

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121620\
 Data File : VL036171.D
 Acq On : 16 Dec 2020 17:59
 Operator : SY/AP
 Sample : L5041-03DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 17 03:40:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1326525	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2745063	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.08	117	2489752	10.00	ppbv	-0.04

System Monitoring Compounds

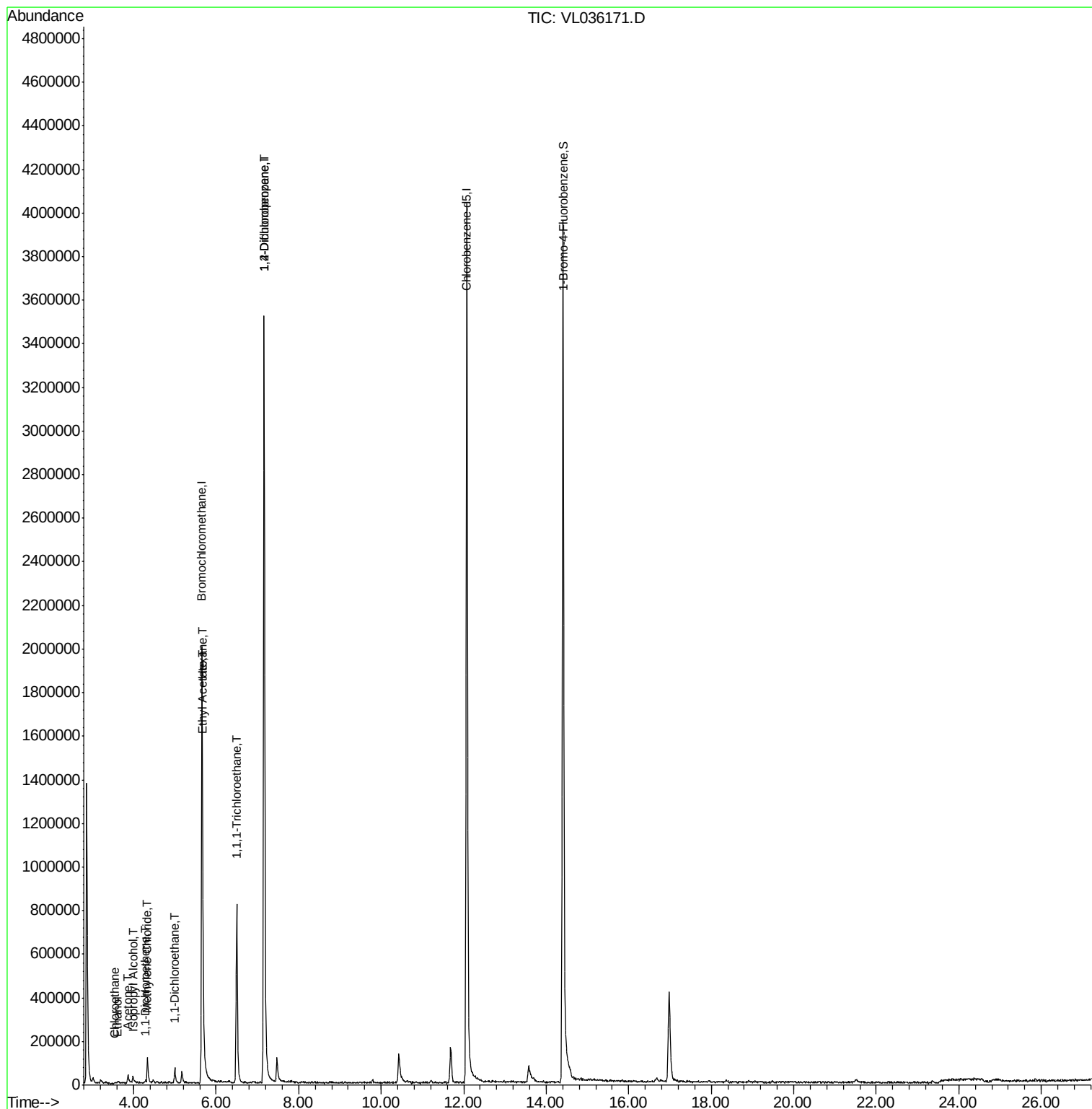
68) 1-Bromo-4-Fluorobenzene	14.41	95	2072563	10.48	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.80%

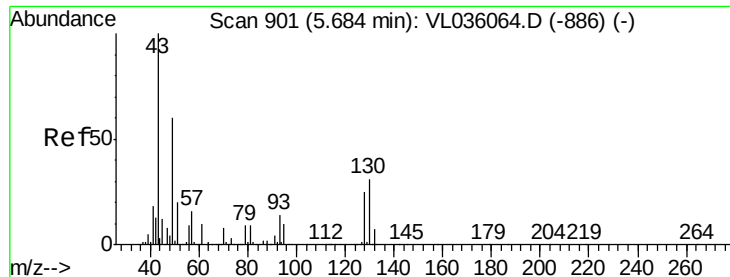
Target Compounds					Ovalue
7) Chloroethane	3.54	64	1262	0.045 ppbv	88
13) Ethanol	3.61	45	3803	0.364 ppbv #	1
15) Acetone	3.86	43	24286	0.152 ppbv #	1
18) 1,1-Dichloroethene	4.27	96	2373	0.043 ppbv #	11
19) Isopropyl Alcohol	3.98	45	22088	0.227 ppbv #	100
20) Methylene Chloride	4.33	84	46731	0.715 ppbv #	90
24) 1,1-Dichloroethane	5.00	63	56229	0.377 ppbv	99
25) Ethyl Acetate	5.68	43	17397	0.055 ppbv #	76
26) Hexane	5.67	57	36583	0.255 ppbv #	38
32) 1,1,1-Trichloroethane	6.50	97	543668	2.799 ppbv	95
39) 1,2-Dichloropropane	7.16	63	838147	9.123 ppbv #	24

