

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040521\
 Data File : VL036690.D
 Acq On : 6 Apr 2021 2:22
 Operator : SY/AP
 Sample : M1877-12 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 06 03:42:15 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	1287205	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3098502	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2784726	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2235717	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

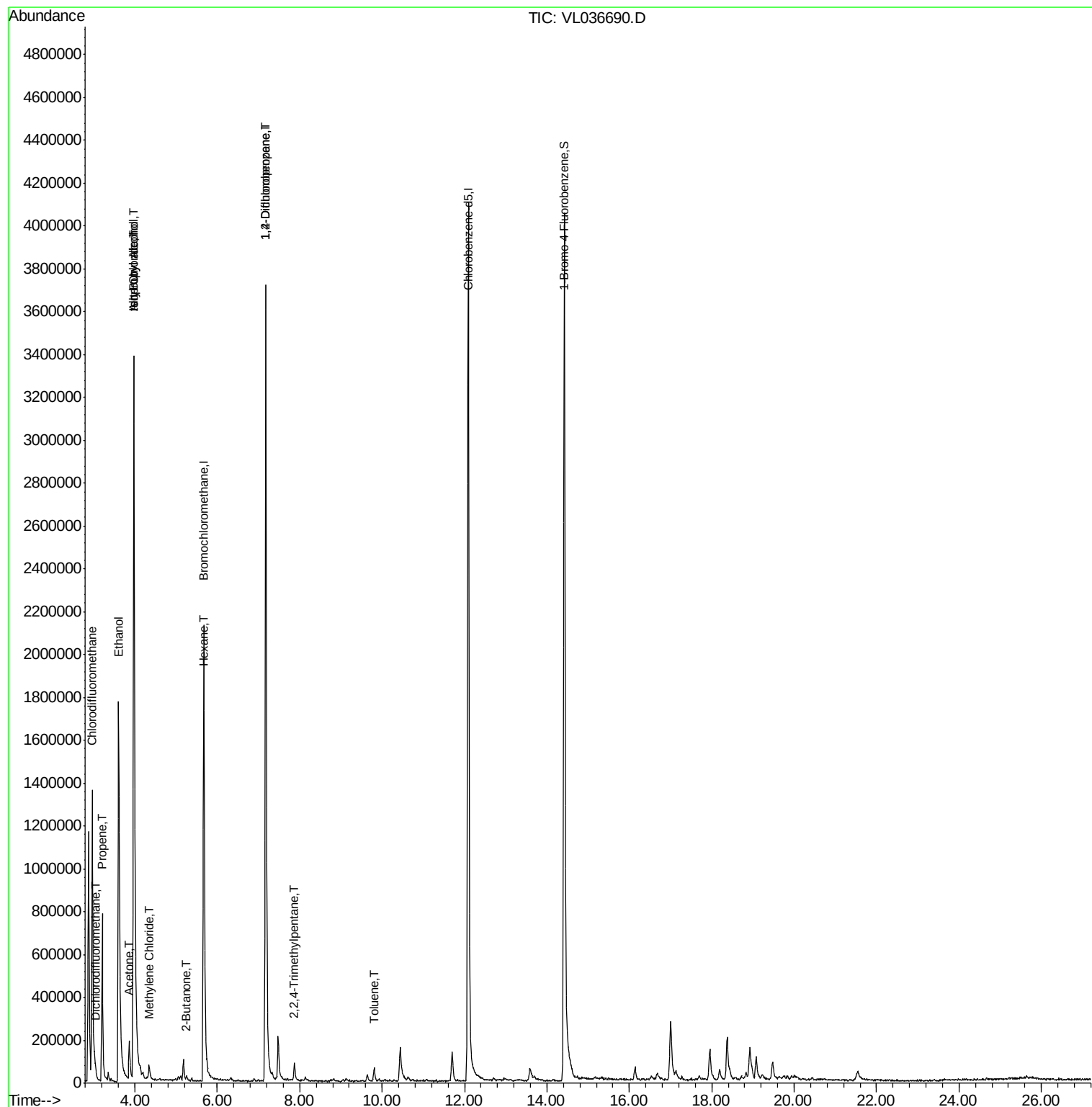
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	26630	0.127	ppbv #	85
3) Chlorodifluoromethane	2.96	51	1100400	4.576	ppbv #	59
9) Propene	3.20	41	283549	3.698	ppbv	96
13) Ethanol	3.60	45	2531761	277.299	ppbv	94
15) Acetone	3.86	43	210689	1.663	ppbv #	89
17) tert-Butyl alcohol	3.97	59	172965	1.568	ppbv	100
19) Isopropyl Alcohol	3.97	45	5099271	73.168	ppbv #	94
20) Methylene Chloride	4.35	84	19743	0.333	ppbv	90
21) Allyl Chloride	3.97	41	486684	4.819	ppbv #	75
26) Hexane	5.69	57	17442	0.125	ppbv #	1
34) 2-Butanone	5.25	43	13116	0.087	ppbv #	1
39) 1,2-Dichloropropane	7.18	63	813176	7.015	ppbv #	23
44) 2,2,4-Trimethylpentane	7.87	57	24502	0.049	ppbv #	1
53) Toluene	9.81	91	11798	0.039	ppbv #	20

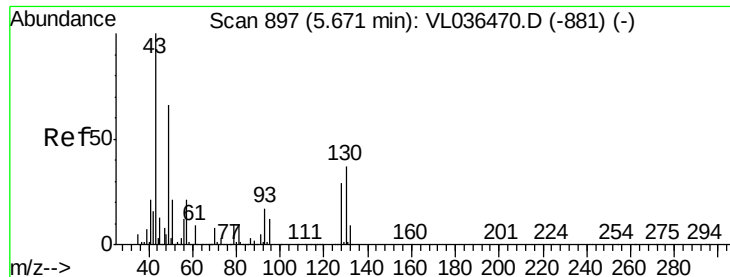
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\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
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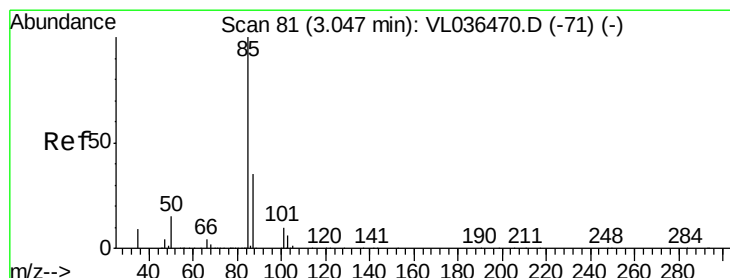
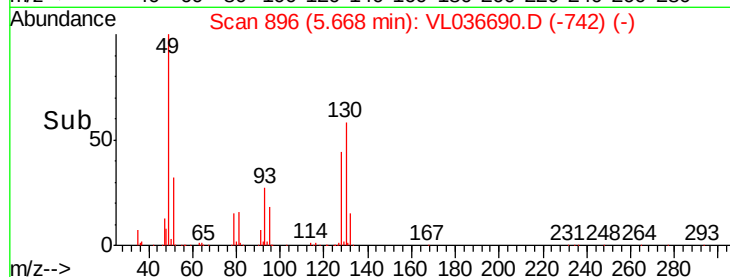
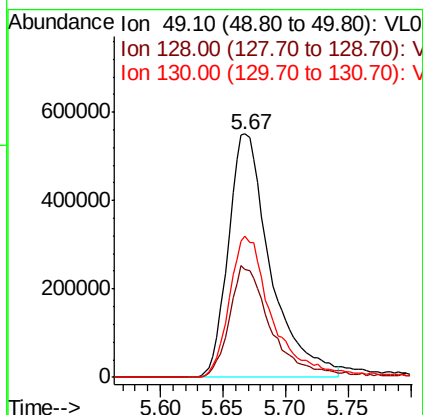
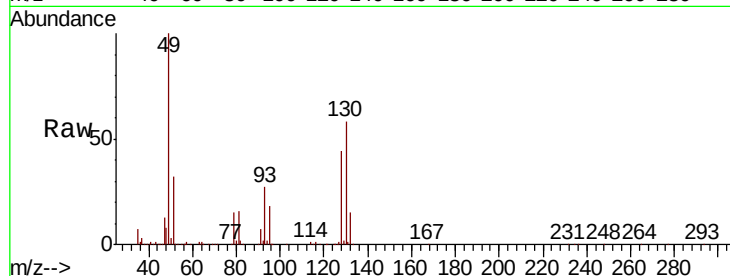




