

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040521\
 Data File : VL036687.D
 Acq On : 6 Apr 2021 00:27
 Operator : SY/AP
 Sample : M1945-02DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 06 02:01:55 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	1310811	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3225290	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2951816	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2335258	9.93	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

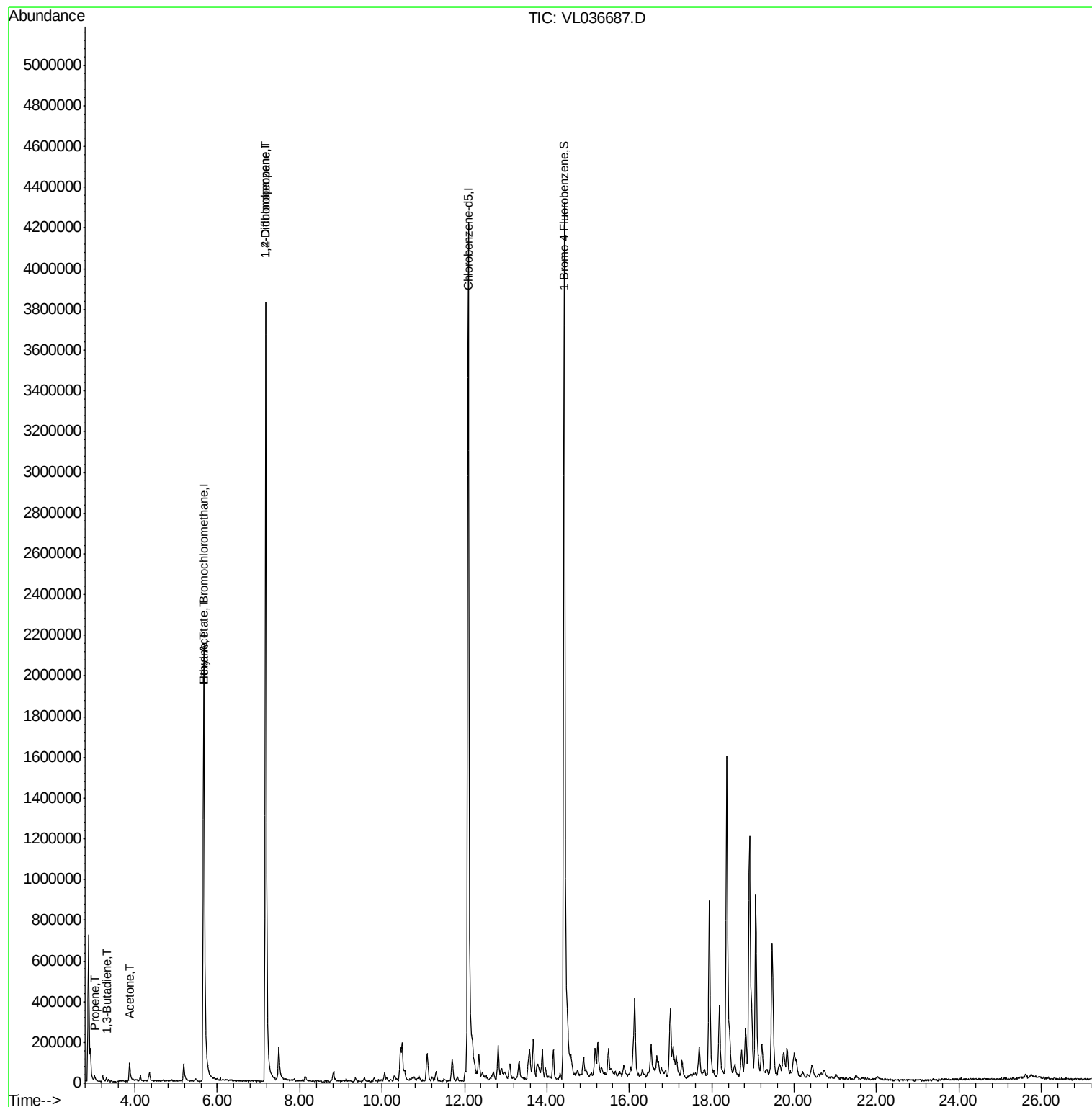
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	2627	0.034	ppbv #	1
15) Acetone	3.87	43	91095	0.706	ppbv #	48
16) 1,3-Butadiene	3.31	39	3048	0.034	ppbv #	18
25) Ethyl Acetate	5.69	43	54110	0.176	ppbv #	76
26) Hexane	5.69	57	71013	0.499	ppbv #	46
39) 1,2-Dichloropropane	7.17	63	827604	6.859	ppbv #	23