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

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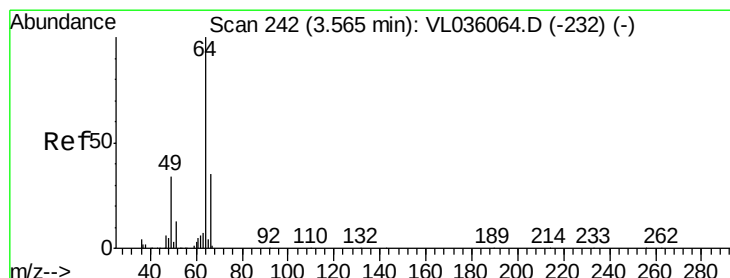
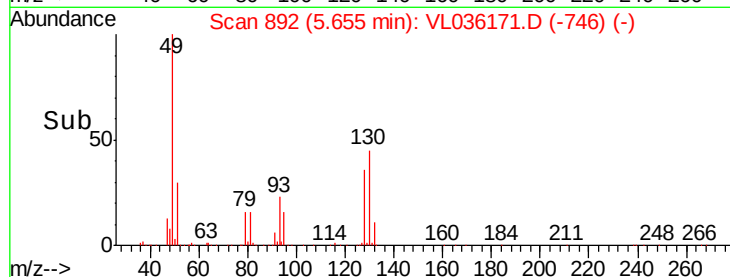
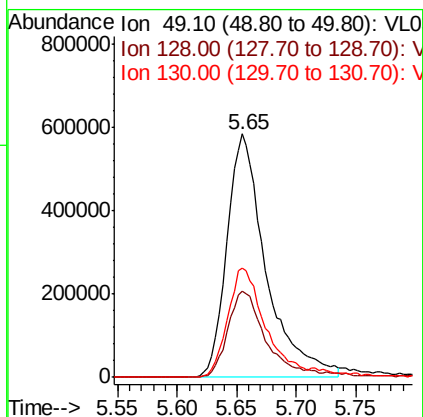
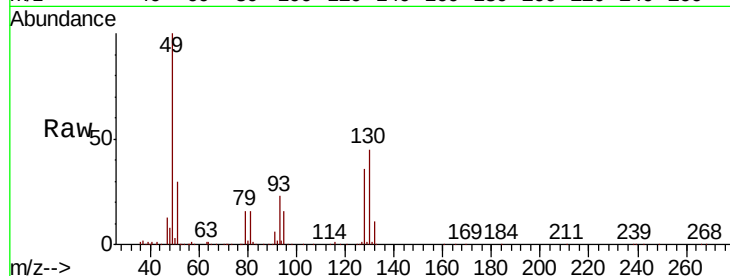




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.03 min
Lab File: VL036171.D
Acq: 16 Dec 2020 17:59

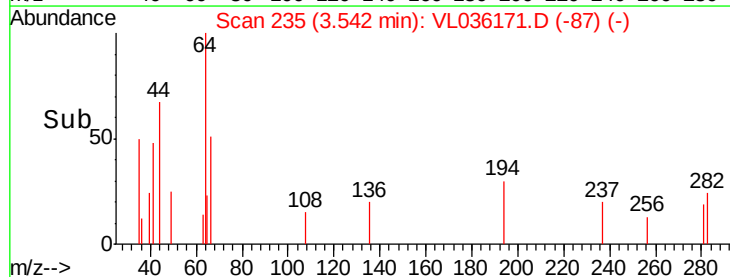
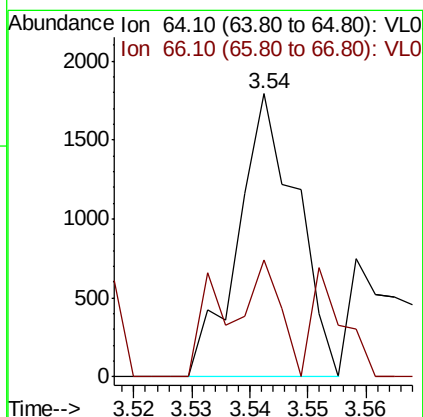
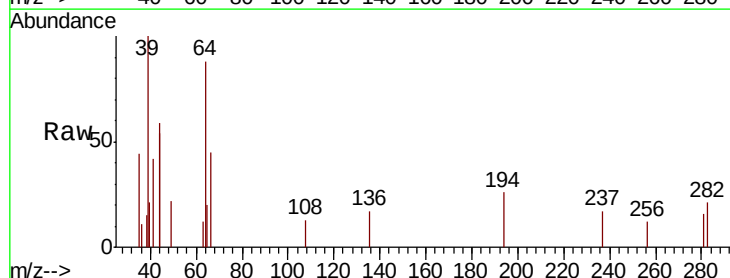
Instrument :
MSVOA_L
ClientSampled :

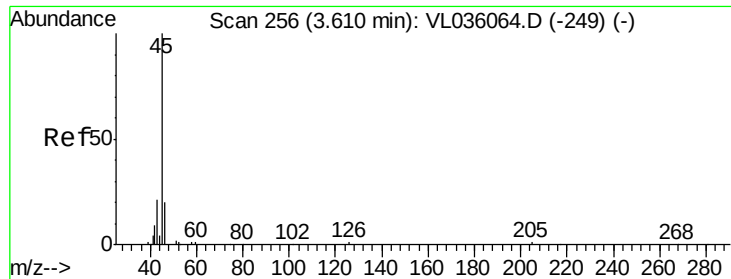
Tot Ion: 49 Resp: 1326525
Ion Ratio Lower Upper
49 100
128 36.7 21.1 63.1
130 46.4 27.1 81.3



#7
Chloroethane
Concen: 0.045 ppbv
RT: 3.54 min Scan# 235
Delta R.T. -0.02 min
Lab File: VL036171.D
Acq: 16 Dec 2020 17:59

