

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL040521\
 Data File : VL036691.D
 Acq On : 6 Apr 2021 3:00
 Operator : SY/AP
 Sample : M1877-07DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 06 14:51:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1289518	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3065007	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2818310	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2193130	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

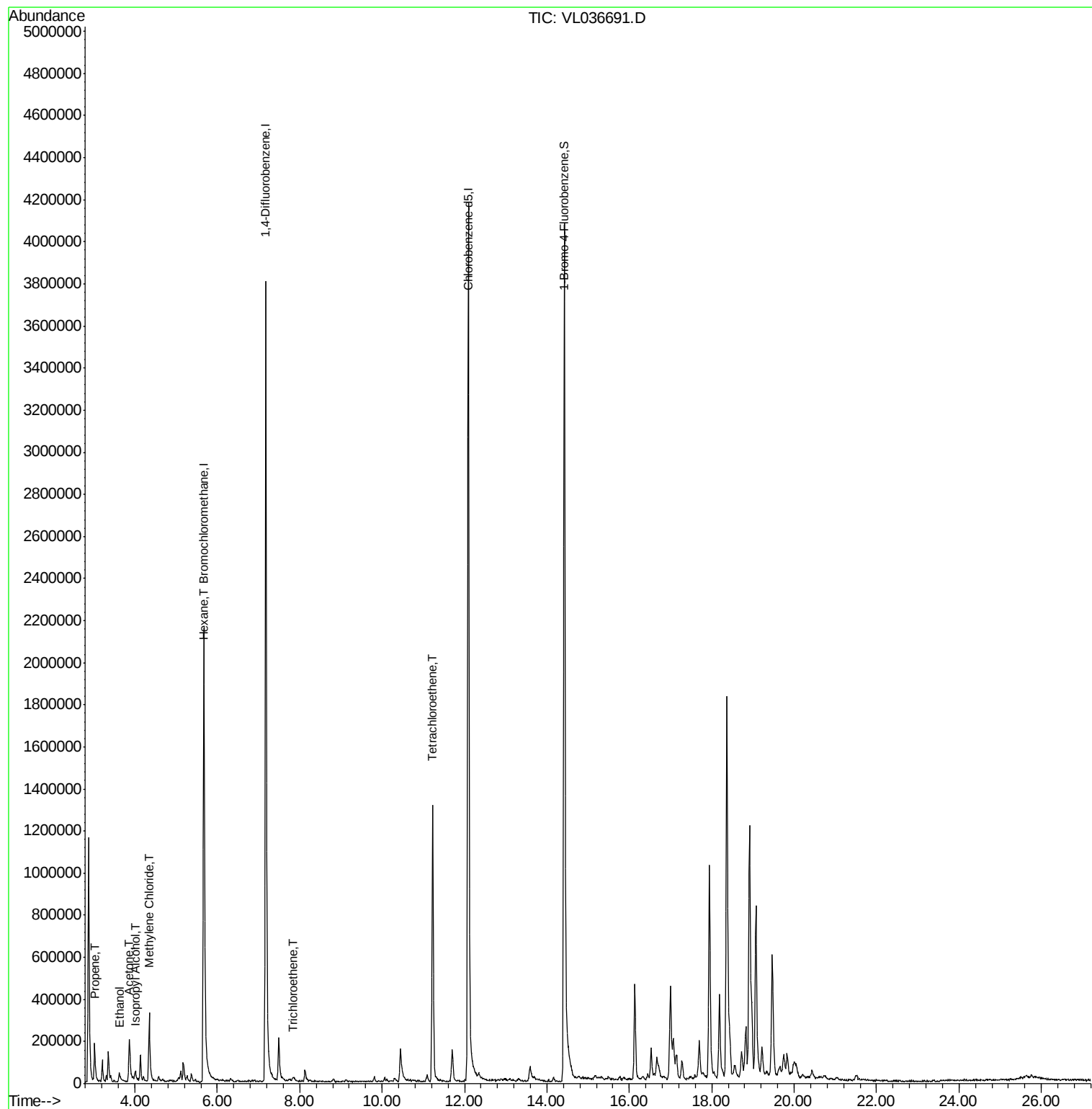
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	57924	0.754	ppbv #	79
13) Ethanol	3.62	45	66139m	7.231	ppbv	
15) Acetone	3.85	43	266389m	2.099	ppbv	
19) Isopropyl Alcohol	4.01	45	62799m	0.899	ppbv	
20) Methylene Chloride	4.35	84	123267	2.074	ppbv	98
26) Hexane	5.69	57	93110	0.665	ppbv #	43
38) Trichloroethene	7.83	130	4302m	0.039	ppbv	
52) Tetrachloroethene	11.23	164	320229	3.076	ppbv	97