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. -0.00 min
 Lab File: VL036690.D
 Acq: 6 Apr 2021 2:22

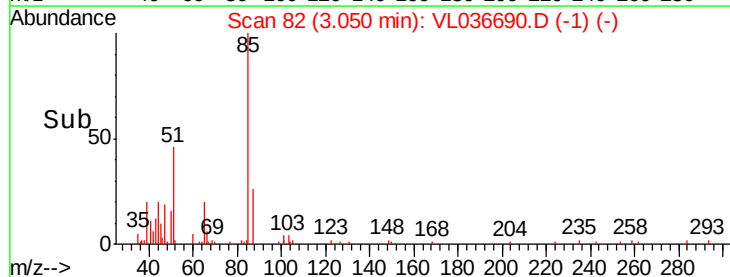
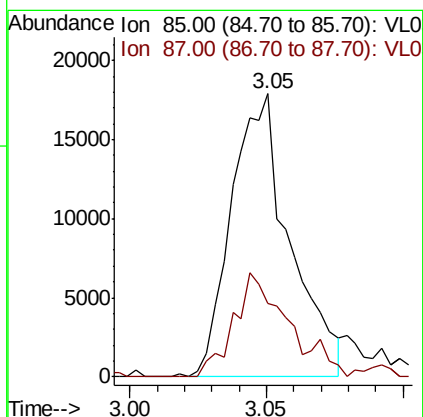
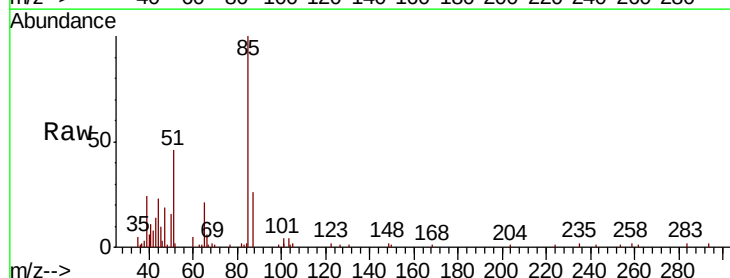
Instrument :
 MSVOA_L
 ClientSampleId :

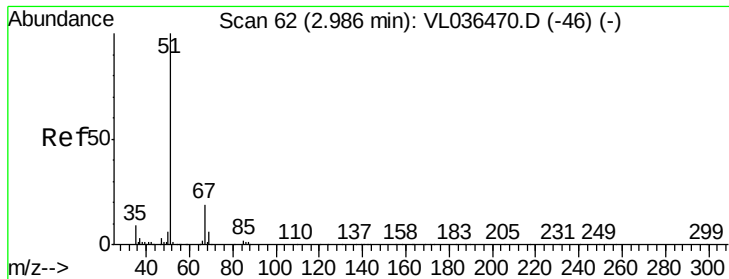
Tot Ion: 49 Resp: 1287205
 Ion Ratio Lower Upper
 49 100
 128 46.9 23.5 70.6
 130 61.2 29.1 87.4



#2
 Dichlorodifluoromethane
 Concen: 0.127 ppbv
 RT: 3.05 min Scan# 82
 Delta R.T. 0.00 min
 Lab File: VL036690.D
 Acq: 6 Apr 2021 2:22

Tgt Ion: 85 Resp: 26630
 Ion Ratio Lower Upper
 85 100
 87 25.9 27.8 41.8#





#3

Chlorodifluoromethane

Concen: 4.576 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.02 min

Lab File: VL036690.D

Acq: 6 Apr 2021 2:22

Instrument :

MSVOA_L

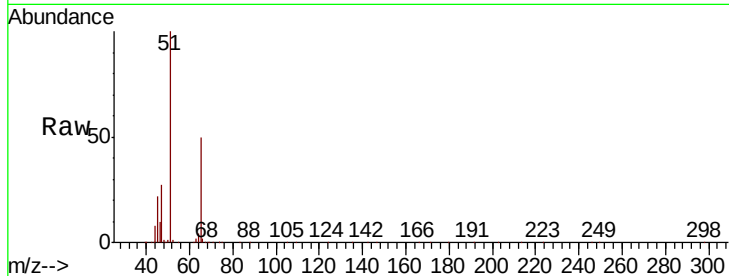
ClientSampleId :

Tot Ion: 51 Resp: 1100400

Ion Ratio Lower Upper

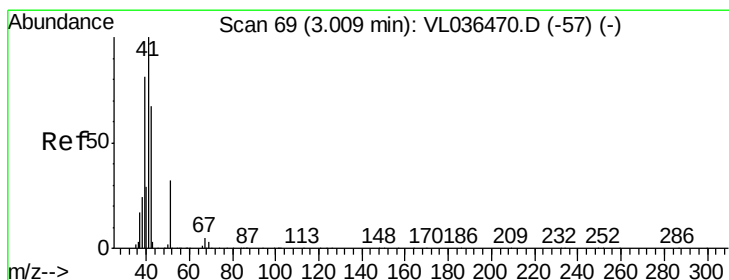
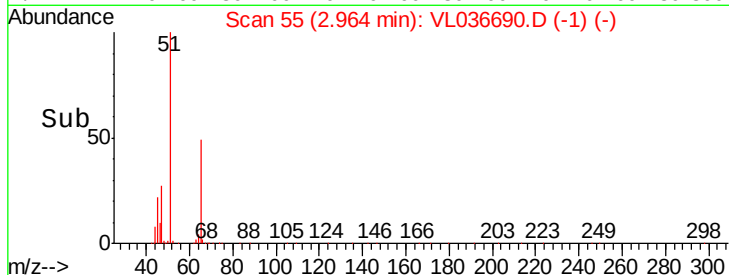
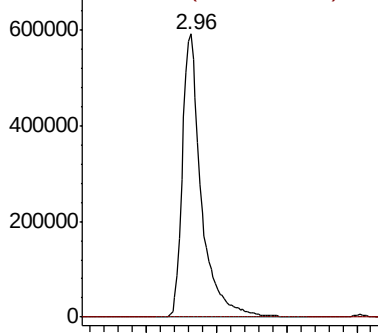
51 100

