

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012021\
 Data File : VL036250.D
 Acq On : 20 Jan 2021 17:12
 Operator : SY/AP
 Sample : M1171-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

Quant Time: Jan 21 01:35:46 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	5.66	49	1384757	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2938387	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2601796	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2103142	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

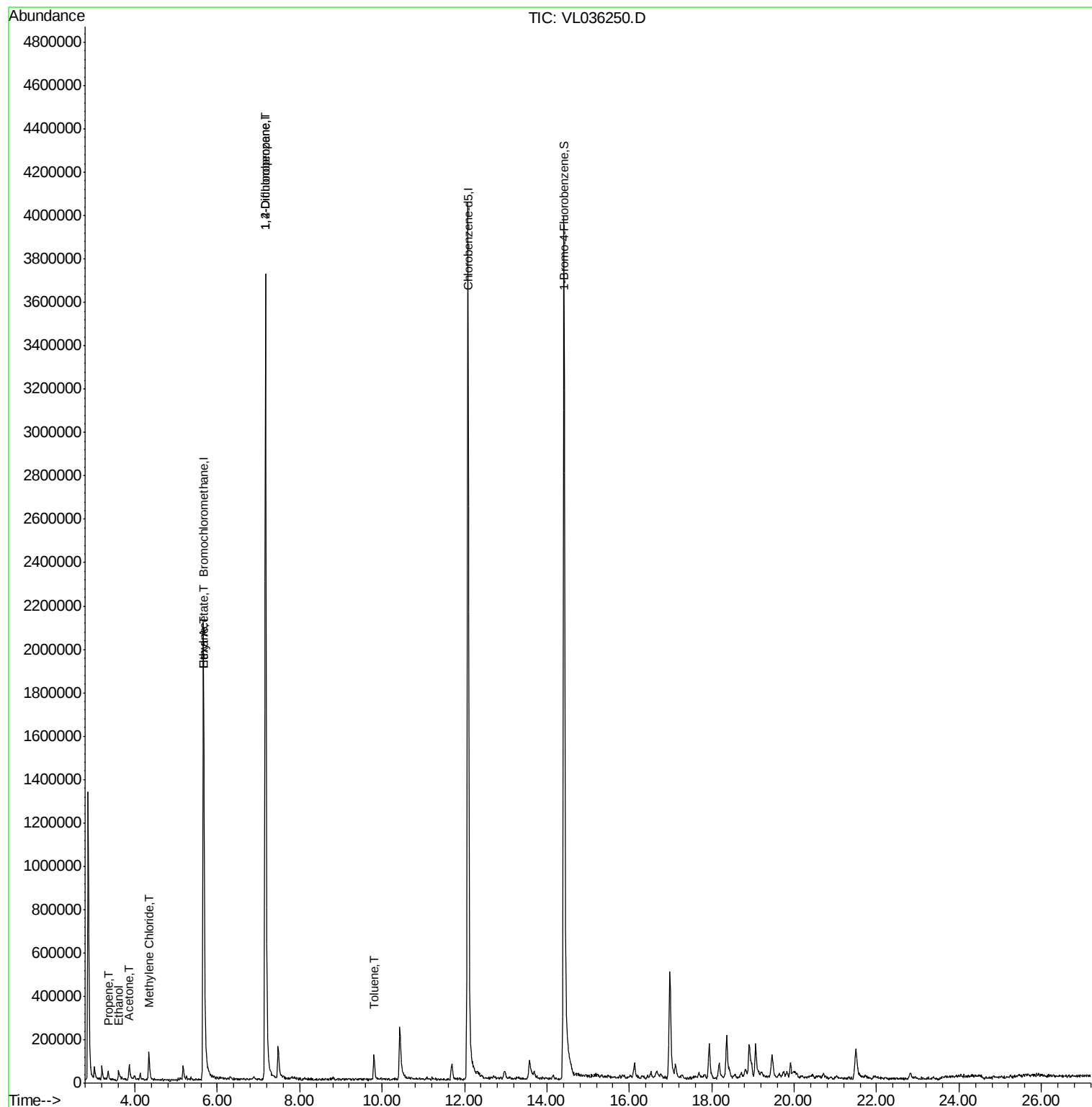
Target Compounds					Ovalue
9) Propene	3.35	41	11745	0.145	ppbv 93
13) Ethanol	3.60	45	22023	1.732	ppbv # 29
15) Acetone	3.86	43	66254	0.391	ppbv # 60
20) Methylene Chloride	4.34	84	22916	0.423	ppbv 83
25) Ethyl Acetate	5.68	43	27172	0.080	ppbv # 75
26) Hexane	5.68	57	62335	0.440	ppbv # 40
39) 1,2-Dichloropropane	7.17	63	865596	7.918	ppbv # 20
53) Toluene	9.80	91	47073	0.156	ppbv # 28

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

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL036250.D

Acq: 20 Jan 2021 17:12

Instrument :