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL036691.D

Acq: 6 Apr 2021 3:00

Instrument :

MSVOA_L

ClientSampleId :

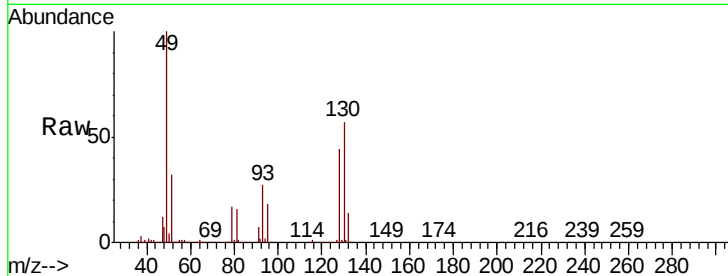
Tot Ion: 49 Resp: 1289518

Ion Ratio Lower Upper

49 100

128 46.2 23.5 70.6

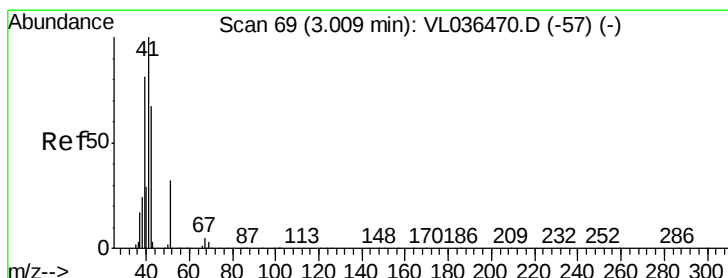
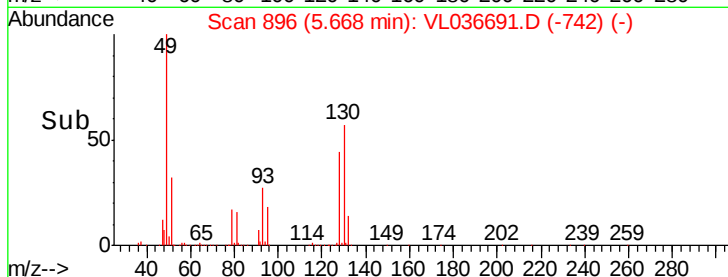
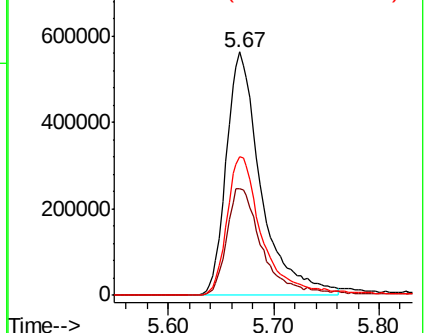
130 59.6 29.1 87.4



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: 0.754 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL036691.D

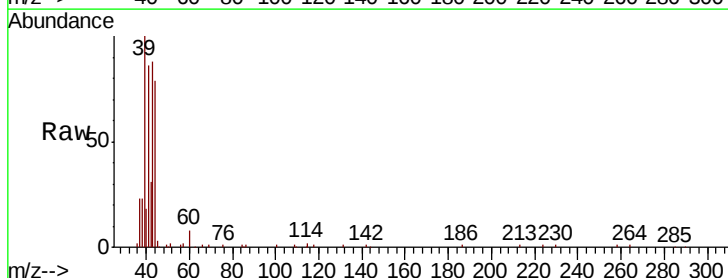
Acq: 6 Apr 2021 3:00

Tgt Ion: 41 Resp: 57924

Ion Ratio Lower Upper

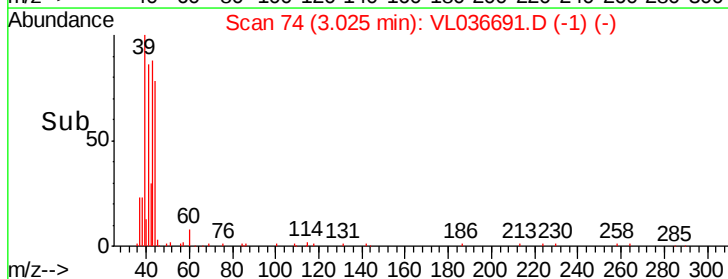
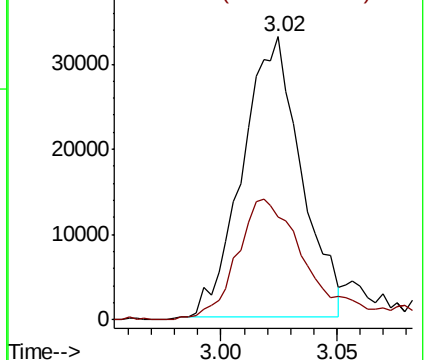
41 100

