

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030121\
 Data File : VL036409.D
 Acq On : 1 Mar 2021 10:55
 Operator : SY/AP
 Sample : VL0301ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 02 02:39:19 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	5.69	49	1792545	10.00	ppbv	0.05
33) 1,4-Difluorobenzene	7.20	114	3915166	10.00	ppbv	0.05
55) Chlorobenzene-d5	12.12	117	3521965	10.00	ppbv	0.06

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2836047	9.79	ppbv	0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

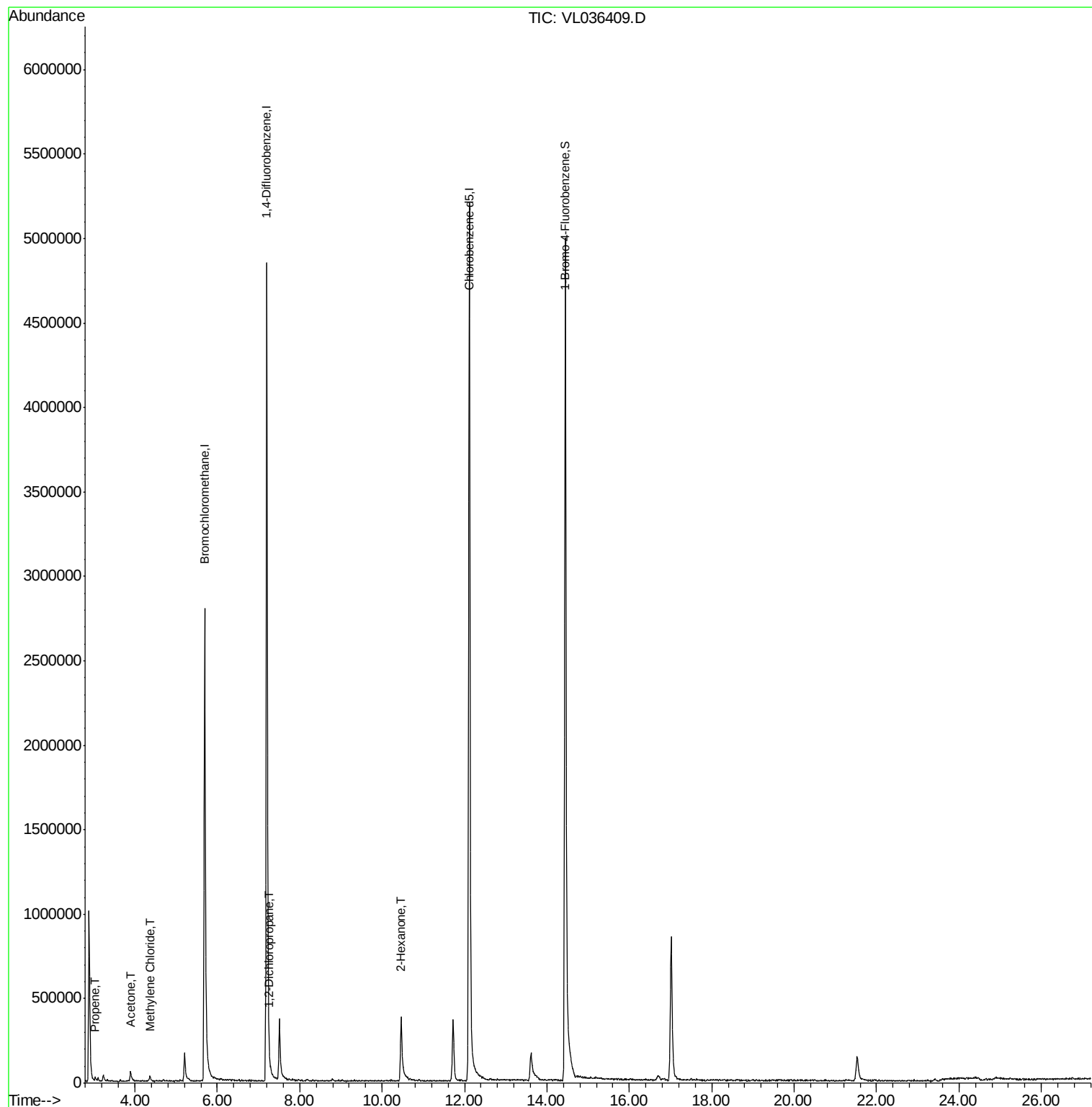
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	3882	0.047	ppbv #	17
15) Acetone	3.89	43	48515	0.221	ppbv #	1
20) Methylene Chloride	4.36	84	3375	0.048	ppbv #	55
39) 1,2-Dichloropropane	7.28	63	11308	0.084	ppbv #	15
51) 2-Hexanone	10.46	43	63458	0.216	ppbv #	67

