

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022621\
 Data File : VL036397.D
 Acq On : 26 Feb 2021 11:23
 Operator : SY/AP
 Sample : VL0226ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 27 03:15:45 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	5.64	49	1516139	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.14	114	3261940	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	2898386	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2440573	10.23	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

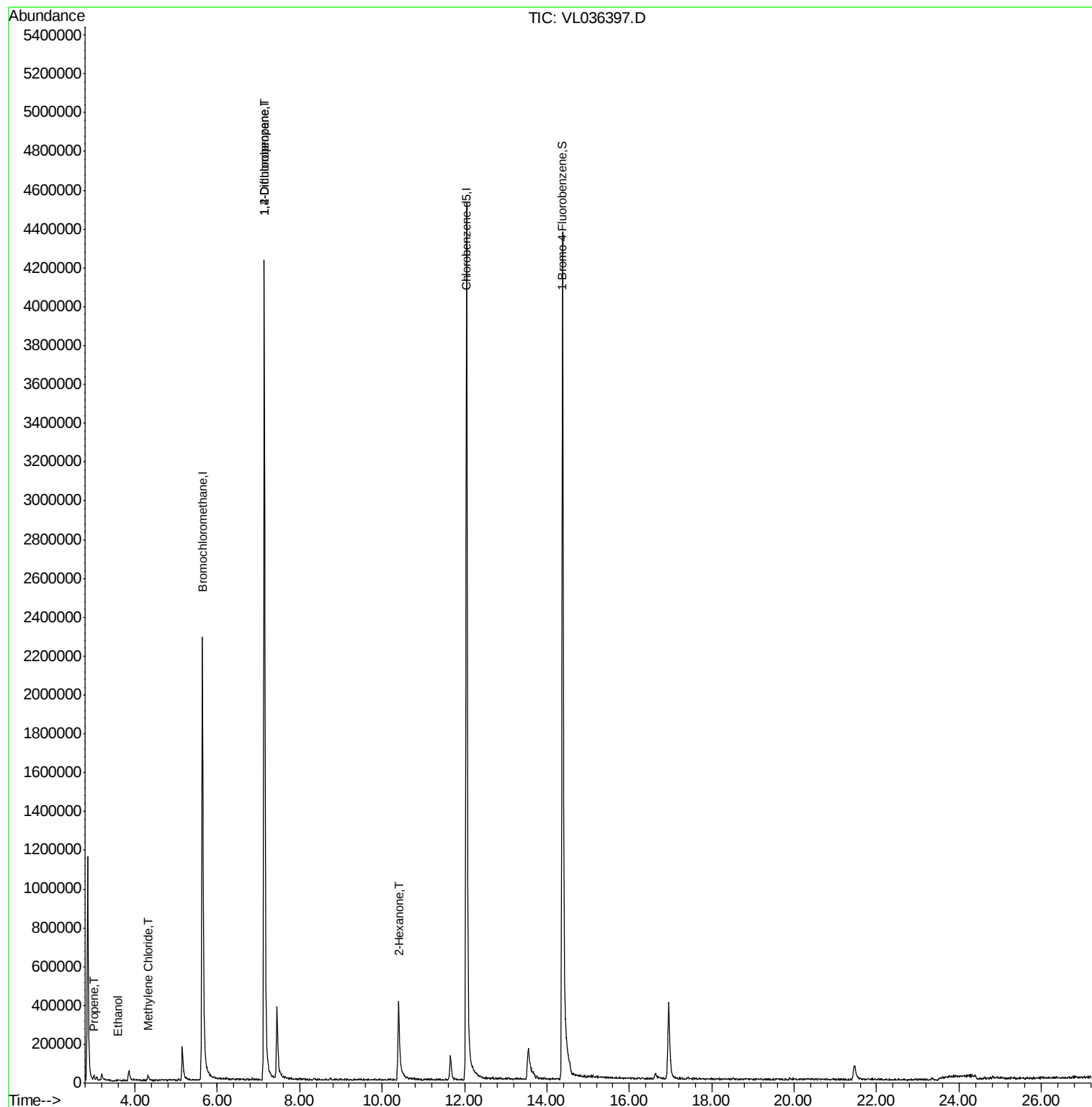
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	2847	0.041	ppbv #	15
13) Ethanol	3.59	45	404	0.031	ppbv #	32
20) Methylene Chloride	4.32	84	5146	0.086	ppbv #	81
39) 1,2-Dichloropropane	7.14	63	948489	8.427	ppbv #	23
51) 2-Hexanone	10.40	43	94291	0.386	ppbv #	50