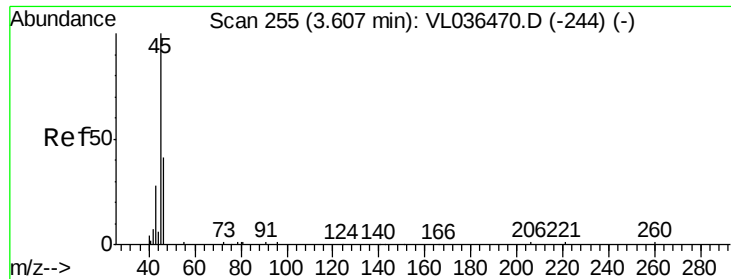
42 54.0 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

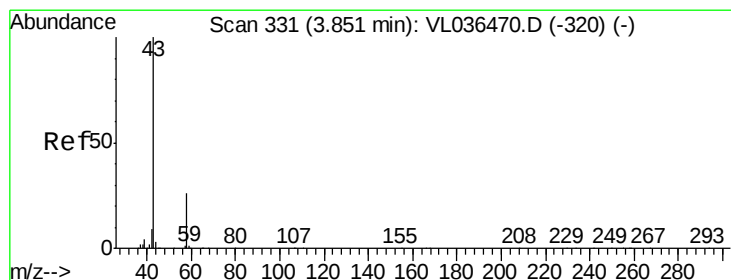
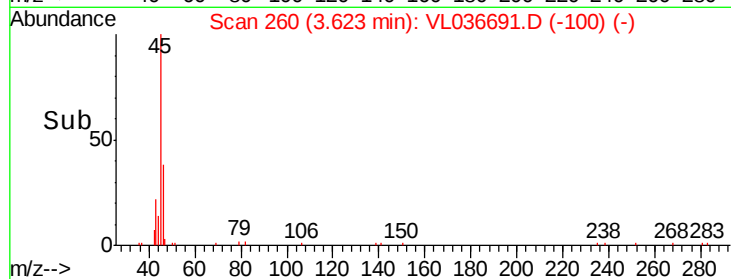
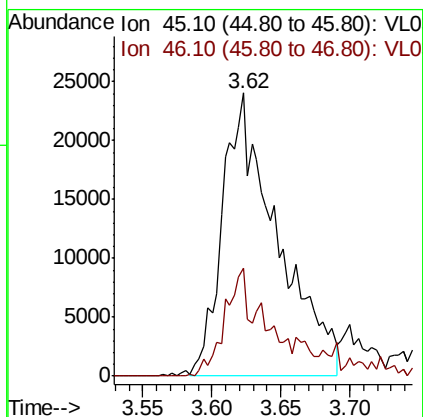
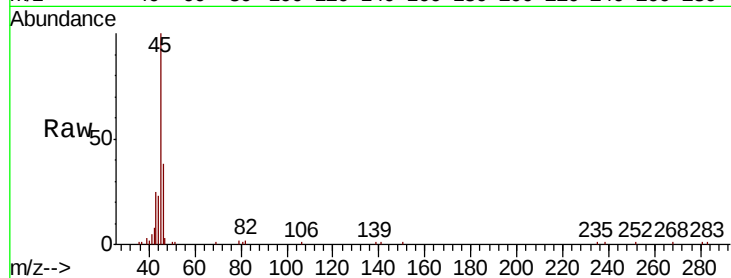




#13
Ethanol
Concen: 7.231 ppbv m
RT: 3.62 min Scan# 260
Delta R.T. 0.02 min
Lab File: VL036691.D
Acq: 6 Apr 2021 3:00