67 0.2 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 3.698 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.19 min

Lab File: VL036690.D

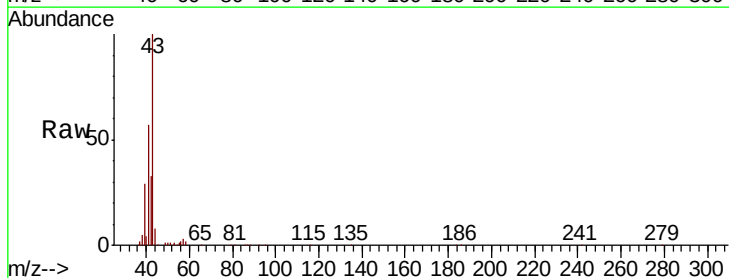
Acq: 6 Apr 2021 2:22

Tgt Ion: 41 Resp: 283549

Ion Ratio Lower Upper

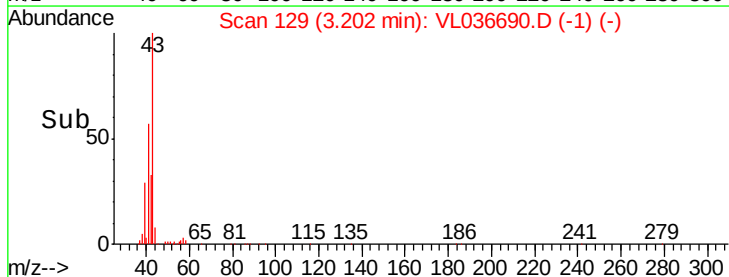
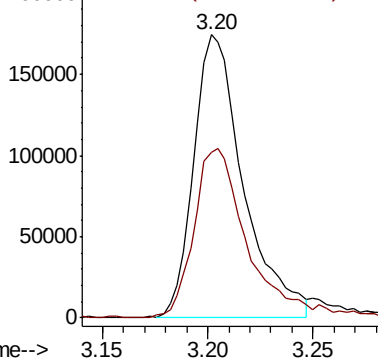
41 100

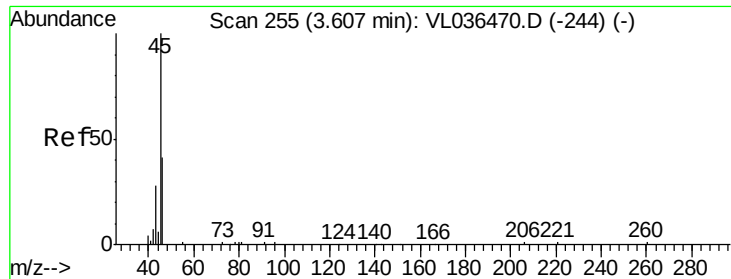
42 67.5 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

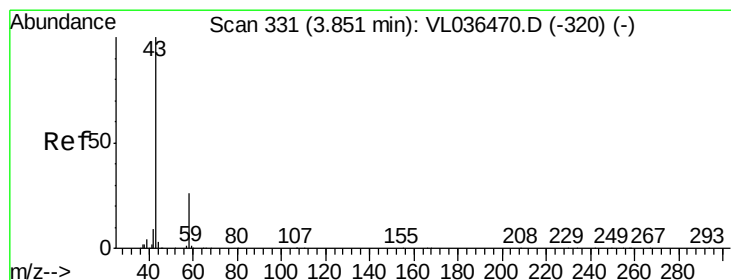
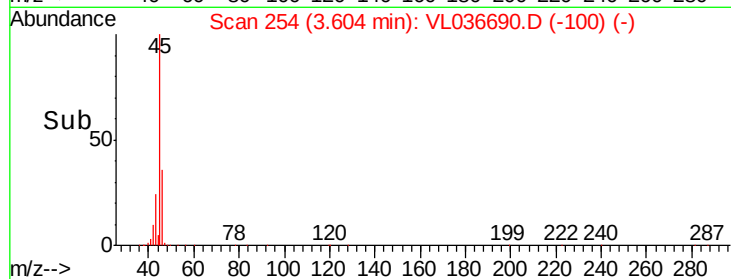
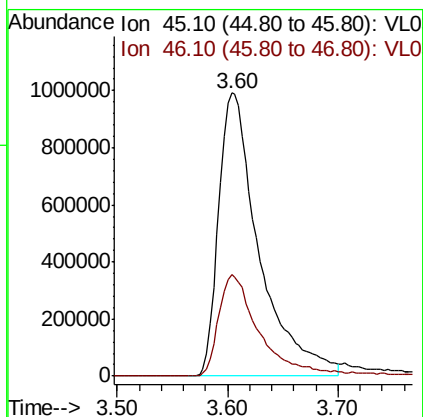
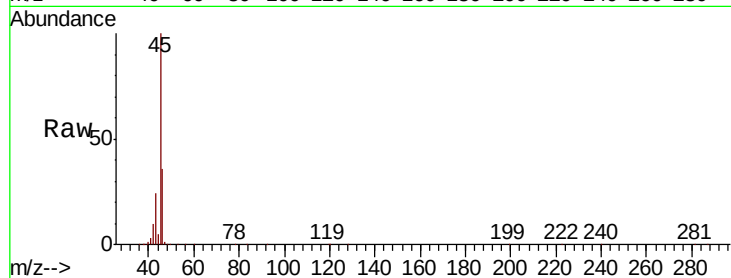




#13
Ethanol
Concen: 277.299 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.00 min
Lab File: VL036690.D
Acq: 6 Apr 2021 2:22

