

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041321\
 Data File : VL036809.D
 Acq On : 13 Apr 2021 18:53
 Operator : SY/AP
 Sample : M2018-01DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 14 04:41:29 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	1336730	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3261687	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2546171	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	1630825	8.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.40%

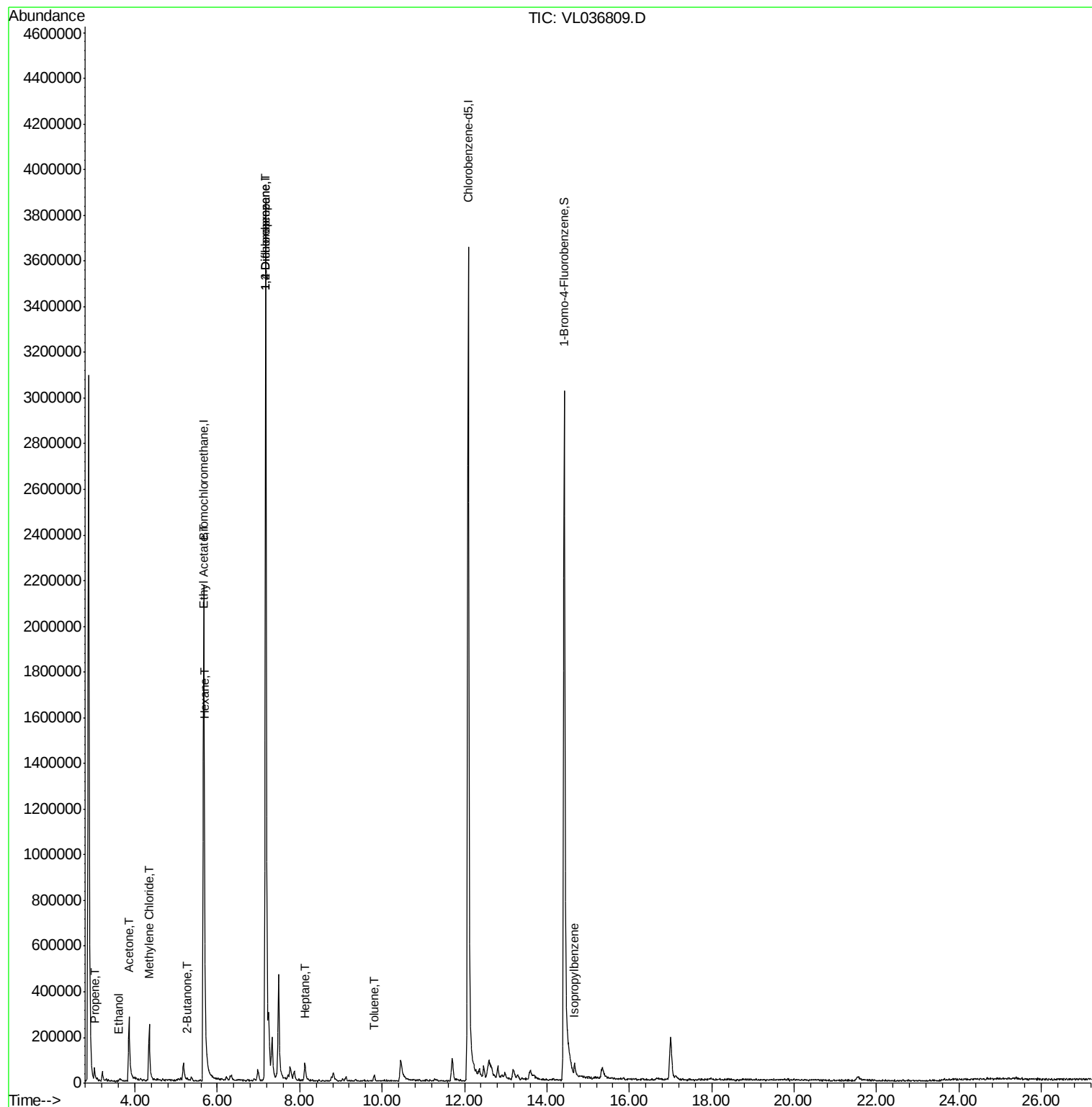
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	11670	0.147	ppbv #	77
10) Heptane	8.12	43	13379	0.066	ppbv #	14
13) Ethanol	3.60	45	754	0.080	ppbv #	34
15) Acetone	3.85	43	390539	2.968	ppbv	90
20) Methylene Chloride	4.34	84	94354	1.532	ppbv	90
25) Ethyl Acetate	5.68	43	36671	0.117	ppbv #	79
26) Hexane	5.69	57	27242	0.188	ppbv #	37
34) 2-Butanone	5.26	43	7927	0.050	ppbv #	55
39) 1,2-Dichloropropane	7.18	63	853037	6.991	ppbv #	24
53) Toluene	9.80	91	9729	0.030	ppbv #	20
62) Isopropylbenzene	14.67	105	22036	0.052	ppbv #	44

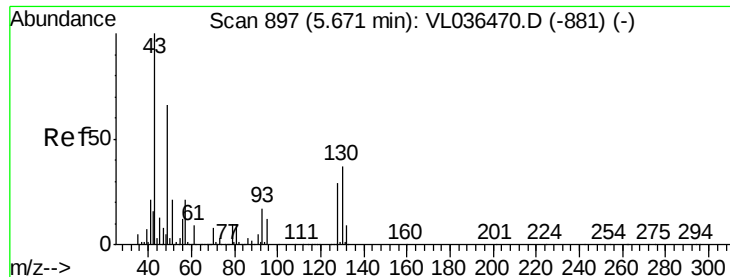
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 18:55