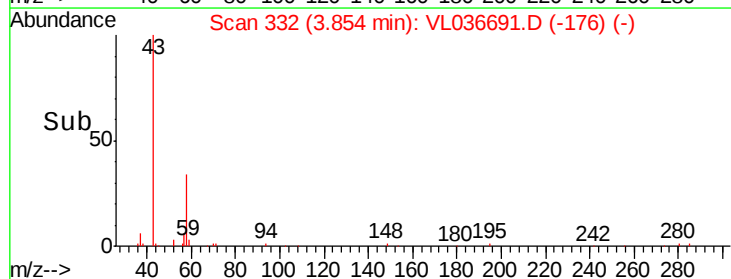
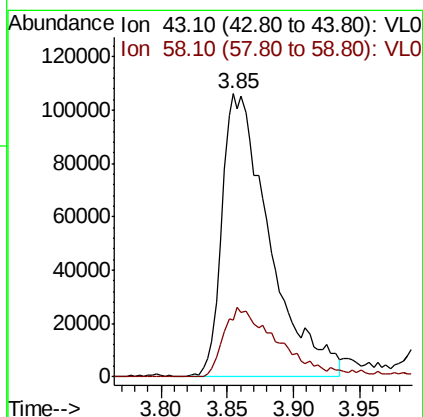
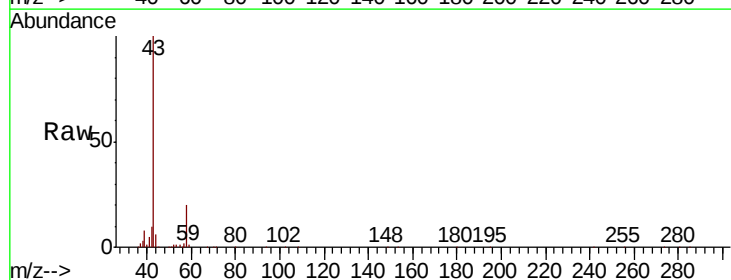
Instrument :
MSVOA_L
ClientSampleId :

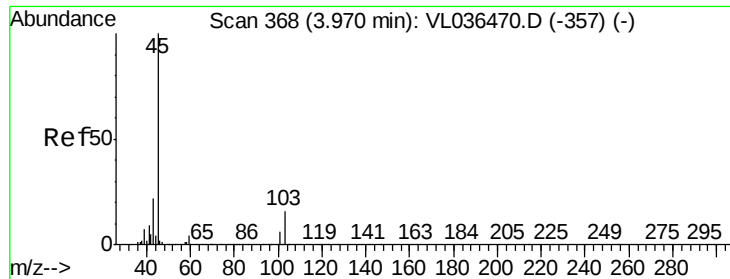
Tot Ion: 45 Resp: 66139
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.2#



#15
Acetone
Concen: 2.099 ppbv m
RT: 3.85 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL036691.D
Acq: 6 Apr 2021 3:00

Tgt Ion: 43 Resp: 266389
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#





#19

Isopropyl Alcohol

Concen: 0.899 ppbv m

RT: 4.01 min Scan# 381

Delta R.T. 0.04 min

Lab File: VL036691.D

Acq: 6 Apr 2021 3:00

Instrument :

MSVOA_L

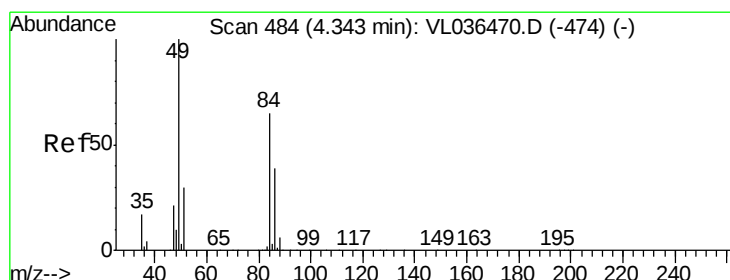
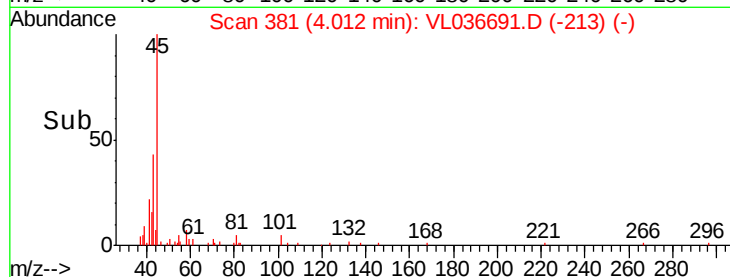
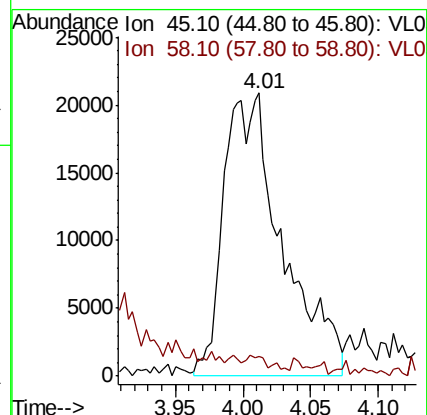
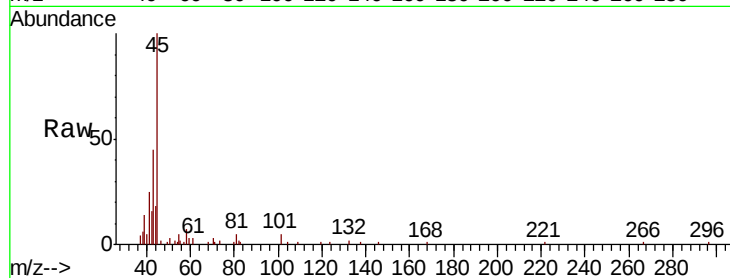
ClientSampleId :

