

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036240.D
 Acq On : 14 Jan 2021 1:07
 Operator : SY/AP
 Sample : M1070-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Quant Time: Jan 14 02:59:42 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jan 13 07:53:51 2021
 QLast Update : Wed Jan 13 07:53:51 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1532297	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3272774	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2974479	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2412992	9.80	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.00%

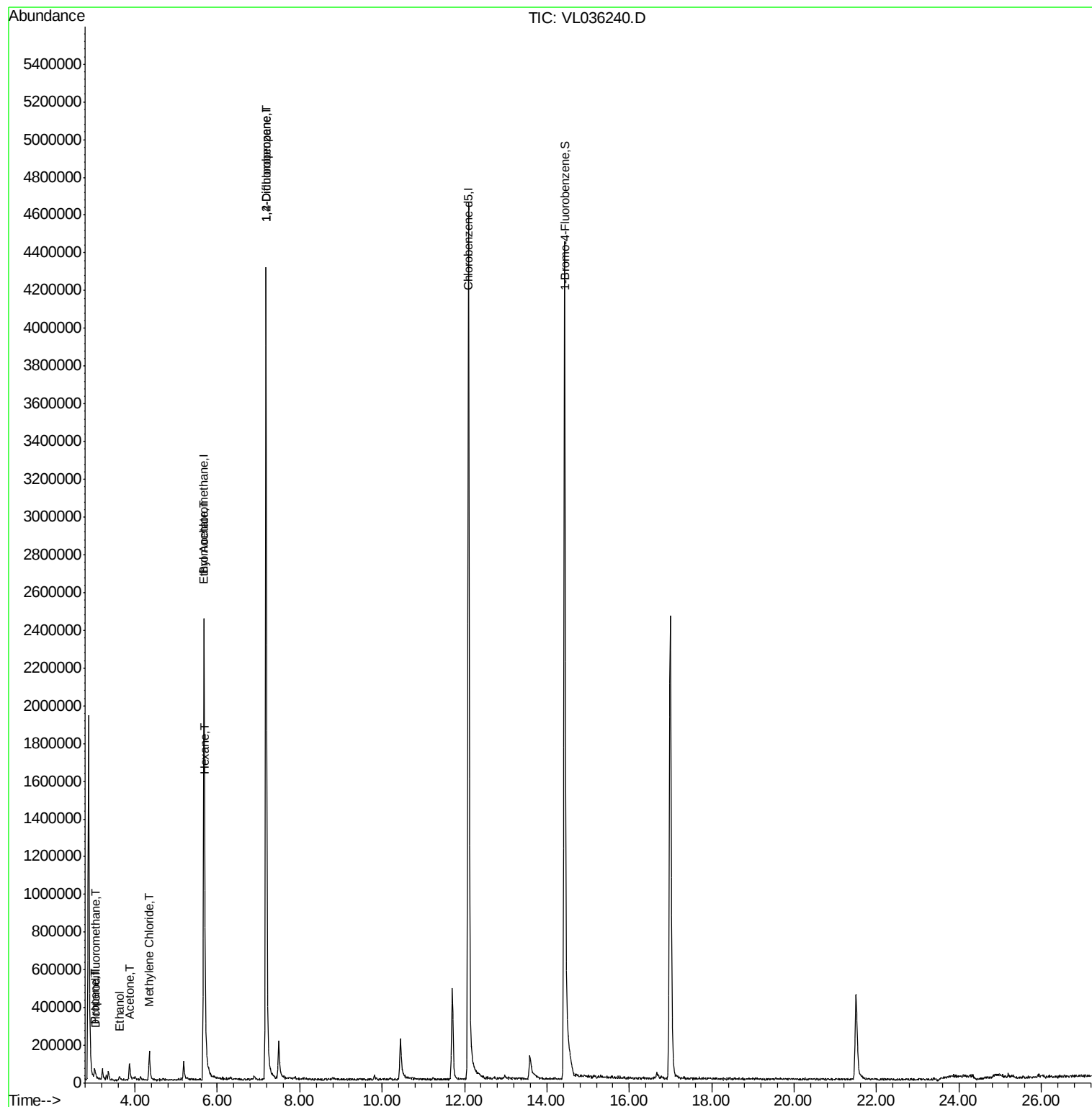
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	10839	0.052	ppbv #	71
9) Propene	3.01	41	3896	0.043	ppbv #	14
13) Ethanol	3.62	45	12098	0.636	ppbv #	32
15) Acetone	3.86	43	104922	0.577	ppbv #	73
20) Methylene Chloride	4.34	84	50996	0.915	ppbv	87
25) Ethyl Acetate	5.69	43	14960	0.040	ppbv #	85
26) Hexane	5.70	57	28015	0.181	ppbv #	26
39) 1,2-Dichloropropane	7.18	63	1010735	8.301	ppbv #	22

