

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040121\
 Data File : VL036631.D
 Acq On : 1 Apr 2021 14:13
 Operator : SY/AP
 Sample : M1841-08DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 02 01:22:18 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	5.68	49	1454043	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3330113	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2859775	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2279898	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

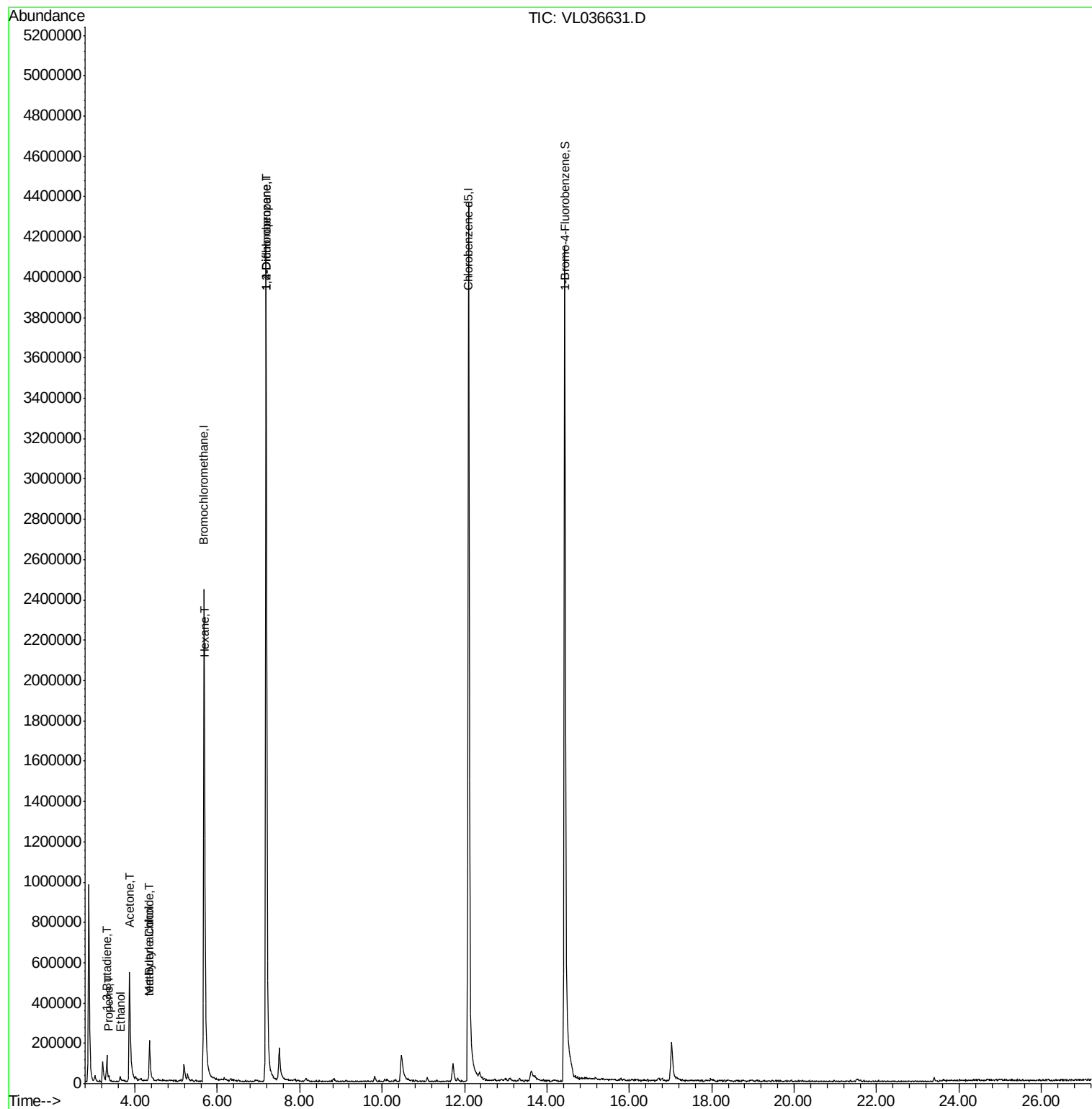
Target Compounds					Ovalue
9) Propene	3.37	41	6134	0.071	ppbv 96
13) Ethanol	3.64	45	17549	1.702	ppbv 67
15) Acetone	3.87	43	833849	5.827	ppbv 96
16) 1,3-Butadiene	3.32	39	36604	0.367	ppbv # 25
17) tert-Butyl alcohol	4.36	59	26003	0.209	ppbv # 94
20) Methylene Chloride	4.36	84	56386	0.842	ppbv # 84
26) Hexane	5.70	57	41937	0.266	ppbv # 43
39) 1,2-Dichloropropane	7.19	63	920797	7.391	ppbv # 25