Tot Ion: 45 Resp: 62799

Ion Ratio Lower Upper

45 100

58 0.0 2.9 4.3#



#20

Methylene Chloride

Concen: 2.074 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL036691.D

Acq: 6 Apr 2021 3:00

Tgt Ion: 84 Resp: 123267

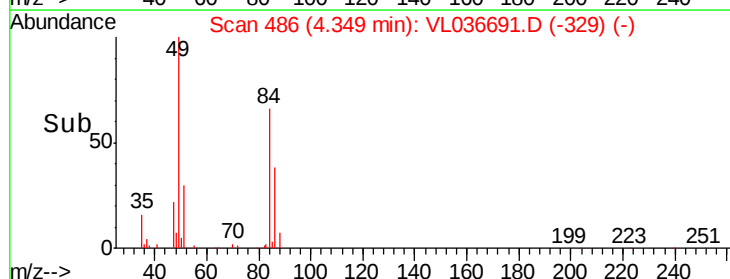
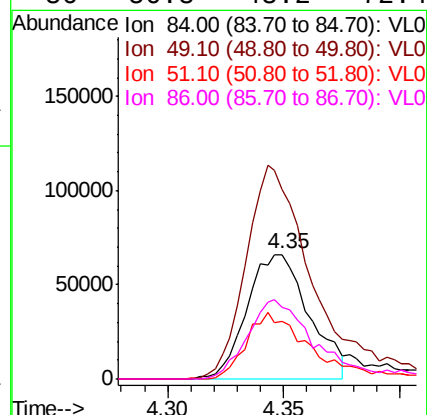
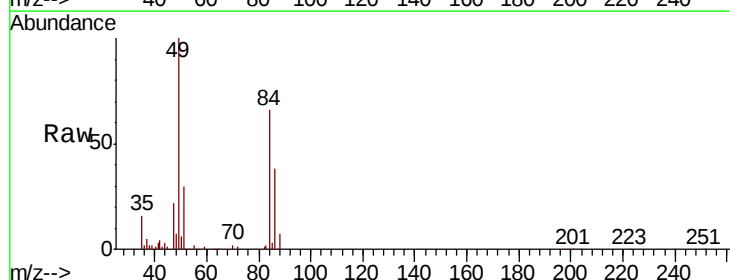
Ion Ratio Lower Upper