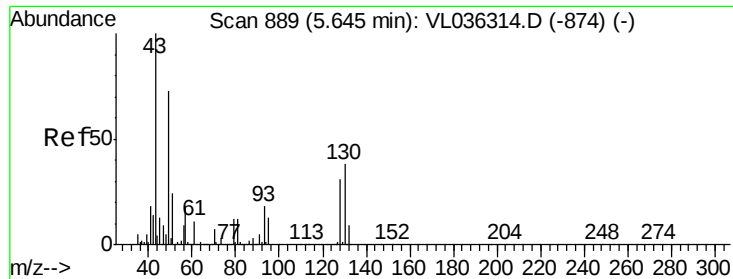
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.05 min

Lab File: VL036409.D

Acq: 1 Mar 2021 10:55

Instrument :
MSVOA_L
ClientSampled :

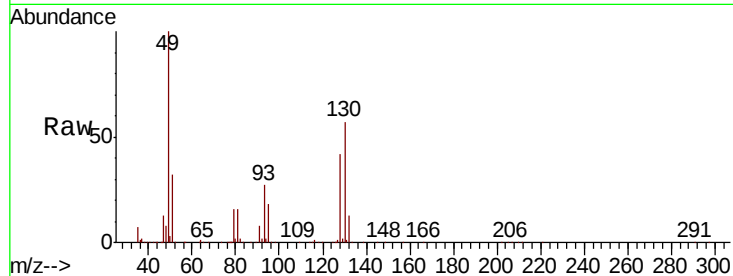
Tot Ion: 49 Resp: 1792545

Ion Ratio Lower Upper

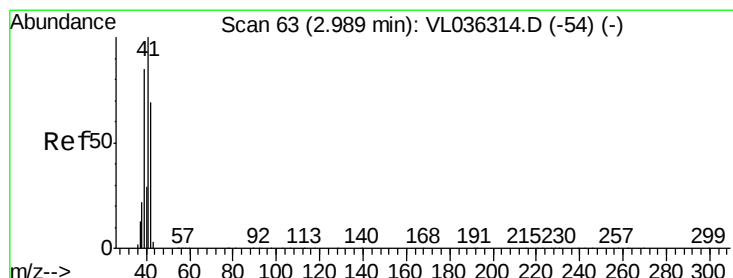
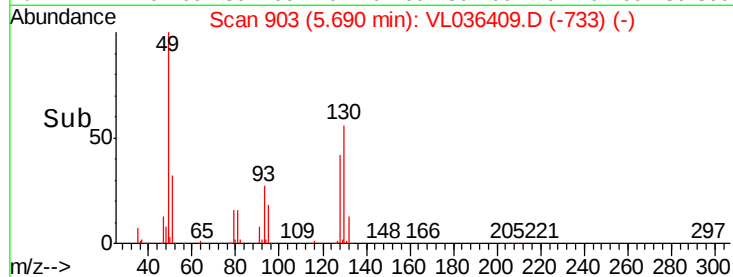
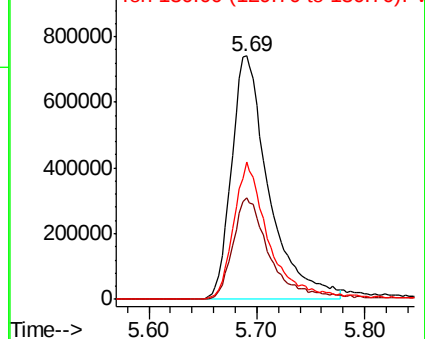
49 100