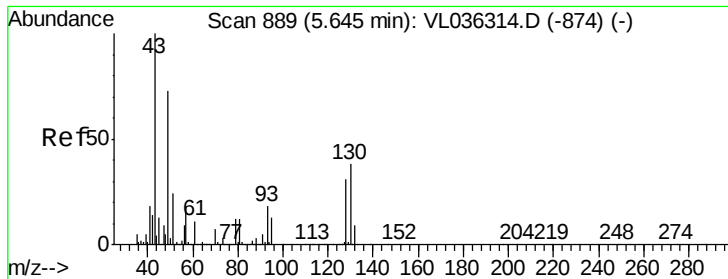
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.01 min

Lab File: VL036397.D

Acq: 26 Feb 2021 11:23

Instrument :
MSVOA_L
ClientSampleId :

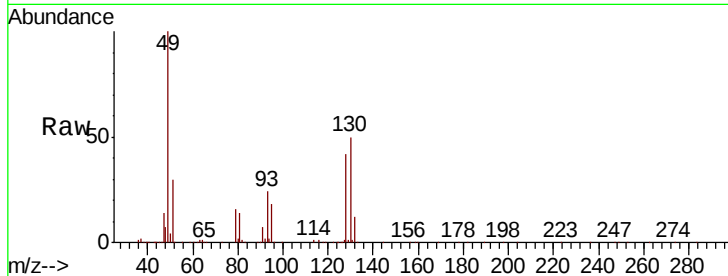
Tot Ion: 49 Resp: 1516139

Ion Ratio Lower Upper

49 100

128 42.1 20.8 62.5

130 53.8 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

800000

600000

400000

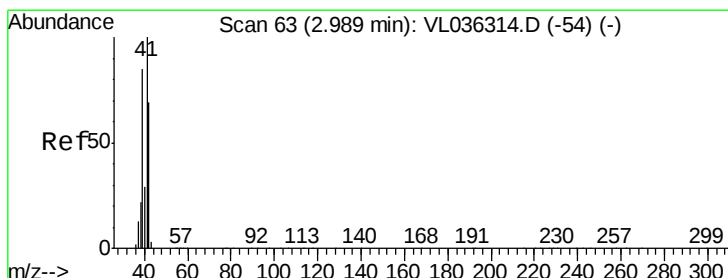
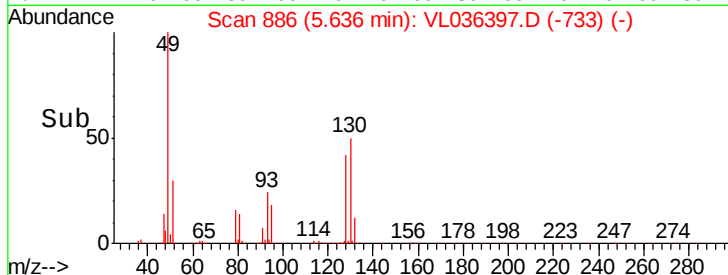
200000