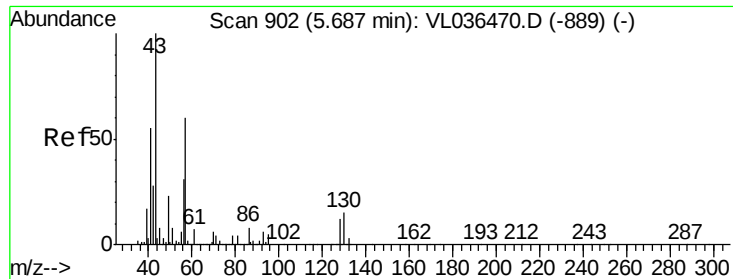
84 100

49 151.9 122.9 184.3

51 45.2 36.9 55.3

86 56.8 48.2 72.4

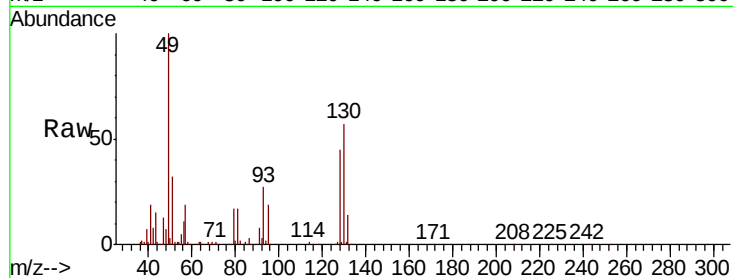




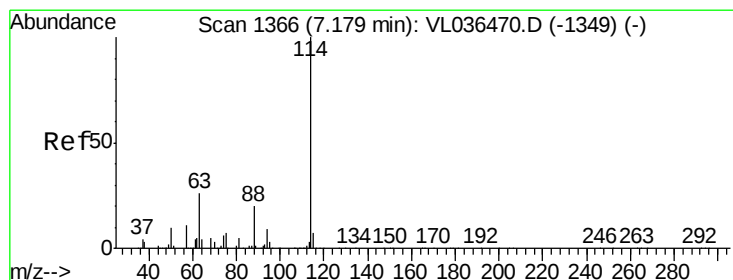
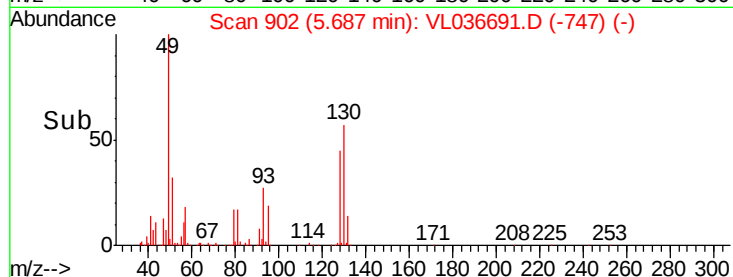
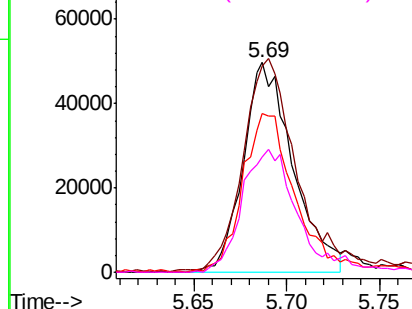
#26
Hexane
Concen: 0.665 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL036691.D
Acq: 6 Apr 2021 3:00

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 93110
Ion Ratio Lower Upper
57 100
41 116.4 77.2 115.8#
43 82.3 173.8 260.6#
56 65.4 43.8 65.6

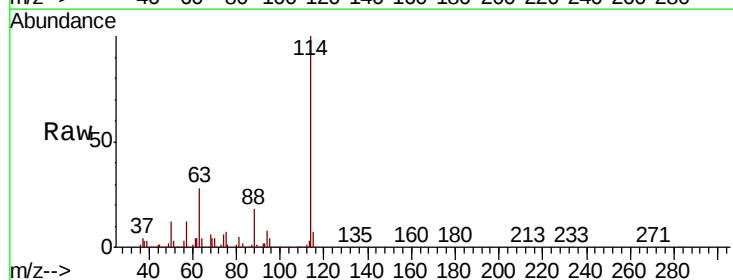


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

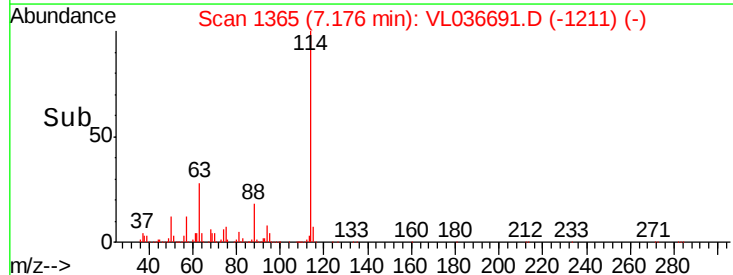
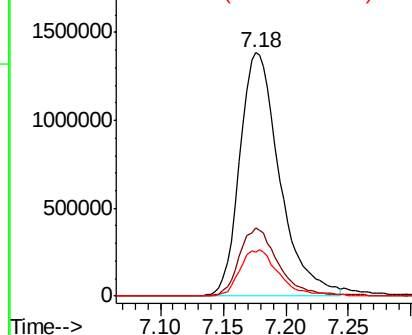


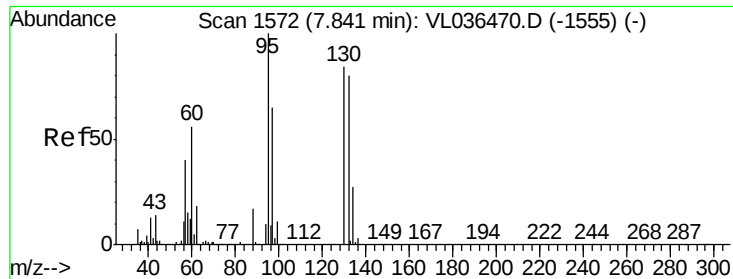
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL036691.D
Acq: 6 Apr 2021 3:00

Tgt Ion: 114 Resp: 3065007
Ion Ratio Lower Upper
114 100
63 27.8 22.4 33.6
88 19.1 15.4 23.0