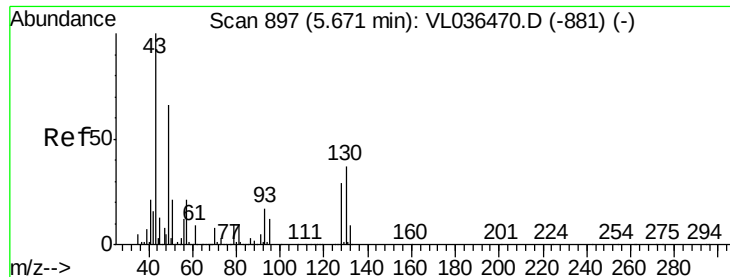
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040121\
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QLast Update : Thu Mar 25 09:42:40 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.01 min

Lab File: VL036631.D

Acq: 1 Apr 2021 14:13

Instrument :
MSVOA_L
ClientSampleId :

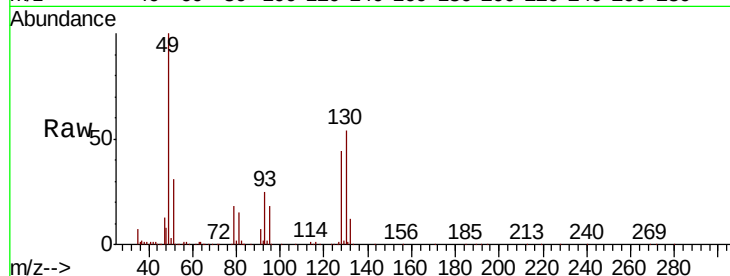
Tot Ion: 49 Resp: 1454043

Ion Ratio Lower Upper

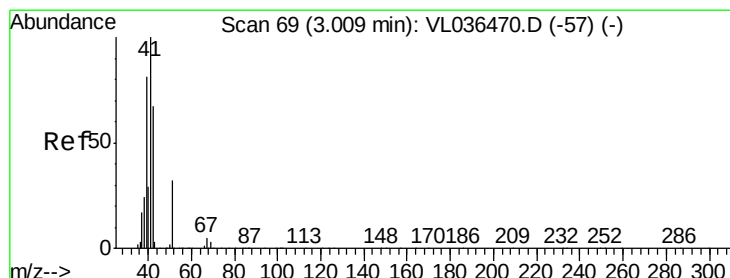
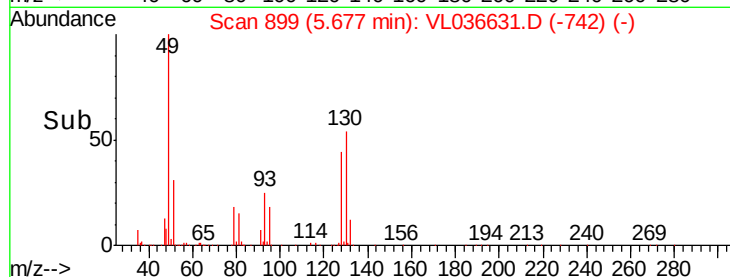
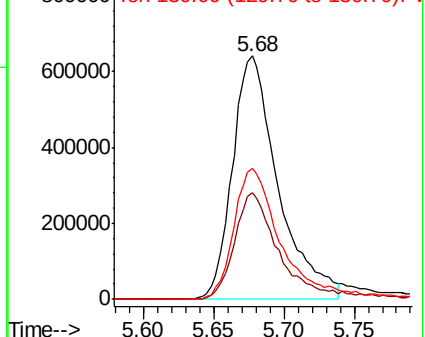
49 100