0

5.55 5.60 5.65 5.70 5.75

5.64

Time-->



#9

Propene

Concen: 0.041 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.00 min

Lab File: VL036397.D

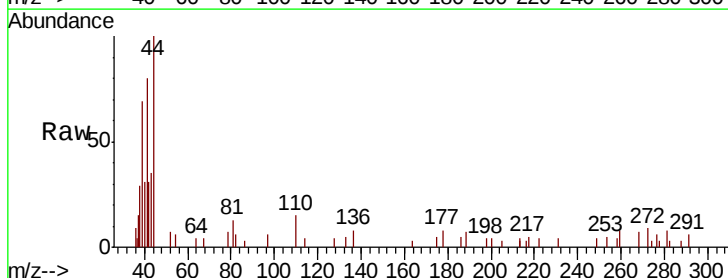
Acq: 26 Feb 2021 11:23

Tgt Ion: 41 Resp: 2847

Ion Ratio Lower Upper

41 100

42 0.0 56.2 84.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

5000

4000

3000

2000

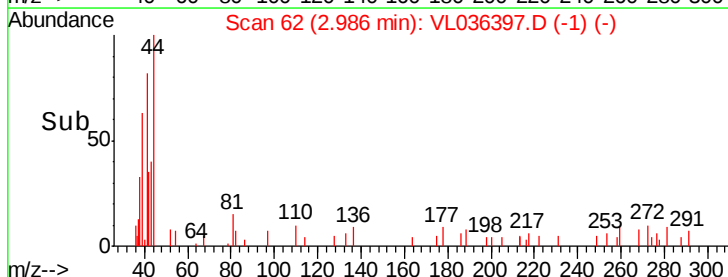
1000

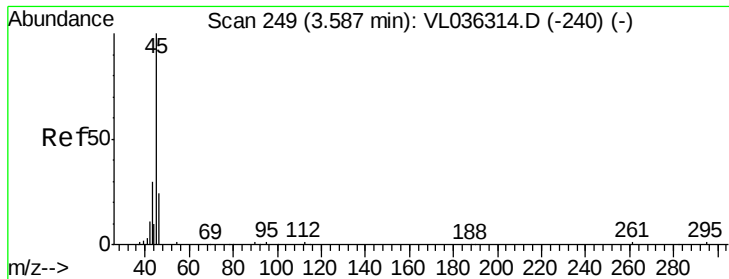
0

2.97 2.98 2.99

2.99

Time-->

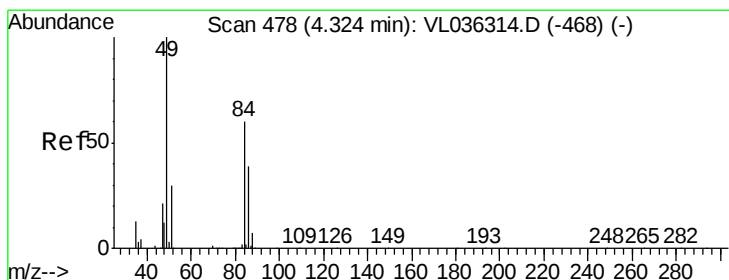
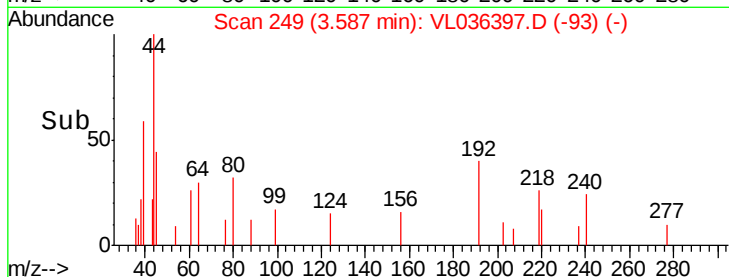
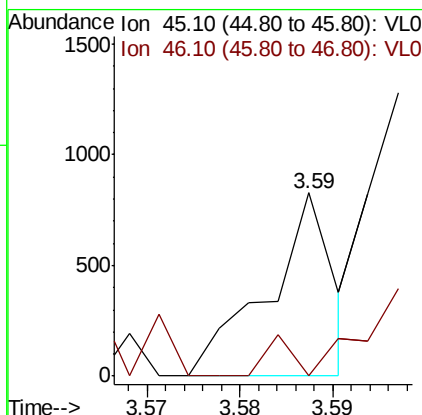
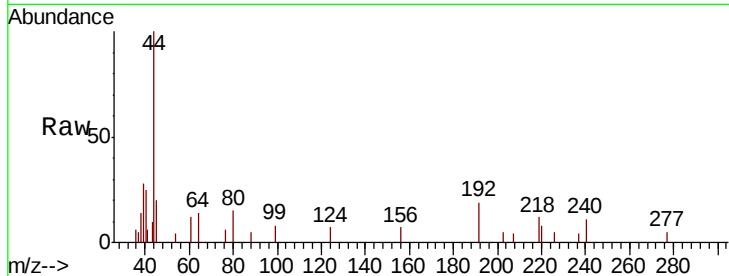