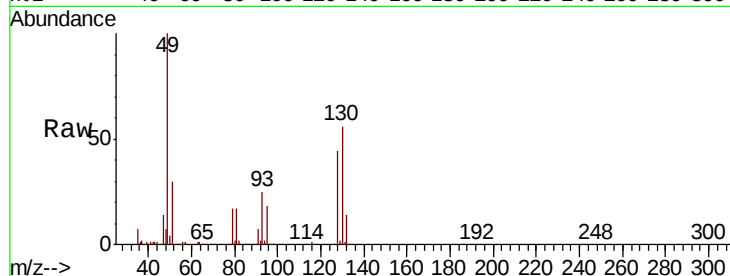
Tot Ion: 49 Resp: 1336730

Ion Ratio Lower Upper

49 100

128 46.7 23.5 70.6

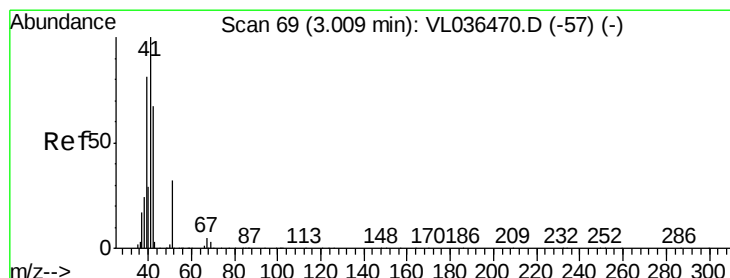
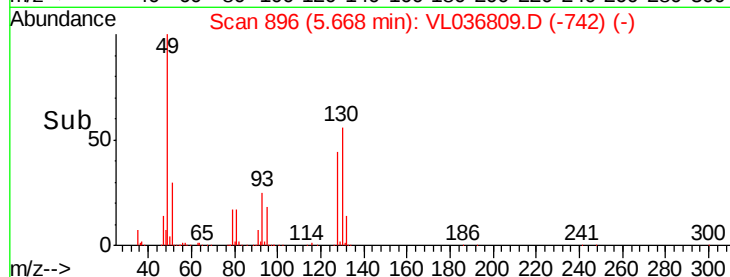
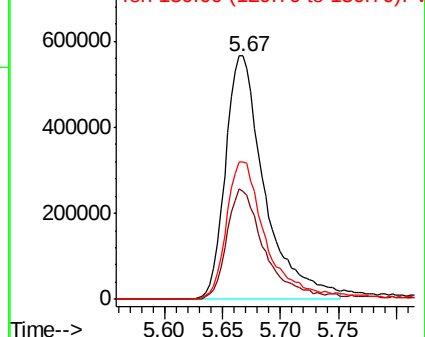
130 58.1 29.1 87.4



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: 0.147 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL036809.D

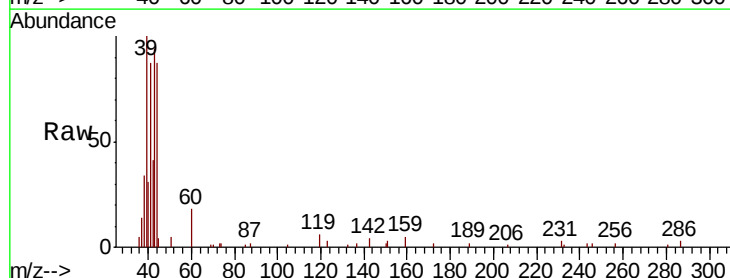
Acq: 13 Apr 2021 18:53

Tgt Ion: 41 Resp: 11670

Ion Ratio Lower Upper

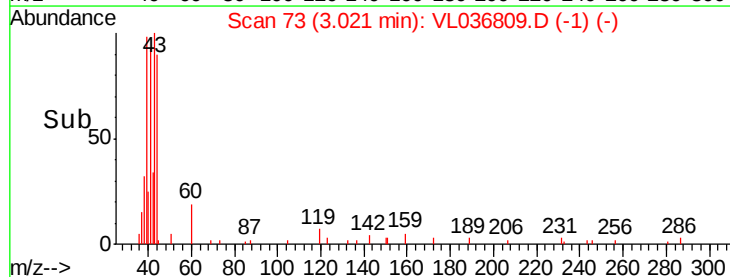
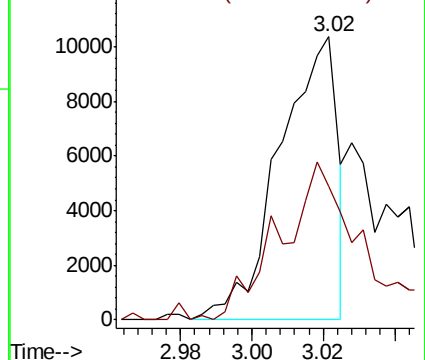
41 100

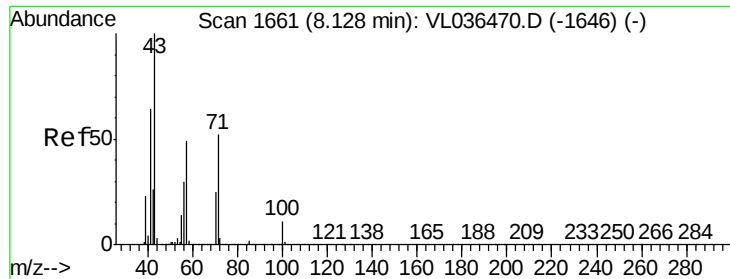
42 90.5 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