128 42.2 20.8 62.5

130 53.7 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



#9

Propene

Concen: 0.047 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.04 min

Lab File: VL036409.D

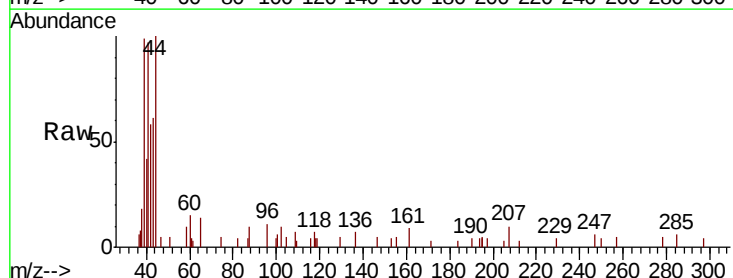
Acq: 1 Mar 2021 10:55

Tgt Ion: 41 Resp: 3882

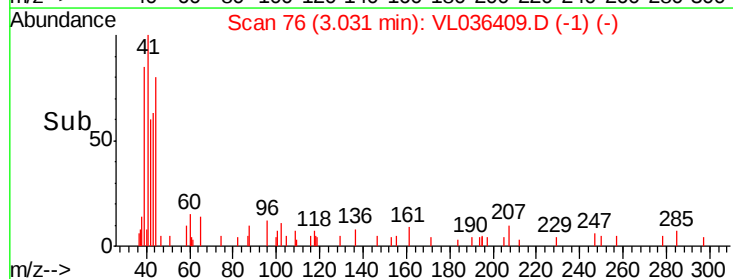
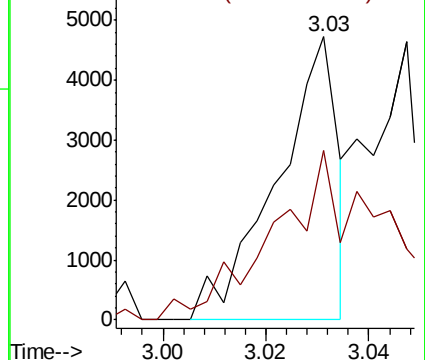
Ion Ratio Lower Upper

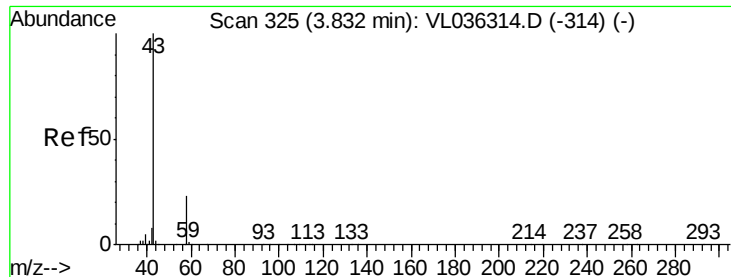
41 100

42 138.4 56.2 84.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.221 ppbv

RT: 3.89 min Scan# 343

Delta R.T. 0.06 min

Lab File: VL036409.D

Acq: 1 Mar 2021 10:55

Instrument :

MSVOA_L

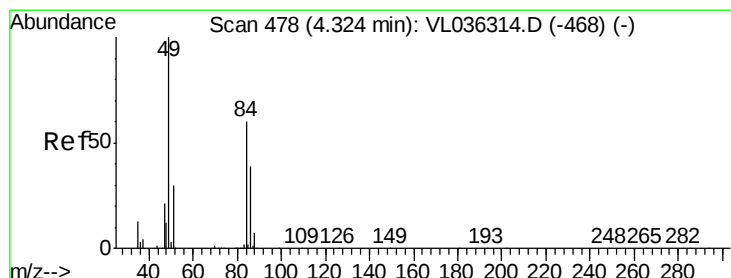
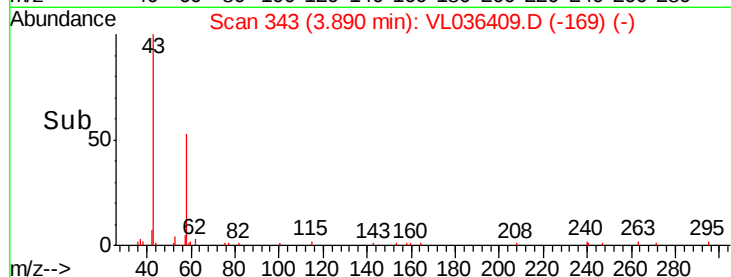
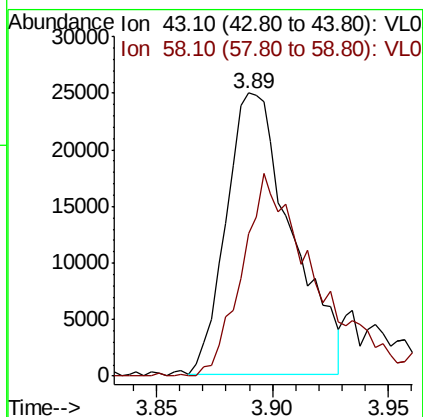
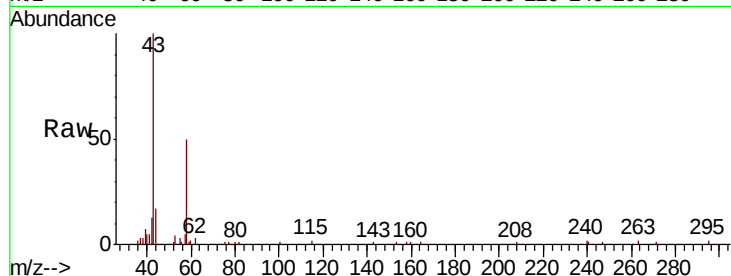
ClientSampleId :