#13
Ethanol
Concen: 0.031 ppbv
RT: 3.59 min Scan# 249
Delta R.T. 0.00 min
Lab File: VL036397.D
Acq: 26 Feb 2021 11:23

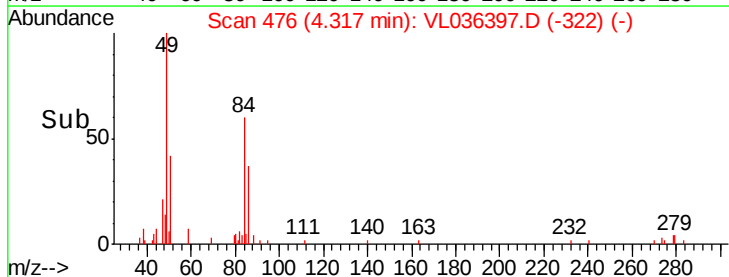
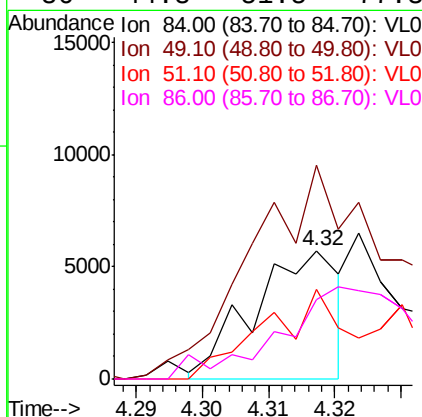
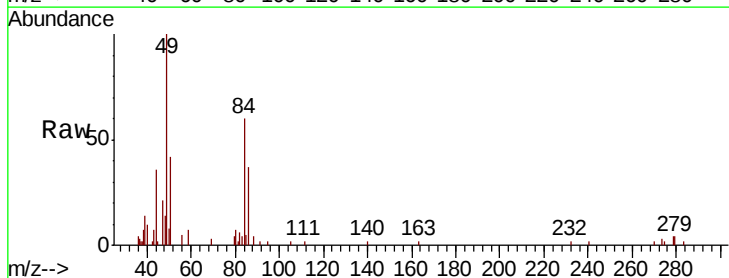
Instrument :
MSVOA_L
ClientSampled :

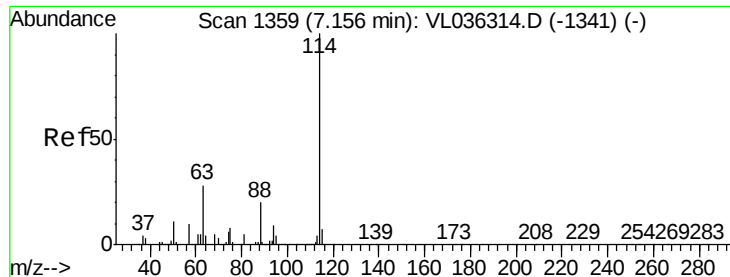
Tot Ion: 45 Resp: 404
Ion Ratio Lower Upper
45 100
46 0.0 17.7 70.7#



#20
Methylene Chloride
Concen: 0.086 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.01 min
Lab File: VL036397.D
Acq: 26 Feb 2021 11:23

Tgt Ion: 84 Resp: 5146
Ion Ratio Lower Upper
84 100
49 150.8 133.8 200.8
51 73.4 41.4 62.0#
86 44.8 51.5 77.3#