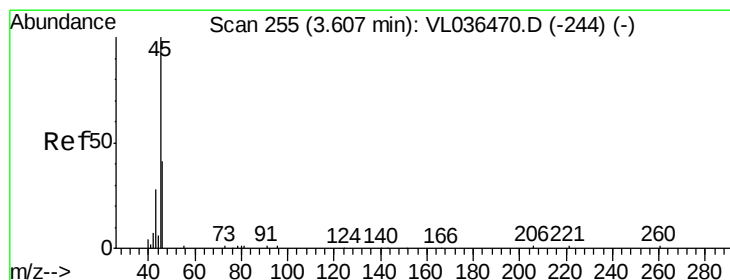
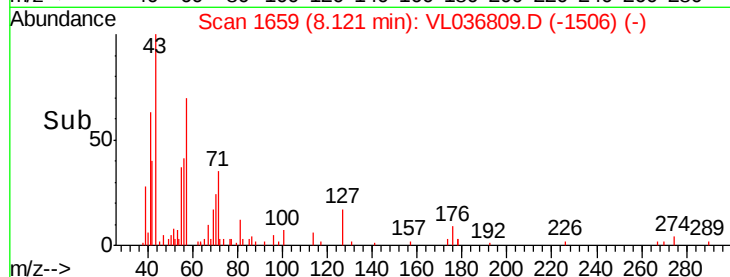
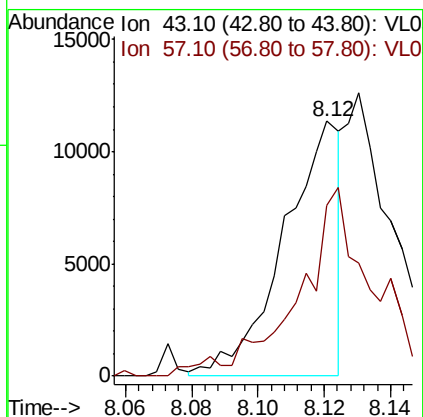
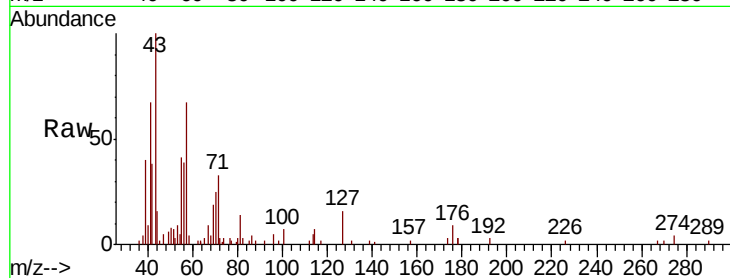
Ion 42.10 (41.80 to 42.80): VL0





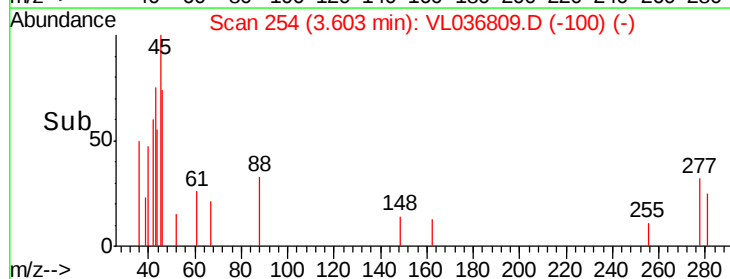
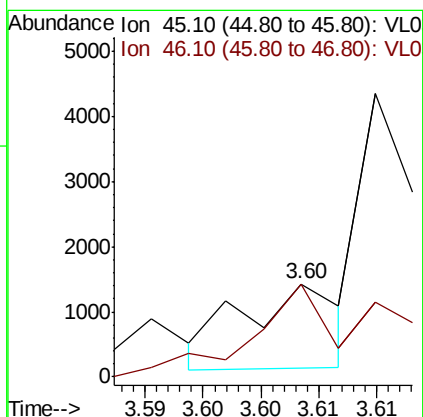
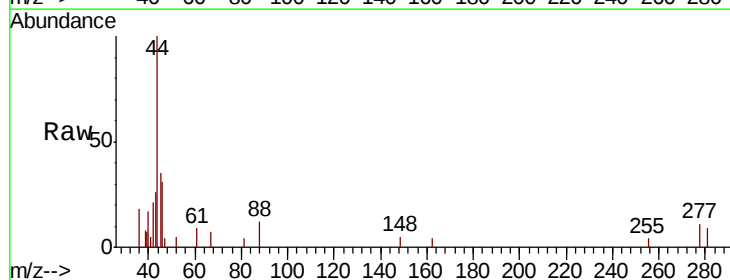
#10
Heptane
Concen: 0.066 ppbv
RT: 8.12
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 Apr 2021 18:55

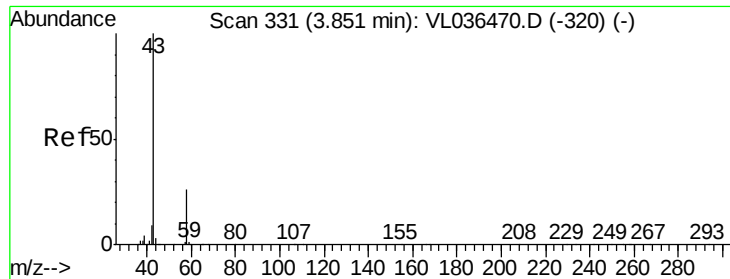
Tot Ion: 43 Resp: 13379
Ion Ratio Lower Upper
43 100
57 107.4 39.0 58.6#



#13
Ethanol
Concen: 0.080 ppbv
RT: 3.60 min Scan# 254
Delta R.T.: -0.00 min
Lab File: VL036809.D
Acq: 13 Apr 2021 18:53