Tgt Ion: 64 Resp: 1262
Ion Ratio Lower Upper
64 100
66 41.5 27.7 41.5

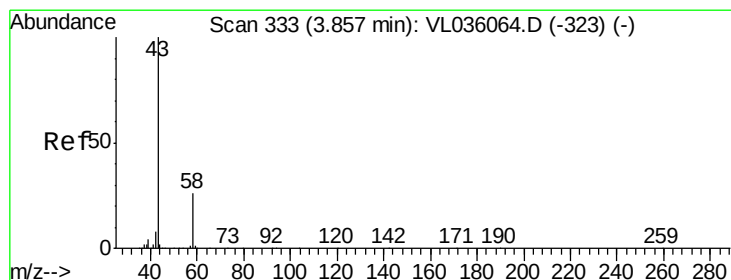
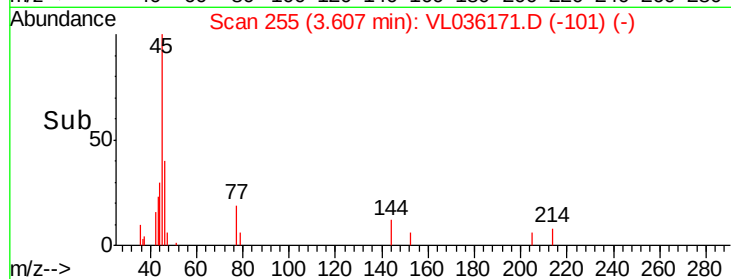
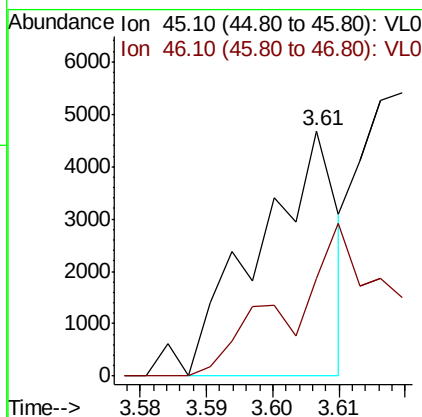
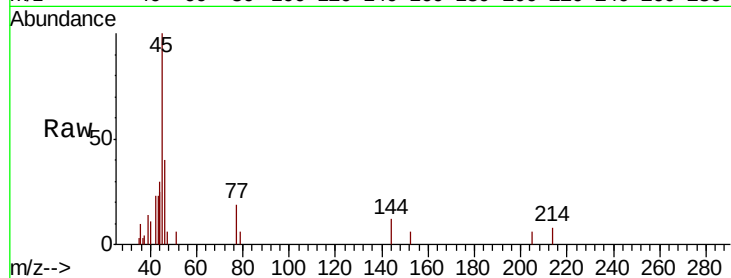




#13
Ethanol
Concen: 0.364 ppbv
RT: 3.61 min Scan# 255
Delta R.T. -0.00 min
Lab File: VL036171.D
Acq: 16 Dec 2020 17:59

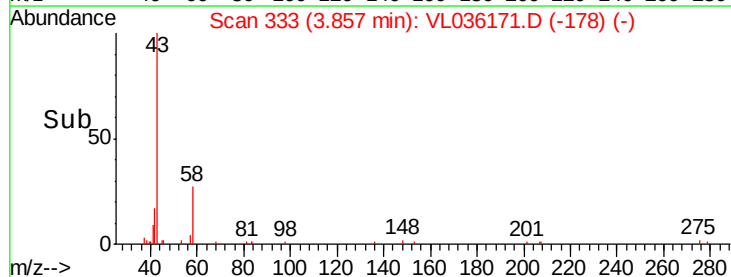
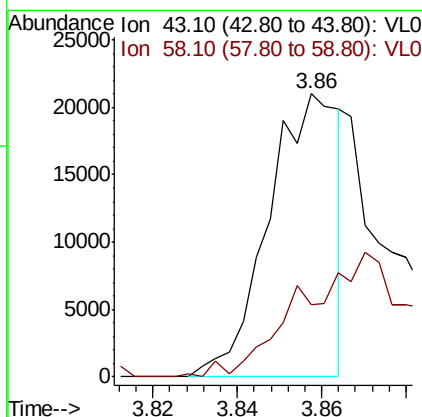
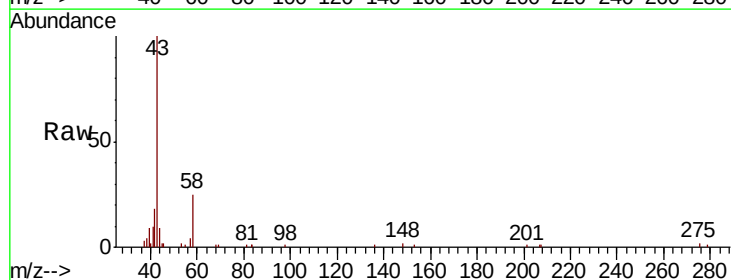
Instrument :
MSVOA_L
ClientSampled :

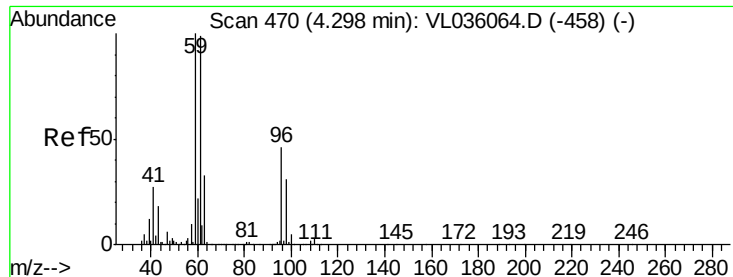
Tot Ion: 45 Resp: 3803
Ion Ratio Lower Upper
45 100
46 142.4 19.0 75.8#



#15
Acetone
Concen: 0.152 ppbv
RT: 3.86 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL036171.D
Acq: 16 Dec 2020 17:59

