

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012821\
 Data File : VL036279.D
 Acq On : 28 Jan 2021 19:54
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 29 02:27:25 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1553038	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3276940	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3000798	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2471522	9.95	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

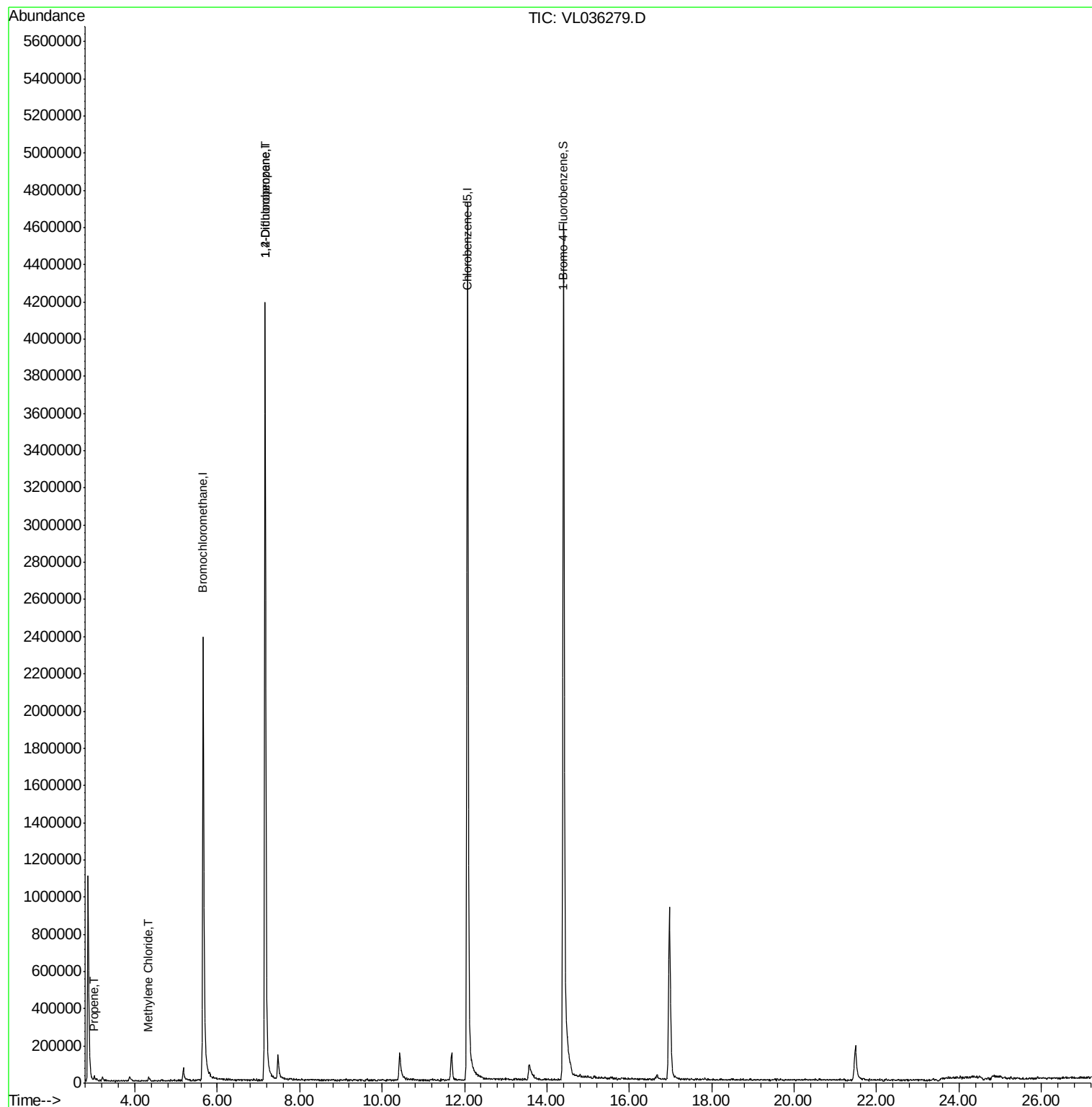
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	2768	0.030	ppbv #	1
20) Methylene Chloride	4.34	84	3450	0.057	ppbv #	73
39) 1,2-Dichloropropane	7.16	63	996796	8.176	ppbv #	21

