

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022521\
 Data File : VL036378.D
 Acq On : 25 Feb 2021 12:17
 Operator : SY/AP
 Sample : VL0225ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 26 00:35:03 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1590606	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	3566551	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3195934	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2697662	10.26	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

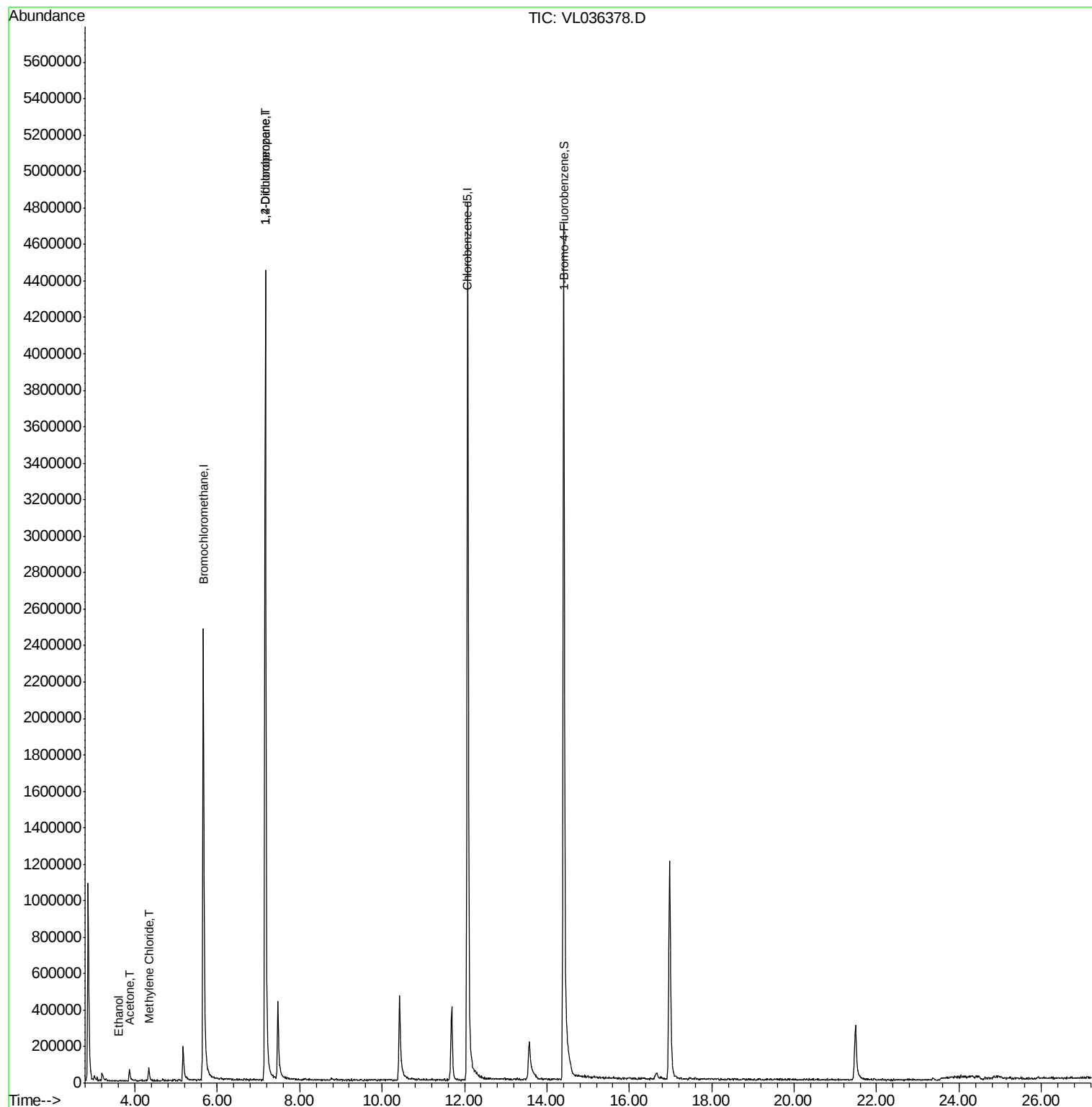
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.60	45	510	0.037	ppbv #	53
15) Acetone	3.86	43	41608	0.214	ppbv #	1
20) Methylene Chloride	4.33	84	13235	0.211	ppbv #	73
39) 1,2-Dichloropropane	7.17	63	1001895	8.141	ppbv #	23