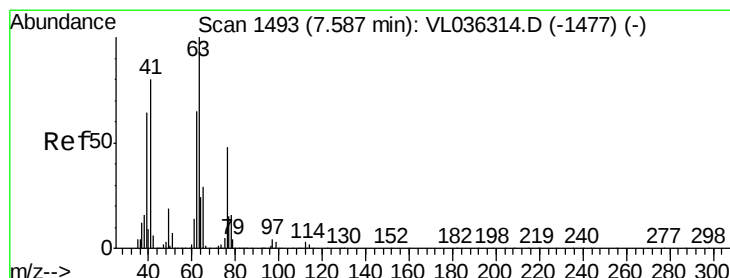
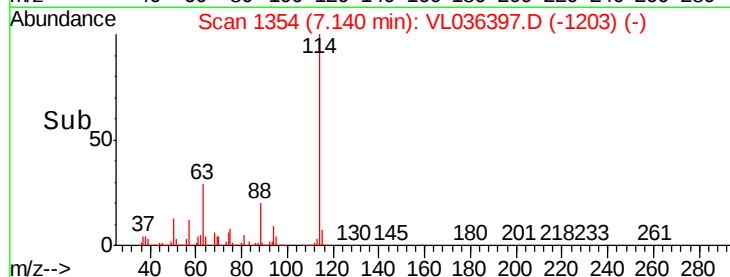
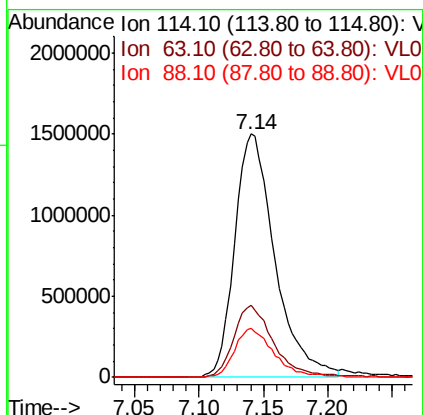
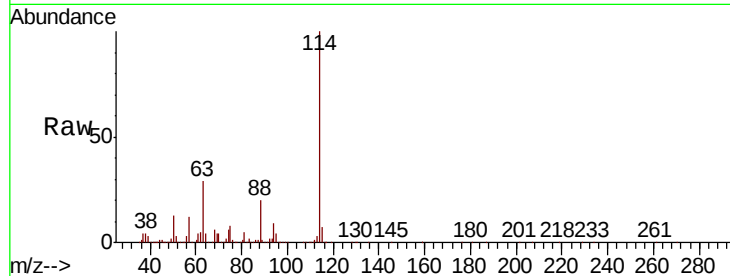




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1354
 Delta R.T. -0.02 min
 Lab File: VL036397.D
 Acq: 26 Feb 2021 11:23

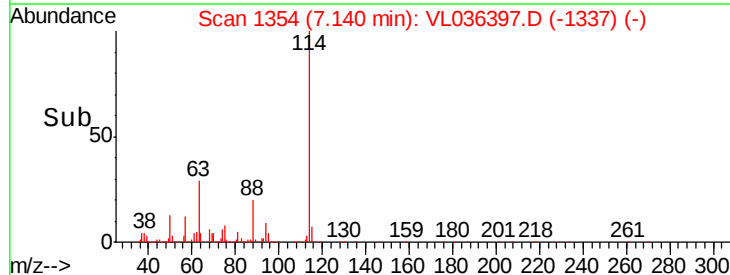
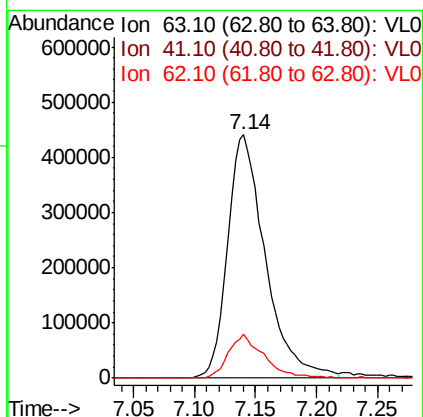
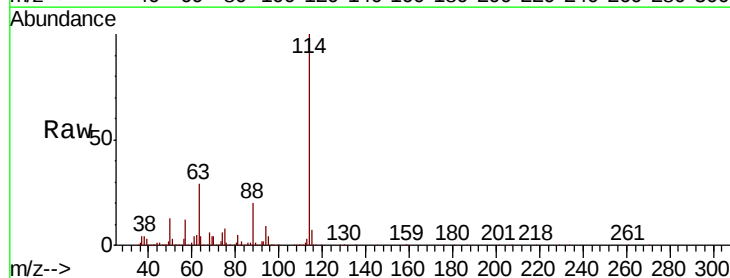
Instrument :
 MSVOA_L
 ClientSampleId :