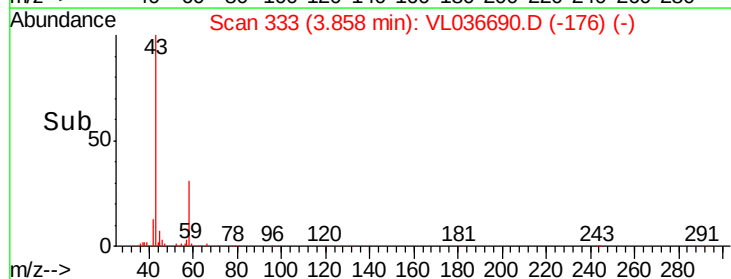
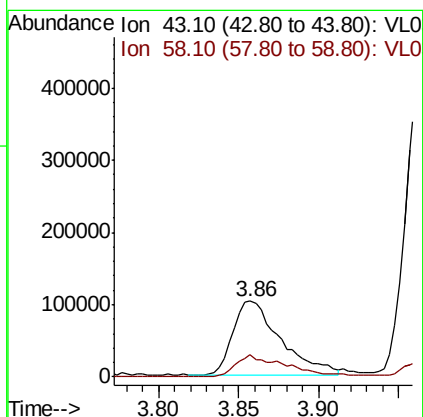
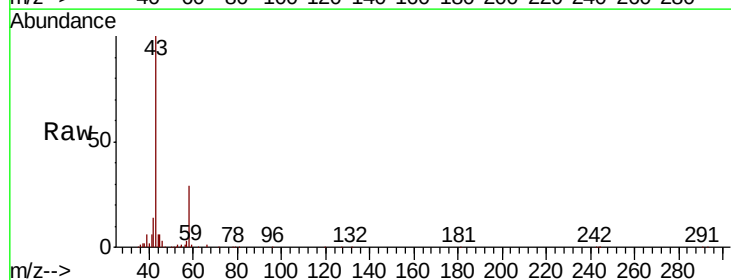
Instrument :
MSVOA_L
ClientSampleId :

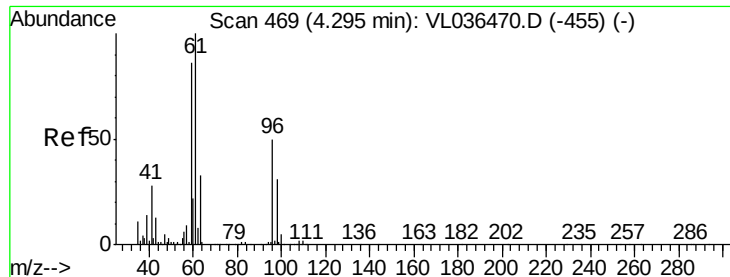
Tot Ion: 45 Resp: 2531761
Ion Ratio Lower Upper
45 100
46 37.7 16.6 66.2



#15
Acetone
Concen: 1.663 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL036690.D
Acq: 6 Apr 2021 2:22

Tgt Ion: 43 Resp: 210689
Ion Ratio Lower Upper
43 100
58 32.3 21.2 31.8#





#17

tert-Butyl alcohol

Concen: 1.568 ppbv

RT: 3.97 min Scan# 369

Delta R.T. -0.32 min

Lab File: VL036690.D

Acq: 6 Apr 2021 2:22

Instrument :

MSVOA_L

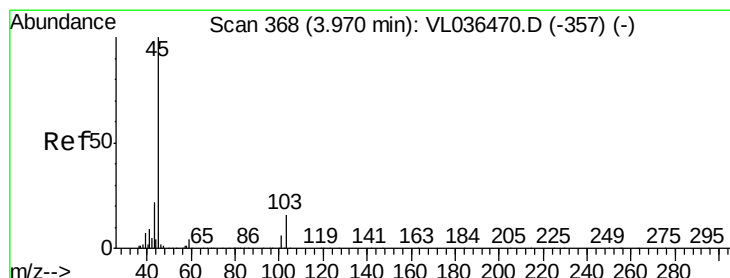
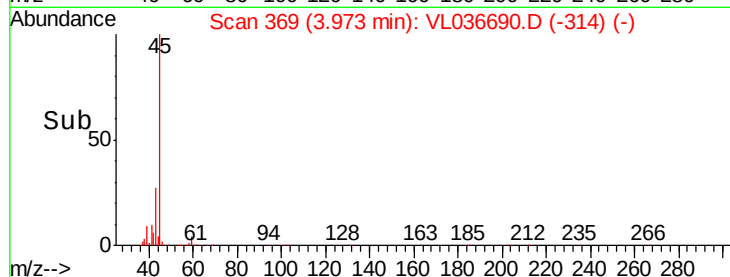
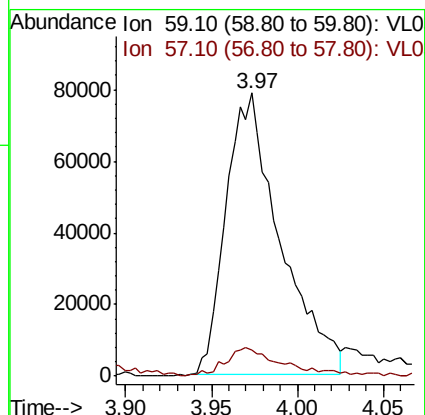
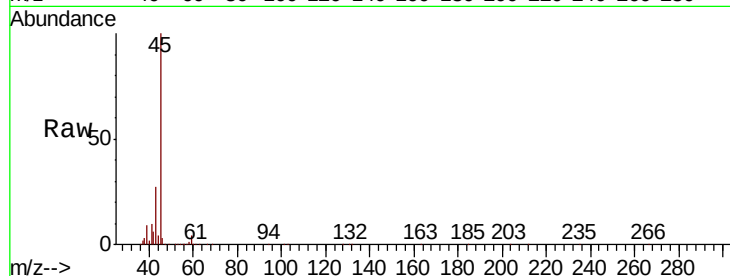
ClientSampleId :

Tot Ion: 59 Resp: 172965

Ion Ratio Lower Upper

59 100

57 10.7 8.6 12.8



#19

Isopropyl Alcohol

Concen: 73.168 ppbv

RT: 3.97 min Scan# 368

Delta R.T. -0.00 min

Lab File: VL036690.D

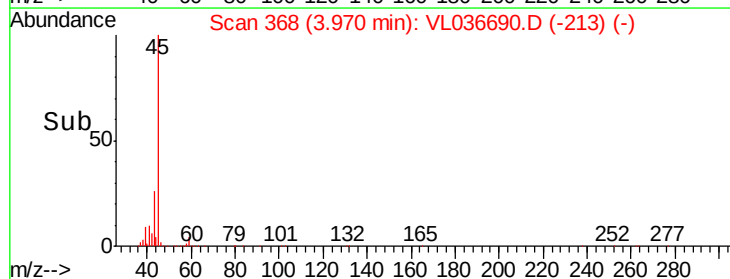
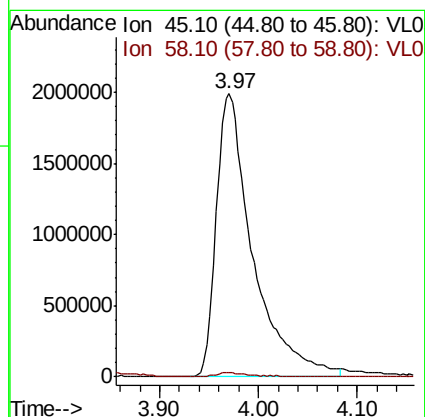
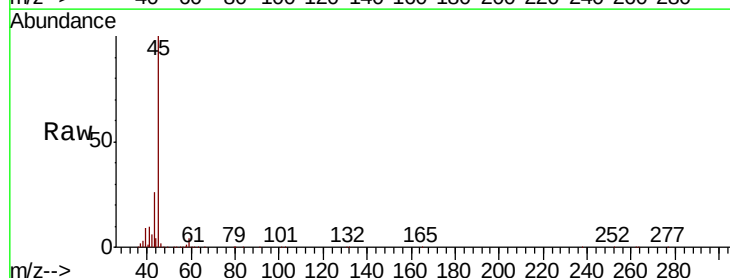
Acq: 6 Apr 2021 2:22