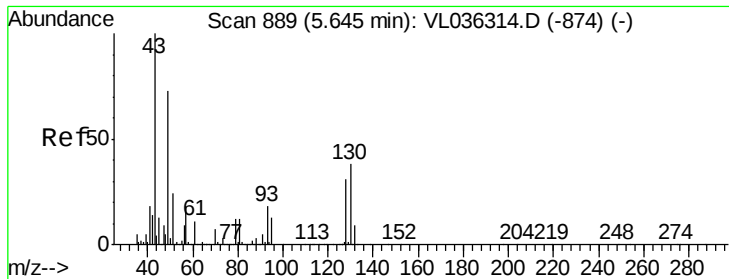
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

Lab File: VL036378.D

Acq: 25 Feb 2021 12:17

Instrument :
MSVOA_L
ClientSampled :

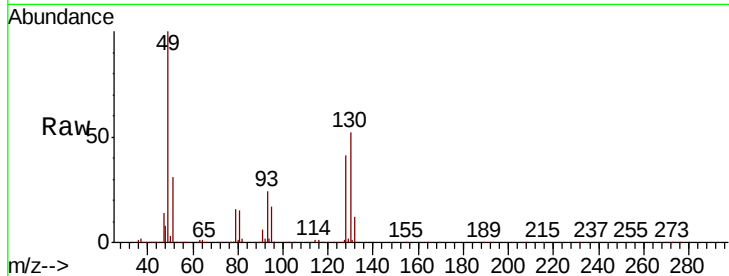
Tot Ion: 49 Resp: 1590606

Ion Ratio Lower Upper

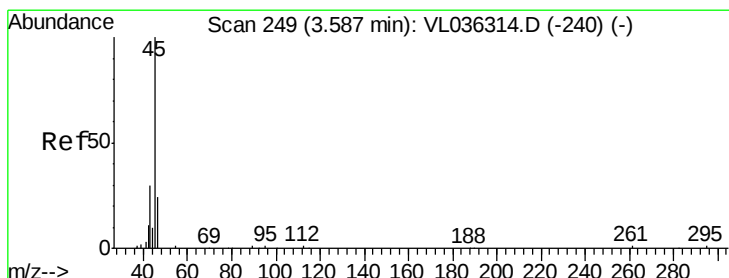
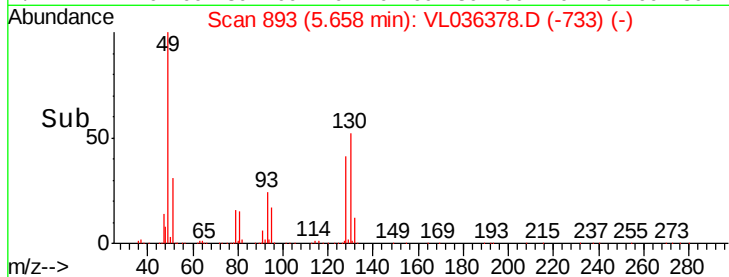
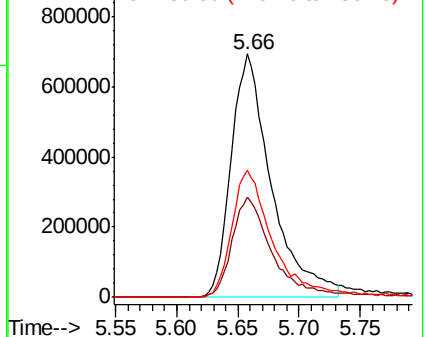
49 100