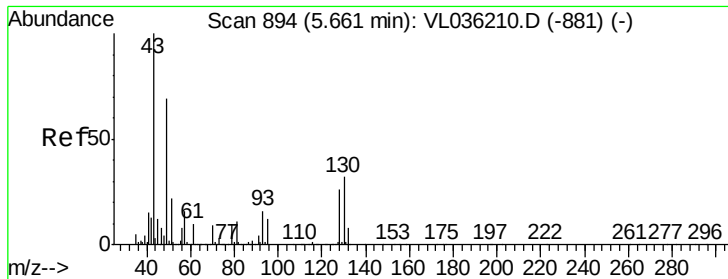
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 14 16:13:38 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL036279.D

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MSVOA_L

ClientSampleId :

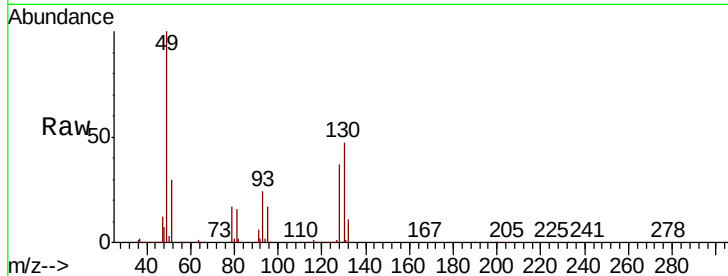
Tot Ion: 49 Resp: 1553038

Ion Ratio Lower Upper

49 100

128 40.4 20.1 60.2

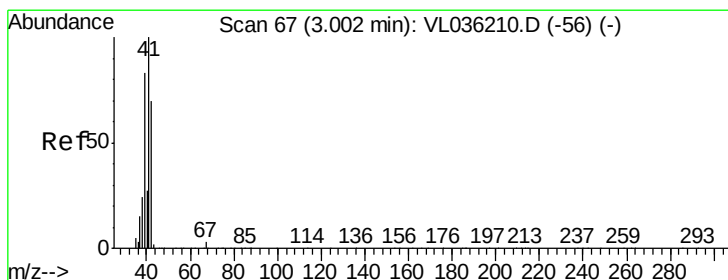
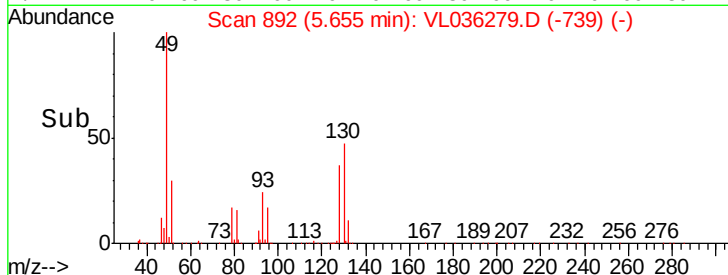
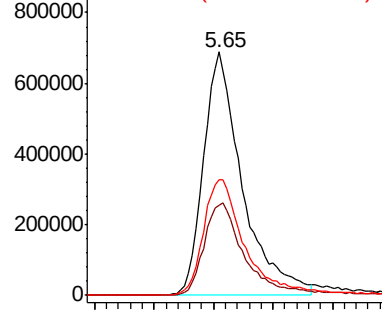
130 52.3 25.3 75.9



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: 0.030 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL036279.D

