

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036657.D
 Acq On : 2 Apr 2021 22:57
 Operator : SY/AP
 Sample : M1853-02 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 03 02:59:18 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	5.64	49	1277002	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3389485	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3036137	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2387313	9.87	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

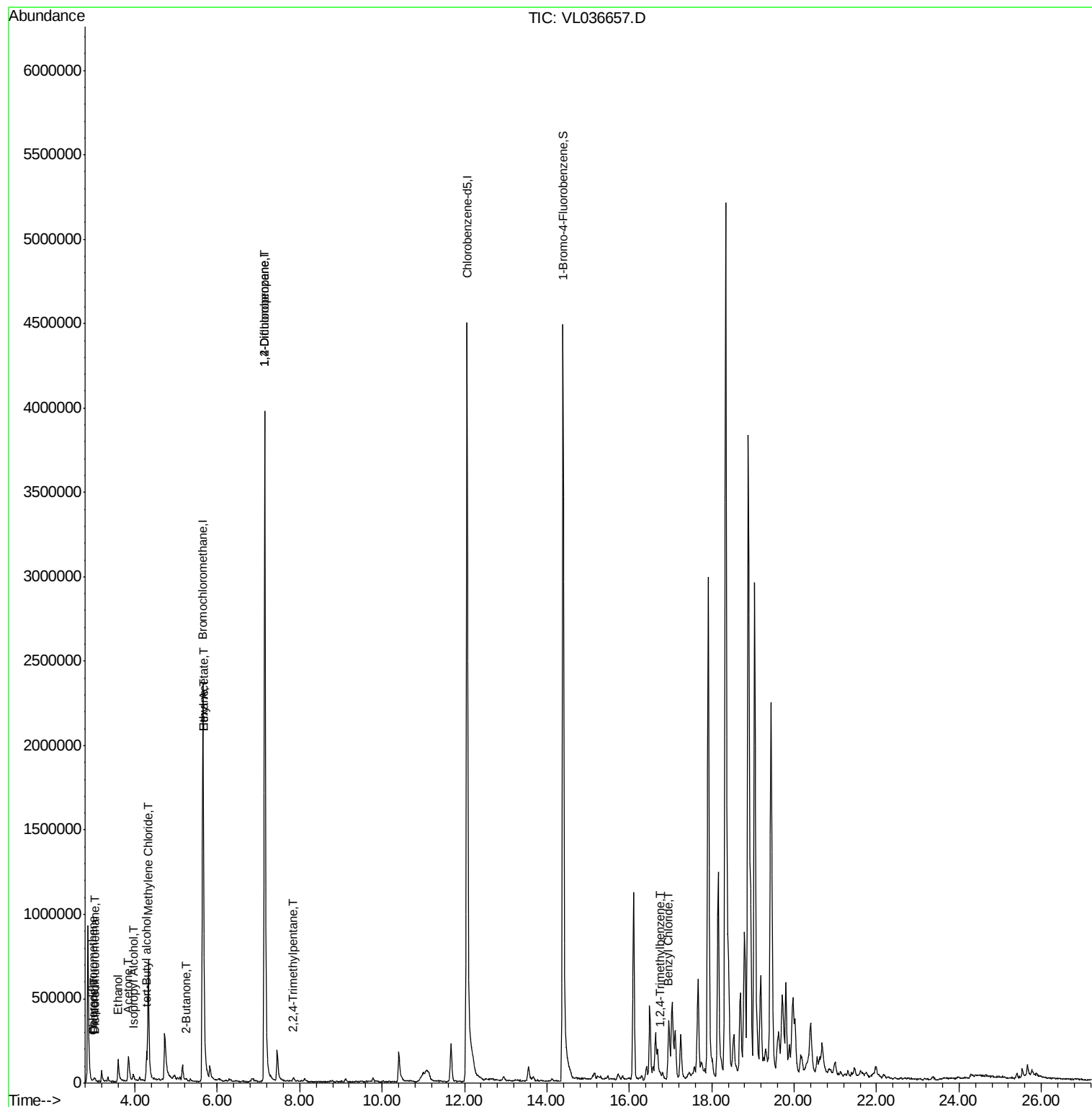
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	10008	0.048	ppbv	90
3) Chlorodifluoromethane	2.97	51	15082	0.063	ppbv	92
9) Propene	2.99	41	1970	0.026	ppbv #	14
13) Ethanol	3.59	45	146234	16.145	ppbv	99
15) Acetone	3.84	43	191332	1.522	ppbv #	79
17) tert-Butyl alcohol	4.29	59	186488	1.704	ppbv #	93
19) Isopropyl Alcohol	3.96	45	34942	0.505	ppbv #	86
20) Methylene Chloride	4.32	84	257489	4.376	ppbv	94
25) Ethyl Acetate	5.67	43	155716	0.521	ppbv #	78
26) Hexane	5.67	57	209755	1.513	ppbv #	46
34) 2-Butanone	5.23	43	6361	0.038	ppbv #	1
39) 1,2-Dichloropropane	7.15	63	880384	6.943	ppbv #	24
44) 2,2,4-Trimethylpentane	7.84	57	14684	0.027	ppbv #	58
66) Benzyl Chloride	16.94	91	1221	0.025	ppbv #	1
74) 1,2,4-Trimethylbenzene	16.73	105	9025	0.022	ppbv #	40

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040221\
Data File : VL036657.D
Acq On : 2 Apr 2021 22:57
Operator : SY/AP
Sample : M1853-02 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Apr 03 02:59:18 2021
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
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.03 min

Lab File: VL036657.D

Acq: 2 Apr 2021 22:57

Instrument :

MSVOA_L

ClientSampled :

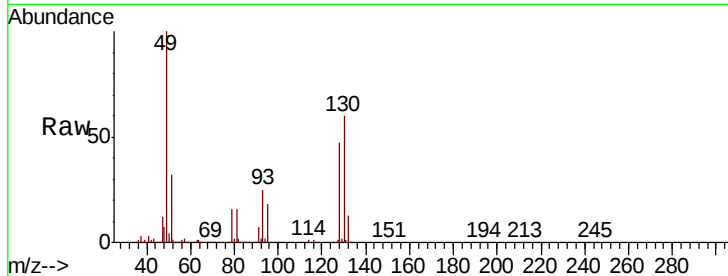
Tot Ion: 49 Resp: 1277002

Ion Ratio Lower Upper

49 100

128 50.0 23.5 70.6

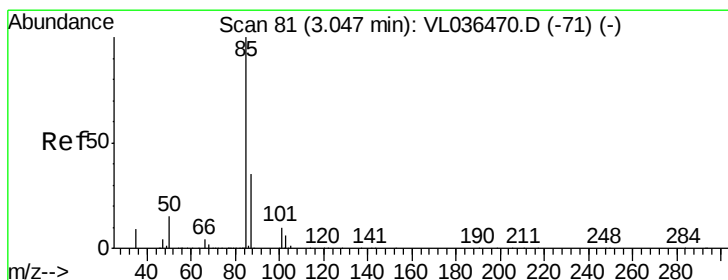
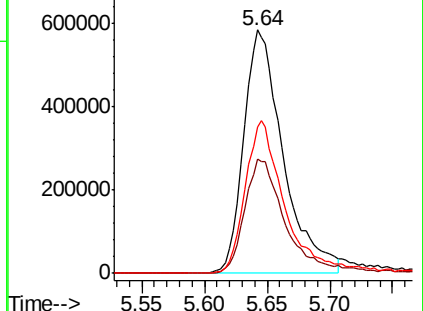
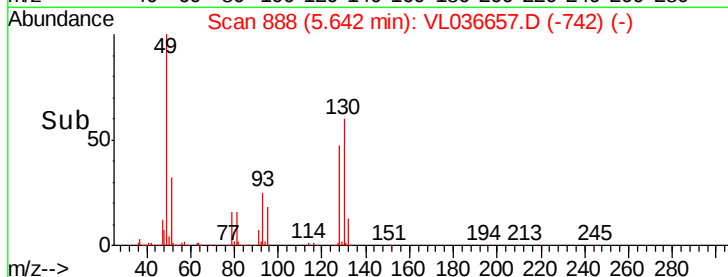
130 64.4 29.1 87.4