128 43.3 20.8 62.5

130 54.9 26.7 80.1



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



#13

Ethanol

Concen: 0.037 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.02 min

Lab File: VL036378.D

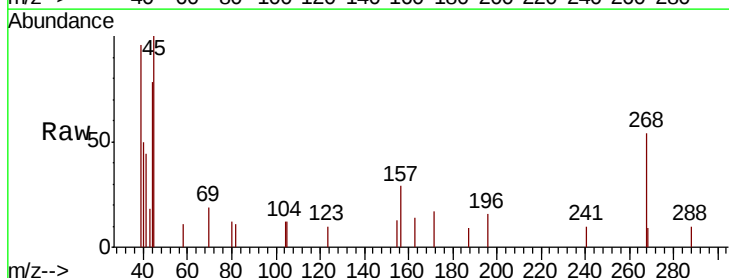
Acq: 25 Feb 2021 12:17

Tgt Ion: 45 Resp: 510

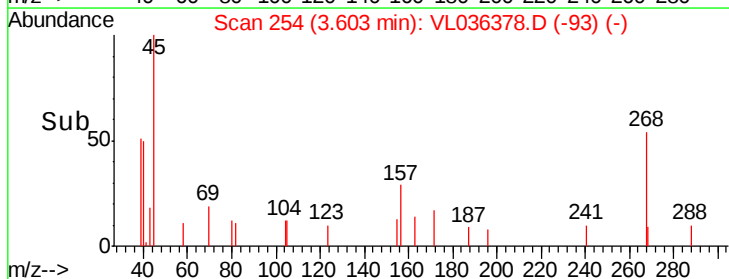
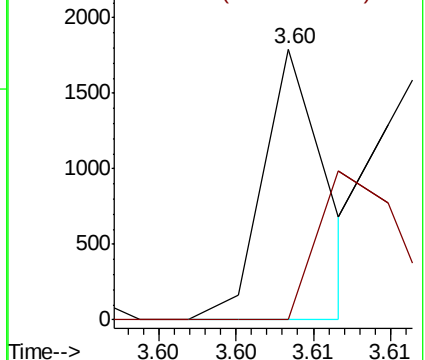
Ion Ratio Lower Upper

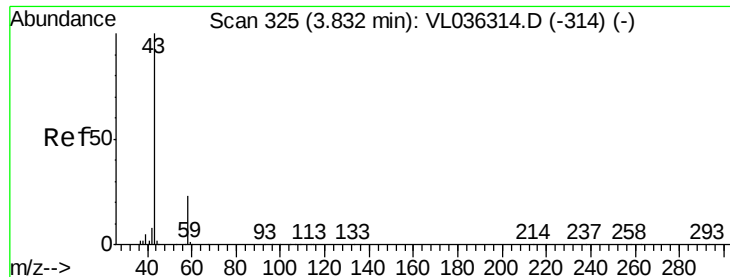
45 100

46 74.5 17.7 70.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 46.10 (45.80 to 46.80): VL0

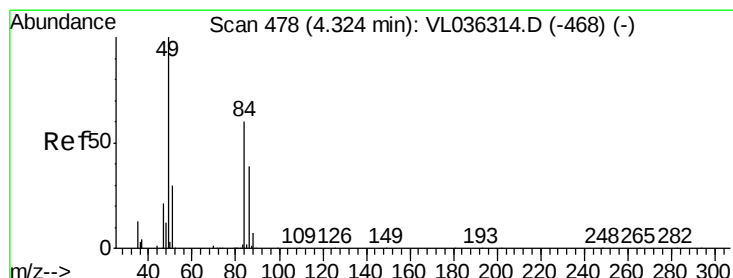
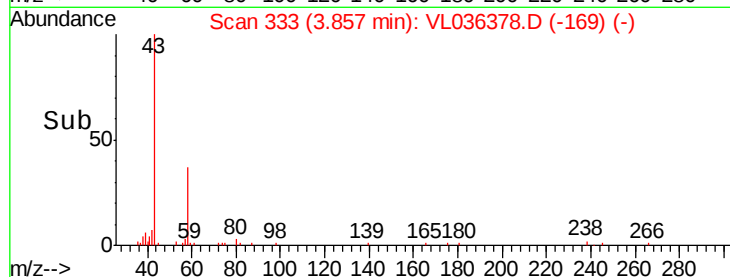
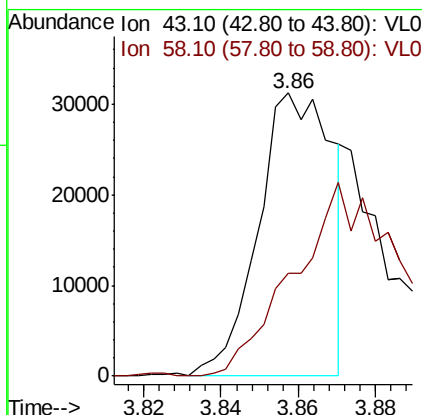
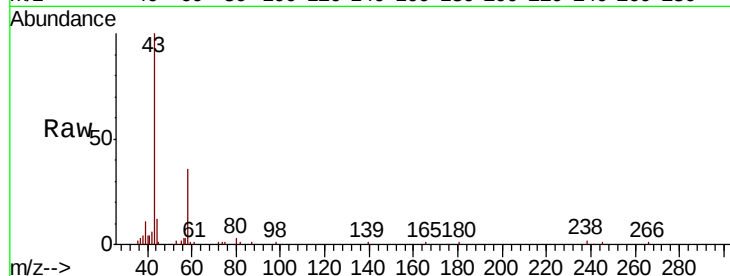