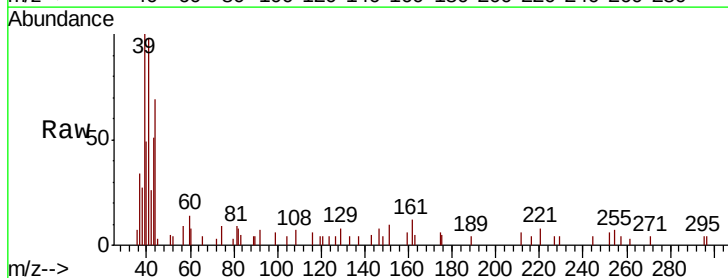
Acq: 28 Jan 2021 19:54

Tgt Ion: 41 Resp: 2768

Ion Ratio Lower Upper

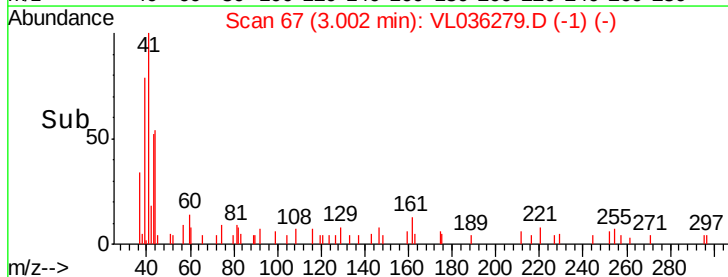
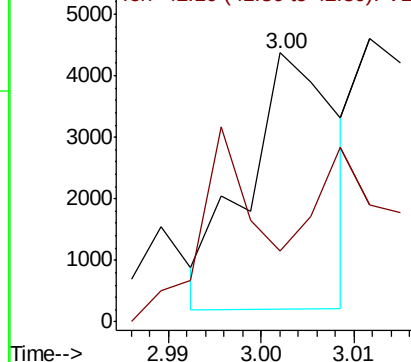
41 100

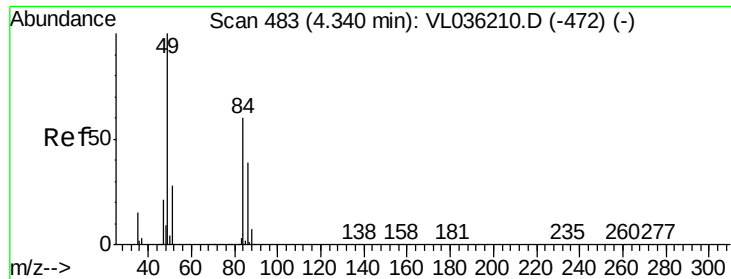
42 178.5 57.1 85.7#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

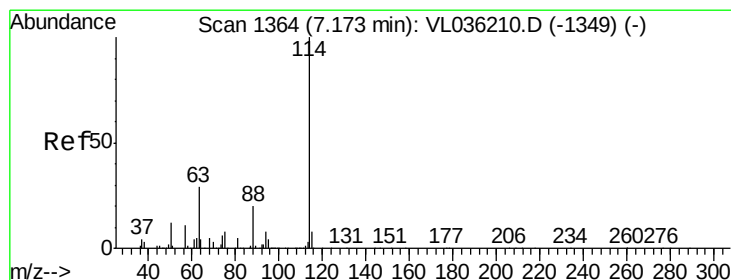
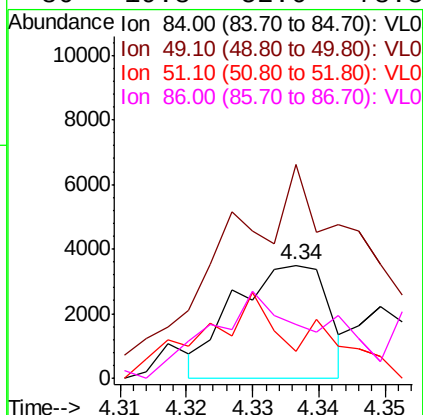
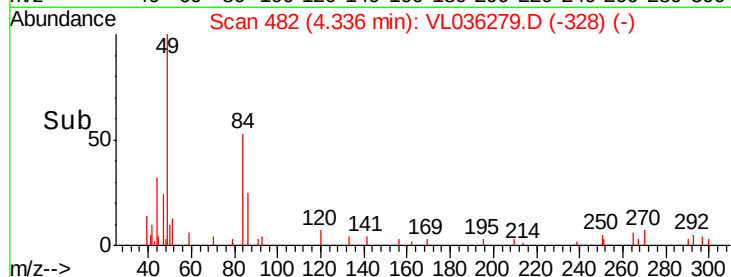
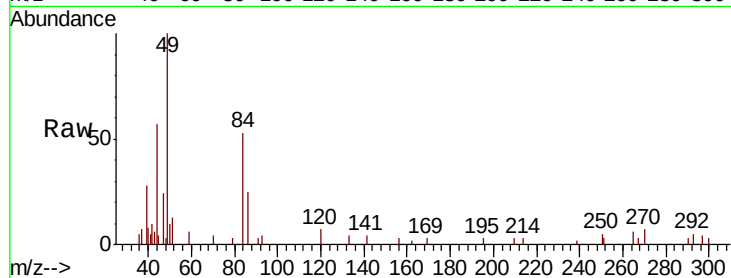




#20
Methylene Chloride
Concen: 0.057 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL036279.D
Acq: 28 Jan 2021 19:54