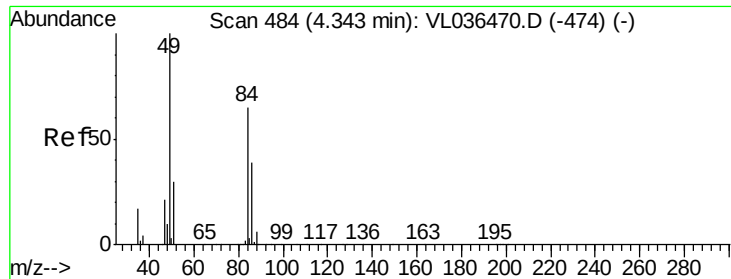
Tgt Ion: 45 Resp: 5099271

Ion Ratio Lower Upper

45 100

58 1.6 2.9 4.3#

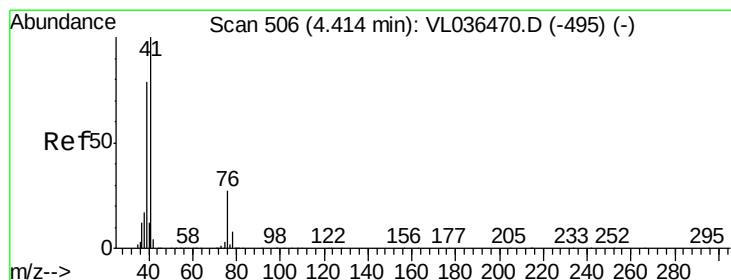
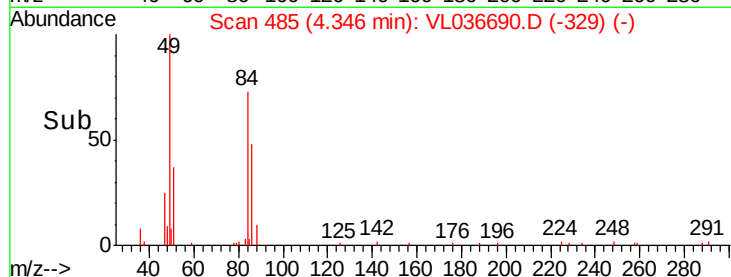
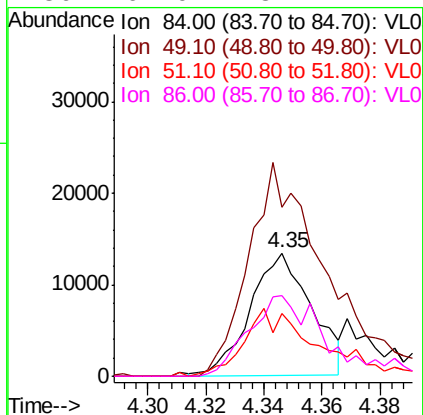
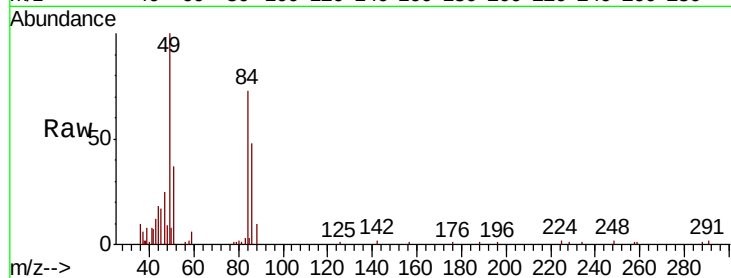




#20
Methylene Chloride
Concen: 0.333 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.00 min
Lab File: VL036690.D
Acq: 6 Apr 2021 2:22

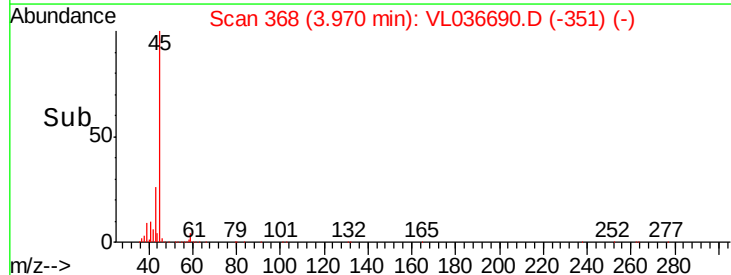
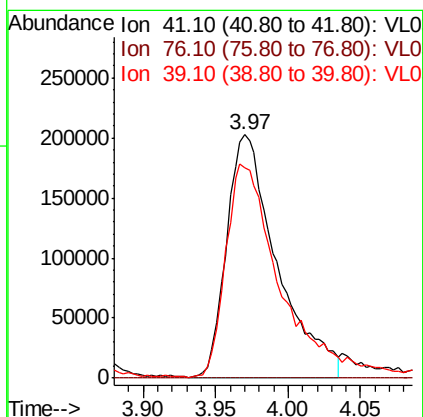
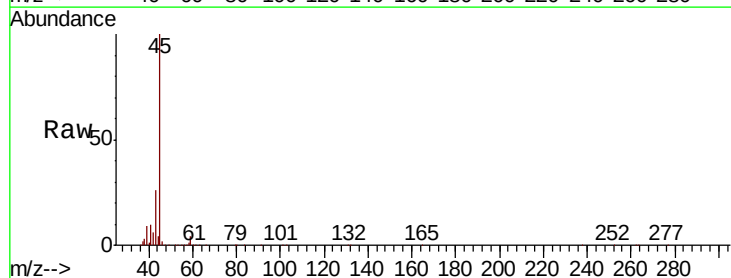
Instrument :
MSVOA_L
ClientSampleId :

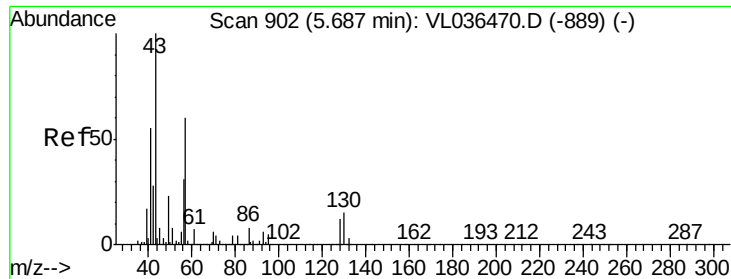
Tot Ion:	84	Resp:	19743
Ion	Ratio	Lower	Upper
84	100		
49	140.0	122.9	184.3
51	52.0	36.9	55.3
86	67.0	48.2	72.4



#21
Allyl Chloride
Concen: 4.819 ppbv
RT: 3.97 min Scan# 368
Delta R.T. -0.44 min
Lab File: VL036690.D
Acq: 6 Apr 2021 2:22