#15
Acetone
Concen: 0.214 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.03 min
Lab File: VL036378.D
Acq: 25 Feb 2021 12:17

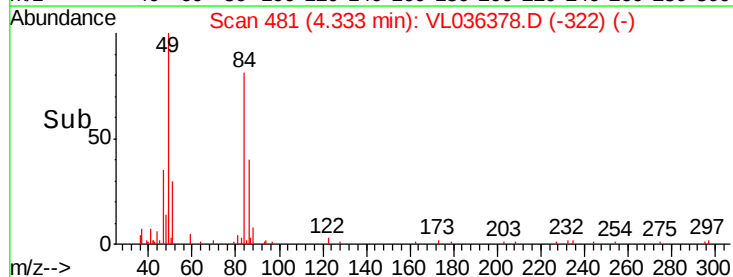
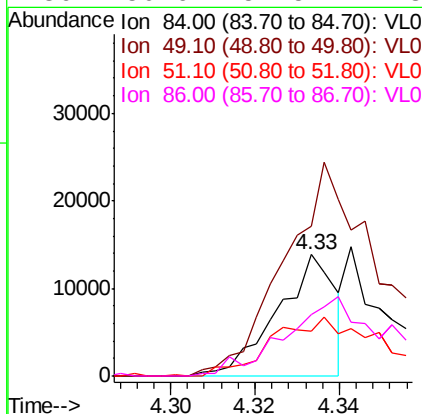
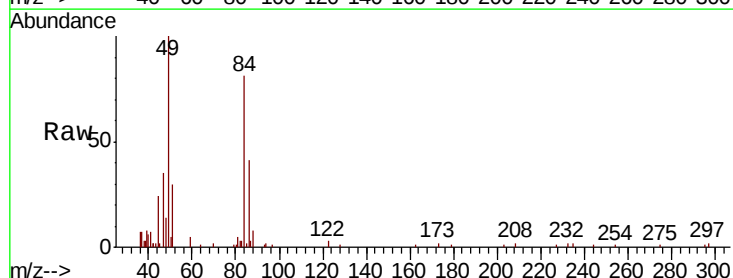
Instrument :
MSVOA_L
ClientSampleId :

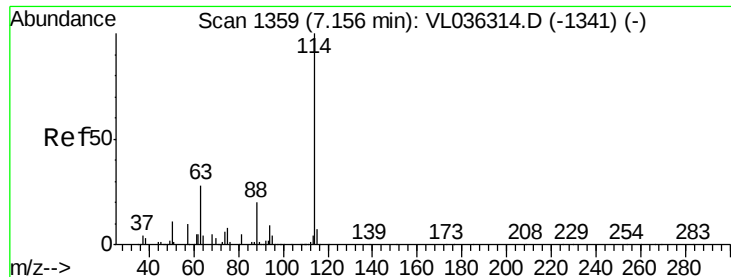
Tot Ion: 43 Resp: 41608
Ion Ratio Lower Upper
43 100
58 125.3 20.3 30.5#



#20
Methylene Chloride
Concen: 0.211 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: VL036378.D
Acq: 25 Feb 2021 12:17

Tgt Ion: 84 Resp: 13235
Ion Ratio Lower Upper
84 100
49 123.1 133.8 200.8#
51 37.1 41.4 62.0#
86 50.6 51.5 77.3#