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



#2

Dichlorodifluoromethane

Concen: 0.048 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL036657.D

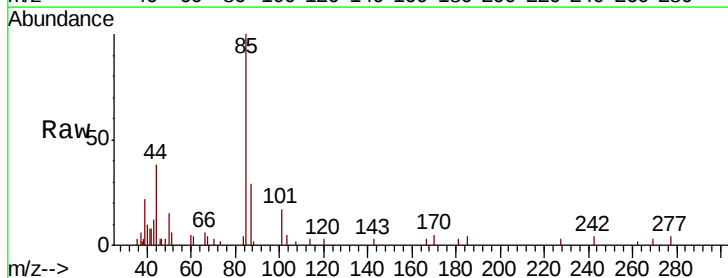
Acq: 2 Apr 2021 22:57

Tgt Ion: 85 Resp: 10008

Ion Ratio Lower Upper

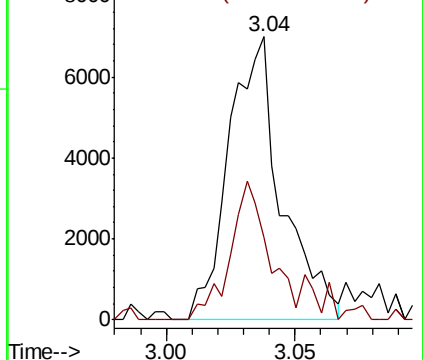
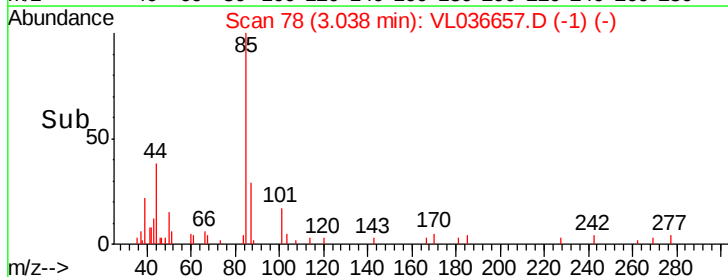
85 100

87 29.1 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.063 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.02 min

Lab File: VL036657.D

Acq: 2 Apr 2021 22:57

Instrument :

MSVOA_L

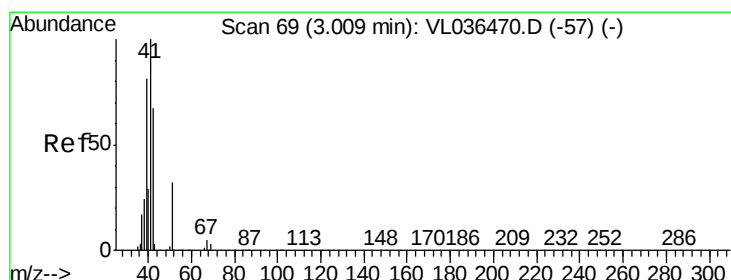
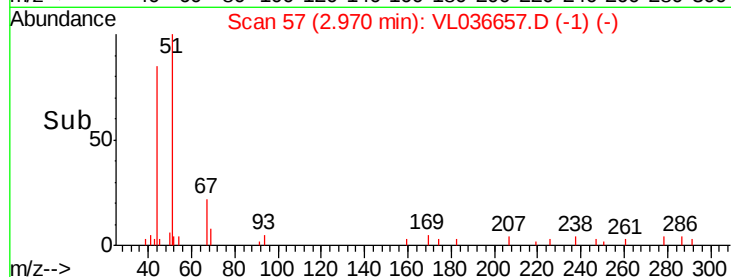
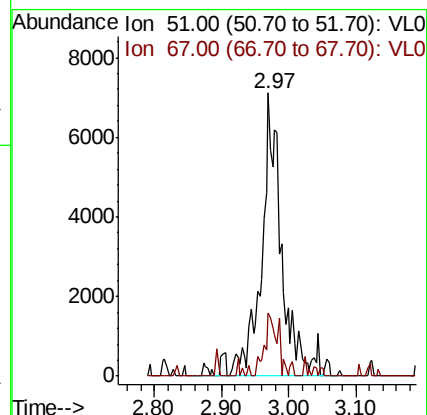
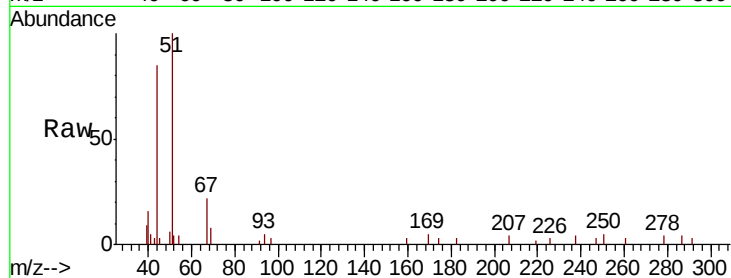
ClientSampleId :

Tot Ion: 51 Resp: 15082

Ion Ratio Lower Upper

51 100

67 14.7 14.7 22.1



#9

Propene

Concen: 0.026 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.02 min

Lab File: VL036657.D

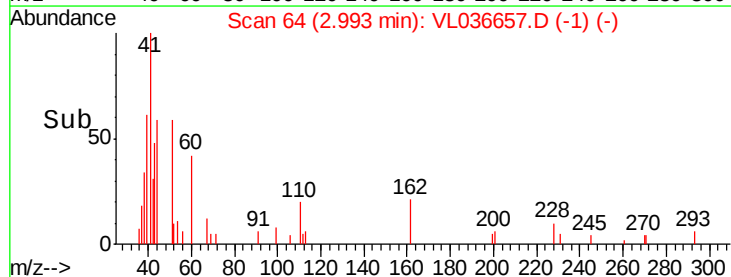
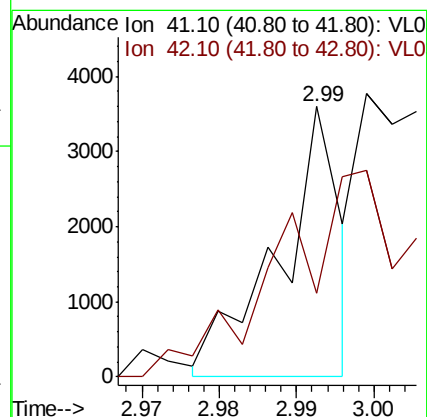
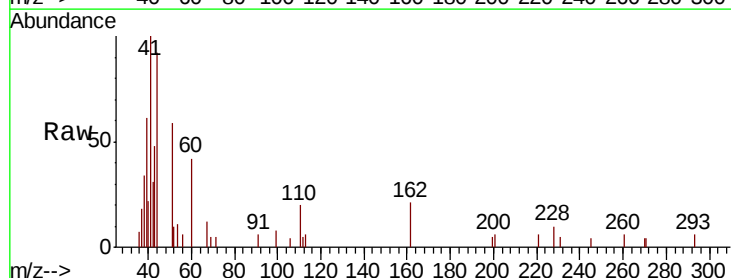
Acq: 2 Apr 2021 22:57