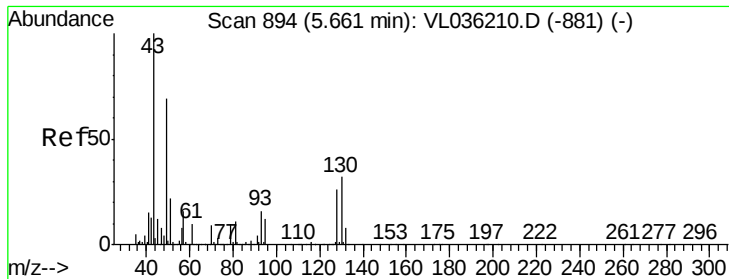
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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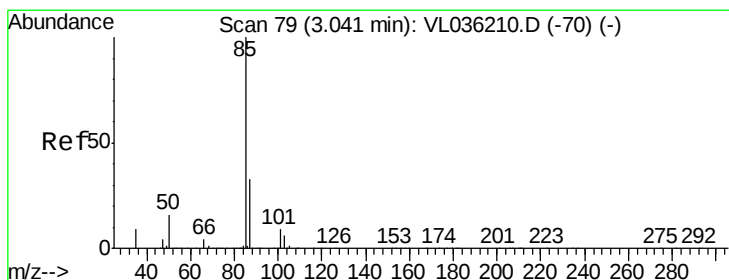
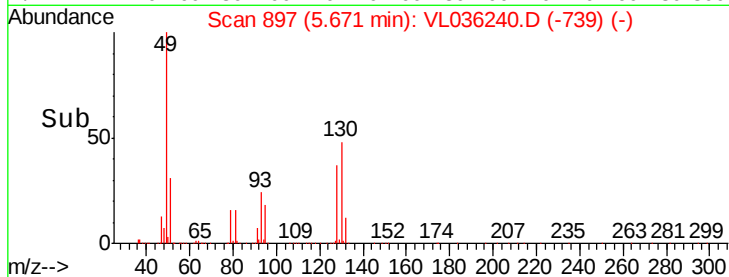
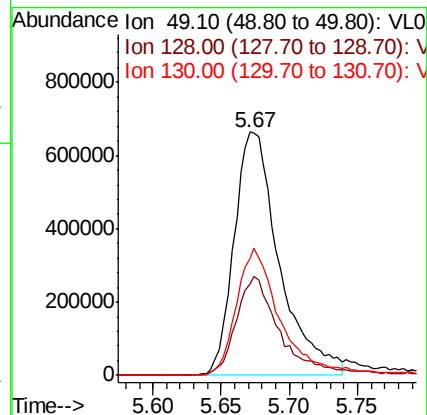
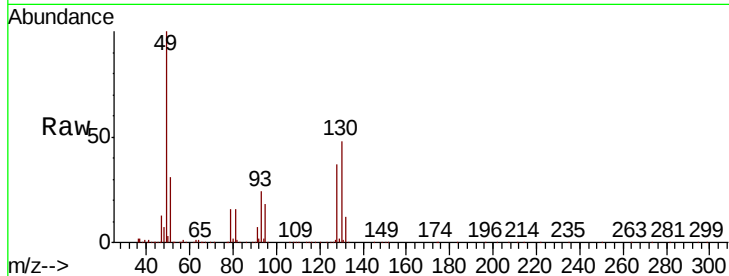


#1

Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 897
 Delta R.T. 0.01 min
 Lab File: VL036240.D
 Acq: 14 Jan 2021 1:07

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

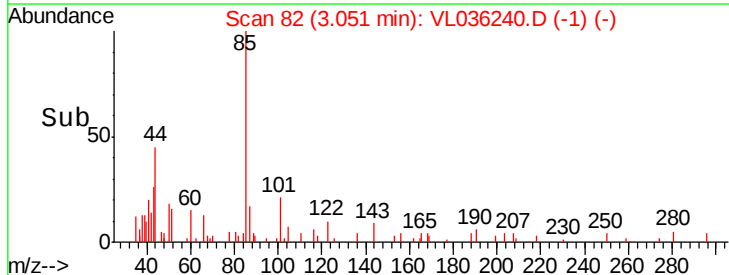
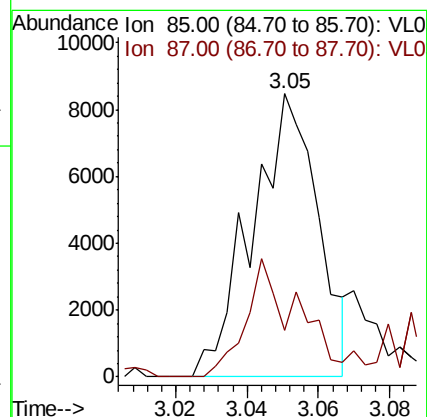
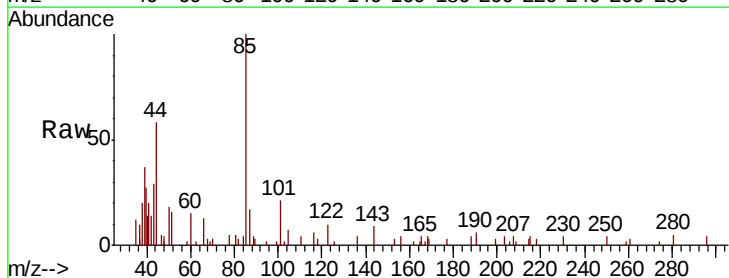
Tot Ion: 49 Resp: 1532297
 Ion Ratio Lower Upper
 49 100
 128 40.5 20.1 60.2
 130 52.6 25.3 75.9