Tgt Ion: 45 Resp: 754
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.2#





#15

Acetone

Concen: 2.968 ppbv

RT: 3.85 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

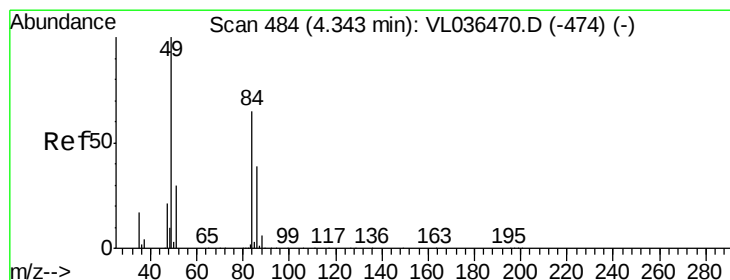
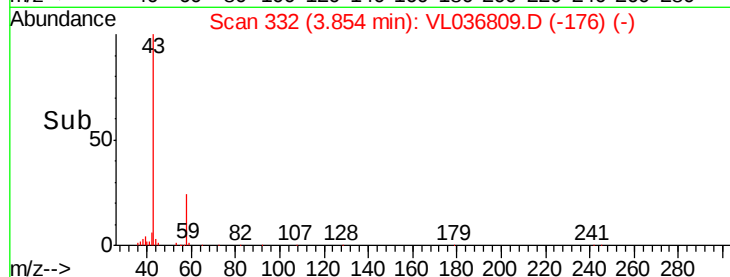
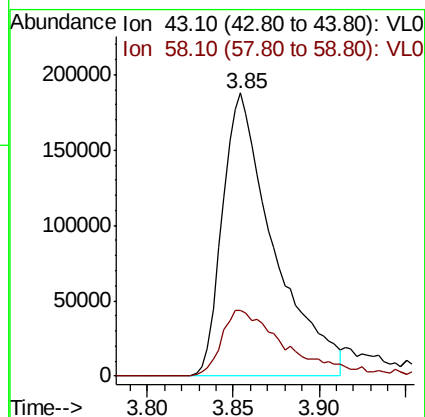
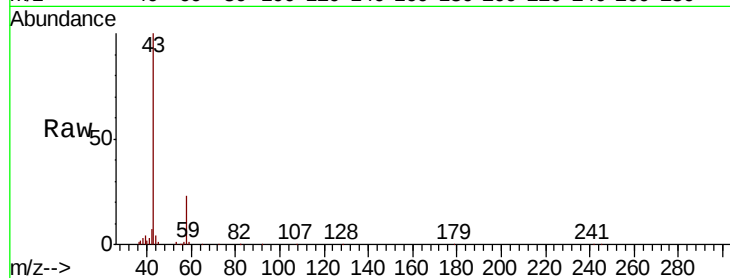
Acq: 13 Apr 2021 18:55

Tot Ion: 43 Resp: 390539

Ion Ratio Lower Upper

43 100

58 31.5 21.2 31.8



#20

Methylene Chloride

Concen: 1.532 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL036809.D

Acq: 13 Apr 2021 18:53

Tgt Ion: 84 Resp: 94354

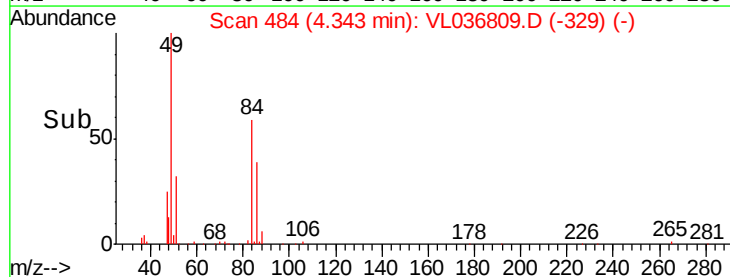
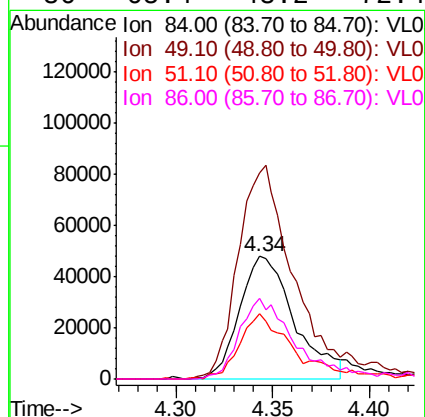
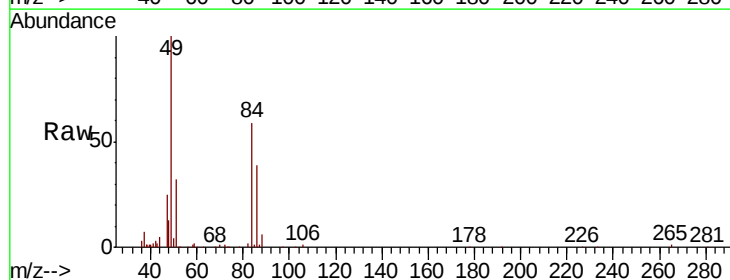
Ion Ratio Lower Upper