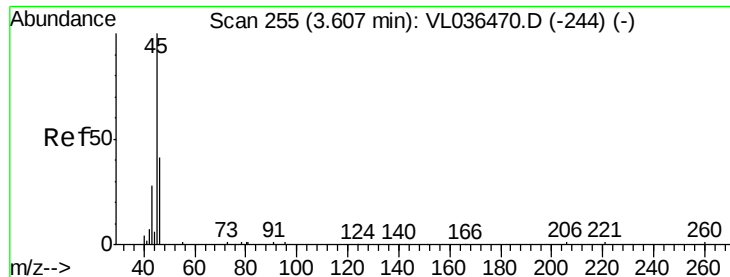
Tgt Ion: 41 Resp: 1970

Ion Ratio Lower Upper

41 100

42 0.0 57.0 85.4#

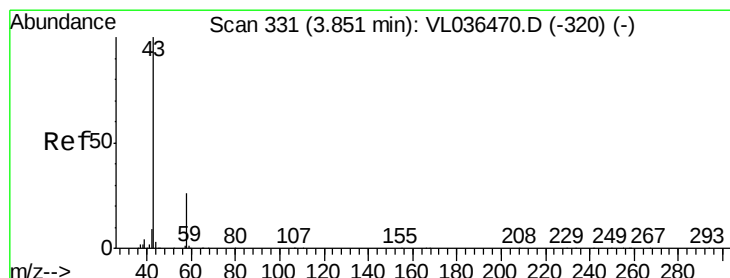
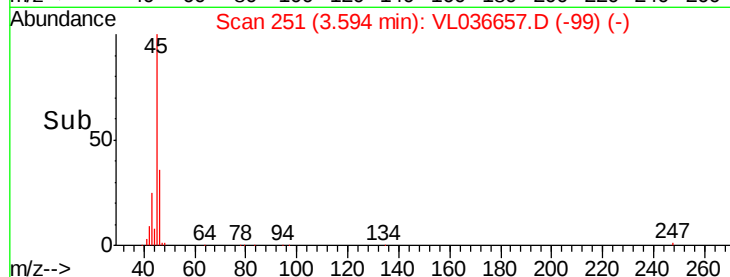
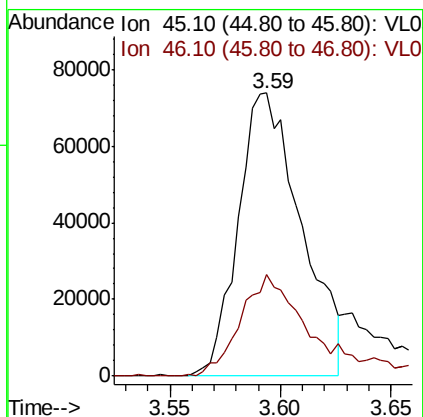
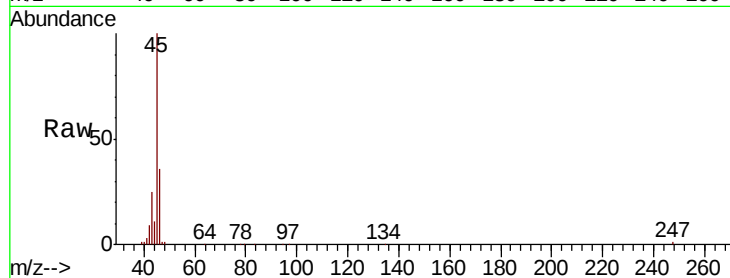




#13
Ethanol
Concen: 16.145 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL036657.D
Acq: 2 Apr 2021 22:57

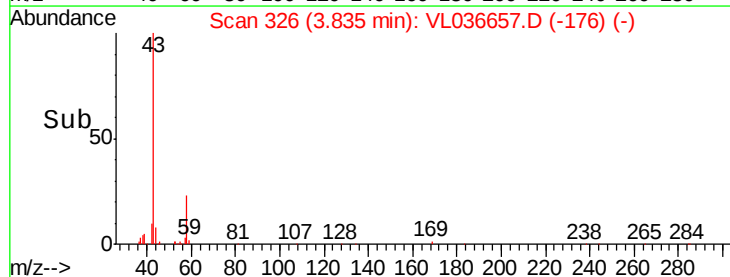
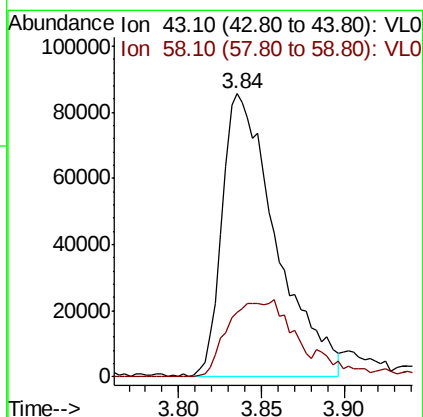
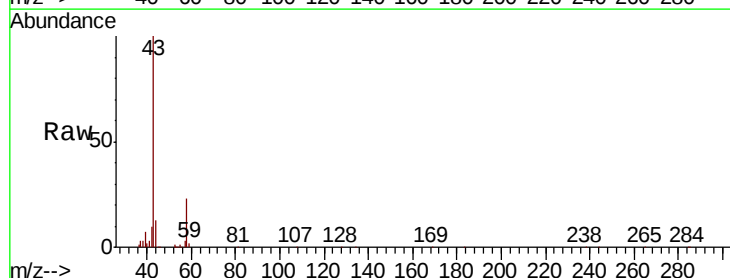
Instrument :
MSVOA_L
ClientSampleId :

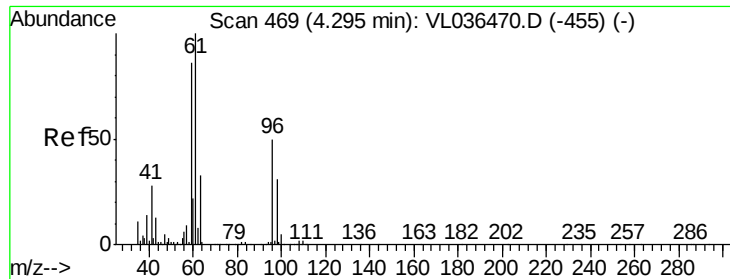
Tot Ion: 45 Resp: 146234
Ion Ratio Lower Upper
45 100
46 40.5 16.6 66.2



#15
Acetone
Concen: 1.522 ppbv
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VL036657.D
Acq: 2 Apr 2021 22:57