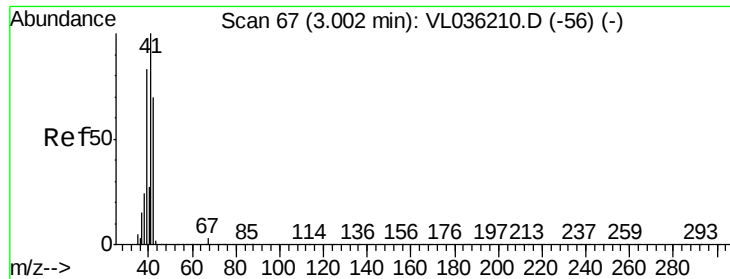


#2

Dichlorodifluoromethane
 Concen: 0.052 ppbv
 RT: 3.05 min Scan# 82
 Delta R.T. 0.01 min
 Lab File: VL036240.D
 Acq: 14 Jan 2021 1:07

Tgt Ion: 85 Resp: 10839
 Ion Ratio Lower Upper
 85 100
 87 16.7 26.4 39.6#





#9

Propene

Concen: 0.043 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL036240.D

Acq: 14 Jan 2021 1:07

Instrument :

MSVOA_L

ClientSampleId :

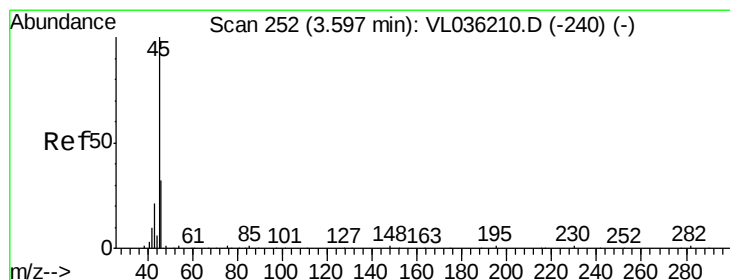
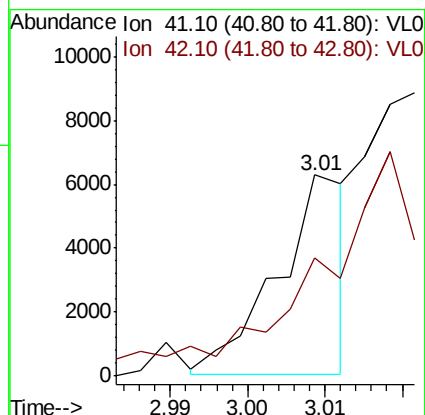
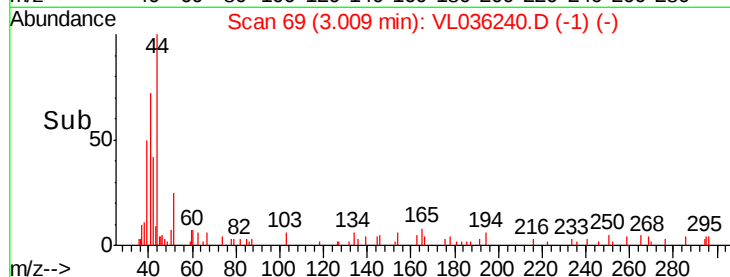
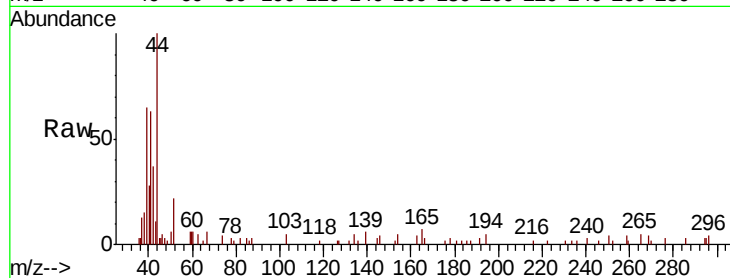
QA1DL