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

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QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

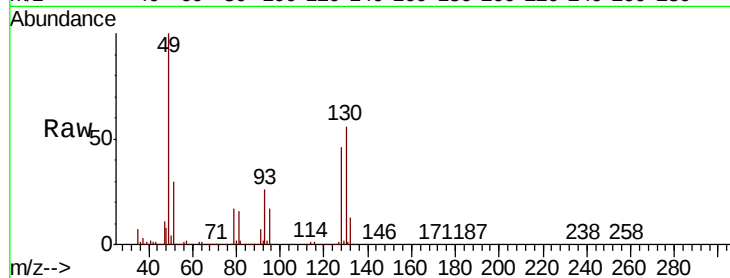
Lab File: VL036687.D

Acq: 6 Apr 2021 00:27

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1310811

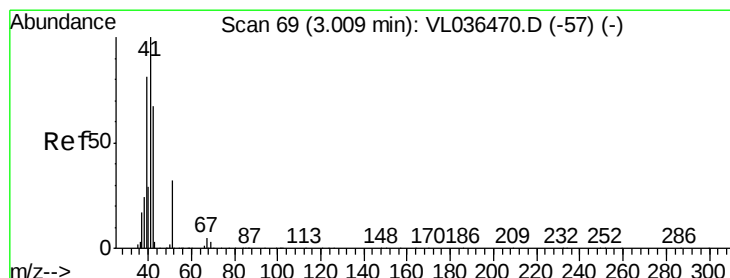
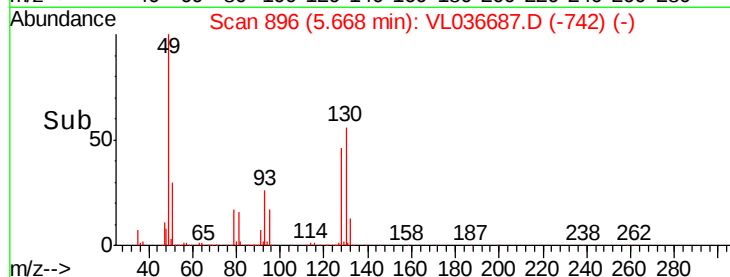
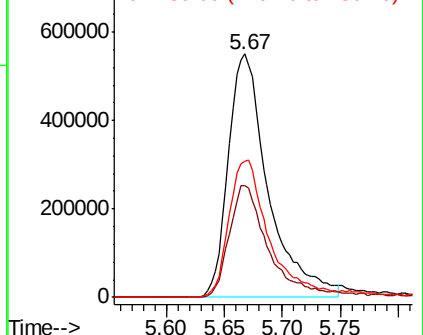
Ion	Ratio	Lower	Upper
49	100		
128	47.2	23.5	70.6
130	60.0	29.1	87.4



