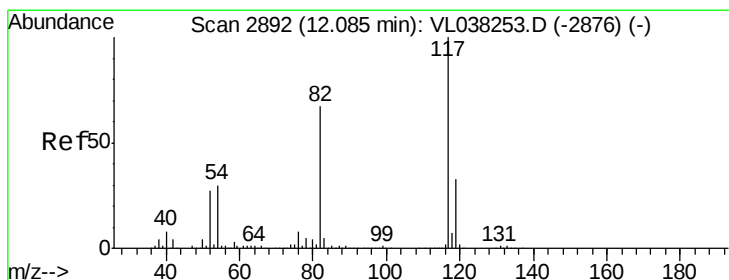
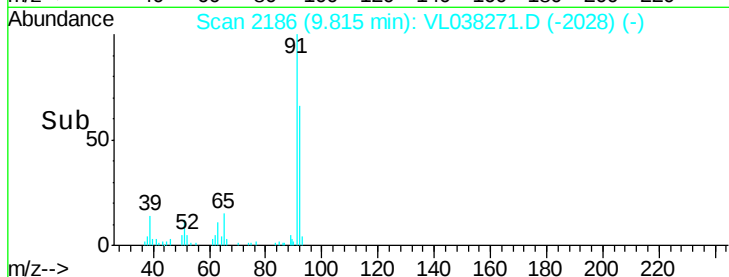
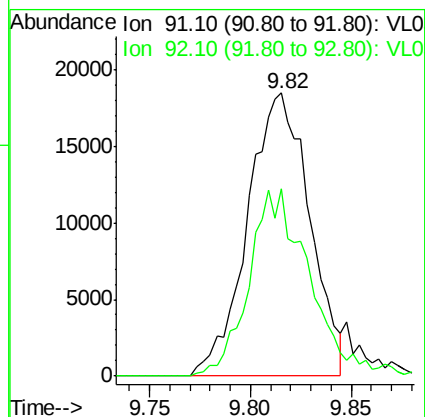
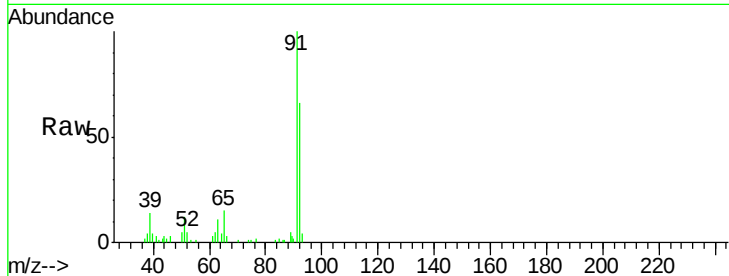
Acq: 24 Jan 2022 22:23 SG-1DL

Tgt Ion: 91 Resp: 39529

Ion Ratio Lower Upper

91 100

92 65.3 47.4 71.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. 0.00 min

Lab File: VL038271.D

Acq: 24 Jan 2022 22:23

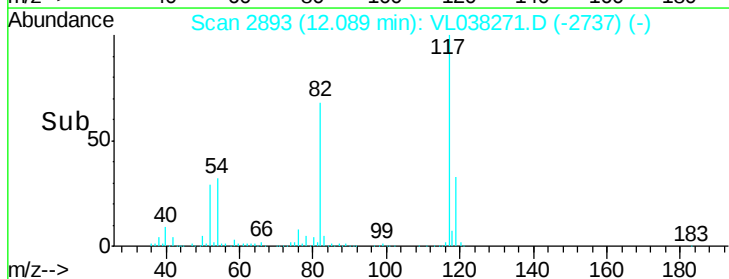
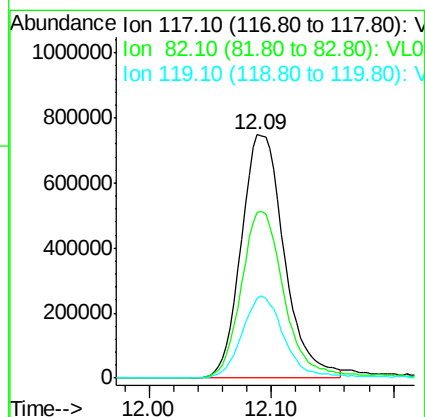
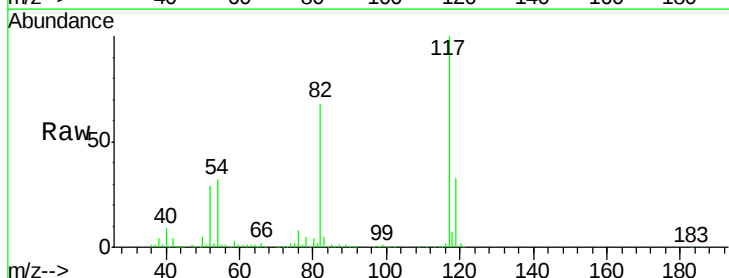
Tgt Ion: 117 Resp: 1826508

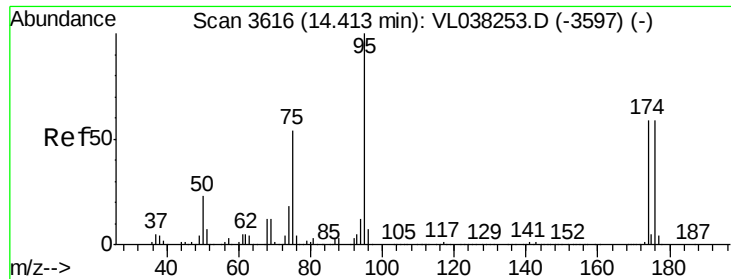
Ion Ratio Lower Upper

117 100

82 70.9 54.4 81.6

119 33.4 45.9 68.9#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.987 ppbv

RT: 14.42

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Jan 2022 22:25

Tgt Ion: 95 Resp: 1384521

Ion Ratio Lower Upper

95 100

174 60.1 48.3 72.5

175 4.3 3.5 5.3