Tgt Ion: 43 Resp: 191332
Ion Ratio Lower Upper
43 100
58 37.3 21.2 31.8#



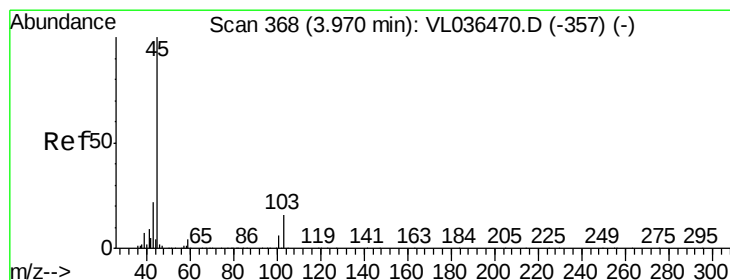
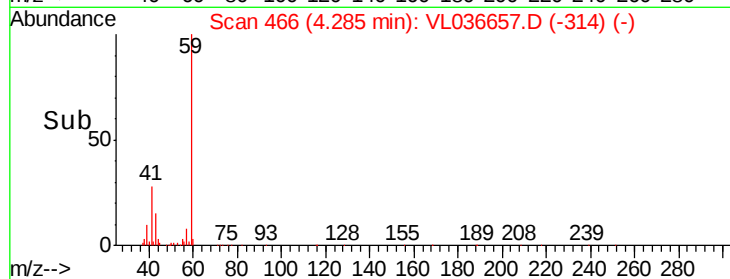
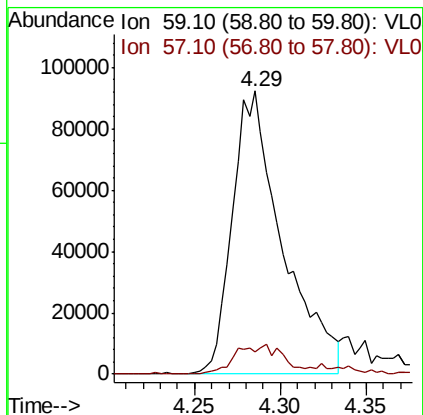
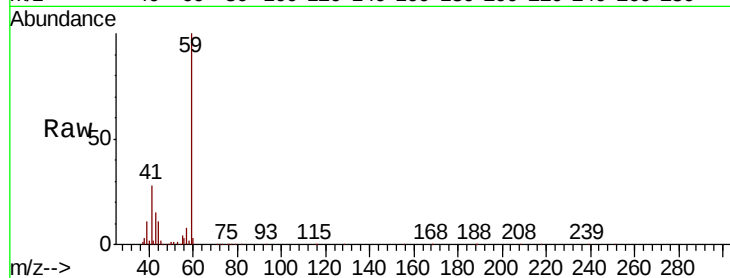


#17

tert-Butyl alcohol
 Concen: 1.704 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: VL036657.D
 Acq: 2 Apr 2021 22:57

Instrument :
 MSVOA_L
 ClientSampleId :

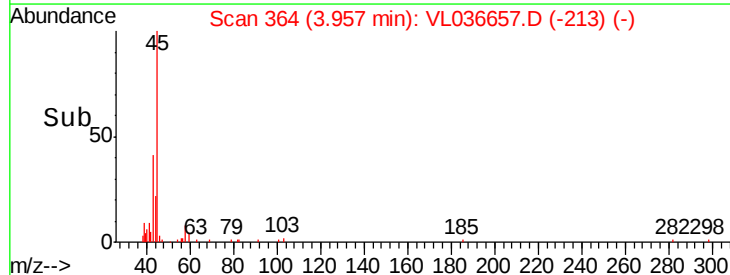
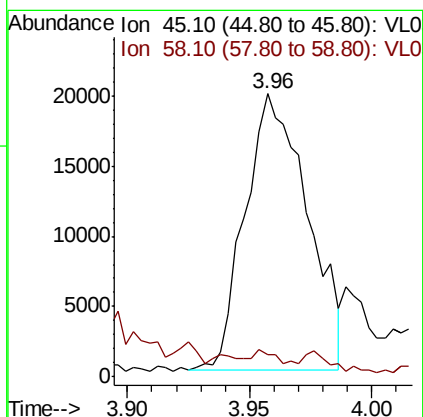
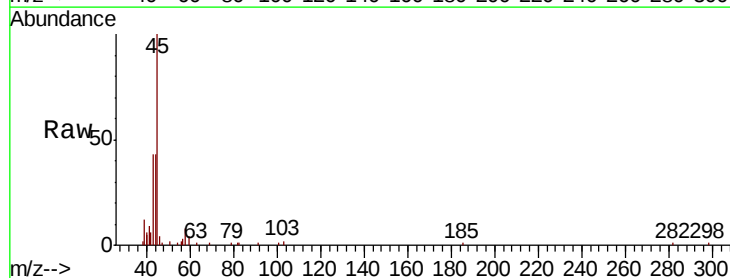
Tot Ion: 59 Resp: 186488
 Ion Ratio Lower Upper
 59 100
 57 13.2 8.6 12.8#

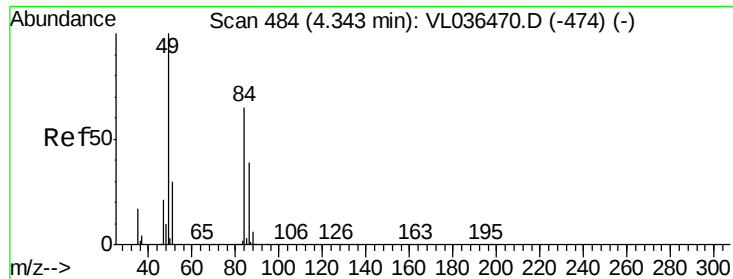


#19

Isopropyl Alcohol
 Concen: 0.505 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VL036657.D
 Acq: 2 Apr 2021 22:57

Tgt Ion: 45 Resp: 34942
 Ion Ratio Lower Upper
 45 100
 58 8.2 2.9 4.3#

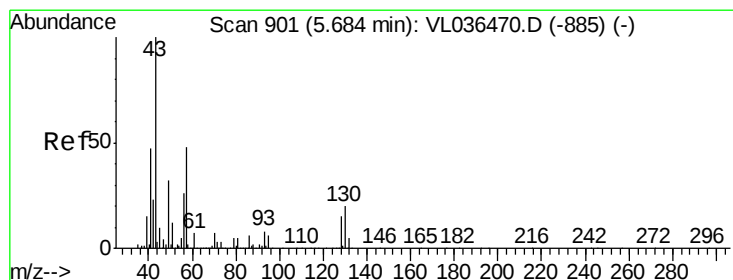
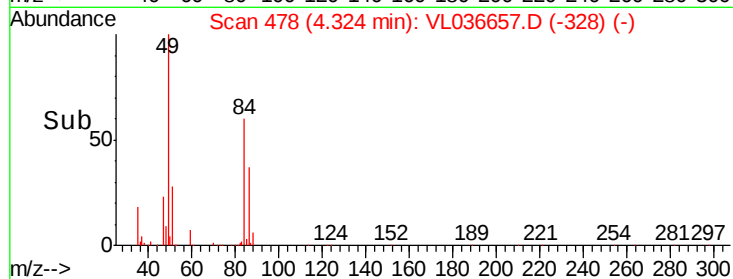
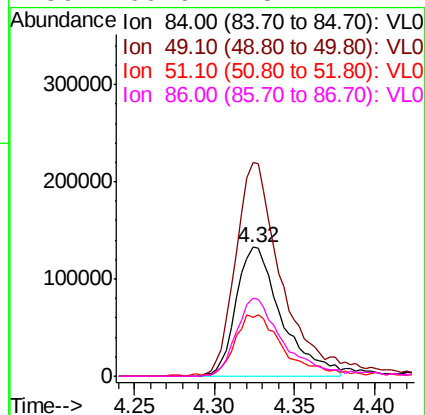
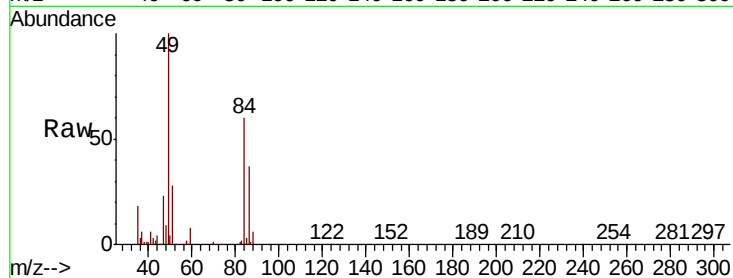