Tot Ion: 43 Resp: 48515

Ion Ratio Lower Upper

43 100

58 82.6 20.3 30.5#



#20

Methylene Chloride

Concen: 0.048 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.04 min

Lab File: VL036409.D

Acq: 1 Mar 2021 10:55

Tgt Ion: 84 Resp: 3375

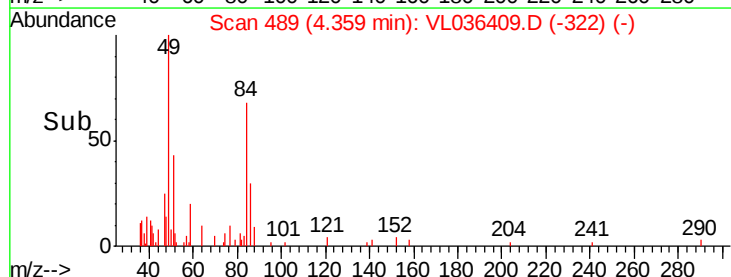
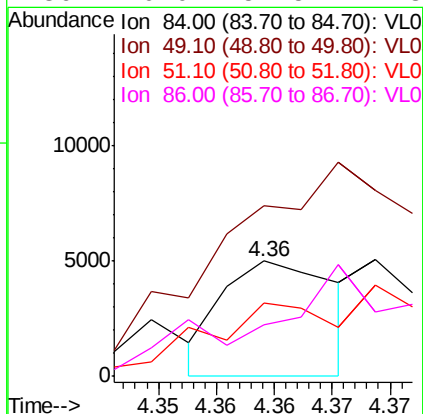
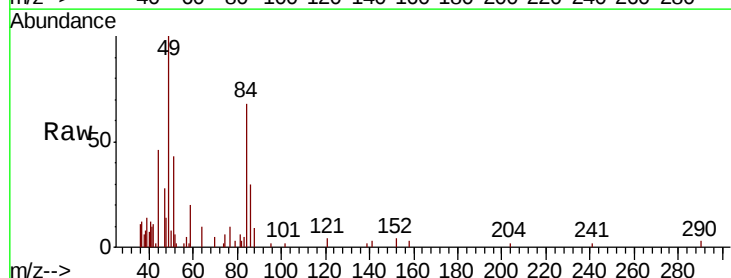
Ion Ratio Lower Upper