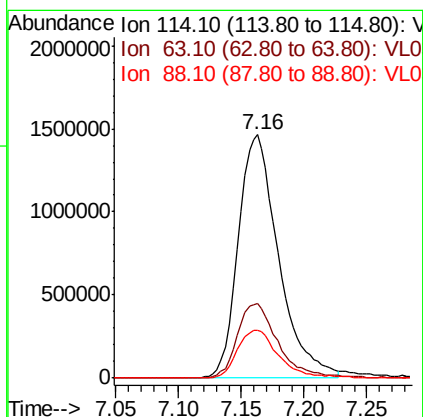
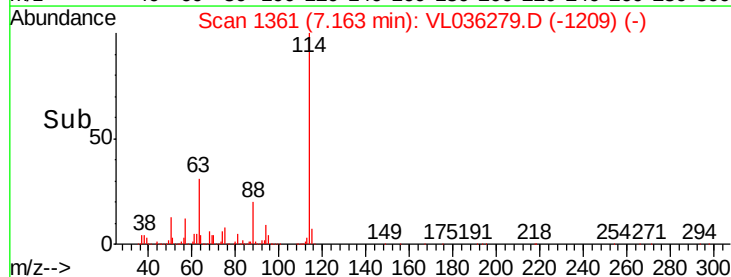
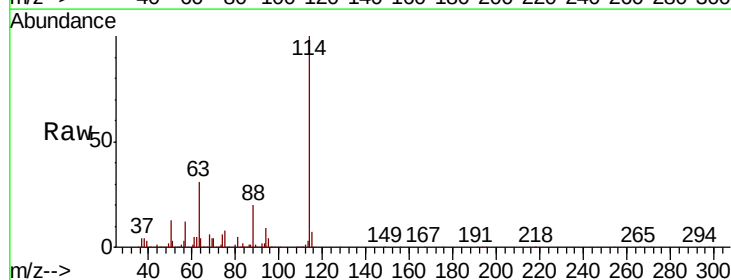
Instrument :
MSVOA_L
ClientSampleId :

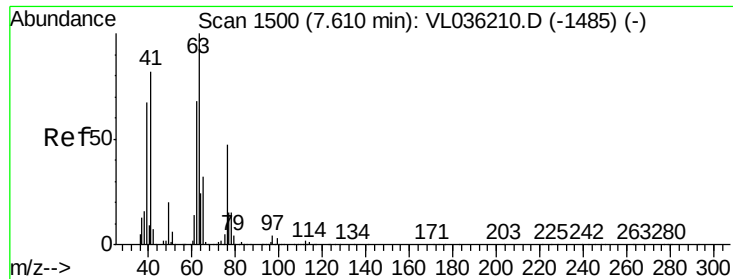
Tot Ion: 84 Resp: 3450
Ion Ratio Lower Upper
84 100
49 164.7 134.1 201.1
51 0.0 37.4 56.0#
86 19.8 52.6 78.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.01 min
Lab File: VL036279.D
Acq: 28 Jan 2021 19:54

Tgt Ion: 114 Resp: 3276940
Ion Ratio Lower Upper
114 100
63 31.1 24.7 37.1
88 20.6 16.6 24.8

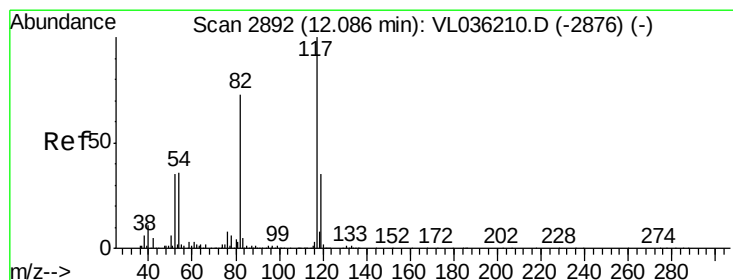
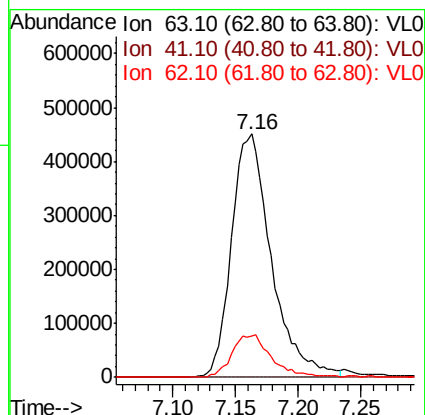
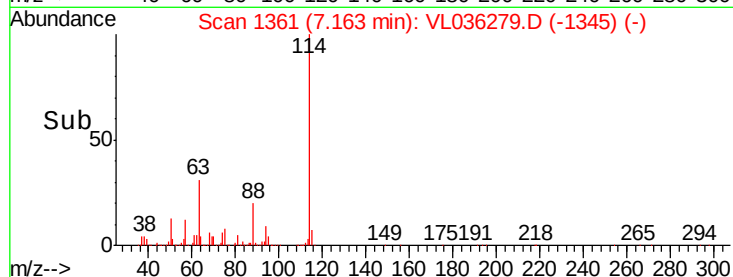
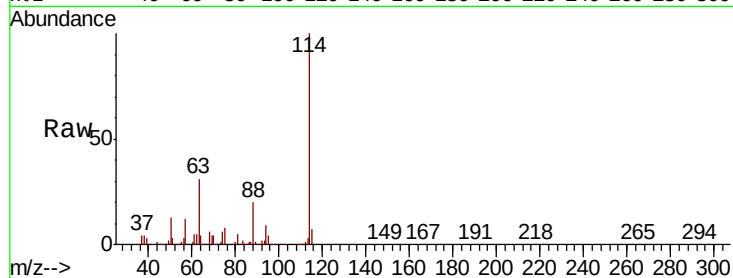