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: 0.034 ppbv

RT: 3.01 min Scan# 68

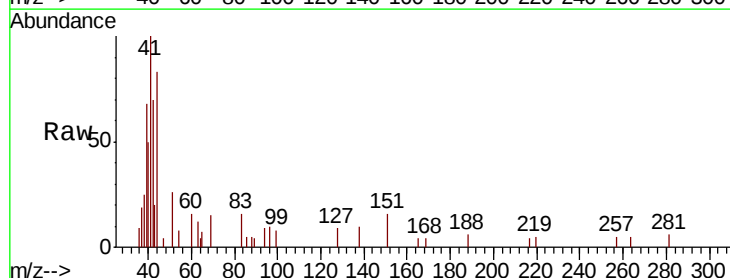
Delta R.T. -0.00 min

Lab File: VL036687.D

Acq: 6 Apr 2021 00:27

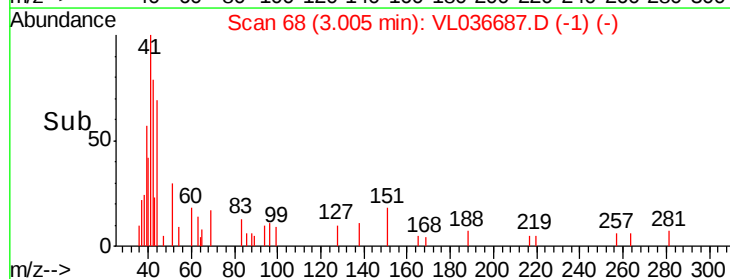
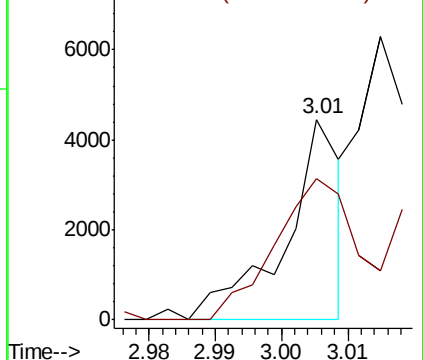
Tgt Ion: 41 Resp: 2627

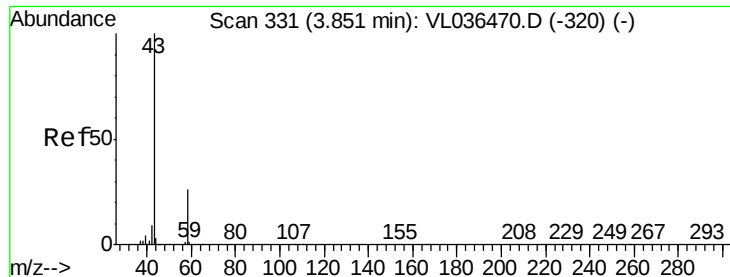
Ion	Ratio	Lower	Upper
41	100		
42	229.8	57.0	85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.706 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.02 min

Lab File: VL036687.D

Acq: 6 Apr 2021 00:27

Instrument :

MSVOA_L

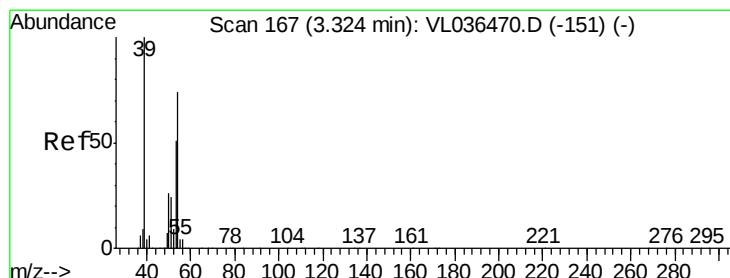
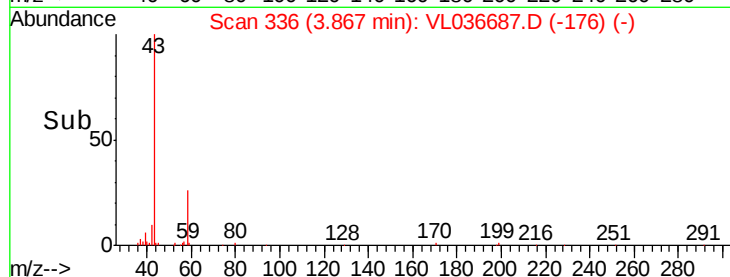
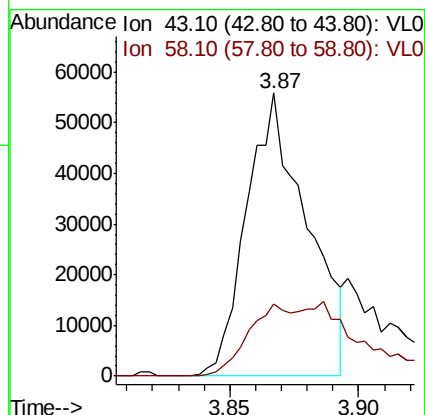
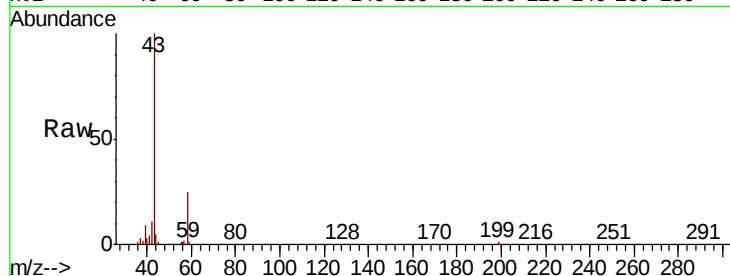
ClientSampled :