Tot Ion: 41 Resp: 3896

Ion Ratio Lower Upper

41 100

42 0.0 57.1 85.7#



#13

Ethanol

Concen: 0.636 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL036240.D

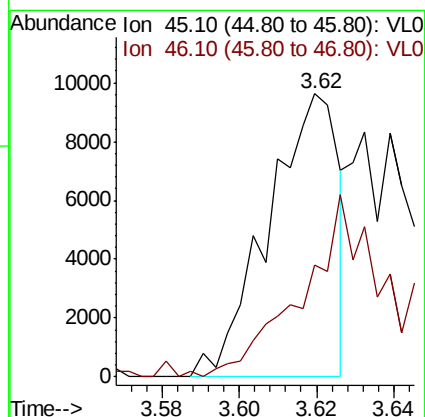
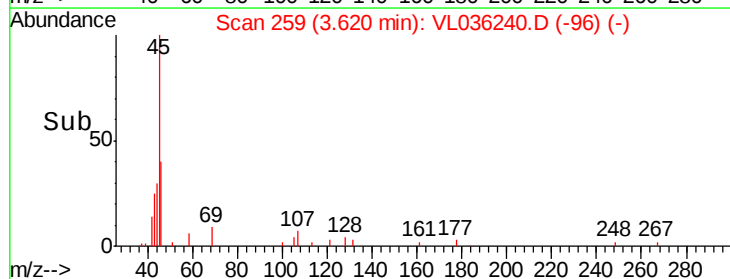
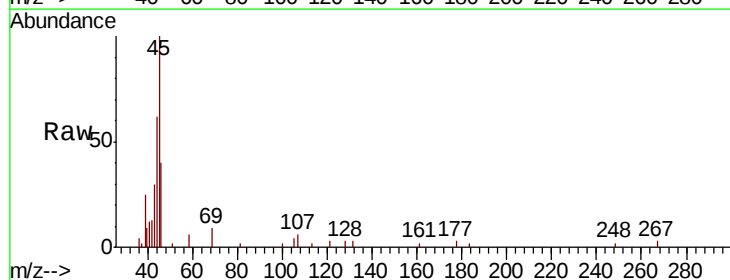
Acq: 14 Jan 2021 1:07

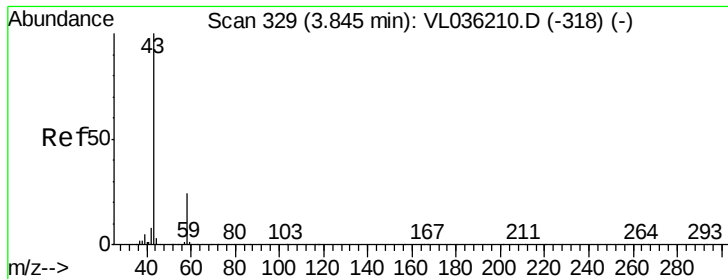
Tgt Ion: 45 Resp: 12098

Ion Ratio Lower Upper

45 100

46 93.9 19.2 77.0#

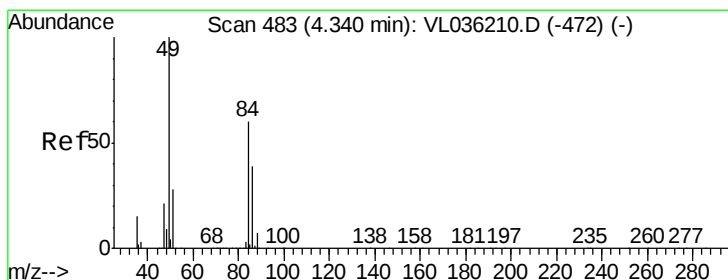
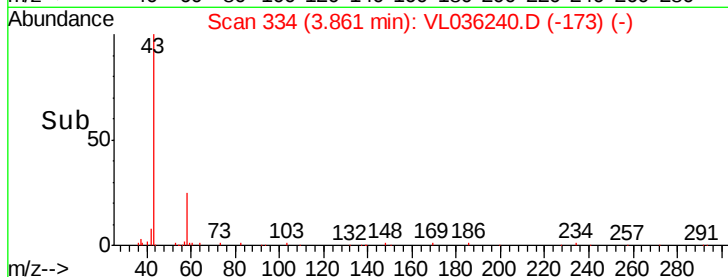
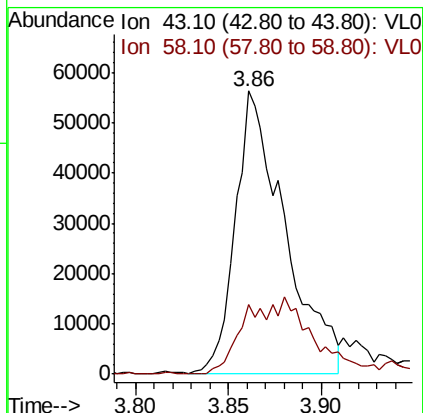
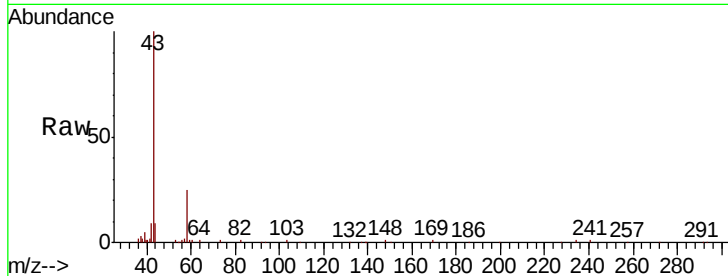