#20
Methylene Chloride
Concen: 4.376 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL036657.D
Acq: 2 Apr 2021 22:57

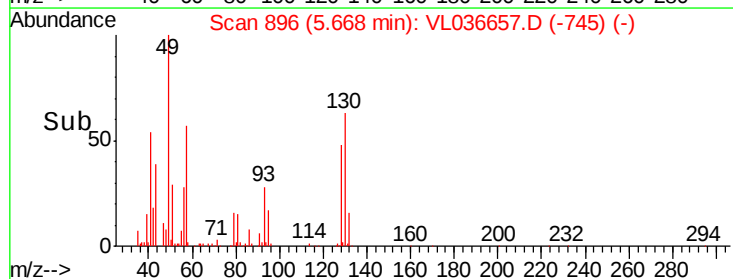
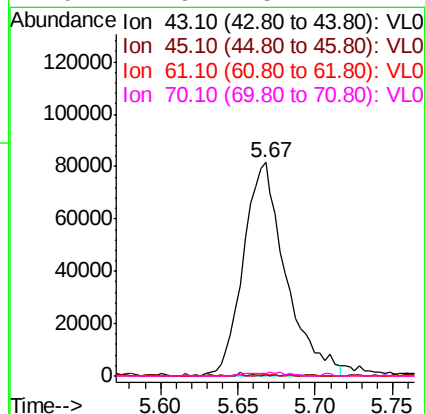
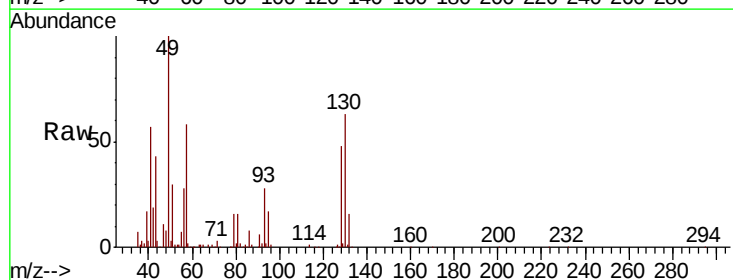
Instrument :
MSVOA_L
ClientSampleId :

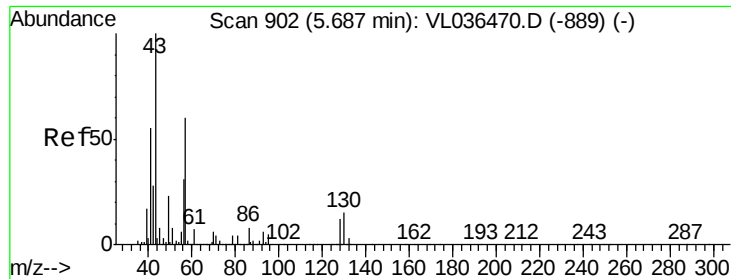
Tot Ion:	84	Resp:	257489
Ion	Ratio	Lower	Upper
84	100		
49	165.4	122.9	184.3
51	45.4	36.9	55.3
86	60.6	48.2	72.4



#25
Ethyl Acetate
Concen: 0.521 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL036657.D
Acq: 2 Apr 2021 22:57

Tgt Ion:	43	Resp:	155716
Ion	Ratio	Lower	Upper
43	100		
45	0.4	7.9	11.9#
61	0.5	7.4	11.2#
70	1.6	5.1	7.7#

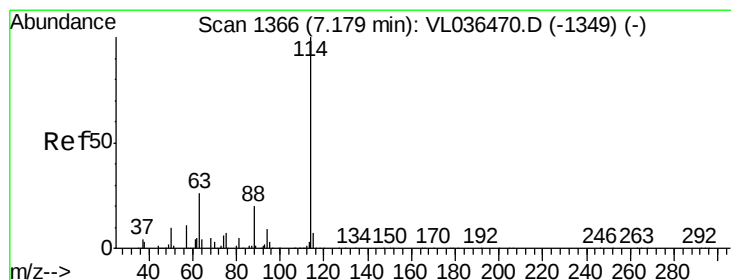
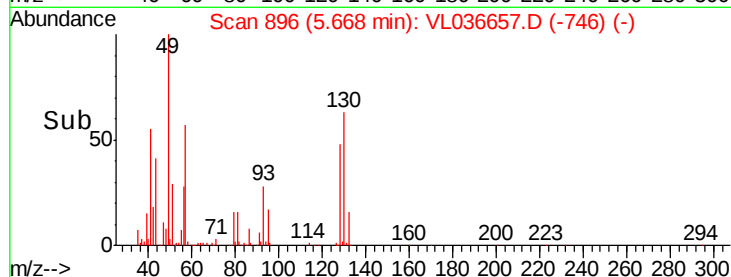
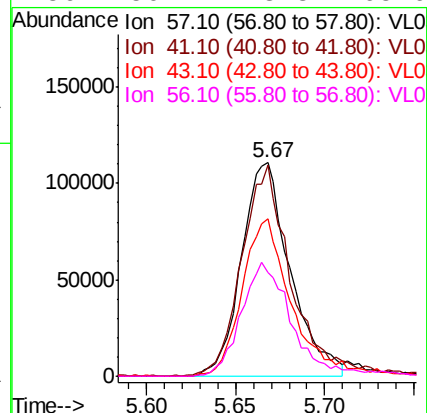
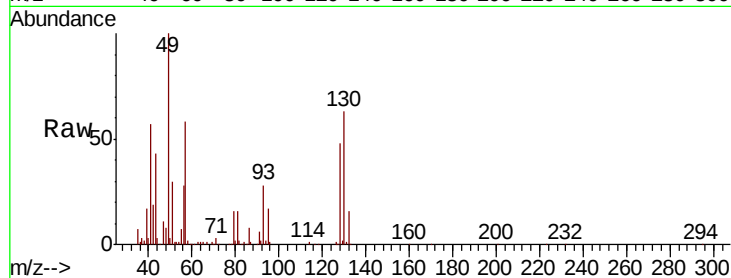




#26
Hexane
Concen: 1.513 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL036657.D
Acq: 2 Apr 2021 22:57