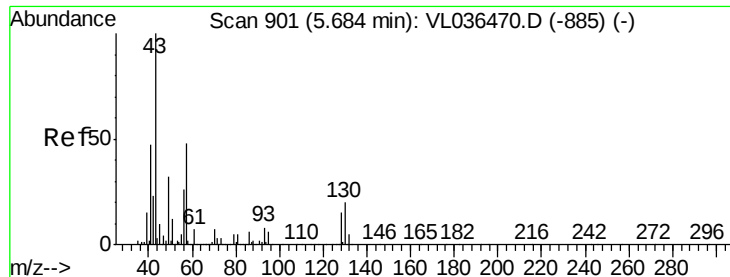
84 100

49 167.9 122.9 184.3

51 52.1 36.9 55.3

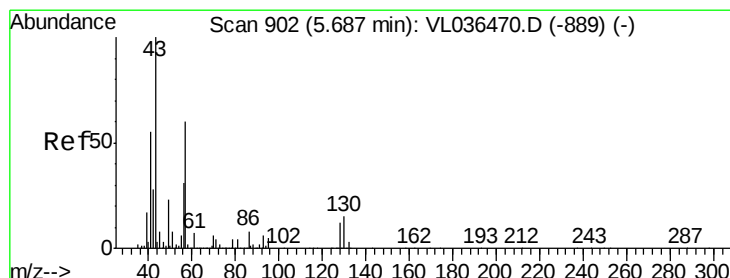
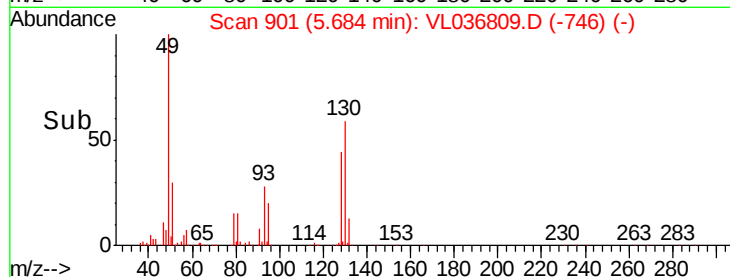
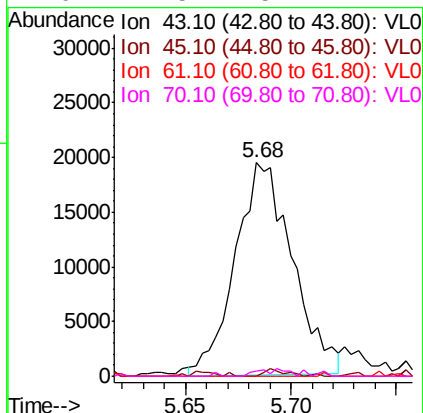
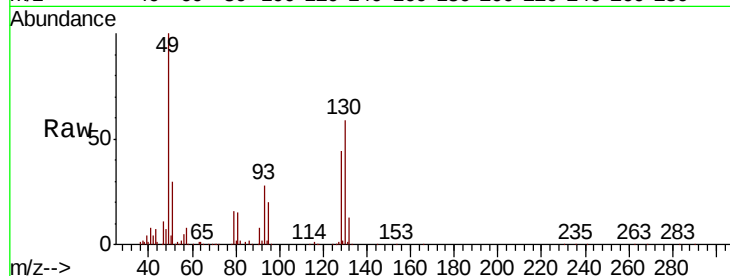
86 65.4 48.2 72.4





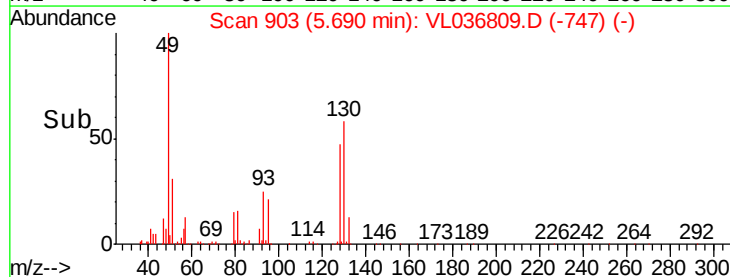
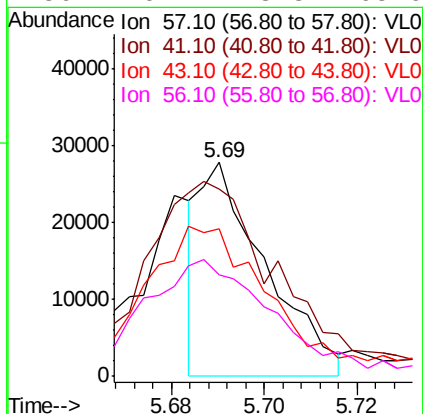
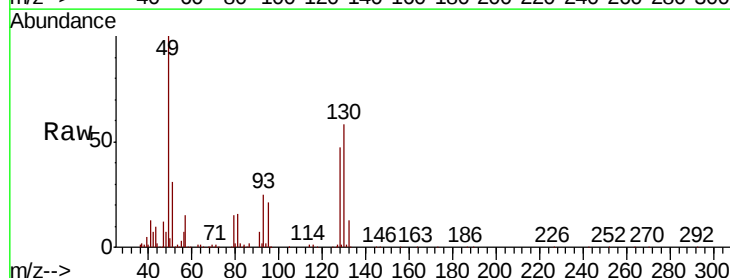
#25
Ethyl Acetate
Concen: 0.117 ppbv
RT: 5.68 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 13 Apr 2021 18:55

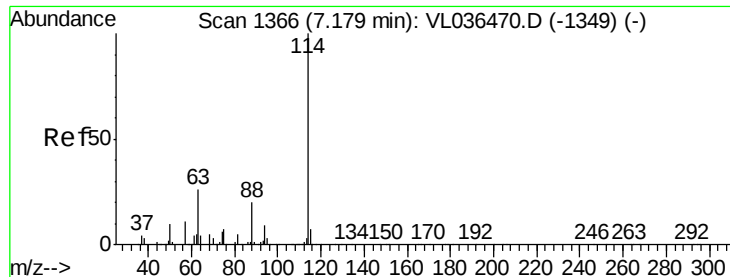
Tot Ion:	43	Resp:	36671
Ion	Ratio	Lower	Upper
43	100		
45	1.4	7.9	11.9#
61	0.0	7.4	11.2#
70	2.5	5.1	7.7#



#26
Hexane
Concen: 0.188 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: 0.00 min
Lab File: VL036809.D
Acq: 13 Apr 2021 18:53