128 45.2 23.5 70.6

130 57.7 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: 0.071 ppbv

RT: 3.37 min Scan# 180

Delta R.T. 0.36 min

Lab File: VL036631.D

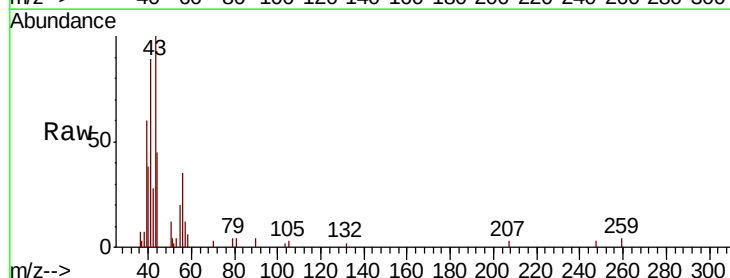
Acq: 1 Apr 2021 14:13

Tgt Ion: 41 Resp: 6134

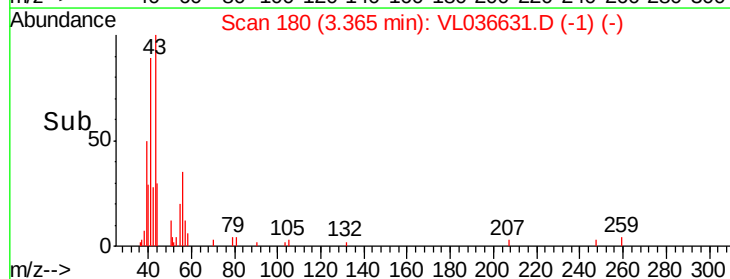
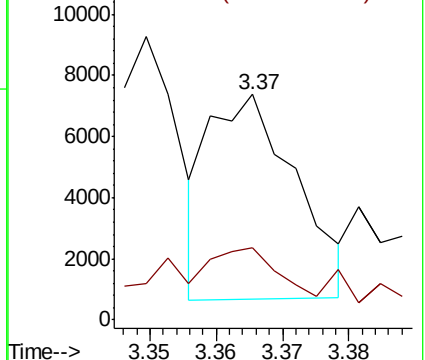
Ion Ratio Lower Upper

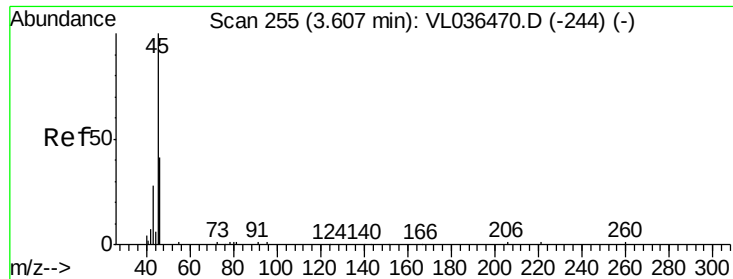
41 100

42 74.8 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0

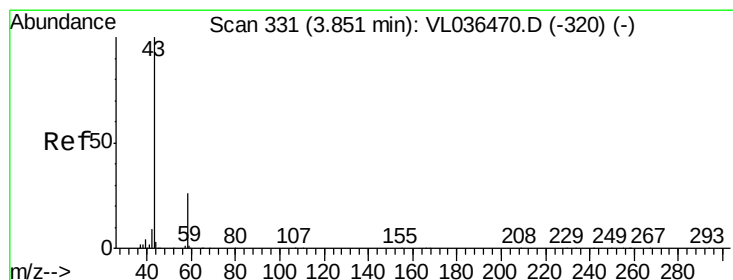
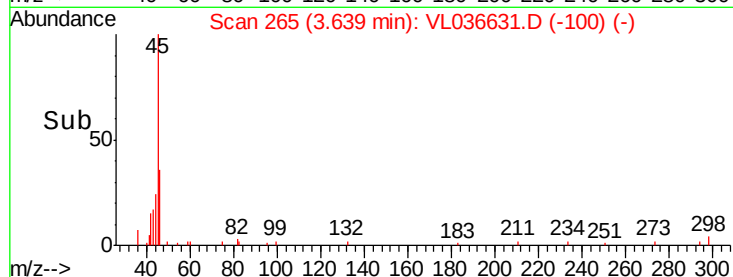
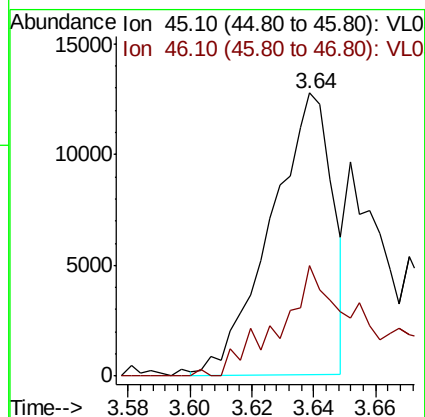
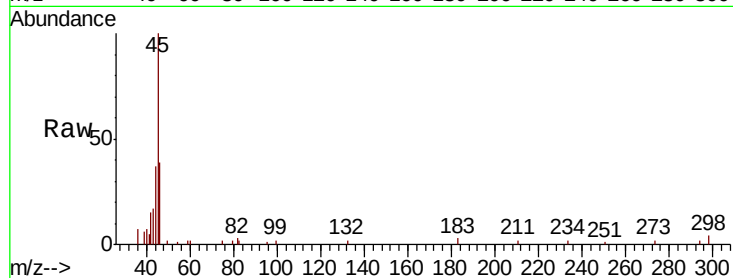




#13
Ethanol
Concen: 1.702 ppbv
RT: 3.64 min Scan# 265
Delta R.T. 0.03 min
Lab File: VL036631.D
Acq: 1 Apr 2021 14:13