Tot Ion: 43 Resp: 91095

Ion Ratio Lower Upper

43 100

58 0.0 21.2 31.8#



#16

1,3-Butadiene

Concen: 0.034 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.02 min

Lab File: VL036687.D

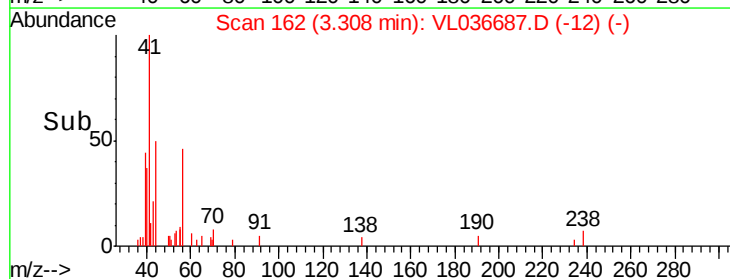
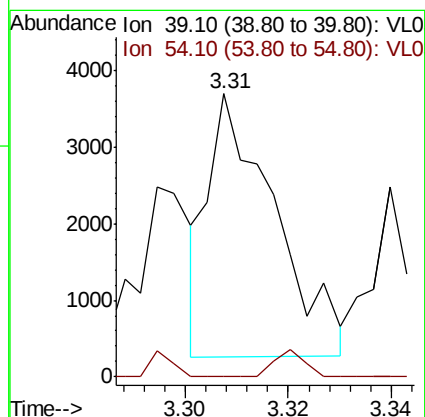
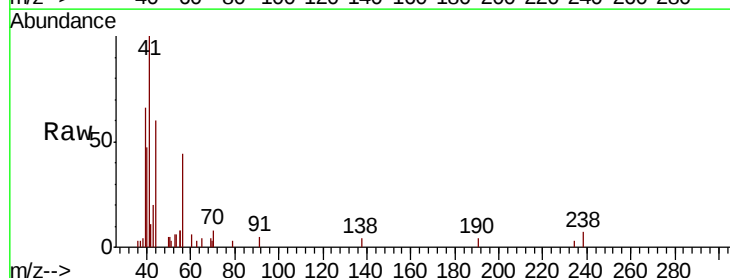
Acq: 6 Apr 2021 00:27