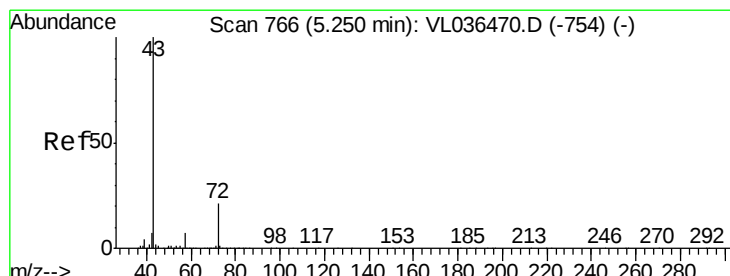
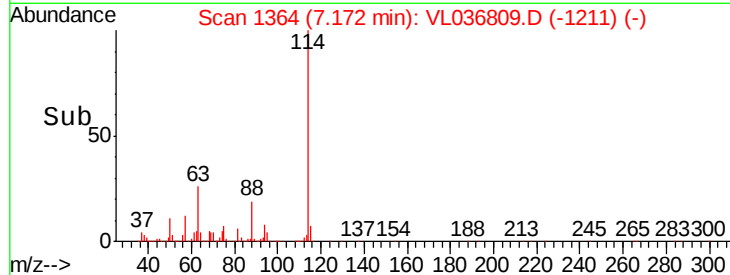
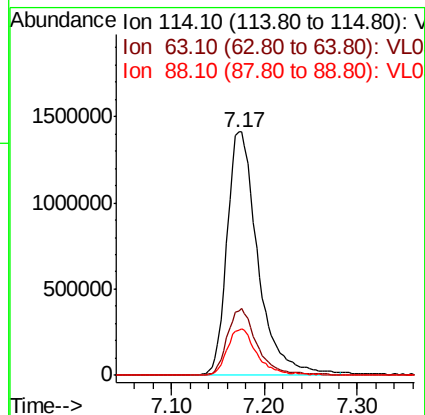
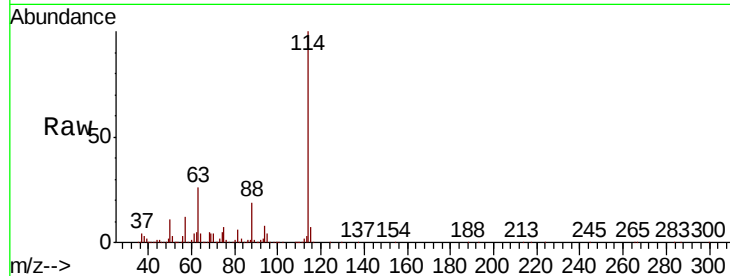
Tgt Ion:	57	Resp:	27242
Ion	Ratio	Lower	Upper
57	100		
41	196.5	77.2	115.8#
43	152.6	173.8	260.6#
56	116.1	43.8	65.6#





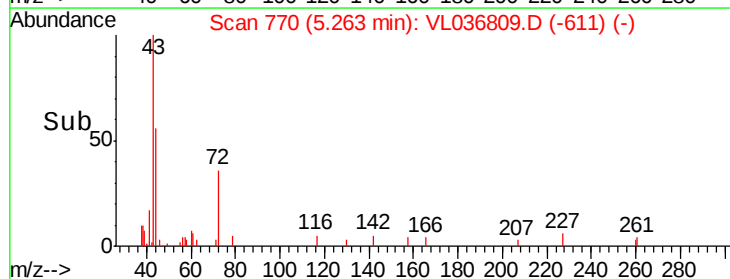
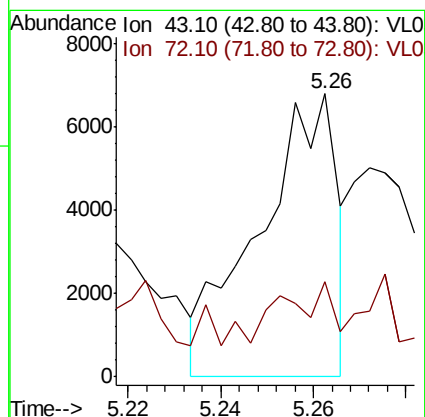
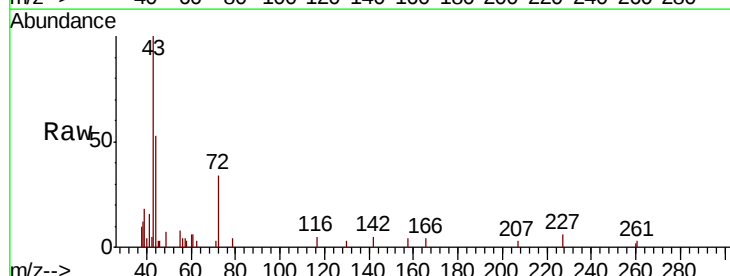
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2021 18:55

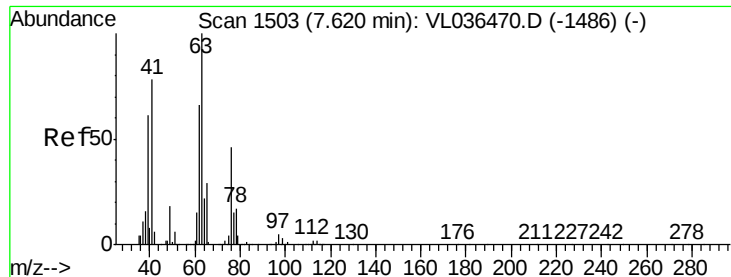
Tot Ion:114	Resp: 3261687
Ion Ratio	Lower Upper
114 100	
63 26.7	22.4 33.6
88 19.1	15.4 23.0



#34
 2-Butanone
 Concen: 0.050 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T.: 0.01 min
 Lab File: VL036809.D
 Acq: 13 Apr 2021 18:53