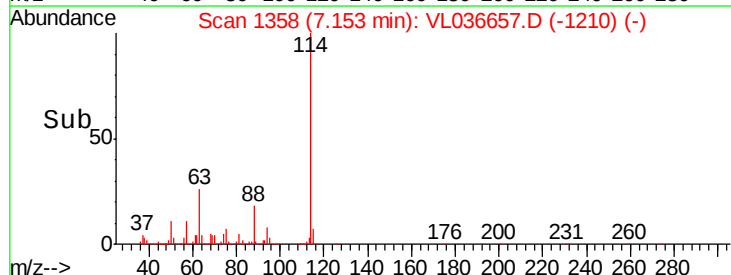
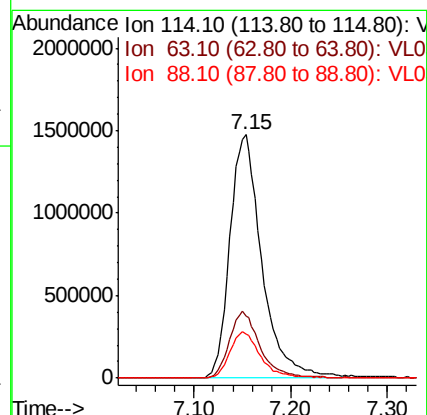
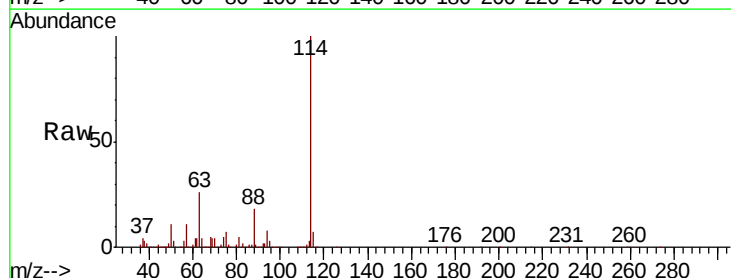
Instrument :
MSVOA_L
ClientSampleId :

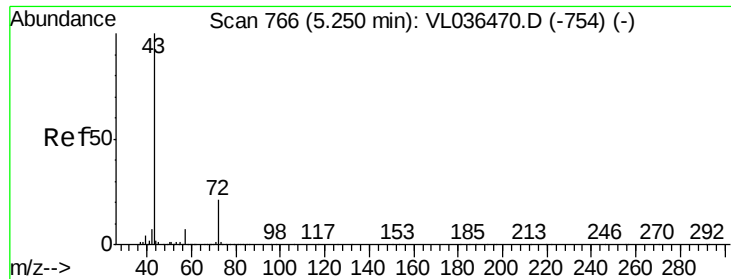
Tot Ion: 57 Resp: 209755
Ion Ratio Lower Upper
57 100
41 103.0 77.2 115.8
43 77.4 173.8 260.6#
56 56.4 43.8 65.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.03 min
Lab File: VL036657.D
Acq: 2 Apr 2021 22:57

Tgt Ion: 114 Resp: 3389485
Ion Ratio Lower Upper
114 100
63 26.7 22.4 33.6
88 18.4 15.4 23.0

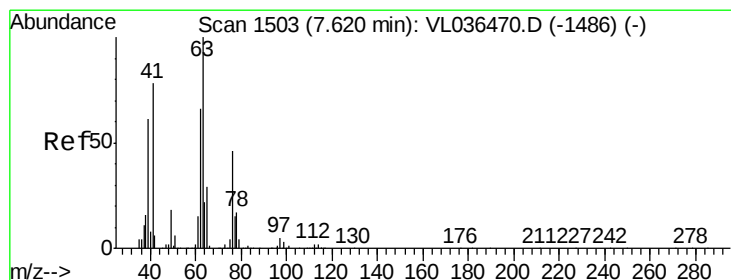
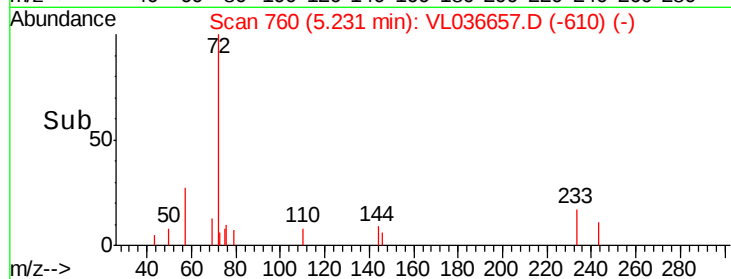
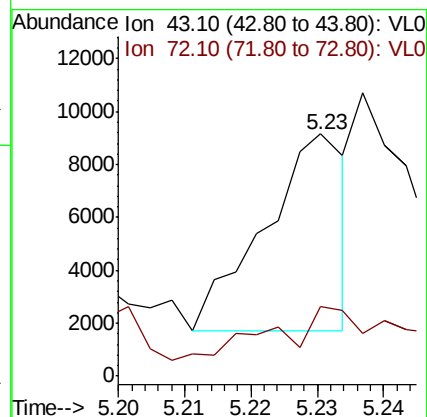
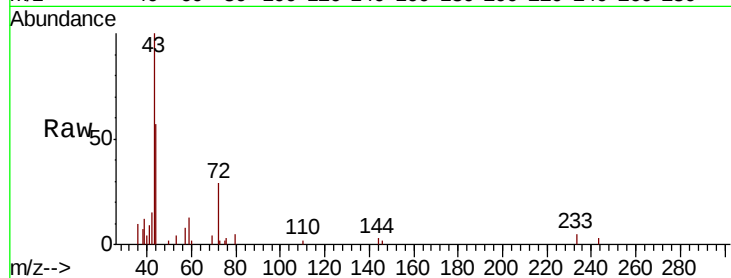




#34
2-Butanone
Concen: 0.038 ppbv
RT: 5.23 min Scan# 760
Delta R.T. -0.02 min
Lab File: VL036657.D
Acq: 2 Apr 2021 22:57

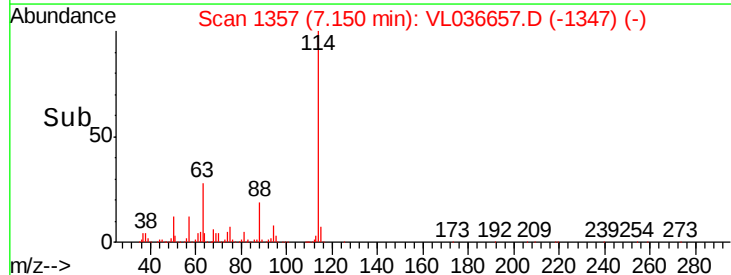
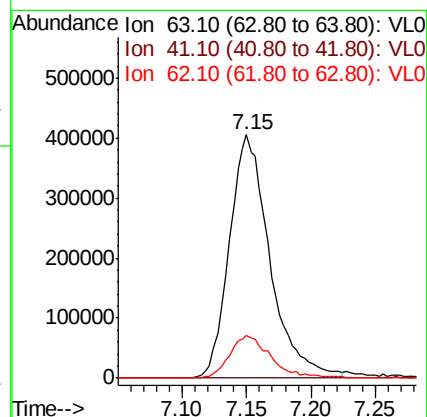
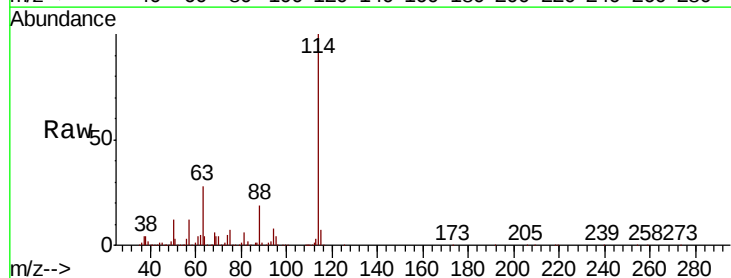
Instrument :
MSVOA_L
ClientSampleId :