Tgt Ion: 43 Resp: 24286
Ion Ratio Lower Upper
43 100
58 79.9 20.9 31.3#

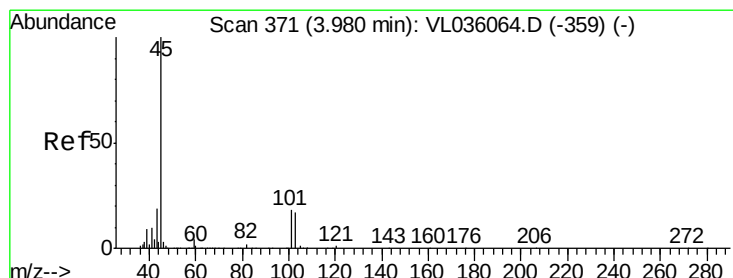
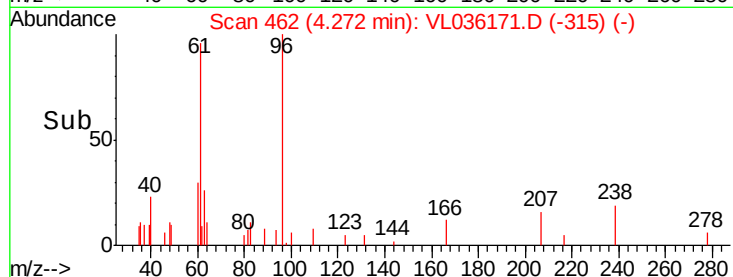
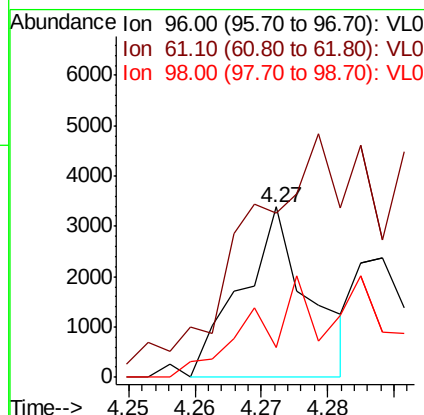
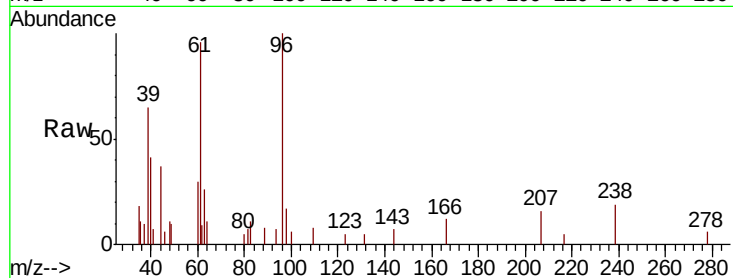




#18
 1,1-Dichloroethene
 Concen: 0.043 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. -0.03 min
 Lab File: VL036171.D
 Acq: 16 Dec 2020 17:59

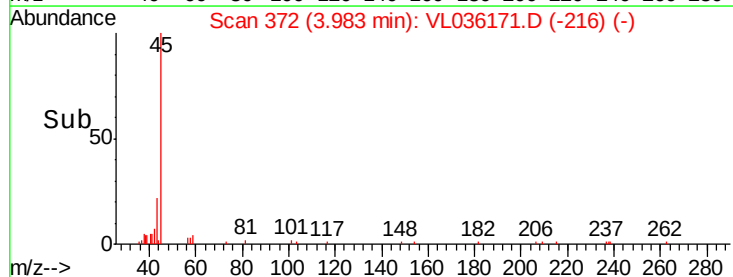
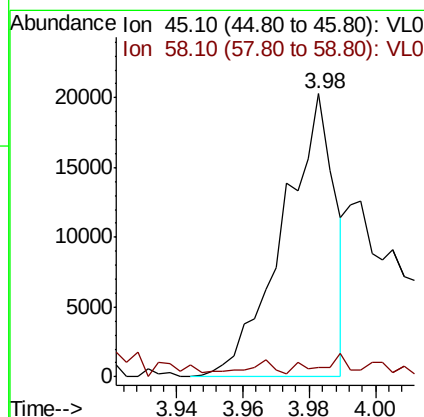
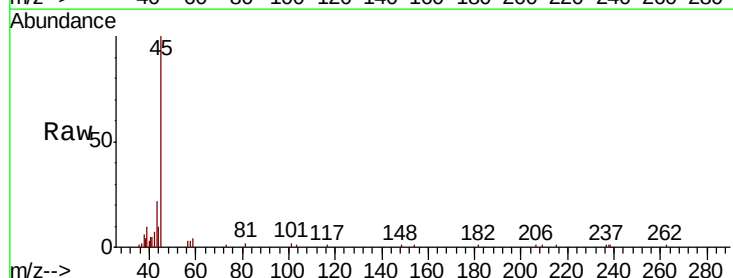
Instrument :
 MSVOA_L
 ClientSampleId :

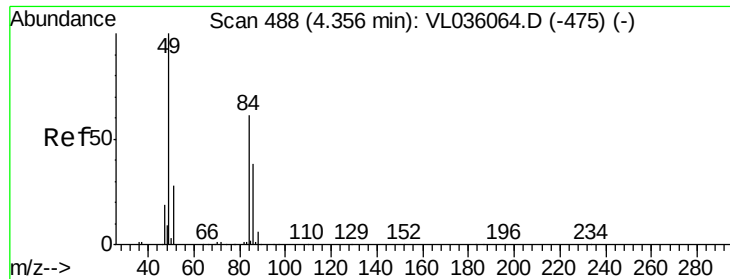
Tot Ion: 96 Resp: 2373
 Ion Ratio Lower Upper
 96 100
 61 66.6 171.4 257.2#
 98 7.8 54.2 81.2#



#19
 Isopropyl Alcohol
 Concen: 0.227 ppbv
 RT: 3.98 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VL036171.D
 Acq: 16 Dec 2020 17:59