Tgt Ion: 43	Resp: 7927
Ion Ratio	Lower Upper
43 100	
72 0.0	17.0 25.6#





#39

1,2-Dichloropropane

Concen: 6.991 ppbv

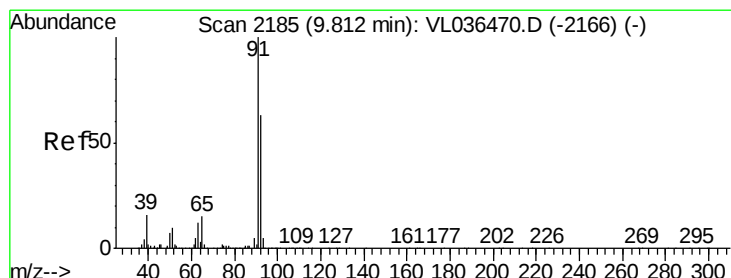
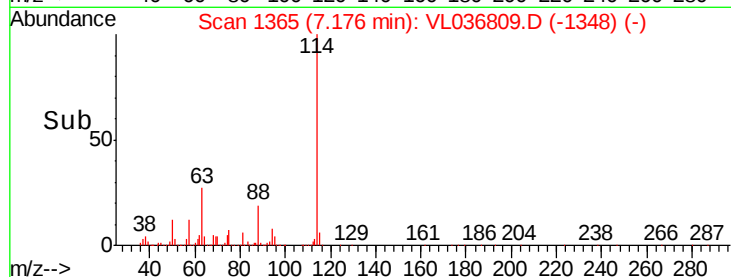
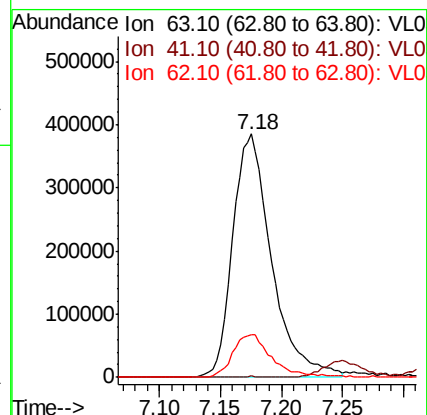
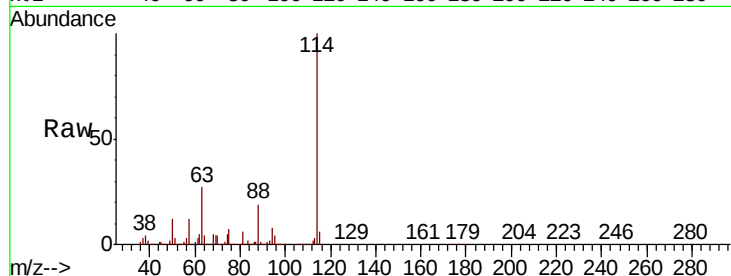
RT: 7.18 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 18:55

Tot Ion:	63	Resp:	853037
Ion	Ratio	Lower	Upper
63	100		
41	0.2	62.4	93.6#
62	17.7	52.8	79.2#



#53

Toluene

Concen: 0.030 ppbv

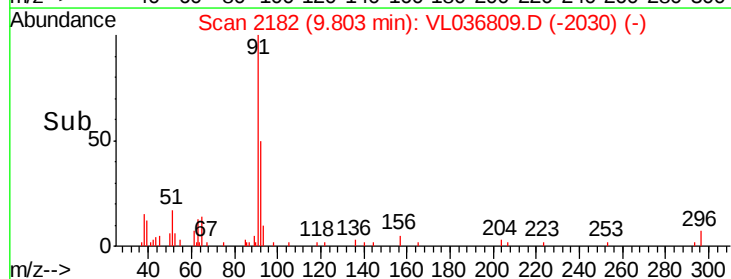
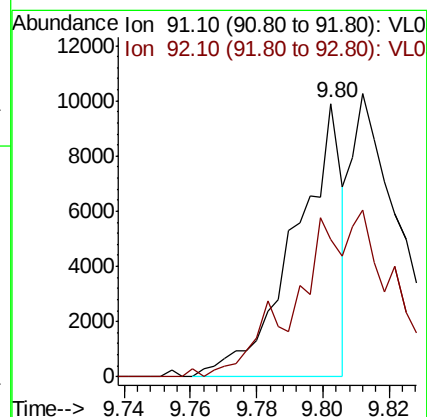
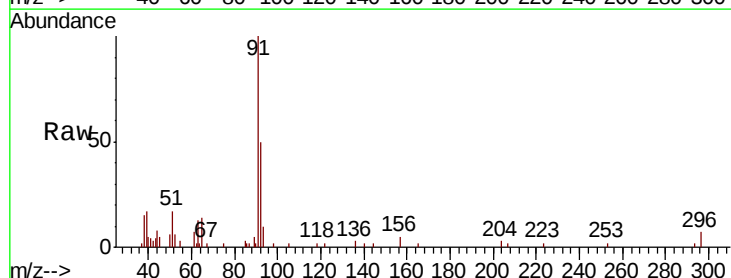
RT: 9.80 min Scan# 2182