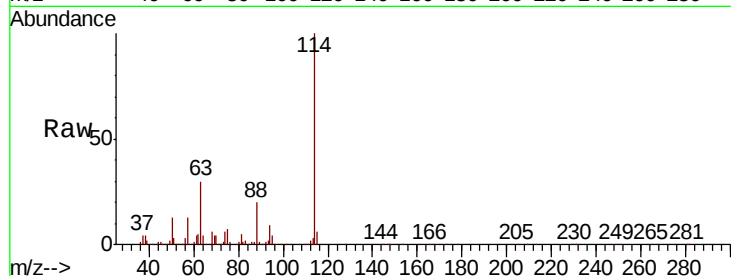




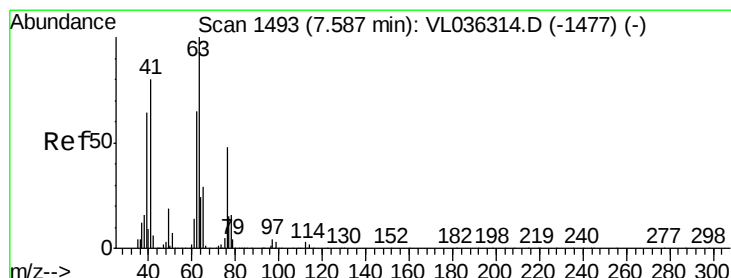
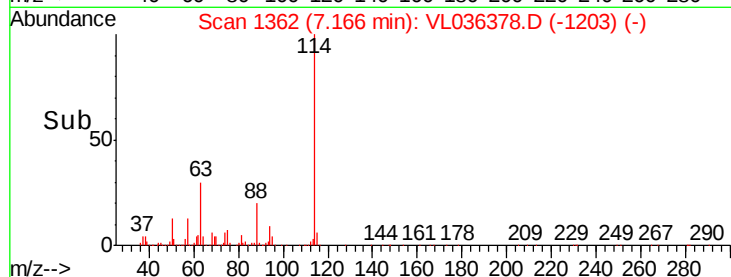
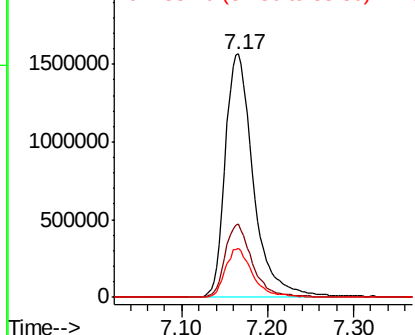
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. 0.01 min
 Lab File: VL036378.D
 Acq: 25 Feb 2021 12:17

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3566551
 Ion Ratio Lower Upper
 114 100
 63 29.3 24.1 36.1
 88 19.7 16.0 24.0

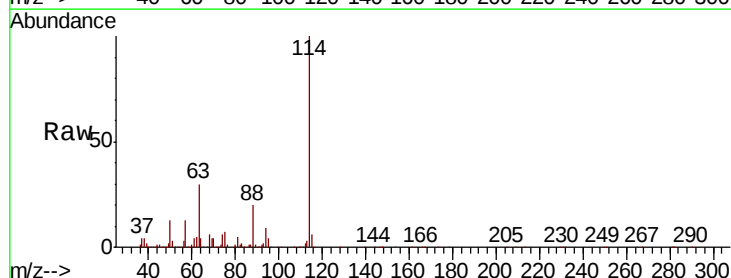


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

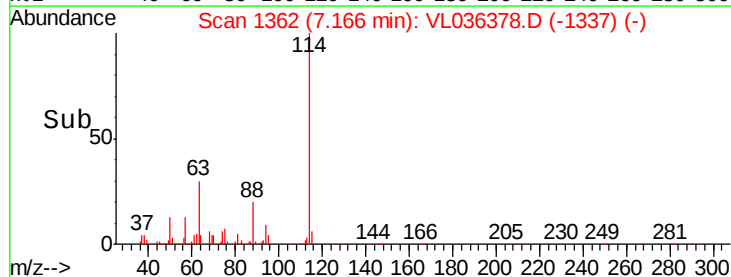
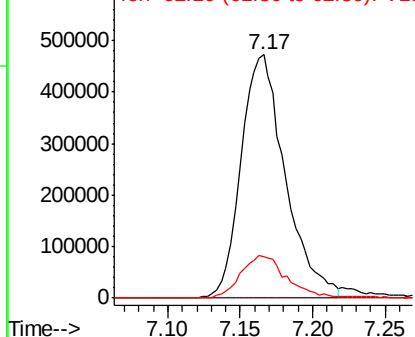