#15
Acetone
Concen: 0.577 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.02 min
Lab File: VL036240.D
Acq: 14 Jan 2021 1:07

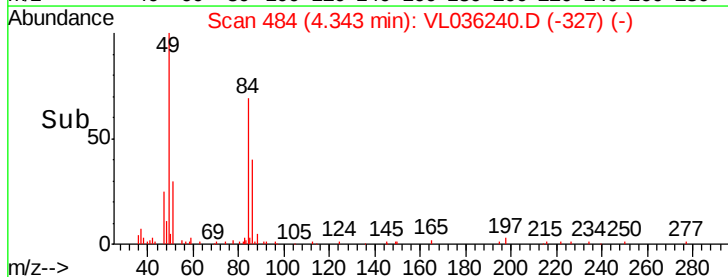
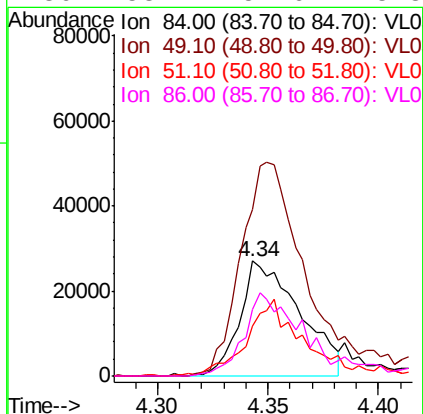
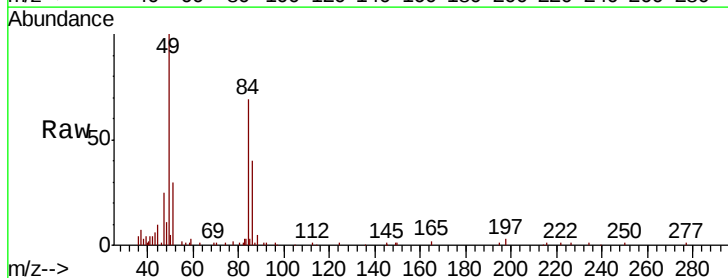
Instrument :
MSVOA_L
ClientSampleId :
QA1DL

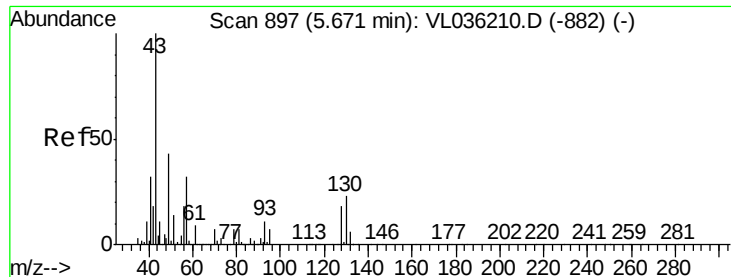
Tot Ion: 43 Resp: 104922
Ion Ratio Lower Upper
43 100
58 40.0 20.9 31.3#



#20
Methylene Chloride
Concen: 0.915 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL036240.D
Acq: 14 Jan 2021 1:07

Tgt Ion: 84 Resp: 50996
Ion Ratio Lower Upper
84 100
49 145.2 134.1 201.1
51 41.4 37.4 56.0
86 58.2 52.6 78.8





#25

Ethyl Acetate

Concen: 0.040 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.02 min

Lab File: VL036240.D

Acq: 14 Jan 2021 1:07

Instrument :

MSVOA_L

ClientSampleId :