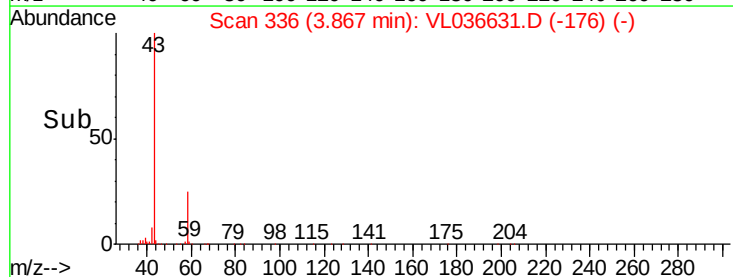
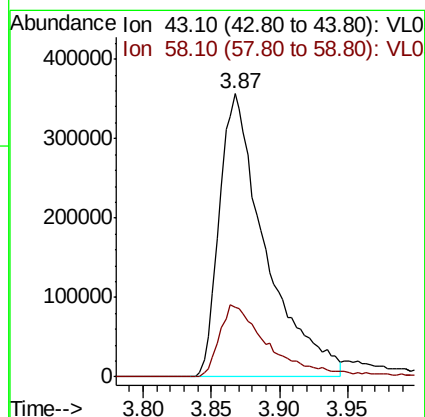
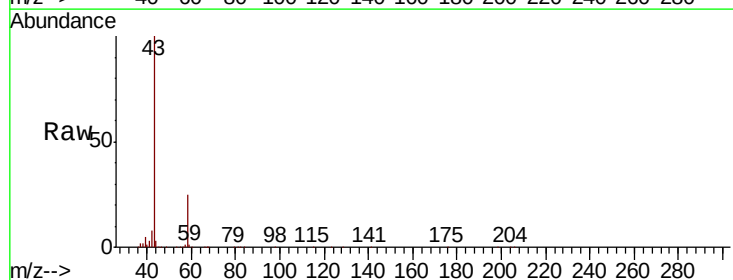
Instrument :
MSVOA_L
ClientSampleId :

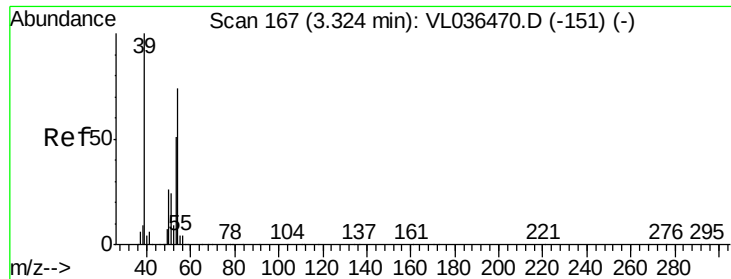
Tot Ion: 45 Resp: 17549
Ion Ratio Lower Upper
45 100
46 62.3 16.6 66.2



#15
Acetone
Concen: 5.827 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.02 min
Lab File: VL036631.D
Acq: 1 Apr 2021 14:13

Tgt Ion: 43 Resp: 833849
Ion Ratio Lower Upper
43 100
58 28.5 21.2 31.8

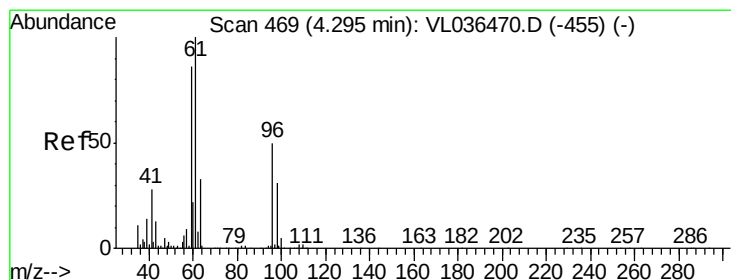
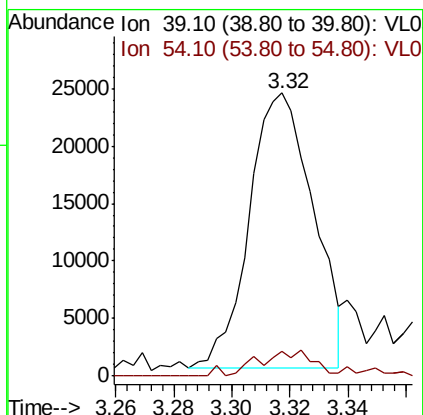
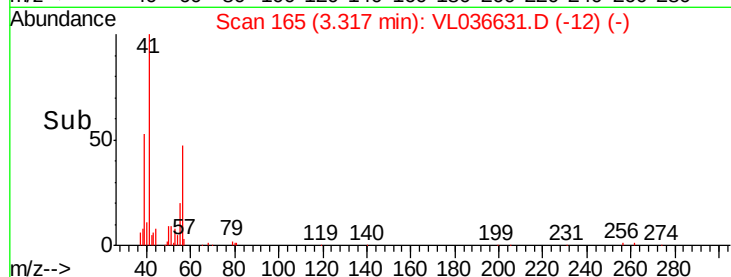
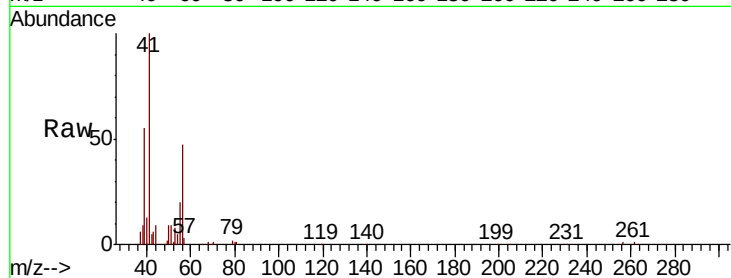