Tgt Ion:	41	Resp:	486684
Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.9	34.3#
39	98.4	67.3	100.9

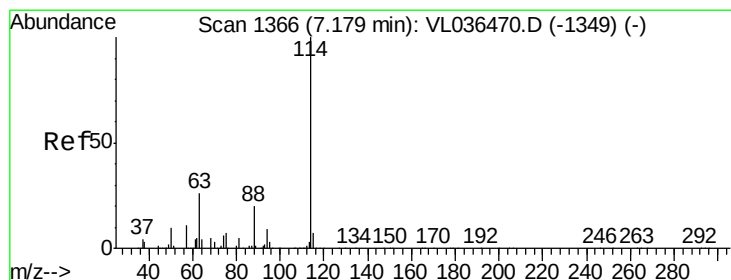
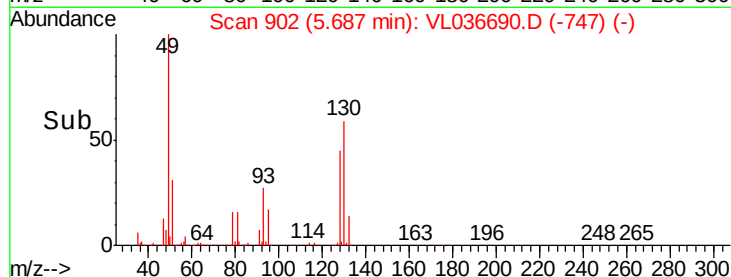
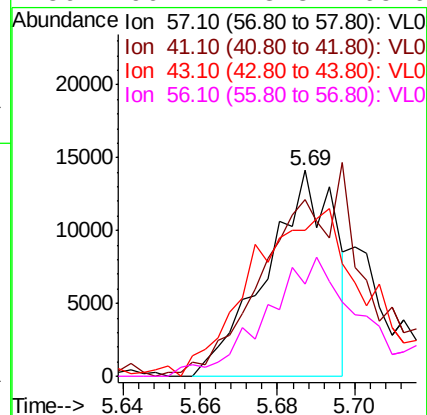
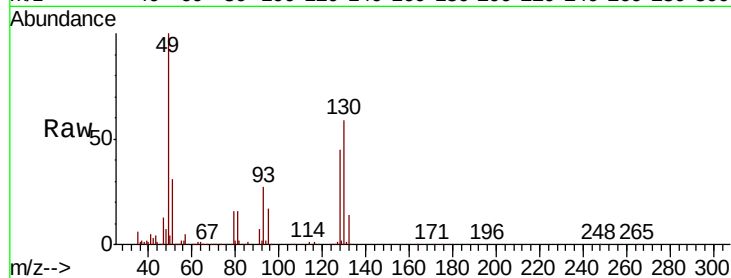




#26
Hexane
Concen: 0.125 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL036690.D
Acq: 6 Apr 2021 2:22

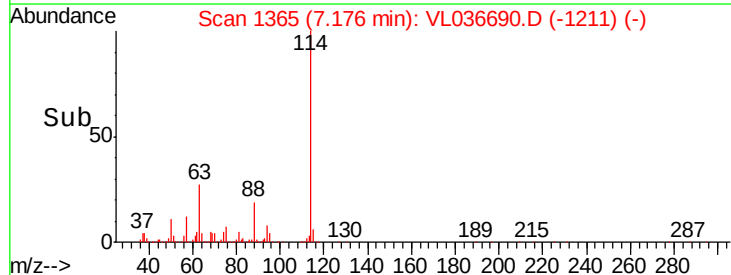
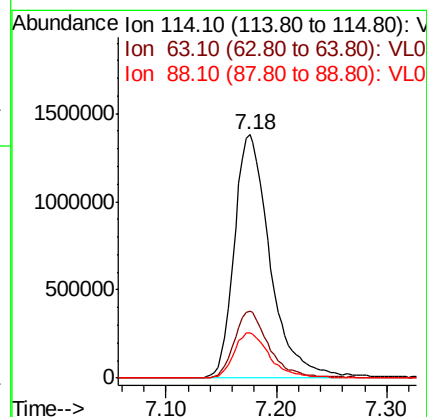
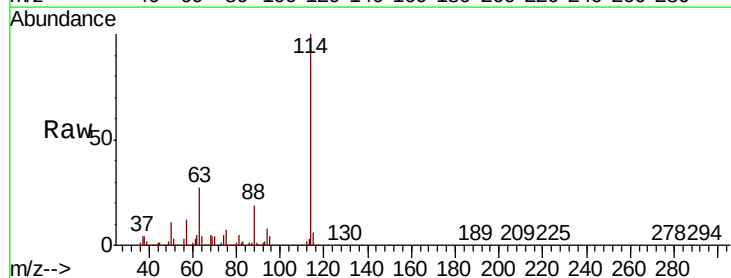
Instrument :
MSVOA_L
ClientSampleId :

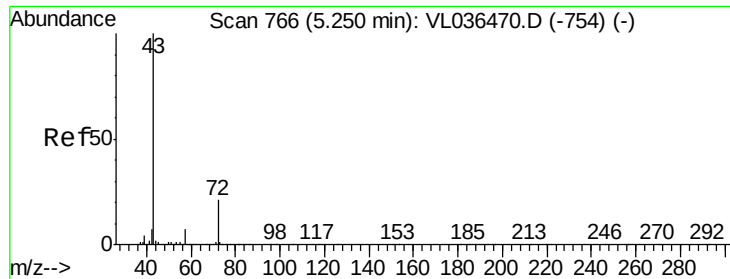
Tot Ion: 57 Resp: 17442
Ion Ratio Lower Upper
57 100
41 0.0 77.2 115.8#
43 0.0 173.8 260.6#
56 90.7 43.8 65.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL036690.D
Acq: 6 Apr 2021 2:22

Tgt Ion:114 Resp: 3098502
Ion Ratio Lower Upper
114 100
63 27.3 22.4 33.6
88 19.0 15.4 23.0