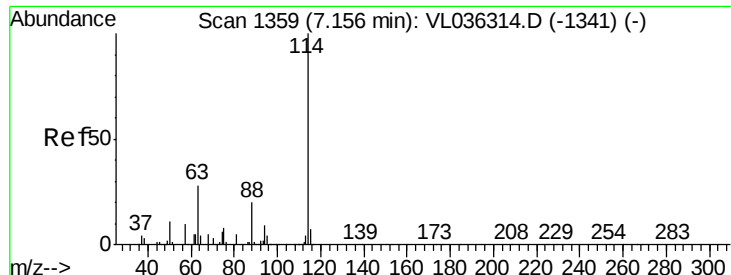
84 100

49 113.3 133.8 200.8#

51 42.4 41.4 62.0

86 0.0 51.5 77.3#

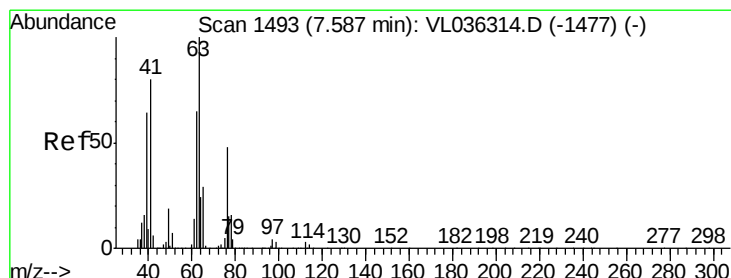
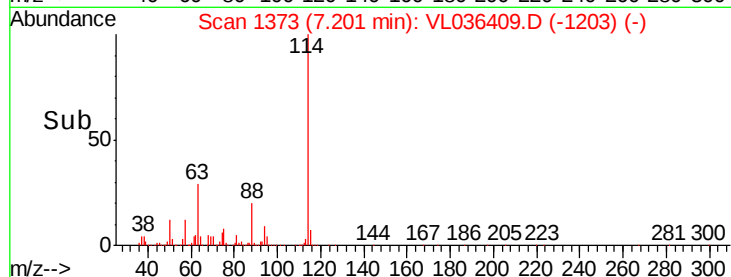
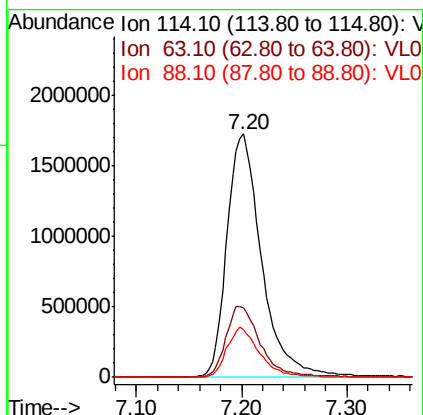
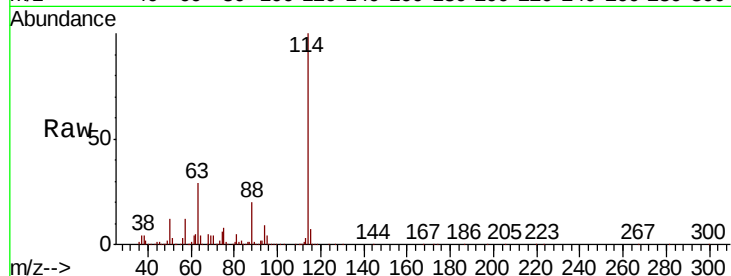




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1373
 Delta R.T. 0.05 min
 Lab File: VL036409.D
 Acq: 1 Mar 2021 10:55

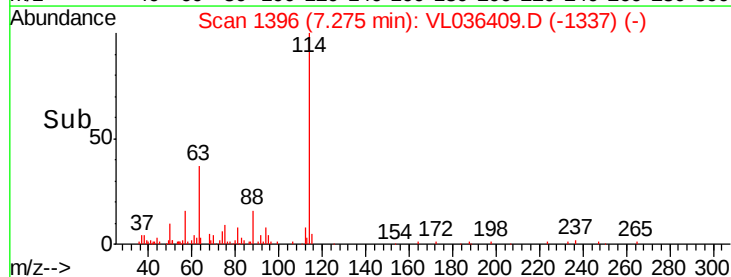
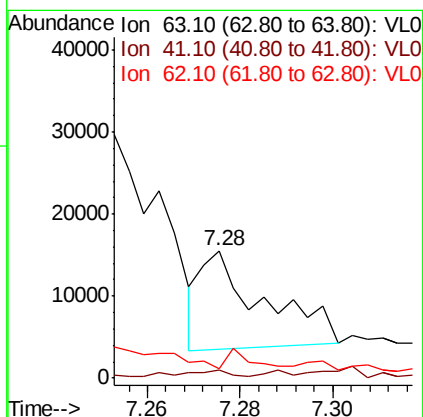
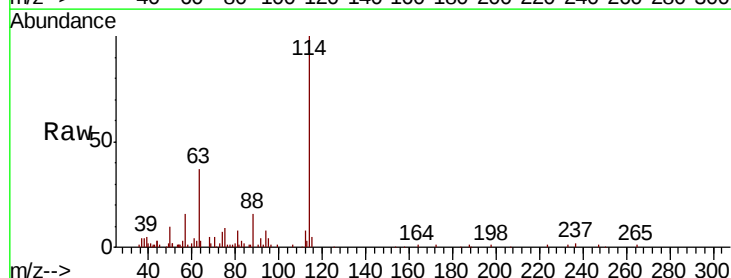
Instrument :
 MSVOA_L
 ClientSampleId :