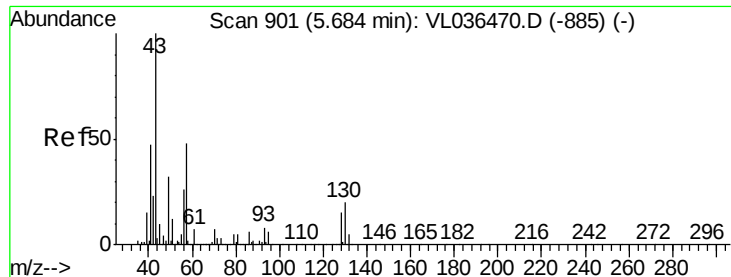
Tgt Ion: 39 Resp: 3048

Ion Ratio Lower Upper

39 100

54 4.7 58.8 88.2#

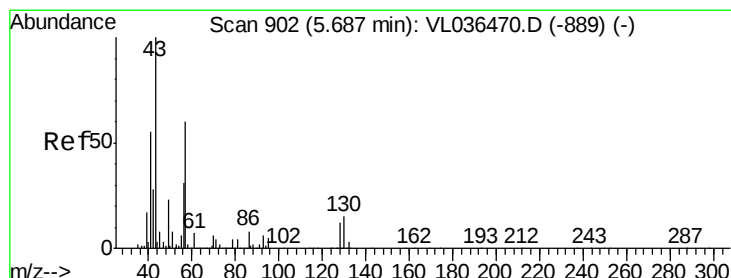
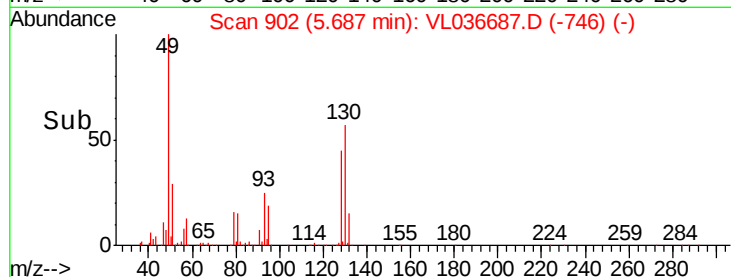
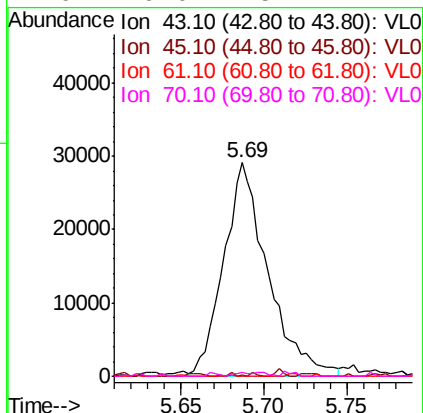
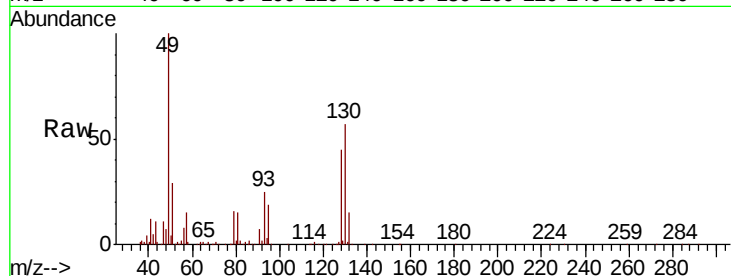




#25
Ethyl Acetate
Concen: 0.176 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL036687.D
Acq: 6 Apr 2021 00:27

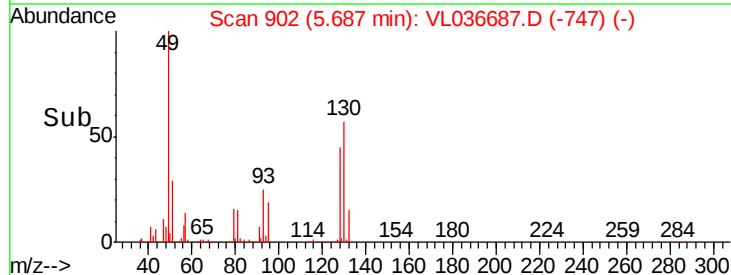
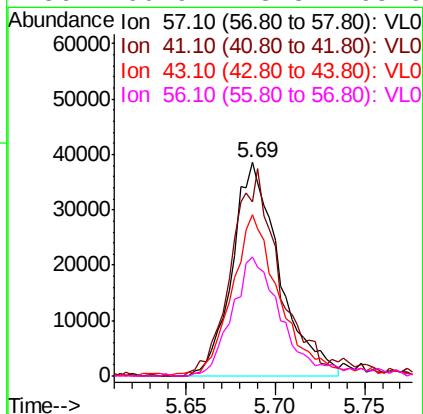
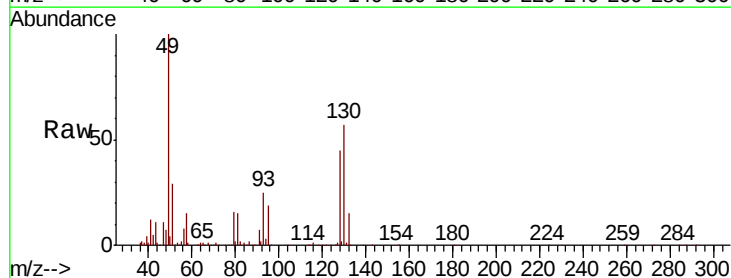
Instrument :
MSVOA_L
ClientSampleId :