Tgt Ion: 45 Resp: 22088
 Ion Ratio Lower Upper
 45 100
 58 10.1 0.0 0.0#

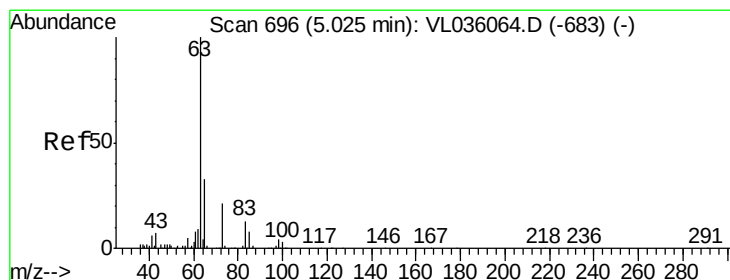
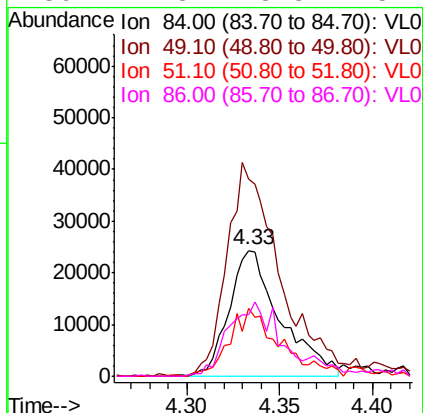
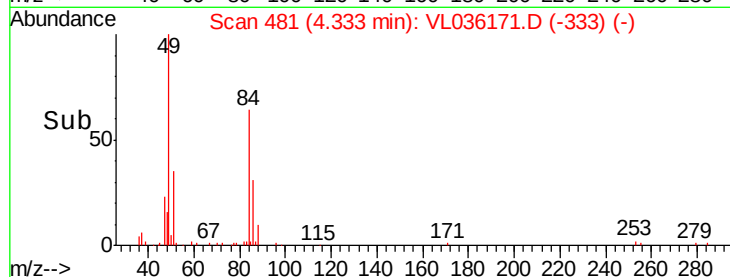
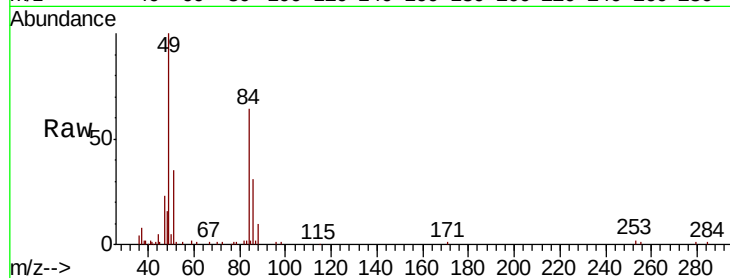




#20
Methylene Chloride
Concen: 0.715 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.02 min
Lab File: VL036171.D
Acq: 16 Dec 2020 17:59

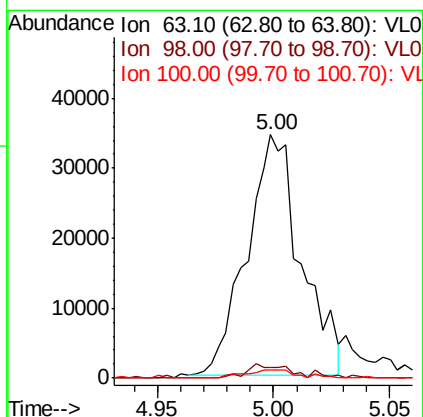
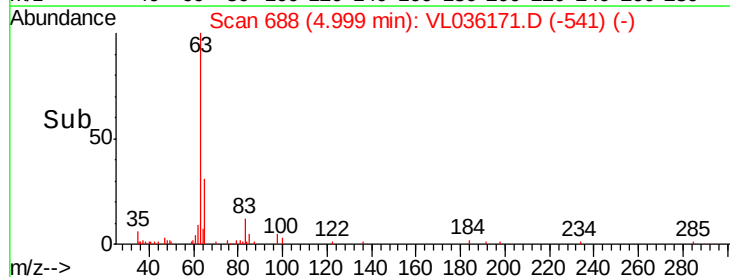
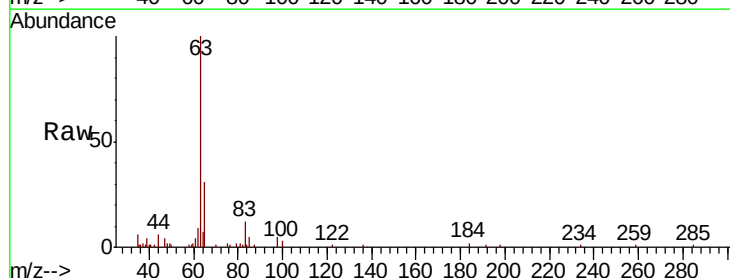
Instrument :
MSVOA_L
ClientSampleId :

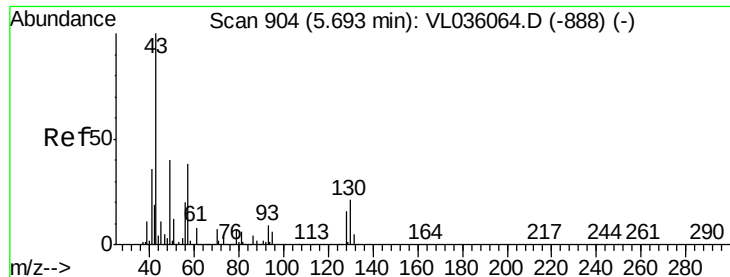
Tot Ion	Ratio	Lower	Upper
84	100		
49	155.4	133.0	199.4
51	54.1	38.9	58.3
86	47.3	48.8	73.2#



#24
1,1-Dichloroethane
Concen: 0.377 ppbv
RT: 5.00 min Scan# 688
Delta R.T. -0.03 min
Lab File: VL036171.D
Acq: 16 Dec 2020 17:59