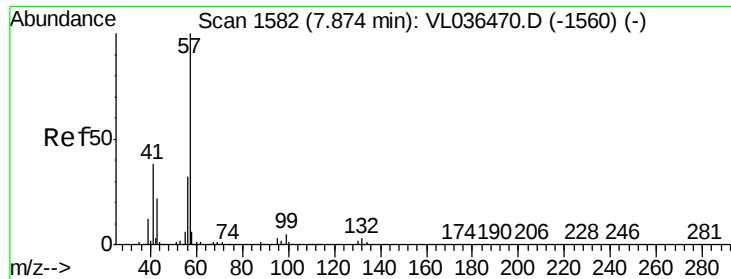
Tot Ion: 43 Resp: 6361
Ion Ratio Lower Upper
43 100
72 92.2 17.0 25.6#



#39
1,2-Dichloropropane
Concen: 6.943 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.47 min
Lab File: VL036657.D
Acq: 2 Apr 2021 22:57

Tgt Ion: 63 Resp: 880384
Ion Ratio Lower Upper
63 100
41 0.0 62.4 93.6#
62 17.6 52.8 79.2#





#44

2,2,4-Trimethylpentane

Concen: 0.027 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.03 min

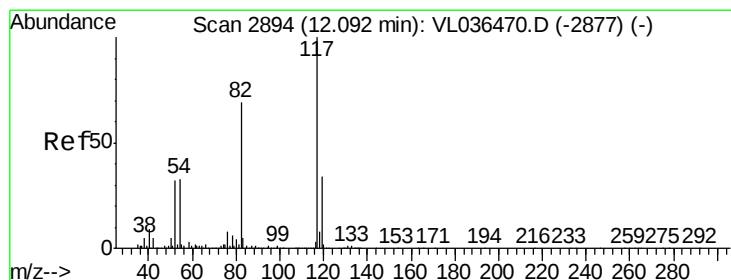
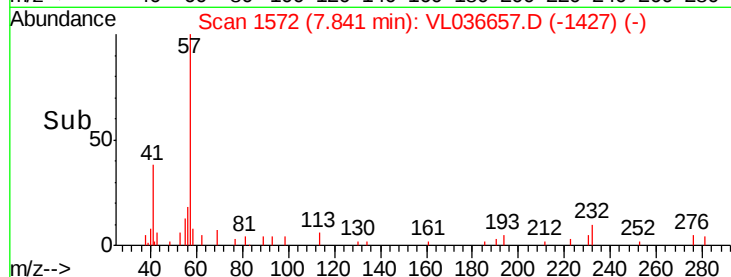
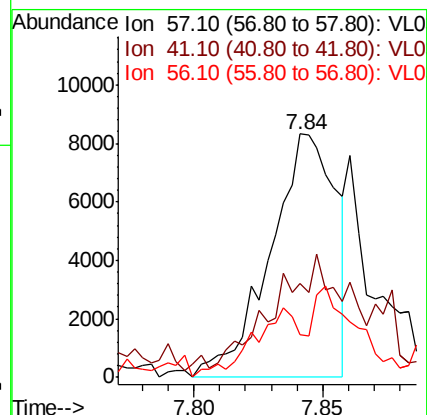
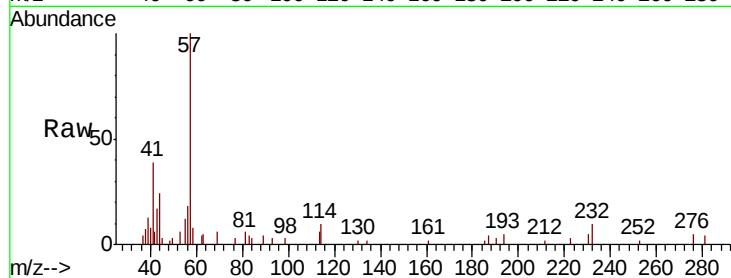
Lab File: VL036657.D

Acq: 2 Apr 2021 22:57

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 57 Resp: 14684

Ion	Ratio	Lower	Upper
57	100		
41	65.1	28.8	43.2#
56	51.6	26.1	39.1#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2884

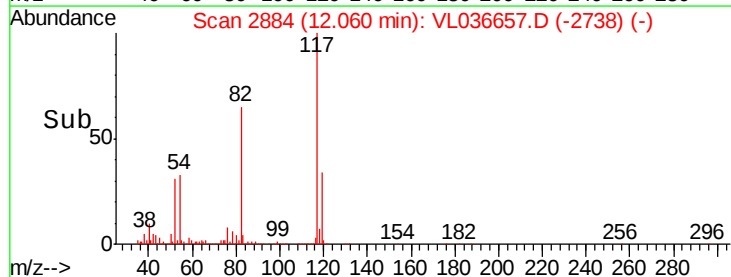
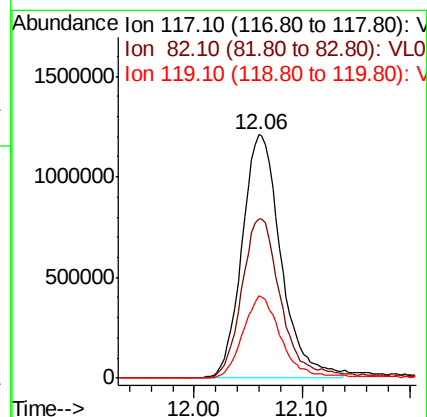
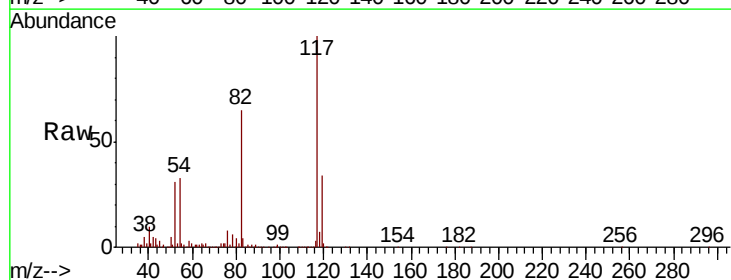
Delta R.T. -0.03 min