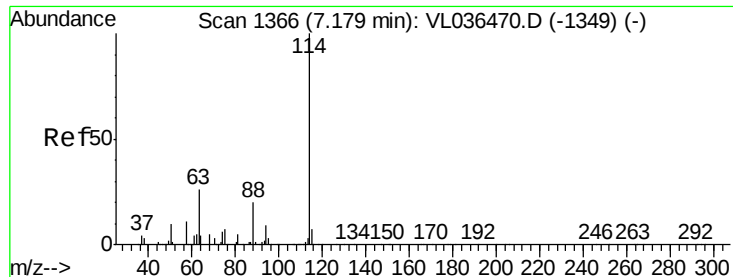
Tot Ion:	43	Resp:	54110
Ion	Ratio	Lower	Upper
43	100		
45	0.7	7.9	11.9#
61	0.0	7.4	11.2#
70	0.0	5.1	7.7#



#26
Hexane
Concen: 0.499 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL036687.D
Acq: 6 Apr 2021 00:27

Tgt Ion:	57	Resp:	71013
Ion	Ratio	Lower	Upper
57	100		
41	105.4	77.2	115.8
43	80.7	173.8	260.6#
56	60.9	43.8	65.6

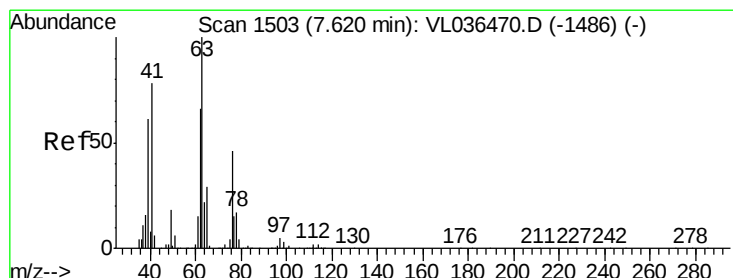
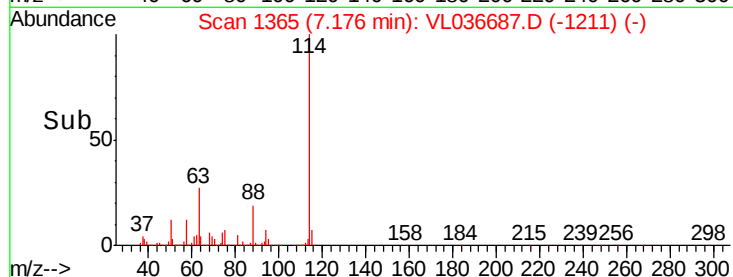
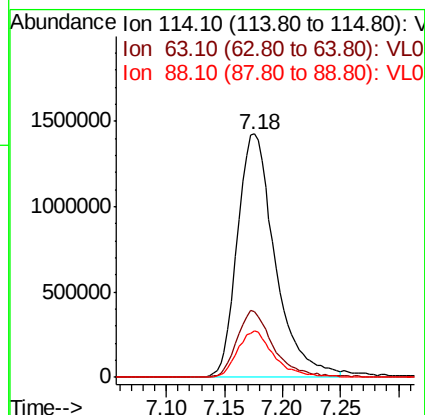
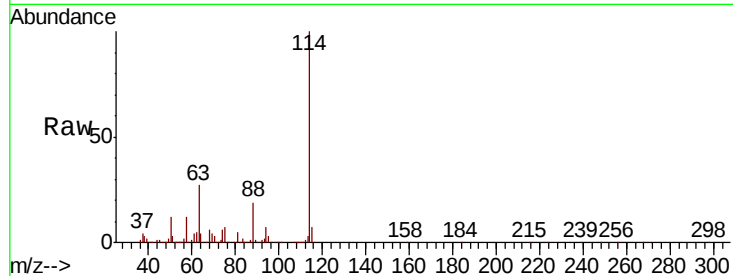