QA1DL

Tot Ion: 43 Resp: 14960

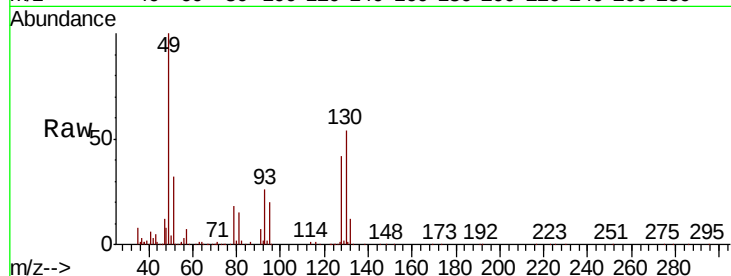
Ion Ratio Lower Upper

43 100

45 9.2 8.3 12.5

61 0.0 7.4 11.2#

70 0.0 5.5 8.3#

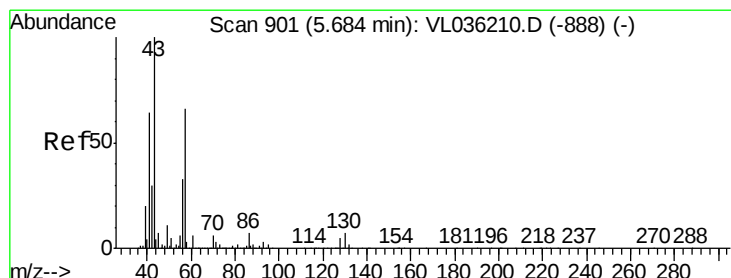
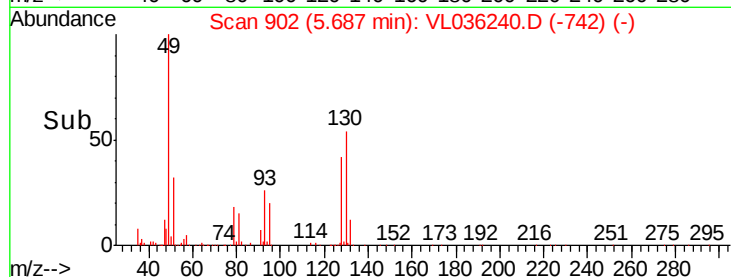
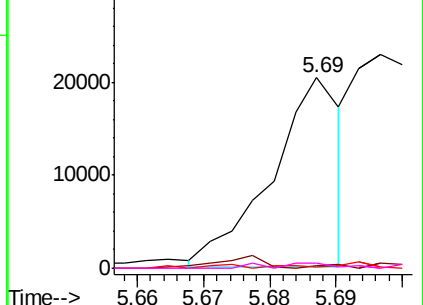


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.181 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.02 min

Lab File: VL036240.D

Acq: 14 Jan 2021 1:07

Tgt Ion: 57 Resp: 28015

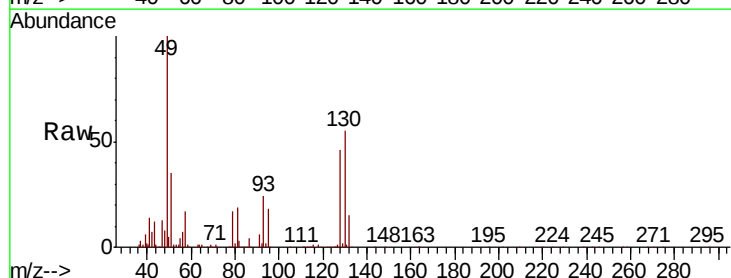
Ion Ratio Lower Upper

57 100

41 225.5 83.0 124.6#

43 164.3 202.4 303.6#

56 123.7 43.4 65.0#

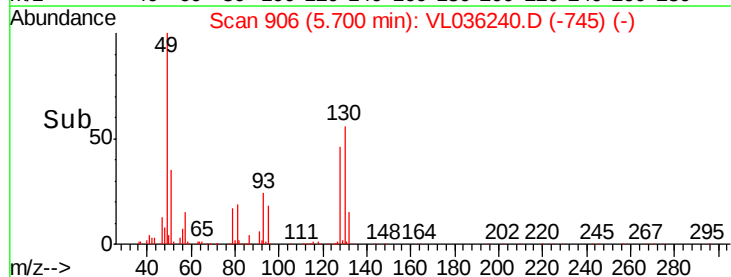
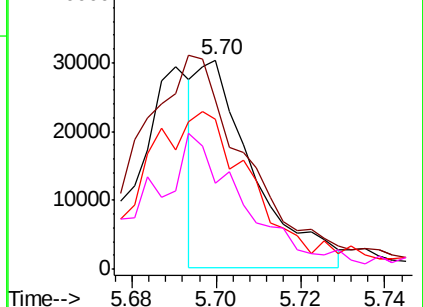


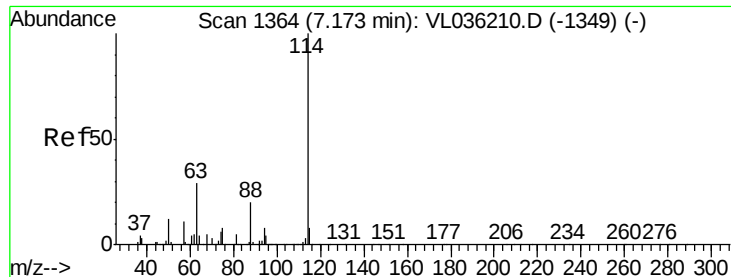
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