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.2	6.6
100	3.3	1.5	4.4

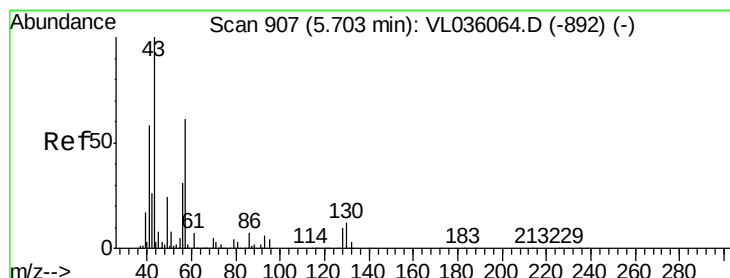
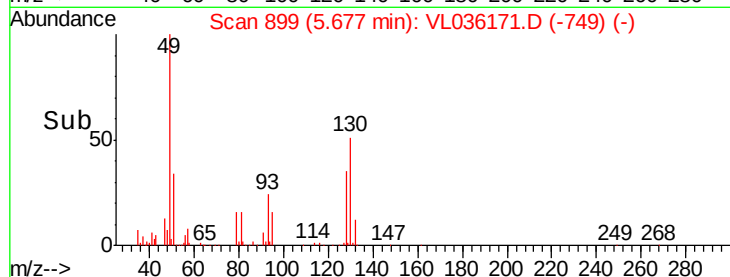
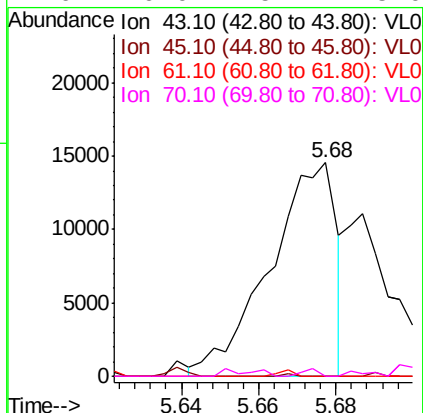
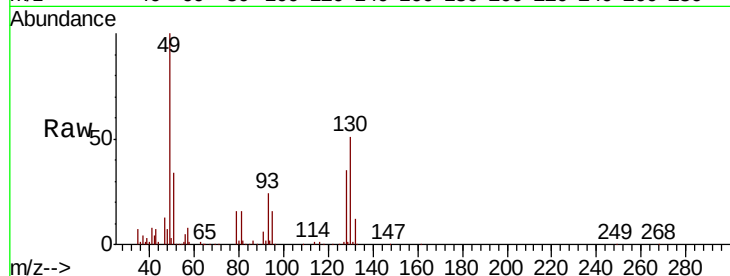




#25
Ethyl Acetate
Concen: 0.055 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.02 min
Lab File: VL036171.D
Acq: 16 Dec 2020 17:59

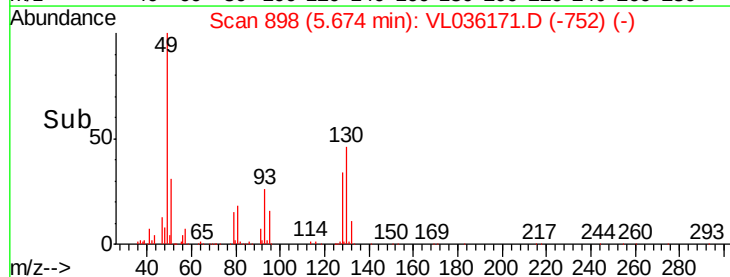
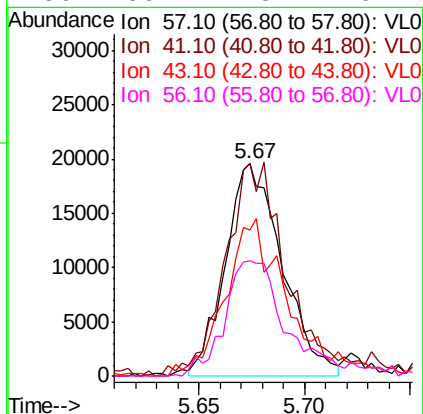
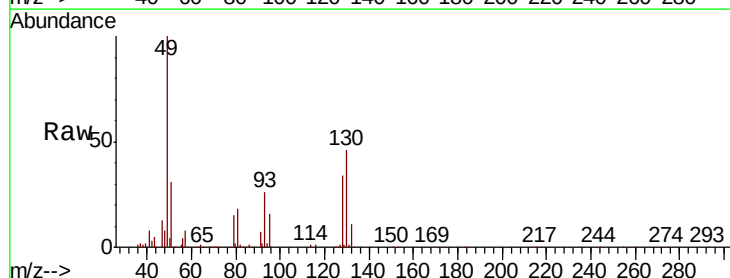
Instrument :
MSVOA_L
ClientSampleId :

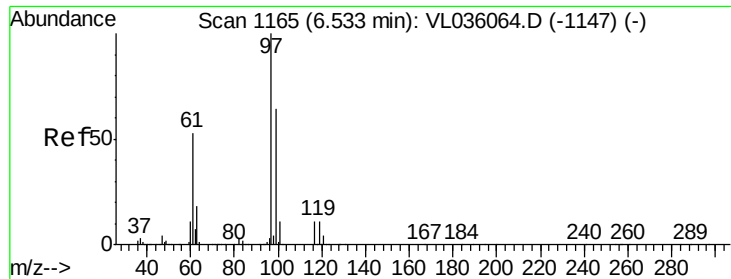
Tot Ion:	43	Resp:	17397
Ion	Ratio	Lower	Upper
43	100		
45	0.2	8.2	12.4#
61	0.7	7.4	11.2#
70	0.0	5.4	8.0#



#26
Hexane
Concen: 0.255 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.03 min
Lab File: VL036171.D
Acq: 16 Dec 2020 17:59

Tgt Ion:	57	Resp:	36583
Ion	Ratio	Lower	Upper
57	100		
41	115.1	82.9	124.3
43	84.6	199.9	299.9#
56	60.7	43.1	64.7