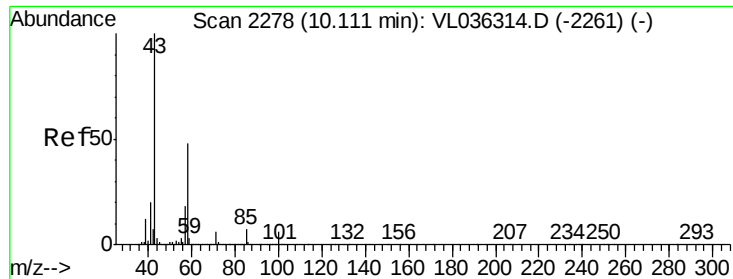
Tot Ion:114 Resp: 3915166
 Ion Ratio Lower Upper
 114 100
 63 29.5 24.1 36.1
 88 19.8 16.0 24.0



#39
 1,2-Dichloropropane
 Concen: 0.084 ppbv
 RT: 7.28 min Scan# 1396
 Delta R.T. -0.31 min
 Lab File: VL036409.D
 Acq: 1 Mar 2021 10:55

Tgt Ion: 63 Resp: 11308
 Ion Ratio Lower Upper
 63 100
 41 2.6 63.8 95.6#
 62 0.2 52.3 78.5#

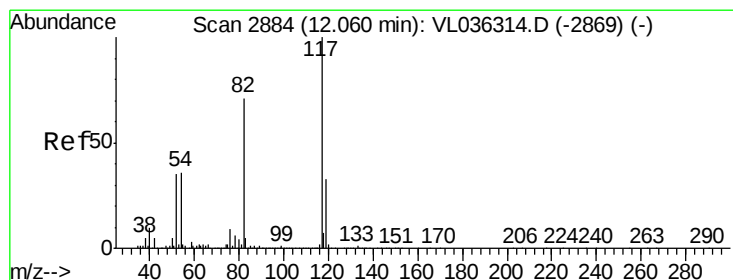
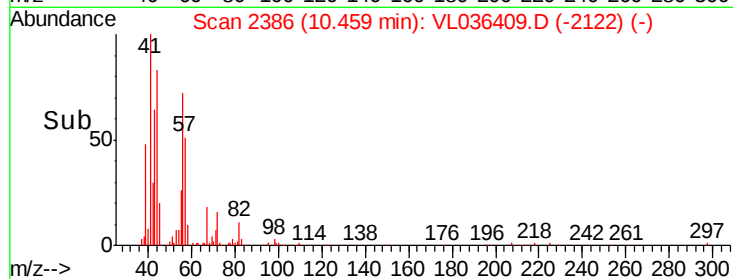
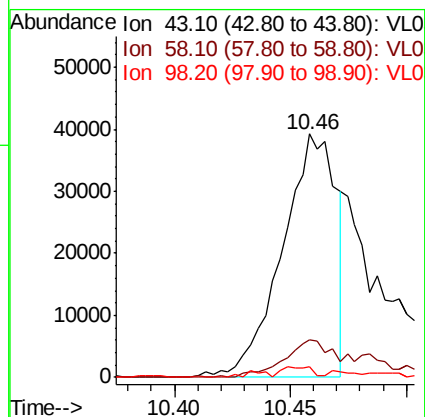
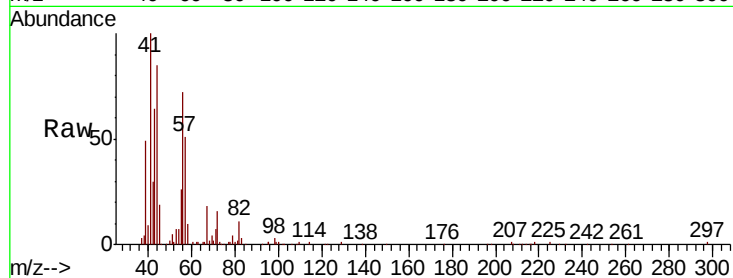