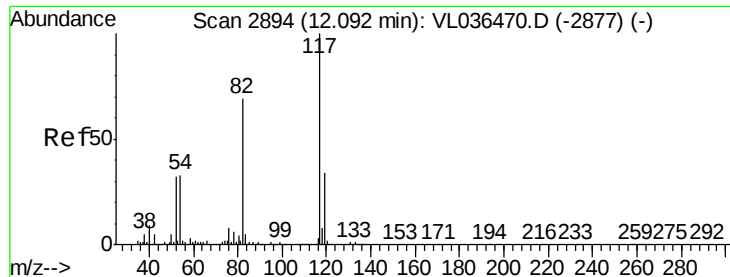
Delta R.T. -0.01 min

Lab File: VL036809.D

Acq: 13 Apr 2021 18:53

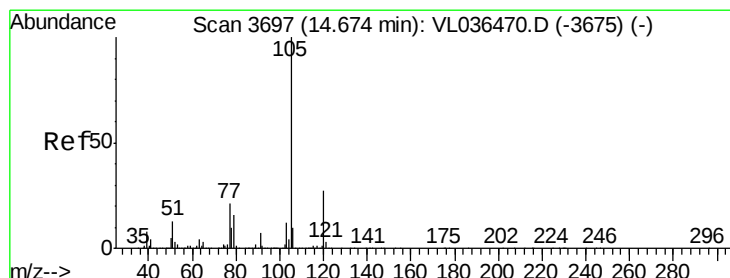
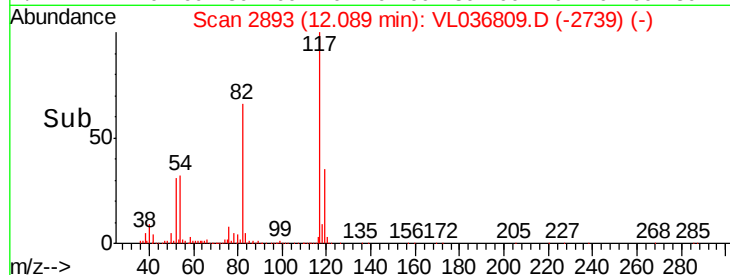
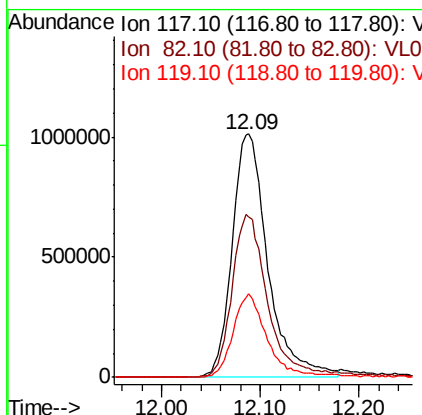
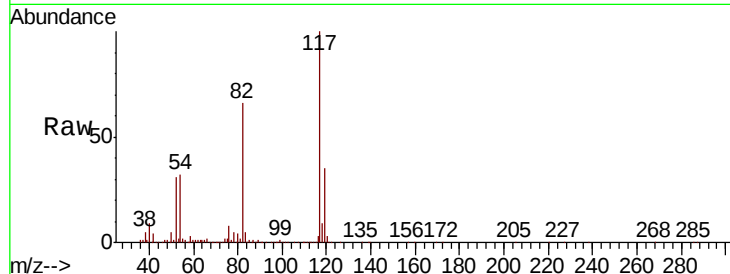
Tgt Ion:	91	Resp:	9729
Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.8	73.2#





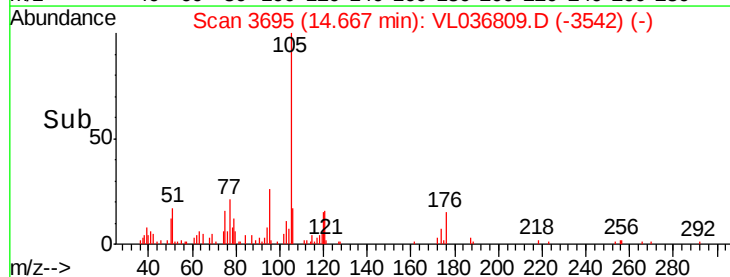
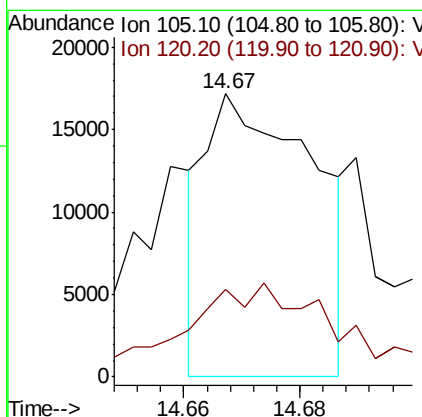
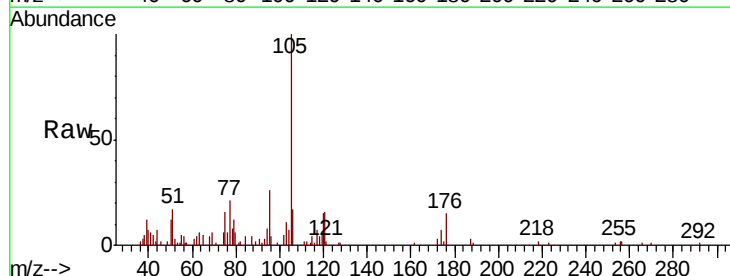
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 Apr 2021 18:55

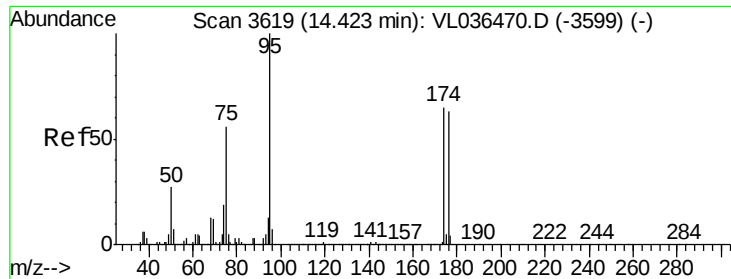
Tot Ion:117 Resp: 2546171
Ion Ratio Lower Upper
117 100
82 68.9 57.4 86.0
119 33.5 47.4 71.0#



#62
Isopropylbenzene
Concen: 0.052 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. -0.01 min
Lab File: VL036809.D
Acq: 13 Apr 2021 18:53

Tgt Ion:105 Resp: 22036
Ion Ratio Lower Upper
105 100
120 54.2 20.6 31.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 8.036 ppbv

RT: 14.42

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Apr 2021 18:33

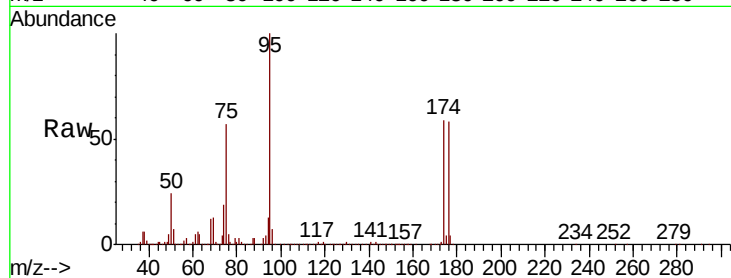
Tot Ion: 95 Resp: 1630825

Ion Ratio Lower Upper

95 100

174 70.0 51.0 76.6

175 4.7 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