#16
 1,3-Butadiene
 Concen: 0.367 ppbv
 RT: 3.32 min Scan# 165
 Delta R.T. -0.01 min
 Lab File: VL036631.D
 Acq: 1 Apr 2021 14:13

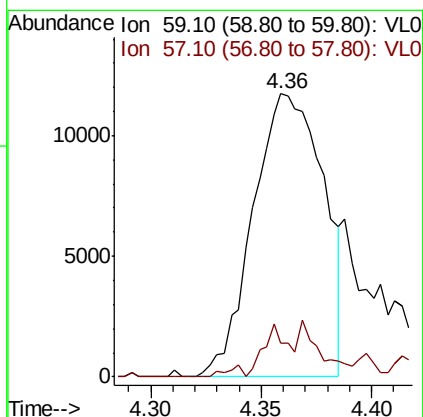
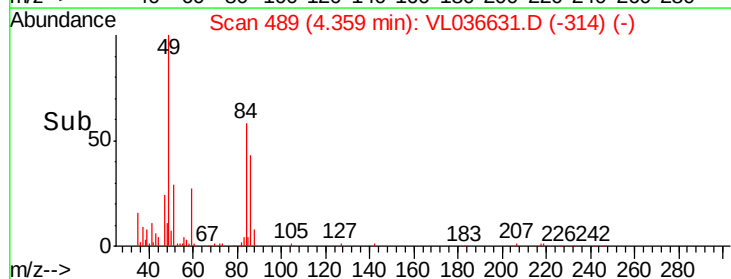
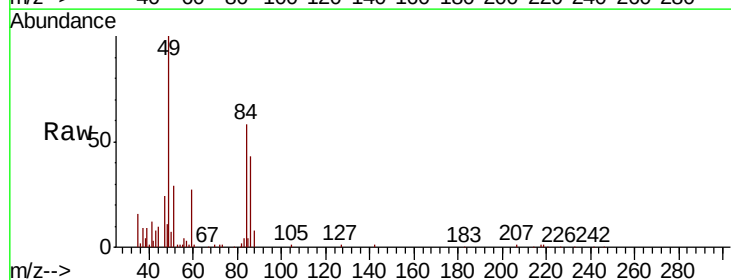
Instrument :
 MSVOA_L
 ClientSampleID :

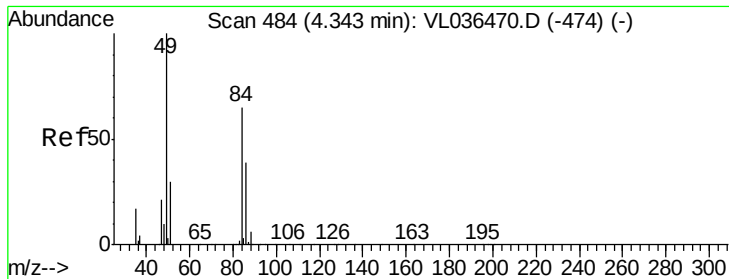
Tot Ion: 39 Resp: 36604
 Ion Ratio Lower Upper
 39 100
 54 10.3 58.8 88.2#



#17
 tert-Butyl alcohol
 Concen: 0.209 ppbv
 RT: 4.36 min Scan# 489
 Delta R.T. 0.06 min
 Lab File: VL036631.D
 Acq: 1 Apr 2021 14:13