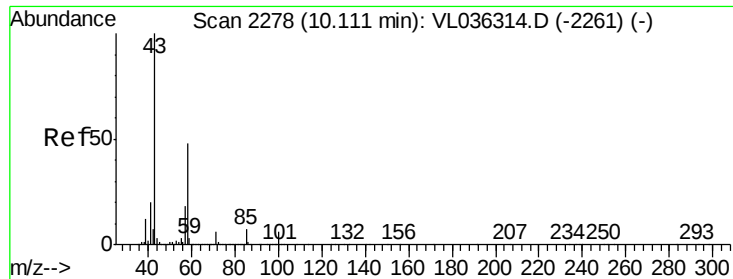
Tot Ion:114 Resp: 3261940
 Ion Ratio Lower Upper
 114 100
 63 29.9 24.1 36.1
 88 20.2 16.0 24.0



#39
 1,2-Dichloropropane
 Concen: 8.427 ppbv
 RT: 7.14 min Scan# 1354
 Delta R.T. -0.45 min
 Lab File: VL036397.D
 Acq: 26 Feb 2021 11:23

Tgt Ion: 63 Resp: 948489
 Ion Ratio Lower Upper
 63 100
 41 0.1 63.8 95.6#
 62 18.2 52.3 78.5#

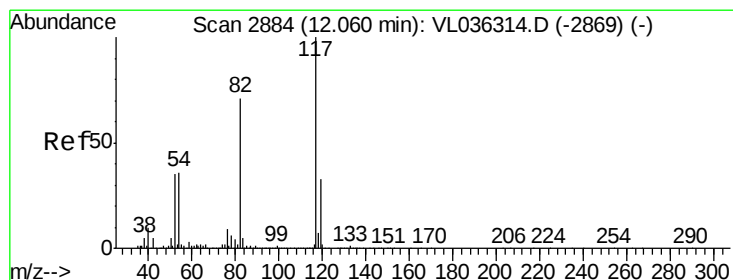
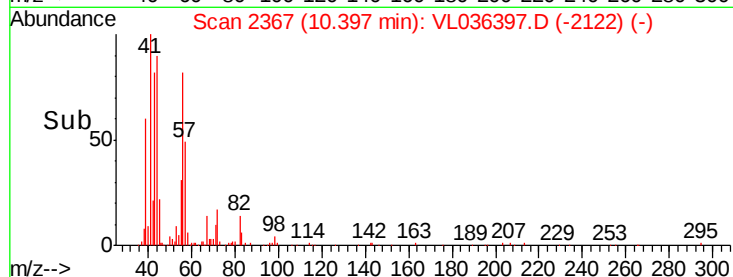
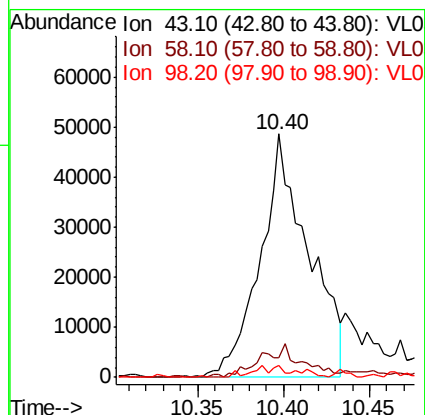
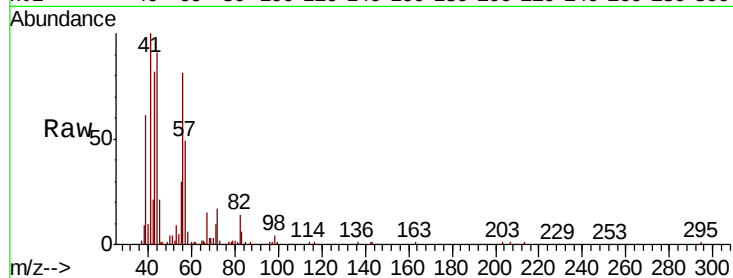