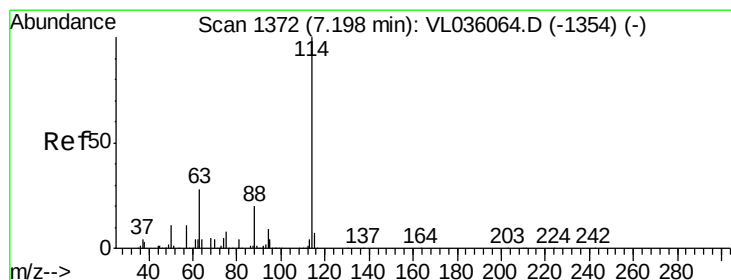
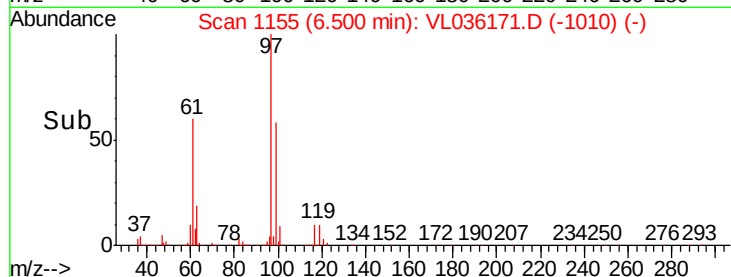
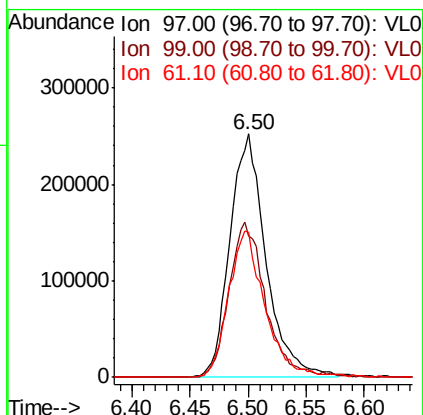
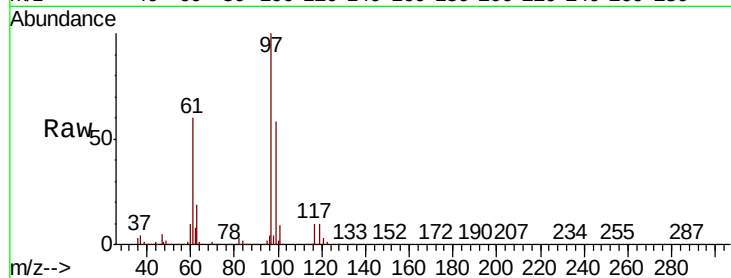




#32
 1,1,1-Trichloroethane
 Concen: 2.799 ppbv
 RT: 6.50 min Scan# 1155
 Delta R.T. -0.03 min
 Lab File: VL036171.D
 Acq: 16 Dec 2020 17:59

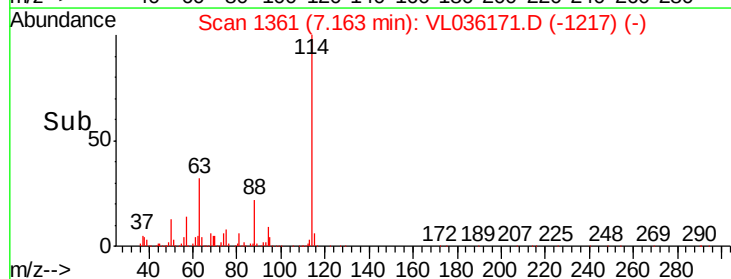
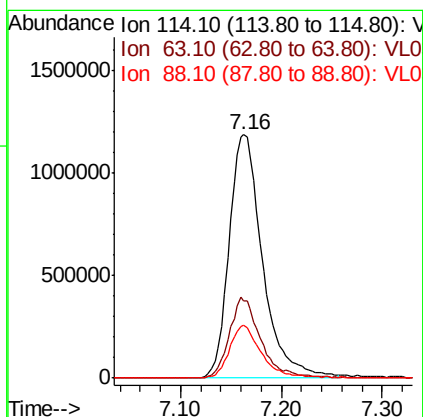
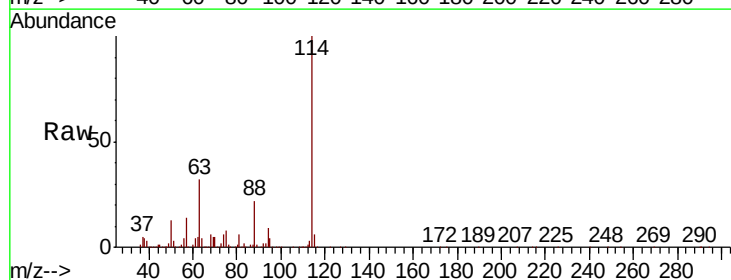
Instrument :
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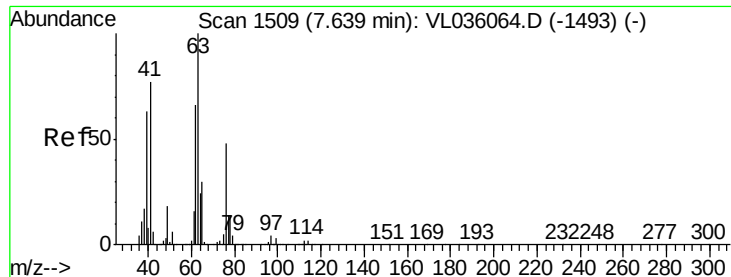
Tot Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.4	78.6
61	61.2	43.4	65.0



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.04 min
 Lab File: VL036171.D
 Acq: 16 Dec 2020 17:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	31.8	23.6	35.4
88	20.8	15.8	23.6