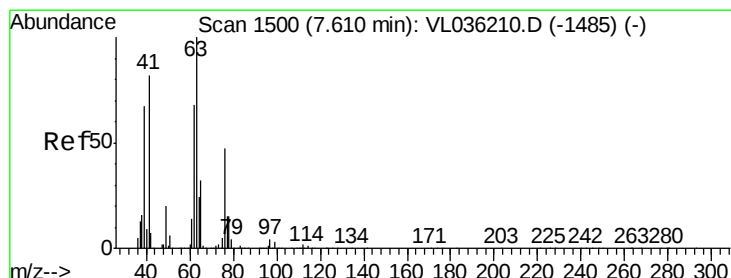
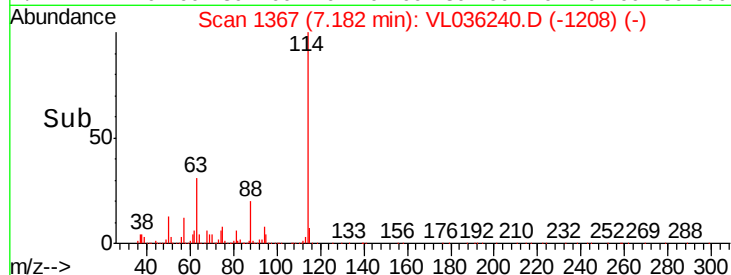
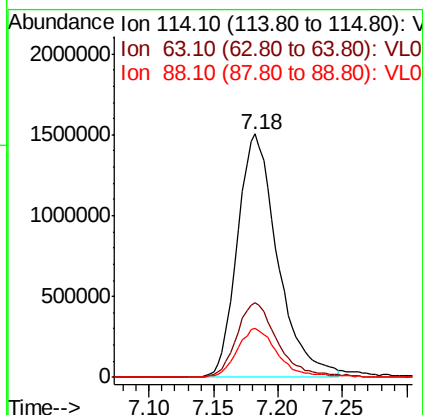
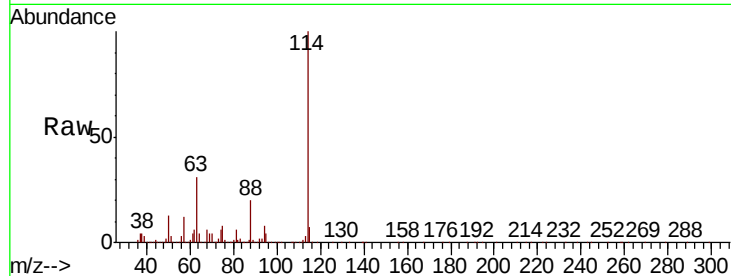




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.01 min
 Lab File: VL036240.D
 Acq: 14 Jan 2021 1:07

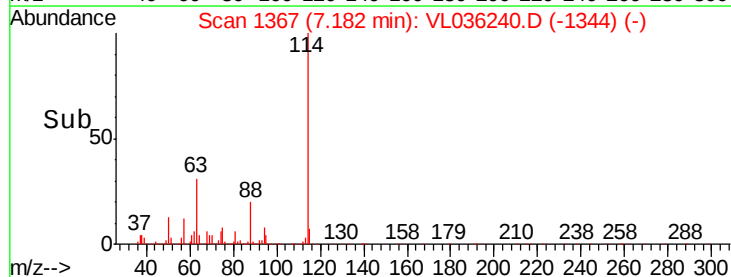
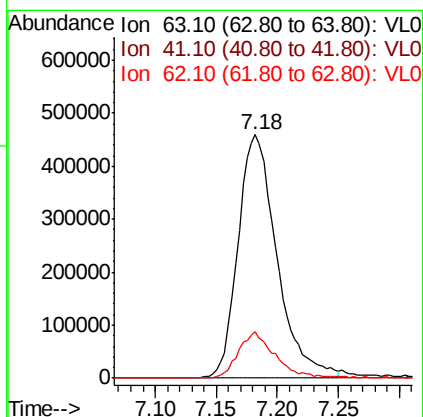
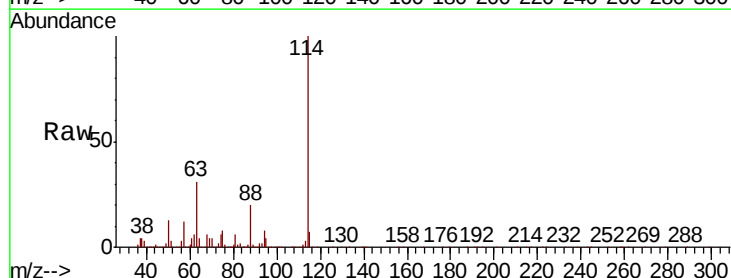
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