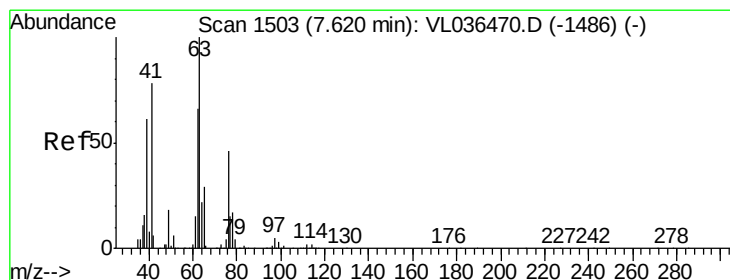
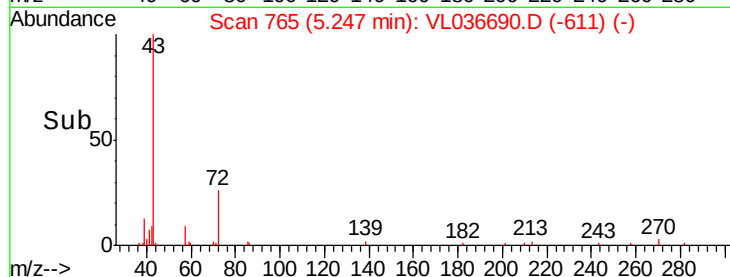
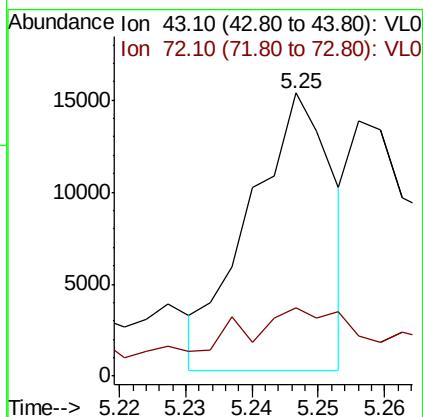
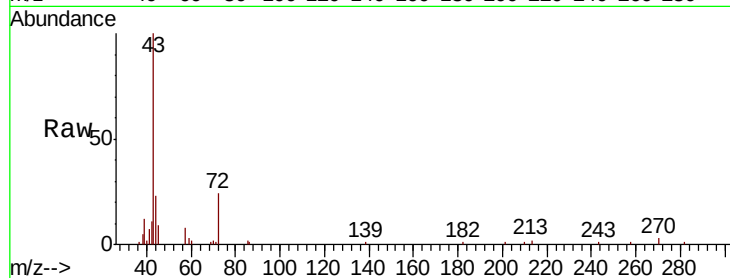




#34
 2-Butanone
 Concen: 0.087 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VL036690.D
 Acq: 6 Apr 2021 2:22

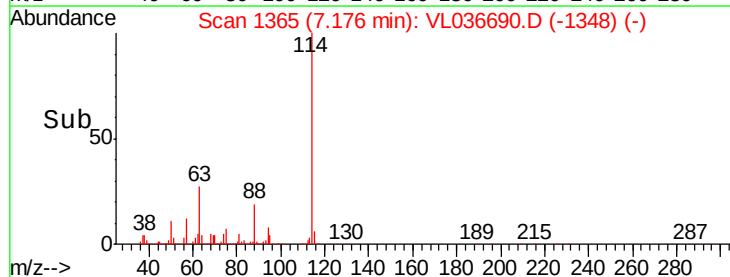
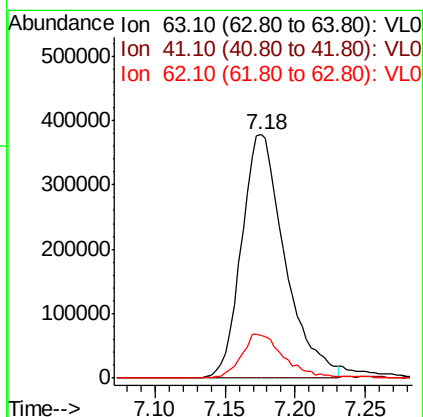
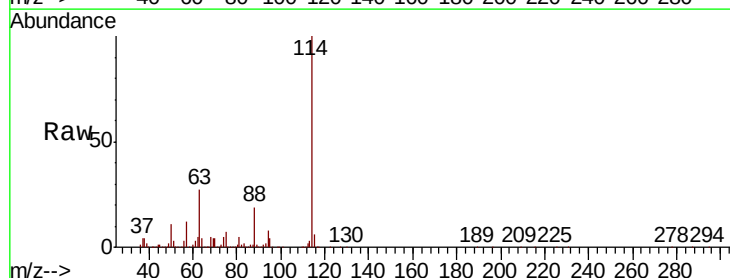
Instrument :
 MSVOA_L
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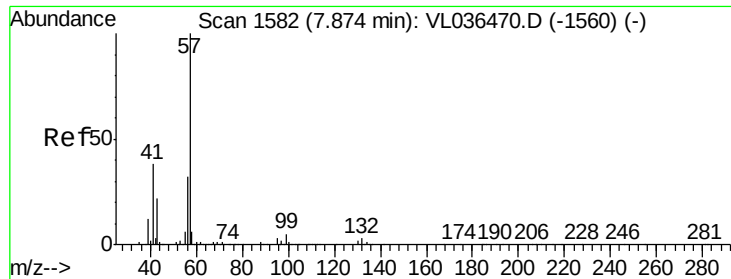
Tot Ion: 43 Resp: 13116
 Ion Ratio Lower Upper
 43 100
 72 70.5 17.0 25.6#



#39
 1,2-Dichloropropane
 Concen: 7.015 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.44 min
 Lab File: VL036690.D
 Acq: 6 Apr 2021 2:22

Tgt Ion: 63 Resp: 813176
 Ion Ratio Lower Upper
 63 100
 41 0.1 62.4 93.6#
 62 17.4 52.8 79.2#

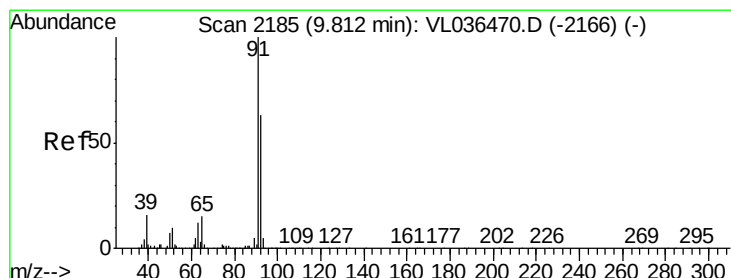
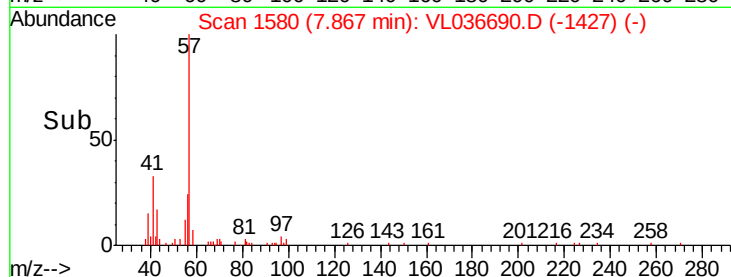
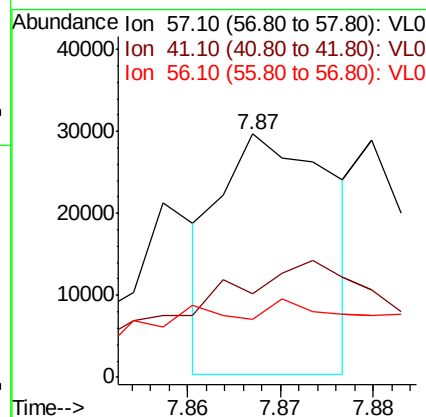
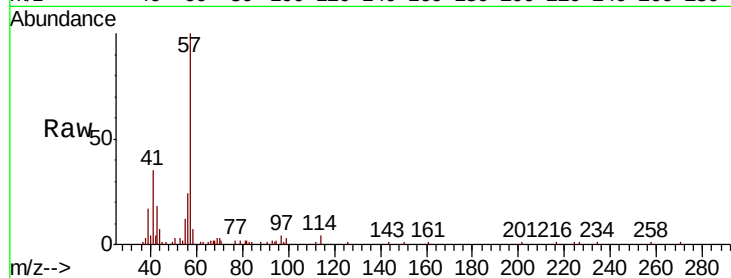