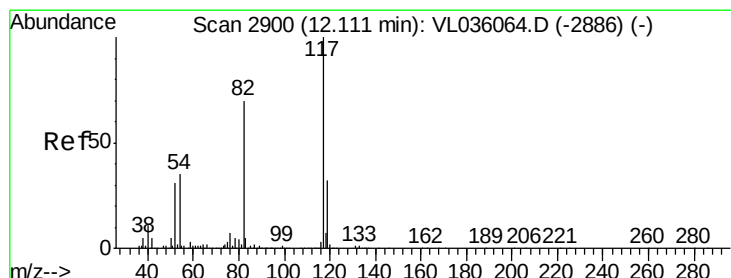
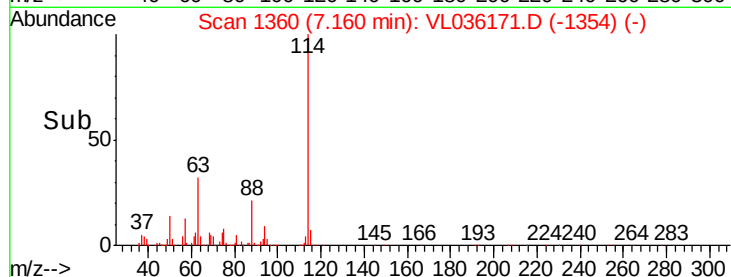
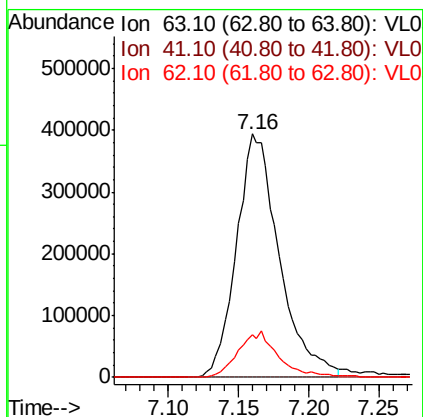
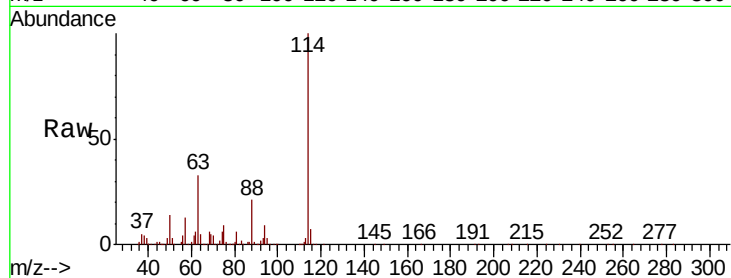




#39
 1,2-Dichloropropane
 Concen: 9.123 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.48 min
 Lab File: VL036171.D
 Acq: 16 Dec 2020 17:59

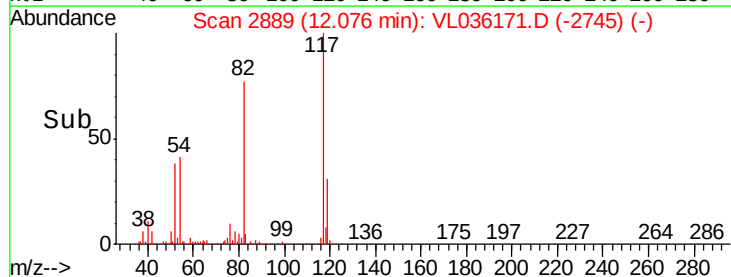
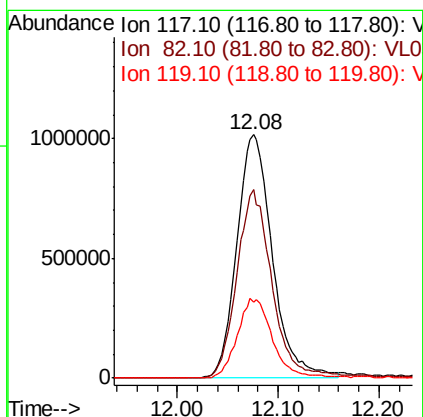
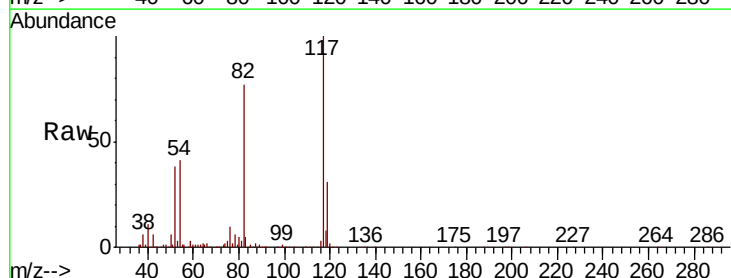
Instrument :
 MSVOA_L
 ClientSampled :

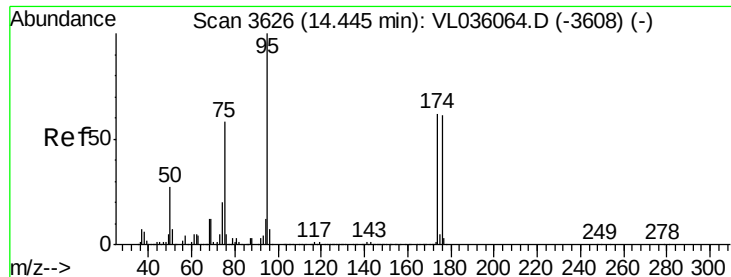
Tot Ion: 63 Resp: 838147
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.9 92.9#
 62 17.5 52.5 78.7#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min Scan# 2889
 Delta R.T. -0.04 min
 Lab File: VL036171.D
 Acq: 16 Dec 2020 17:59

Tgt Ion: 117 Resp: 2489752
 Ion Ratio Lower Upper
 117 100
 82 77.7 0.0 0.0#
 119 32.3 0.0 0.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.484 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.04 min

Lab File: VL036171.D

Acq: 16 Dec 2020 17:59

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2072563

Ion Ratio Lower Upper

95 100

174 58.9 50.7 76.1

175 4.2 4.0 6.0