#51
2-Hexanone
Concen: 0.386 ppbv
RT: 10.40 min Scan# 2367
Delta R.T. 0.29 min
Lab File: VL036397.D
Acq: 26 Feb 2021 11:23

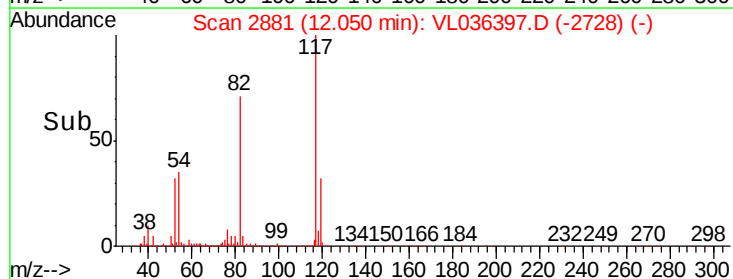
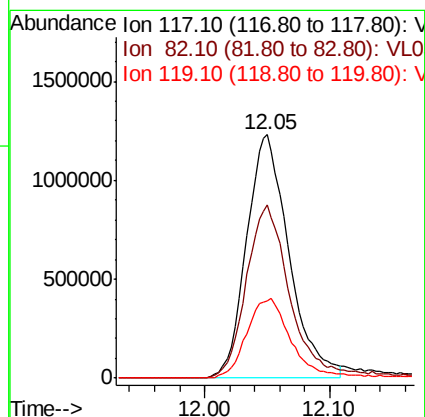
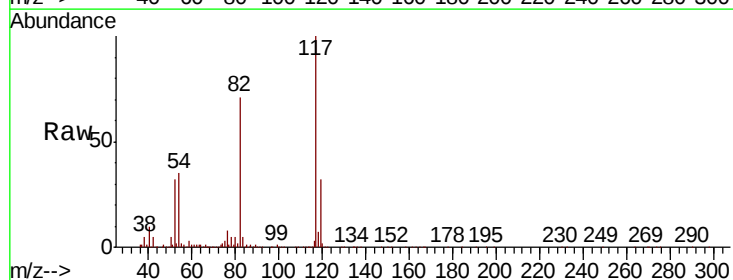
Instrument :
MSVOA_L
ClientSampleId :

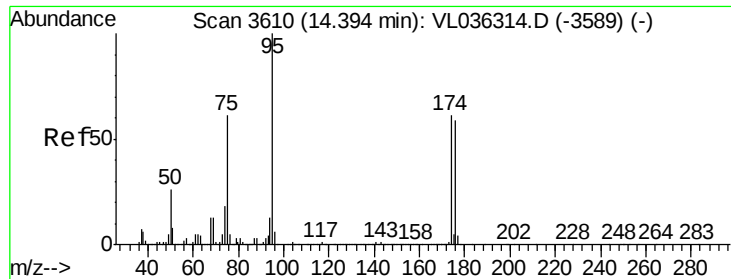
Tot Ion: 43 Resp: 94291
Ion Ratio Lower Upper
43 100
58 14.1 38.7 58.1#
98 4.1 0.4 0.6#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2881
Delta R.T. -0.01 min
Lab File: VL036397.D
Acq: 26 Feb 2021 11:23

Tgt Ion: 117 Resp: 2898386
Ion Ratio Lower Upper
117 100
82 74.5 59.1 88.7
119 34.6 46.3 69.5#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.234 ppbv
 RT: 14.38 min Scan# 3606
 Delta R.T. -0.01 min
 Lab File: VL036397.D
 Acq: 26 Feb 2021 11:23

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 95 Resp: 2440573
 Ion Ratio Lower Upper
 95 100
 174 62.8 49.8 74.6
 175 4.5 3.7 5.5