#51
2-Hexanone
Concen: 0.216 ppbv
RT: 10.46 min Scan# 2386
Delta R.T. 0.35 min
Lab File: VL036409.D
Acq: 1 Mar 2021 10:55

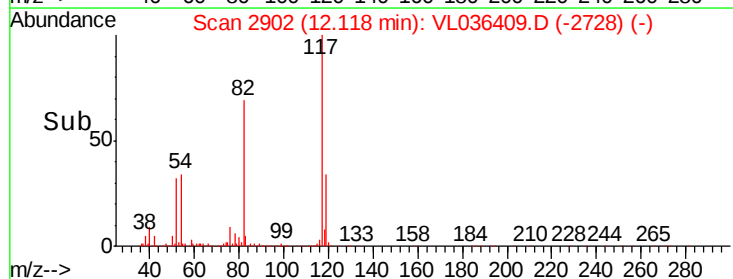
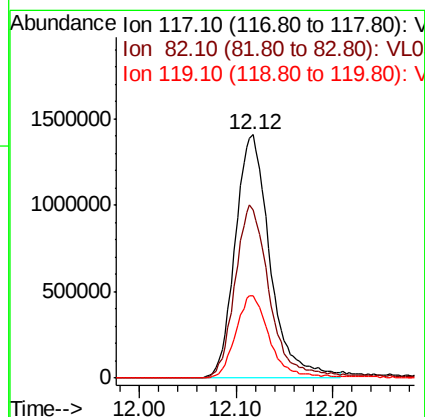
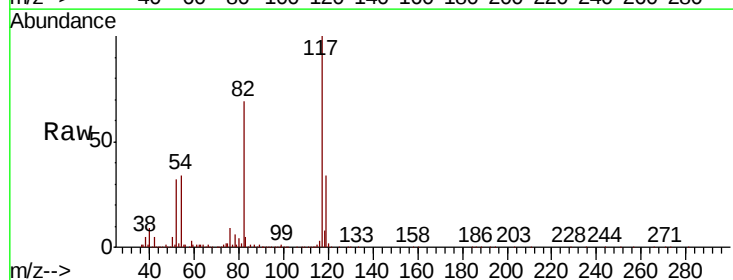
Instrument :
MSVOA_L
ClientSampled :

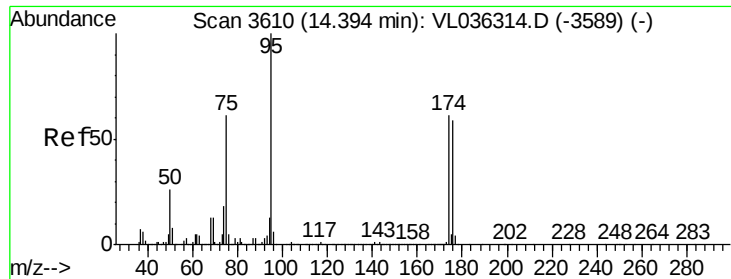
Tot Ion: 43 Resp: 63458
Ion Ratio Lower Upper
43 100
58 26.0 38.7 58.1#
98 5.8 0.4 0.6#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.06 min
Lab File: VL036409.D
Acq: 1 Mar 2021 10:55

Tgt Ion: 117 Resp: 3521965
Ion Ratio Lower Upper
117 100
82 72.5 59.1 88.7
119 33.9 46.3 69.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.787 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. 0.05 min

Lab File: VL036409.D

Acq: 1 Mar 2021 10:55

Instrument :

MSVOA_L

ClientSampleId :

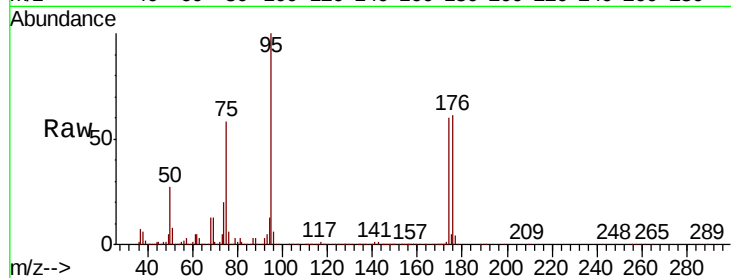
Tot Ion: 95 Resp: 2836047

Ion Ratio Lower Upper

95 100

174 62.9 49.8 74.6

175 4.6 3.7 5.5



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