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL036687.D
 Acq: 6 Apr 2021 00:27

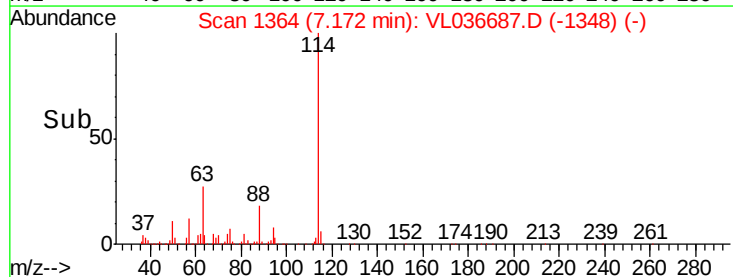
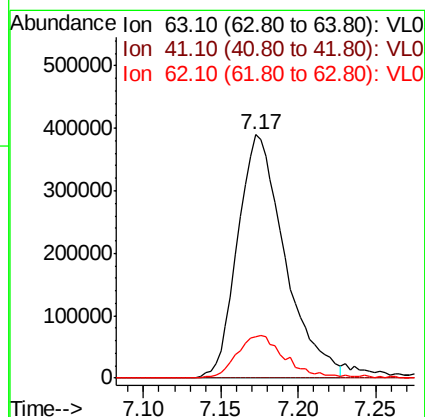
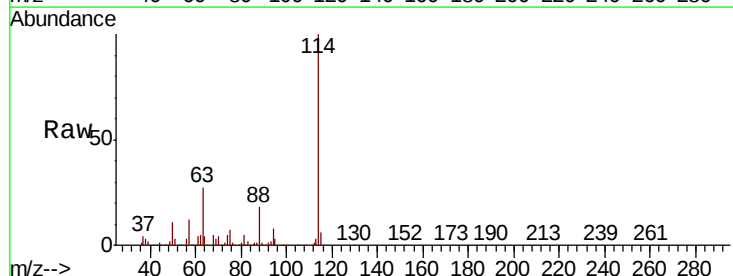
Instrument :
 MSVOA_L
 ClientSampleId :

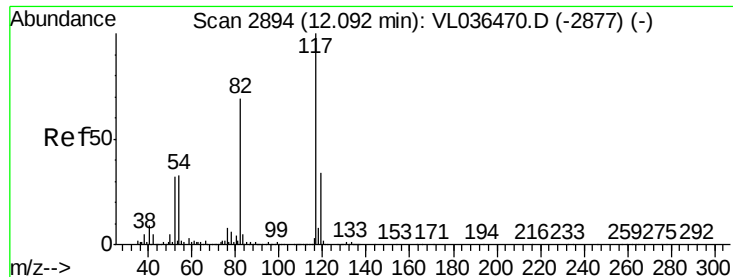
Tot Ion:114 Resp: 3225290
 Ion Ratio Lower Upper
 114 100
 63 26.7 22.4 33.6
 88 18.7 15.4 23.0



#39
 1,2-Dichloropropane
 Concen: 6.859 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.45 min
 Lab File: VL036687.D
 Acq: 6 Apr 2021 00:27