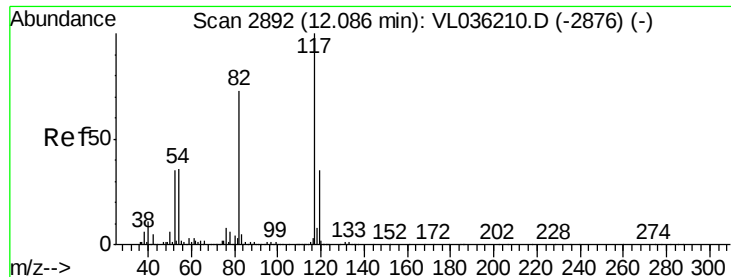
Tot Ion:114 Resp: 3272774
 Ion Ratio Lower Upper
 114 100
 63 31.7 24.7 37.1
 88 20.7 16.6 24.8



#39
 1,2-Dichloropropane
 Concen: 8.301 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.43 min
 Lab File: VL036240.D
 Acq: 14 Jan 2021 1:07

Tgt Ion: 63 Resp: 1010735
 Ion Ratio Lower Upper
 63 100
 41 0.1 66.1 99.1#
 62 18.9 54.8 82.2#

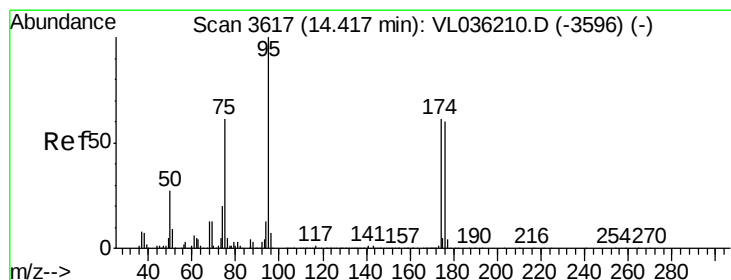
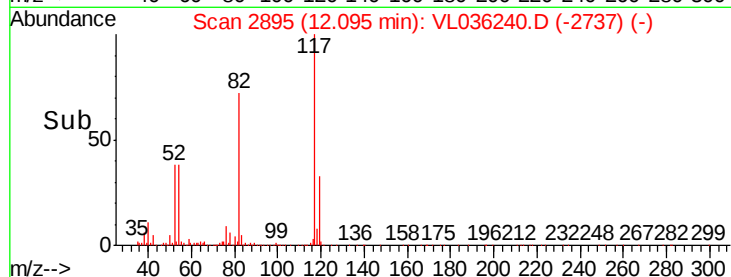
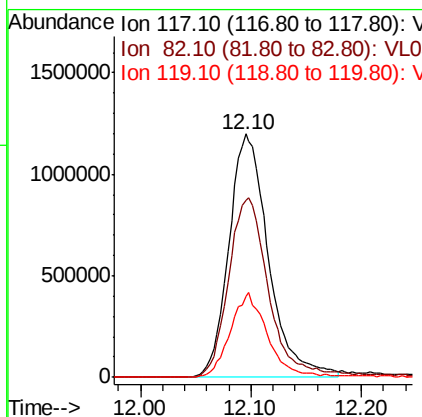
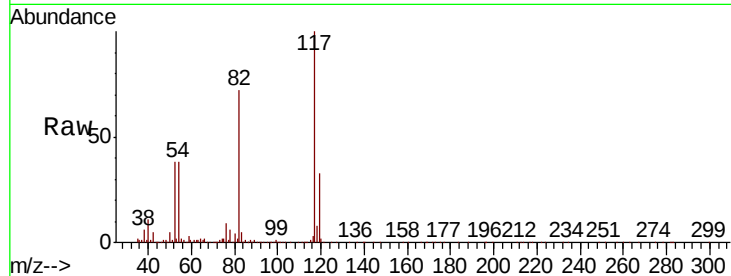




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. 0.01 min
Lab File: VL036240.D
Acq: 14 Jan 2021 1:07

Instrument :
MSVOA_L
ClientSampleId :
QA1DL

Tot Ion:117 Resp: 2974479
Ion Ratio Lower Upper
117 100
82 77.3 59.7 89.5
119 33.1 28.6 43.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.801 ppbv
RT: 14.43 min Scan# 3620
Delta R.T. 0.01 min
Lab File: VL036240.D
Acq: 14 Jan 2021 1:07

Tgt Ion: 95 Resp: 2412992
Ion Ratio Lower Upper
95 100
174 64.1 49.4 74.0
175 4.5 3.8 5.8