#39
 1,2-Dichloropropane
 Concen: 8.176 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.45 min
 Lab File: VL036279.D
 Acq: 28 Jan 2021 19:54

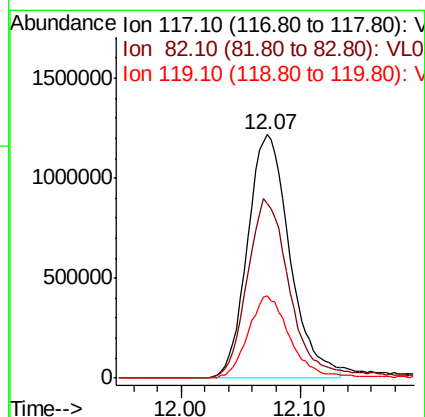
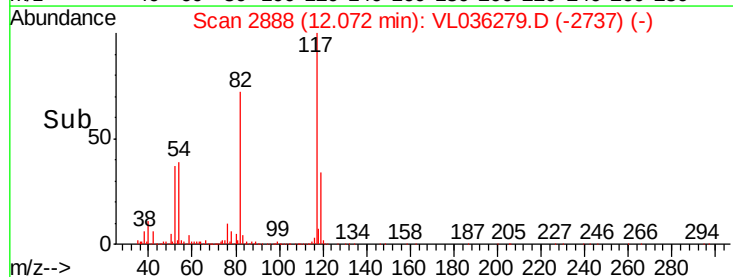
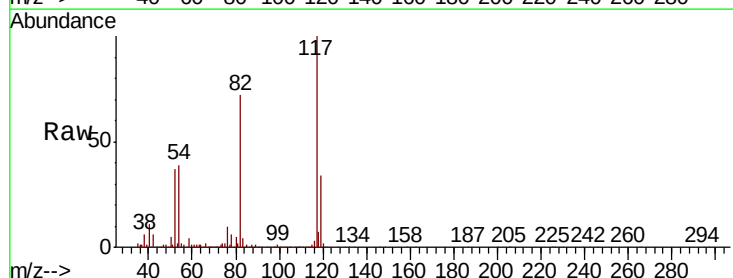
Instrument :
 MSVOA_L
 ClientSampleId :

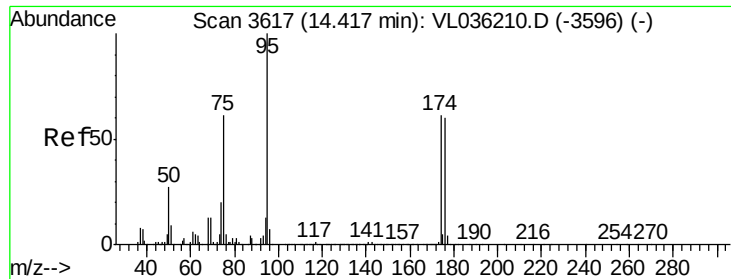
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	66.1	99.1#
62	16.9	54.8	82.2#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2888
 Delta R.T. -0.01 min
 Lab File: VL036279.D
 Acq: 28 Jan 2021 19:54

Tgt Ion	Ratio	Lower	Upper
117	100		
82	77.4	59.7	89.5
119	34.6	28.6	43.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.950 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.01 min

Lab File: VL036279.D

Acq: 28 Jan 2021 19:54

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2471522

Ion Ratio Lower Upper

95 100

174 65.4 49.4 74.0

175 4.7 3.8 5.8