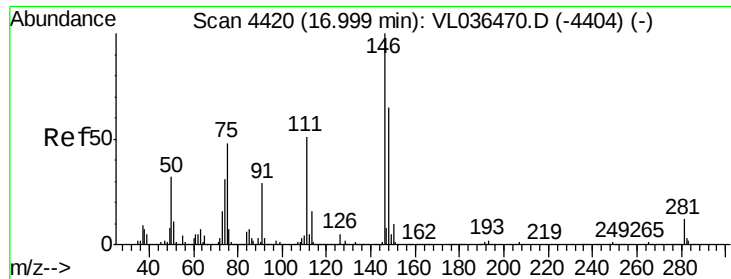
Lab File: VL036657.D

Acq: 2 Apr 2021 22:57

Tgt Ion: 117 Resp: 3036137

Ion	Ratio	Lower	Upper
117	100		
82	69.2	57.4	86.0
119	34.0	47.4	71.0#

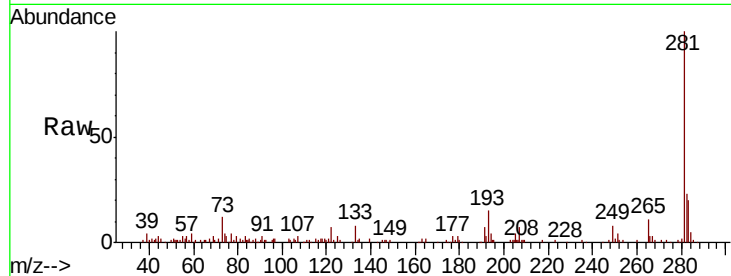




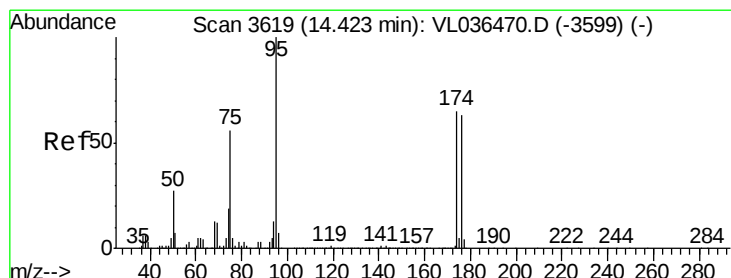
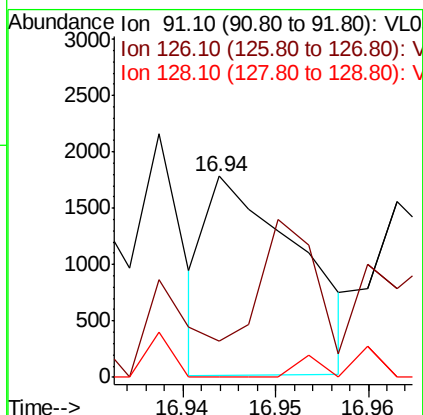
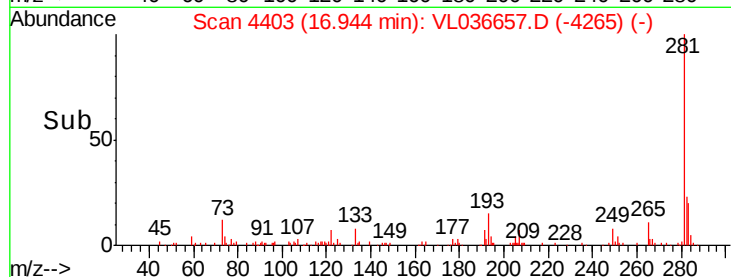
#66
Benzyl Chloride
Concen: 0.025 ppbv
RT: 16.94 min Scan# 4403
Delta R.T. -0.05 min
Lab File: VL036657.D
Acq: 2 Apr 2021 22:57

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 91 Resp: 1221
Ion Ratio Lower Upper
91 100
126 86.7 13.5 20.3#
128 0.0 4.2 6.4#

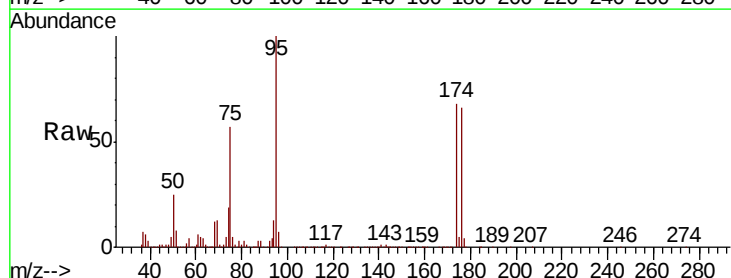


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

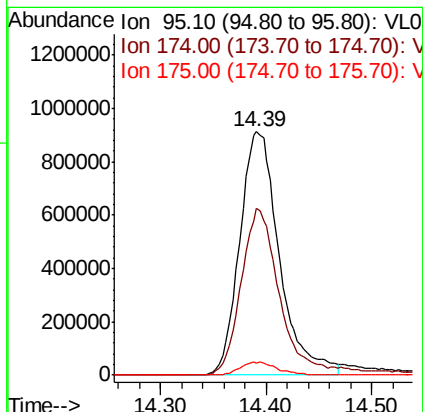
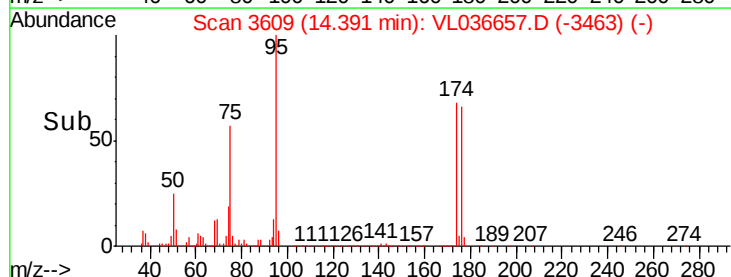


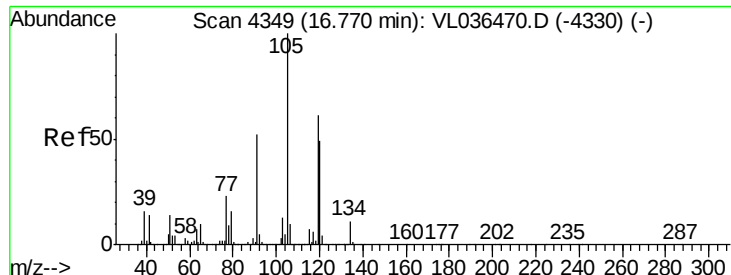
#68
1-Bromo-4-Fluorobenzene
Concen: 9.866 ppbv
RT: 14.39 min Scan# 3609
Delta R.T. -0.03 min
Lab File: VL036657.D
Acq: 2 Apr 2021 22:57

Tgt Ion: 95 Resp: 2387313
Ion Ratio Lower Upper
95 100
174 70.2 51.0 76.6
175 5.2 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





#74

1,2,4-Trimethylbenzene

Concen: 0.022 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.04 min

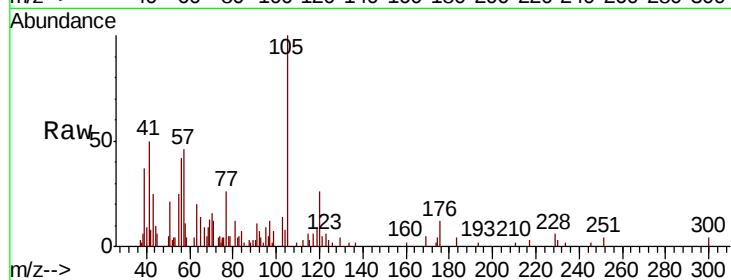
Lab File: VL036657.D

Acq: 2 Apr 2021 22:57

Instrument :

MSVOA_L

ClientSampleId :



Tot Ion:	105	Resp:	9025
Ion	Ratio	Lower	Upper
105	100		
120	0.0	39.2	58.8#
91	1.4	42.6	64.0#
77	19.9	18.6	28.0