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

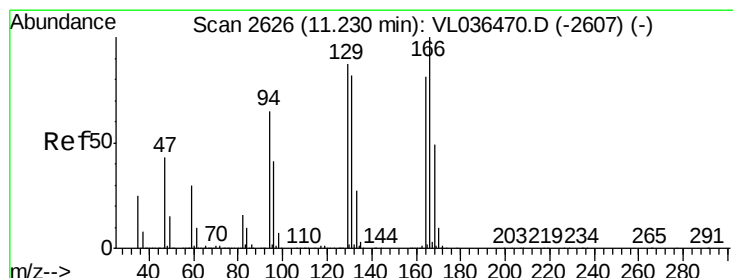
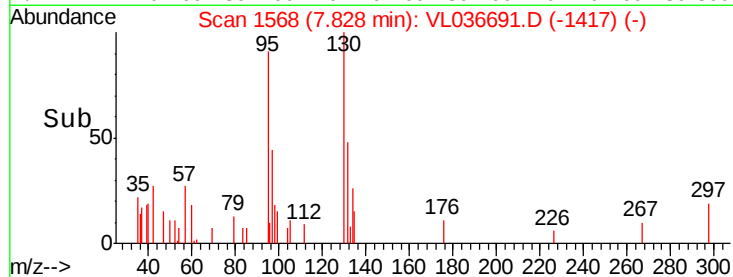
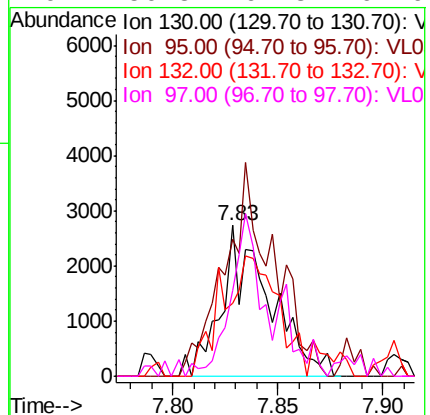
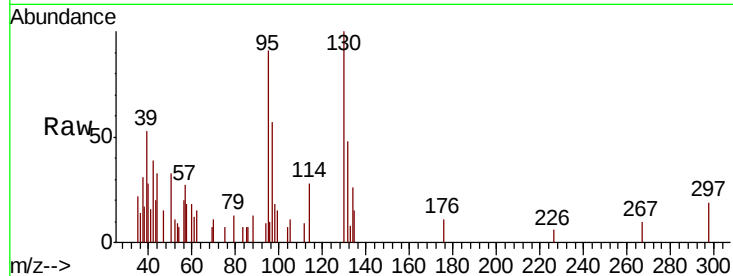




#38
 Trichloroethene
 Concen: 0.039 ppbv m
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VL036691.D
 Acq: 6 Apr 2021 3:00

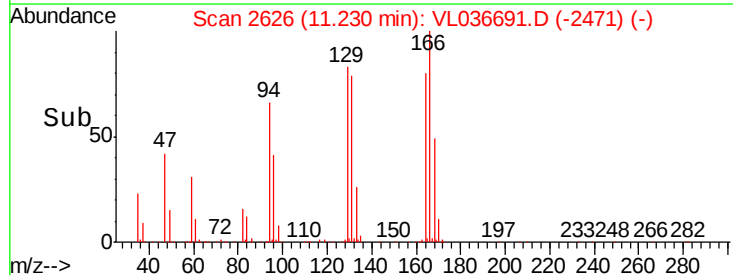
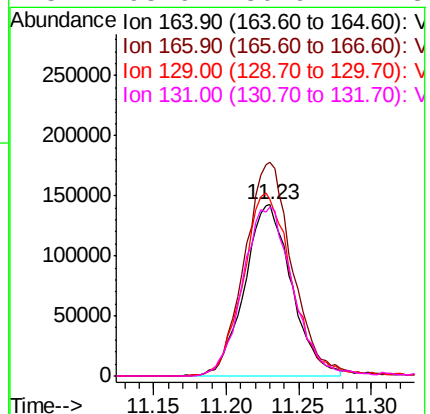
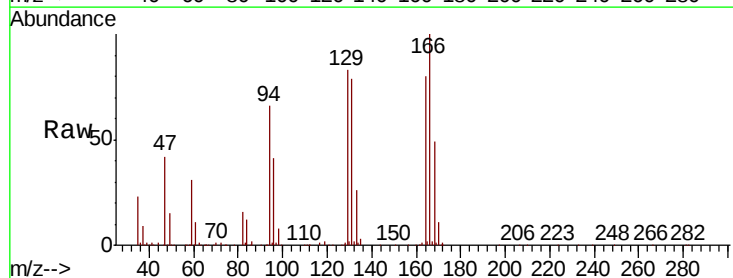
Instrument :
 MSVOA_L
 ClientSampled :