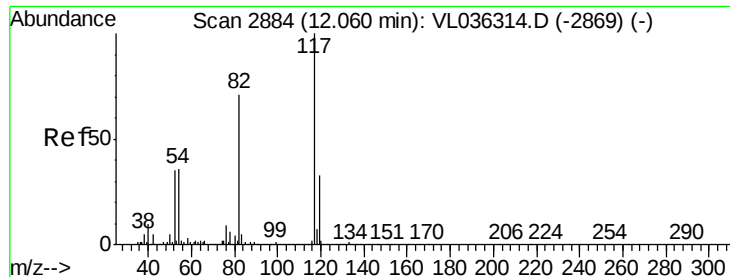
#39
 1,2-Dichloropropane
 Concen: 8.141 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.42 min
 Lab File: VL036378.D
 Acq: 25 Feb 2021 12:17

Tgt Ion: 63 Resp: 1001895
 Ion Ratio Lower Upper
 63 100
 41 0.2 63.8 95.6#
 62 17.1 52.3 78.5#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

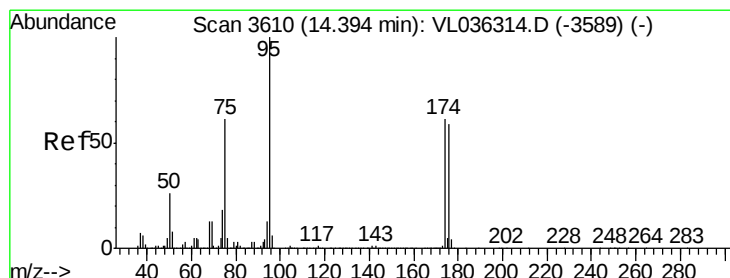
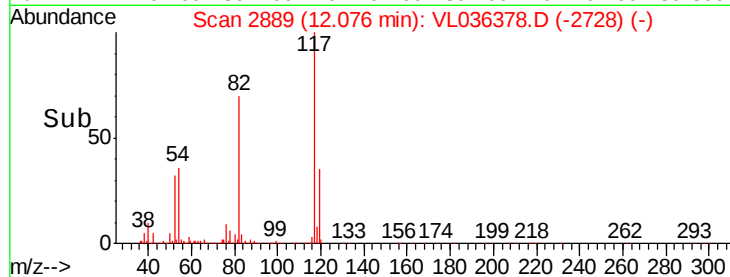
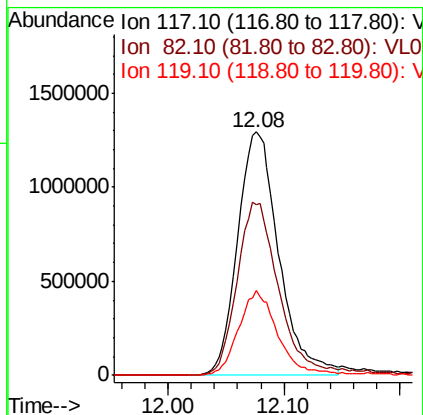
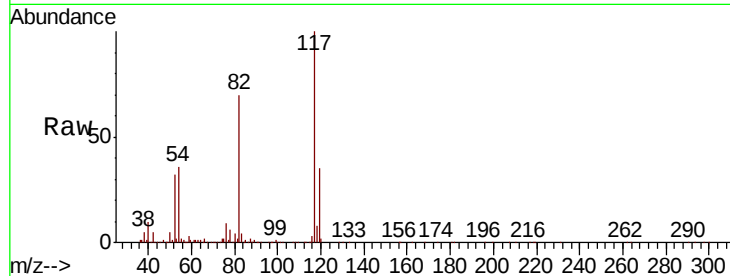




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. 0.02 min
Lab File: VL036378.D
Acq: 25 Feb 2021 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3195934
Ion Ratio Lower Upper
117 100
82 74.2 59.1 88.7
119 34.0 46.3 69.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.259 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. 0.01 min
Lab File: VL036378.D
Acq: 25 Feb 2021 12:17

Tgt Ion: 95 Resp: 2697662
Ion Ratio Lower Upper
95 100
174 62.2 49.8 74.6
175 4.6 3.7 5.5