Tgt Ion: 59 Resp: 26003
 Ion Ratio Lower Upper
 59 100
 57 13.0 8.6 12.8#

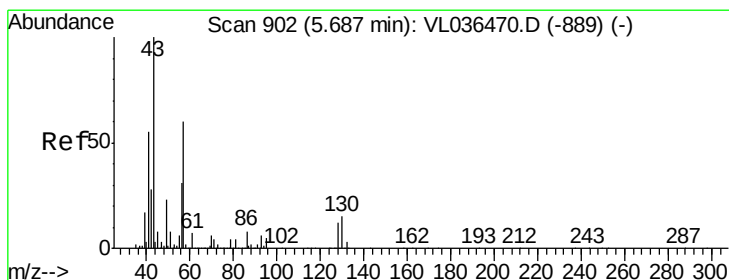
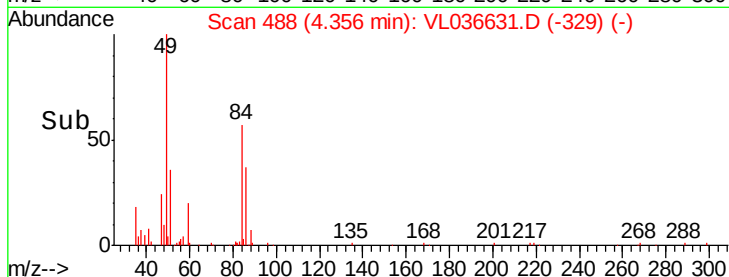
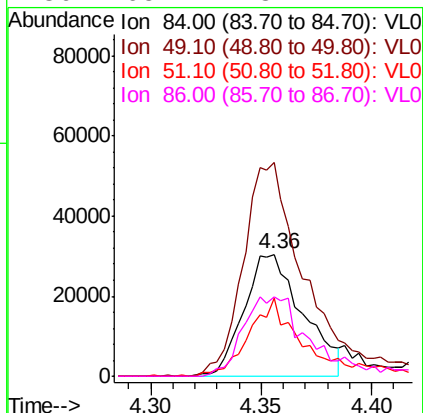
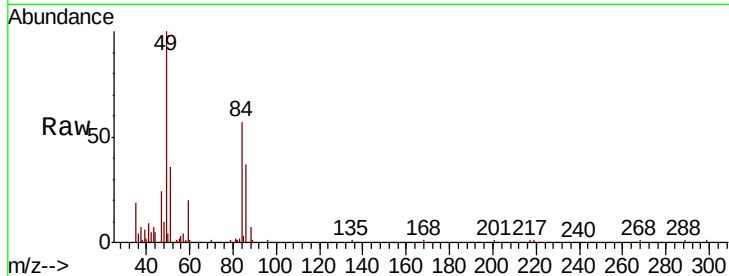




#20
Methylene Chloride
Concen: 0.842 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.01 min
Lab File: VL036631.D
Acq: 1 Apr 2021 14:13

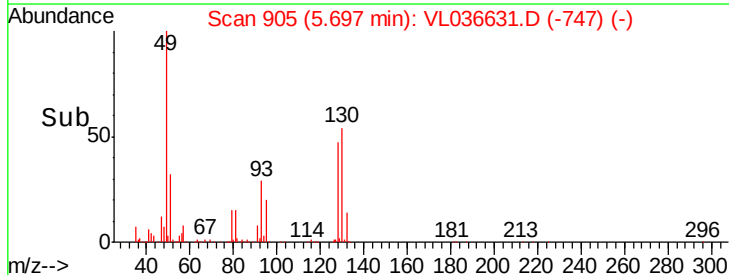
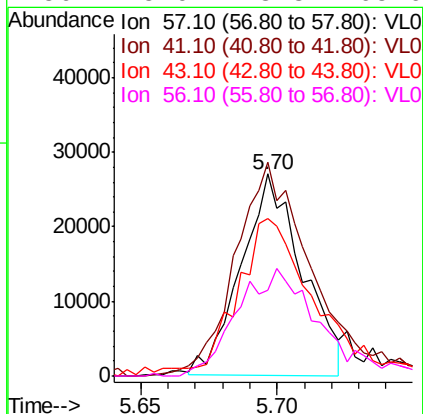
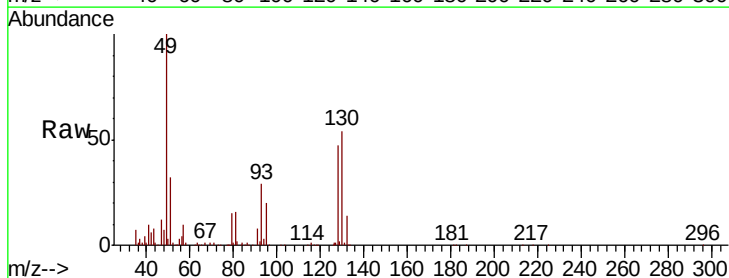
Instrument :
MSVOA_L
ClientSampled :

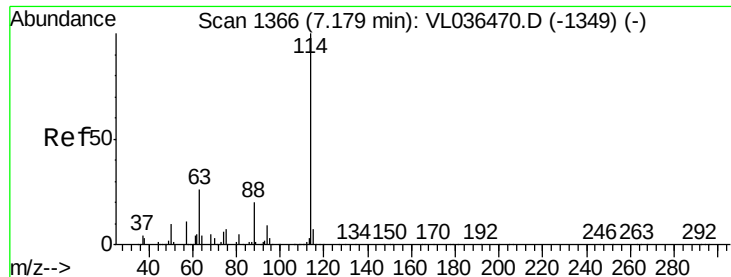
Tot Ion: 84 Resp: 56386
Ion Ratio Lower Upper
84 100
49 175.4 122.9 184.3
51 63.9 36.9 55.3#
86 65.2 48.2 72.4