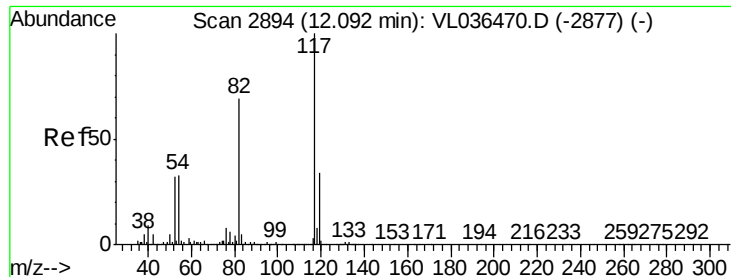
Tot Ion:130 Resp: 4302
 Ion Ratio Lower Upper
 130 100
 95 90.7 95.7 143.5#
 132 48.3 76.2 114.4#
 97 56.8 61.8 92.6#



#52
 Tetrachloroethene
 Concen: 3.076 ppbv
 RT: 11.23 min Scan# 2626
 Delta R.T. -0.00 min
 Lab File: VL036691.D
 Acq: 6 Apr 2021 3:00

Tgt Ion:164 Resp: 320229
 Ion Ratio Lower Upper
 164 100
 166 124.8 98.3 147.5
 129 103.1 85.8 128.8
 131 98.6 80.9 121.3

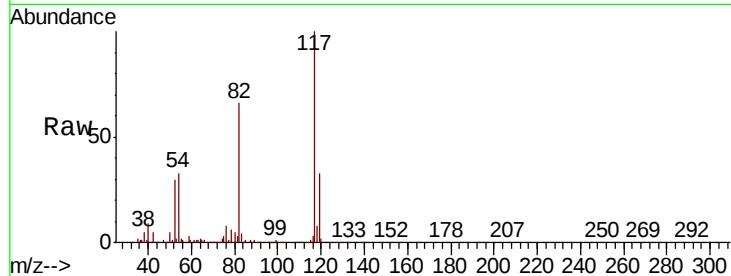




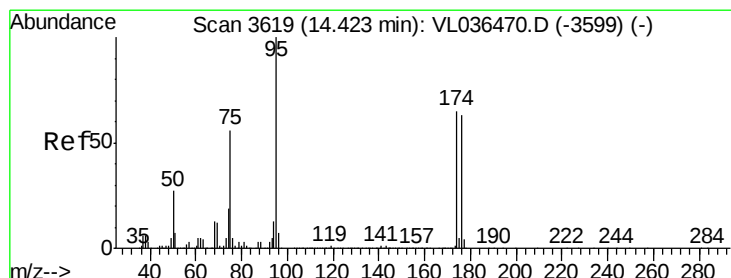
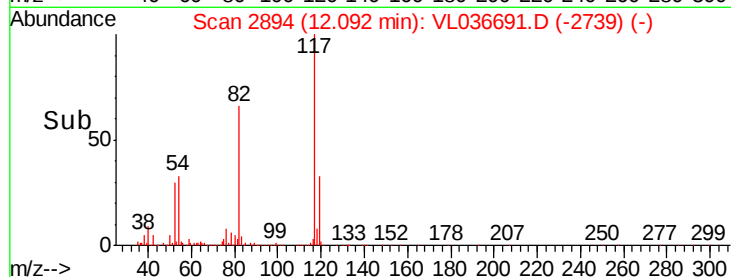
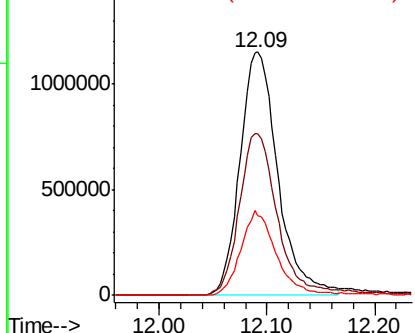
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL036691.D
Acq: 6 Apr 2021 3:00

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2818310
Ion Ratio Lower Upper
117 100
82 68.9 57.4 86.0
119 32.9 47.4 71.0#

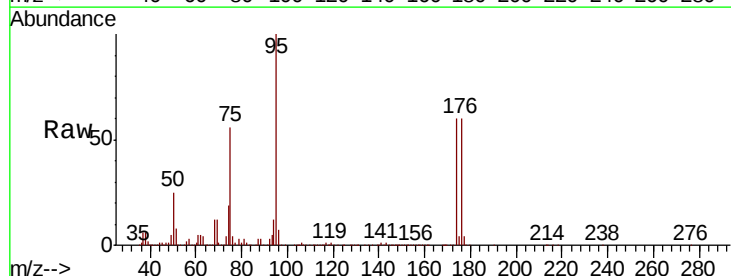


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.764 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL036691.D
Acq: 6 Apr 2021 3:00

Tgt Ion: 95 Resp: 2193130
Ion Ratio Lower Upper
95 100
174 66.6 51.0 76.6
175 4.9 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