Tgt Ion: 63 Resp: 827604
 Ion Ratio Lower Upper
 63 100
 41 0.1 62.4 93.6#
 62 17.2 52.8 79.2#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. -0.00 min

Lab File: VL036687.D

Acq: 6 Apr 2021 00:27

Instrument :

MSVOA_L

ClientSampleId :

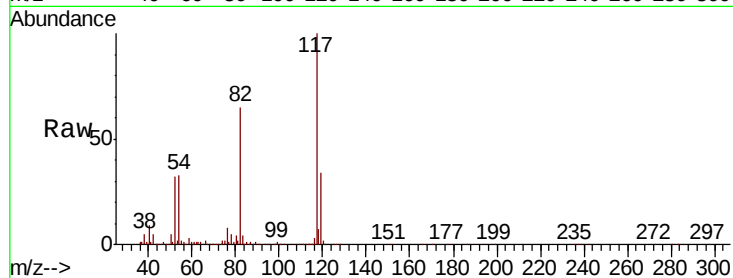
Tot Ion:117 Resp: 2951816

Ion	Ratio	Lower	Upper
117	100		
82	69.6	57.4	86.0
119	33.9	47.4	71.0

117 100

82 69.6 57.4 86.0

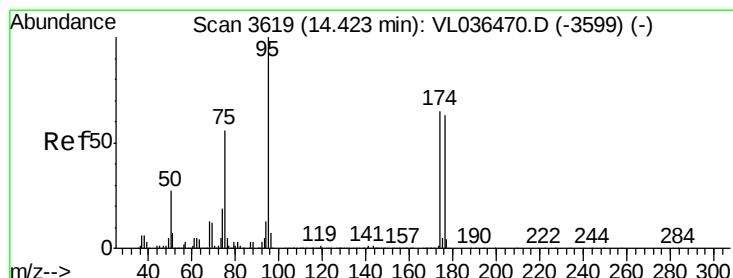
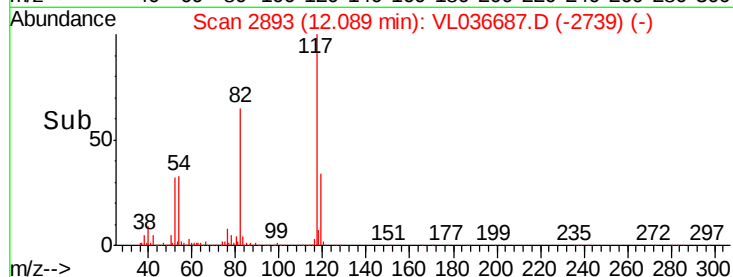
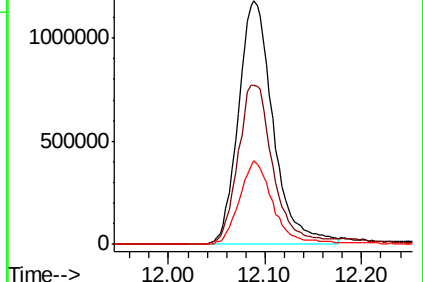
119 33.9 47.4 71.0



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: 9.926 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL036687.D

Acq: 6 Apr 2021 00:27

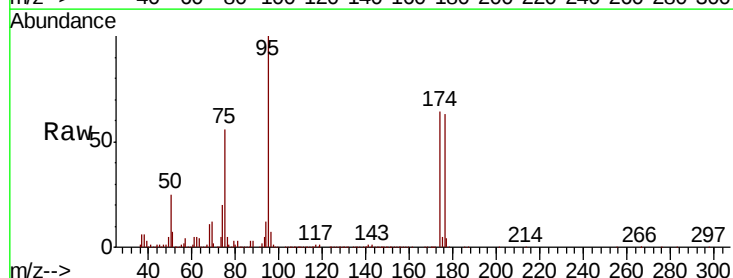
Tgt Ion: 95 Resp: 2335258

Ion	Ratio	Lower	Upper
95	100		
174	66.8	51.0	76.6
175	5.2	3.9	5.9

95 100

174 66.8 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