#26
Hexane
Concen: 0.266 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL036631.D
Acq: 1 Apr 2021 14:13

Tgt Ion: 57 Resp: 41937
Ion Ratio Lower Upper
57 100
41 139.8 77.2 115.8#
43 104.6 173.8 260.6#
56 75.0 43.8 65.6#

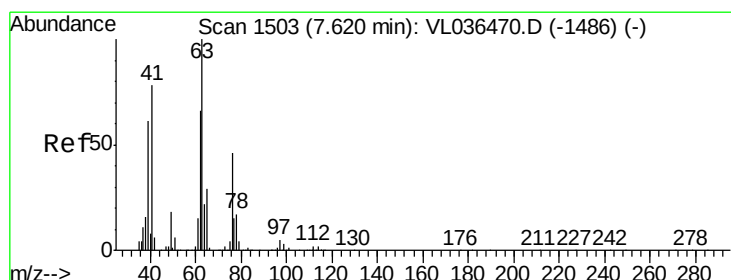
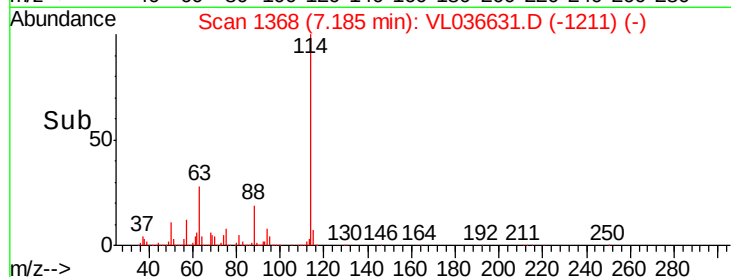
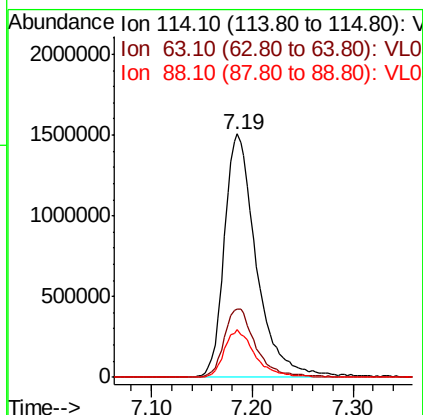
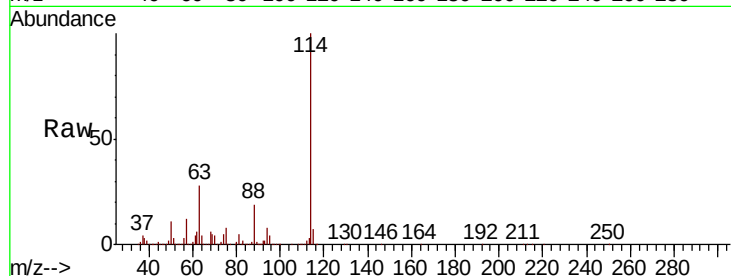




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VL036631.D
 Acq: 1 Apr 2021 14:13

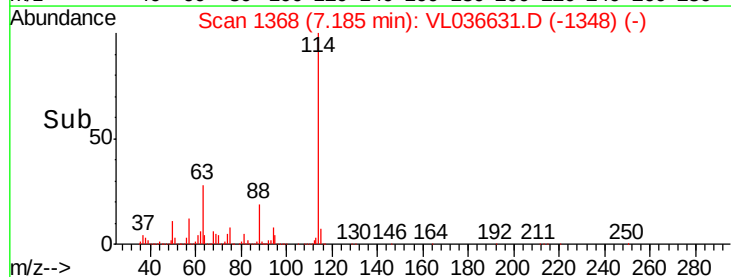
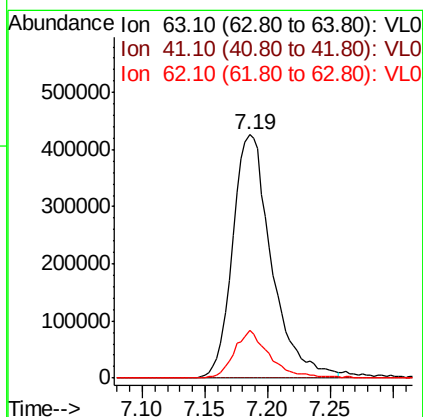
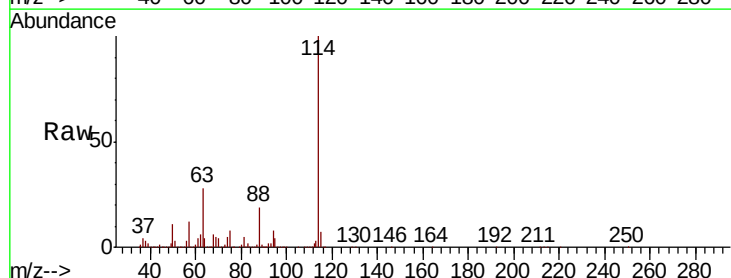
Instrument :
 MSVOA_L
 ClientSampleId :