#44
 2,2,4-Trimethylpentane
 Concen: 0.049 ppbv
 RT: 7.87 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: VL036690.D
 Acq: 6 Apr 2021 2:22

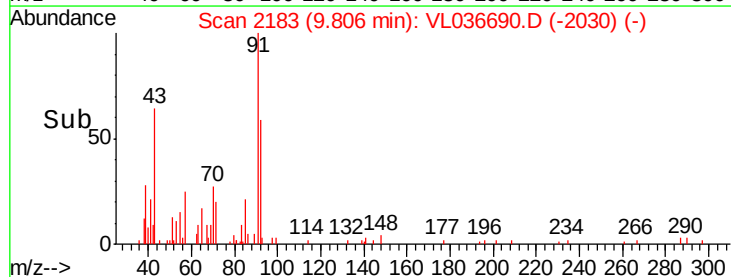
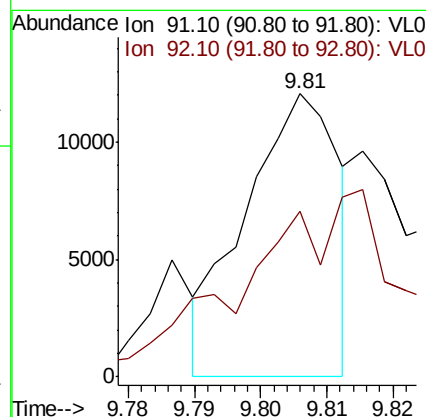
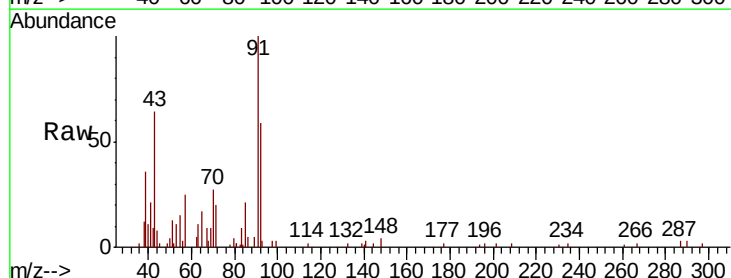
Instrument :
 MSVOA_L
 ClientSampleId :

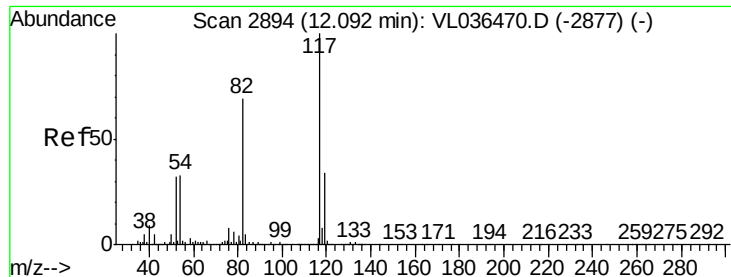
Tot Ion: 57 Resp: 24502
 Ion Ratio Lower Upper
 57 100
 41 127.7 28.8 43.2#
 56 99.2 26.1 39.1#



#53
 Toluene
 Concen: 0.039 ppbv
 RT: 9.81 min Scan# 2183
 Delta R.T. -0.01 min
 Lab File: VL036690.D
 Acq: 6 Apr 2021 2:22

Tgt Ion: 91 Resp: 11798
 Ion Ratio Lower Upper
 91 100
 92 0.0 48.8 73.2#

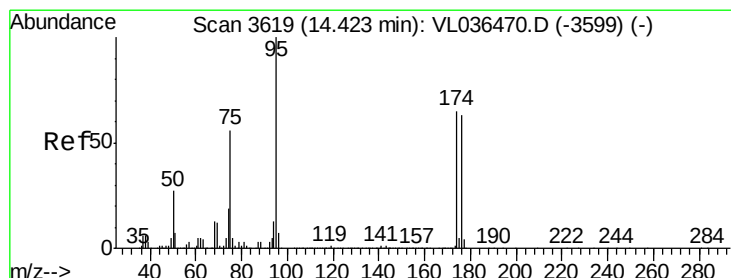
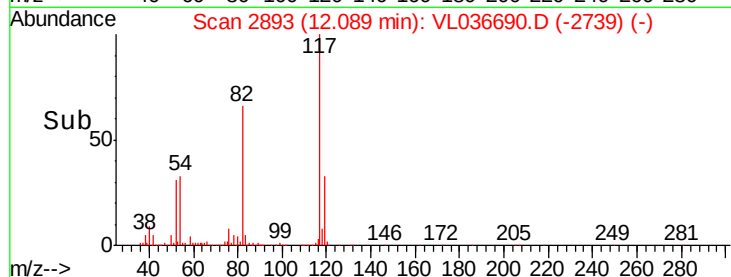
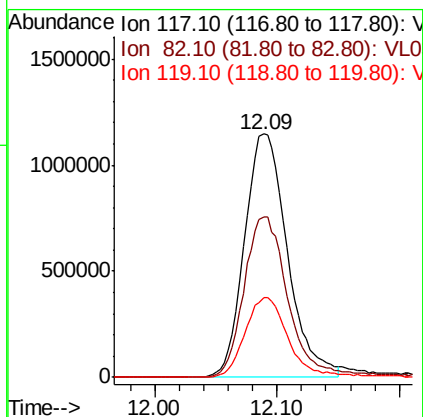
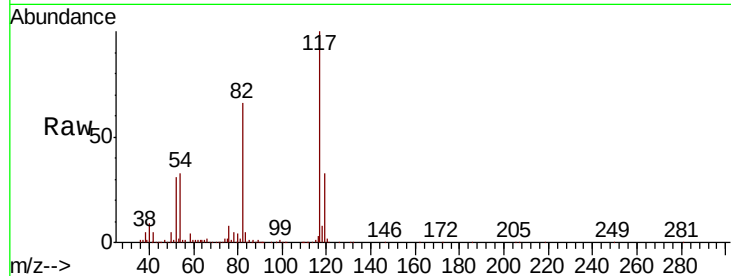




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL036690.D
Acq: 6 Apr 2021 2:22

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:117 Resp: 2784726
Ion Ratio Lower Upper
117 100
82 69.2 57.4 86.0
119 33.9 47.4 71.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.073 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL036690.D
Acq: 6 Apr 2021 2:22

Tgt Ion: 95 Resp: 2235717
Ion Ratio Lower Upper
95 100
174 65.9 51.0 76.6
175 4.8 3.9 5.9