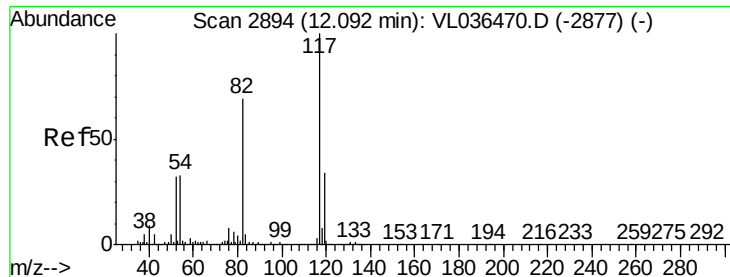
Tot Ion:114 Resp: 3330113
 Ion Ratio Lower Upper
 114 100
 63 28.3 22.4 33.6
 88 19.0 15.4 23.0



#39
 1,2-Dichloropropane
 Concen: 7.391 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.43 min
 Lab File: VL036631.D
 Acq: 1 Apr 2021 14:13

Tgt Ion: 63 Resp: 920797
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.4 93.6#
 62 19.5 52.8 79.2#

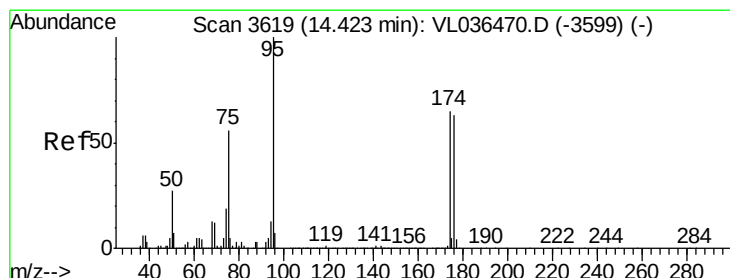
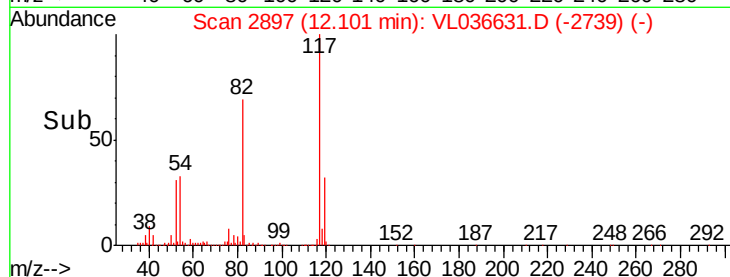
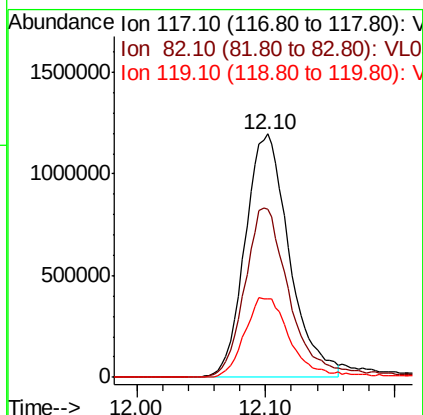
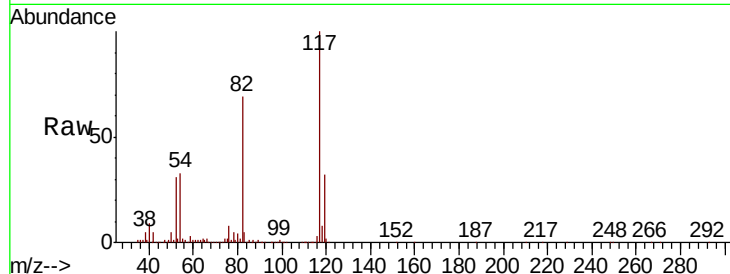




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.01 min
Lab File: VL036631.D
Acq: 1 Apr 2021 14:13

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2859775
Ion Ratio Lower Upper
117 100
82 73.2 57.4 86.0
119 34.7 47.4 71.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.003 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. 0.01 min
Lab File: VL036631.D
Acq: 1 Apr 2021 14:13

Tgt Ion: 95 Resp: 2279898
Ion Ratio Lower Upper
95 100
174 64.9 51.0 76.6
175 4.5 3.9 5.9