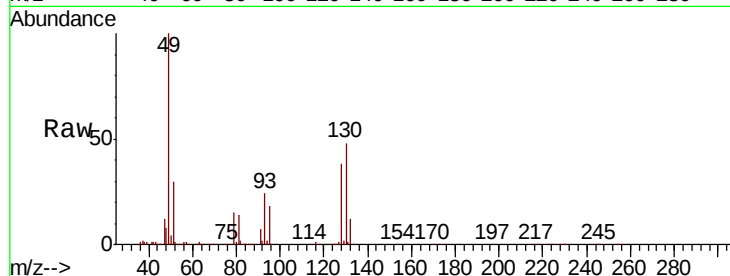
MSVOA_L

ClientSampleId :

IA-2DL

Tot Ion: 49 Resp: 1384757

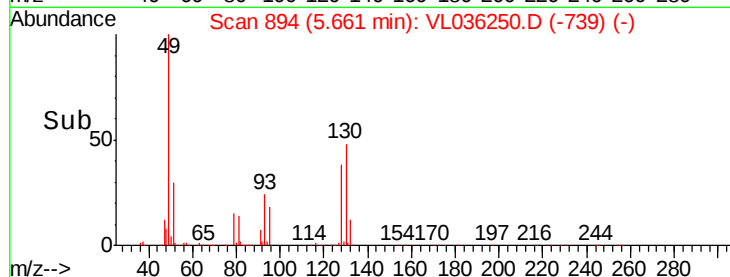
Ion	Ratio	Lower	Upper
49	100		
128	38.8	20.1	60.2
130	49.4	25.3	75.9



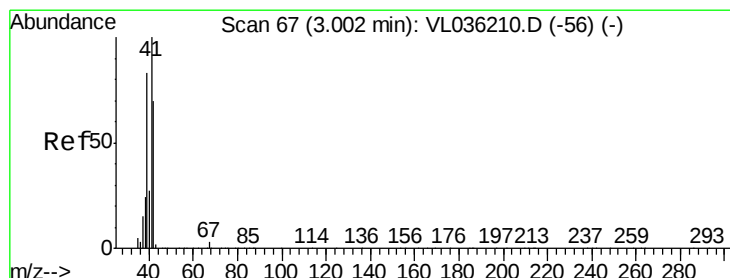
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#9

Propene

Concen: 0.145 ppbv

RT: 3.35 min Scan# 175

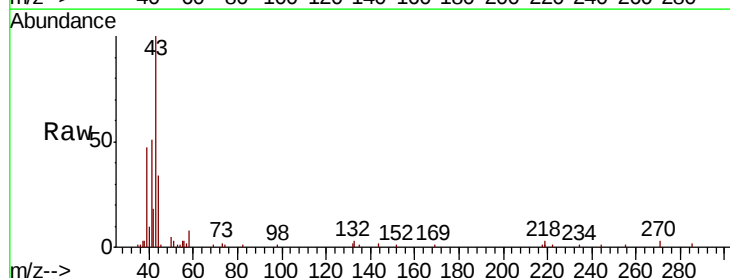
Delta R.T. 0.35 min

Lab File: VL036250.D

Acq: 20 Jan 2021 17:12

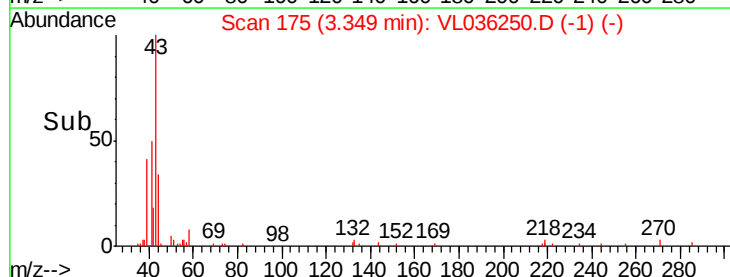
Tgt Ion: 41 Resp: 11745

Ion	Ratio	Lower	Upper
41	100		
42	77.4	57.1	85.7

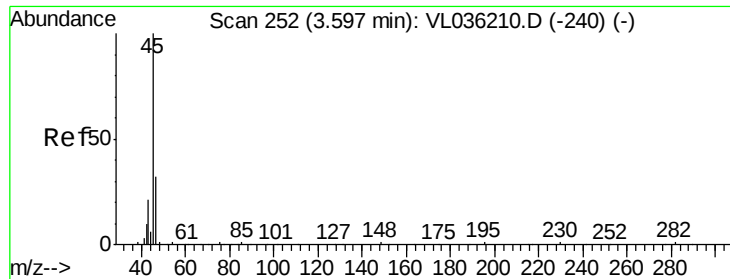


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



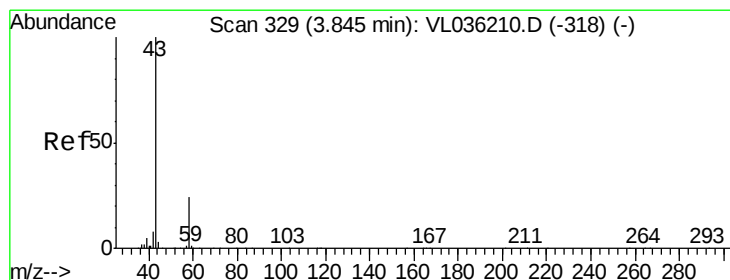
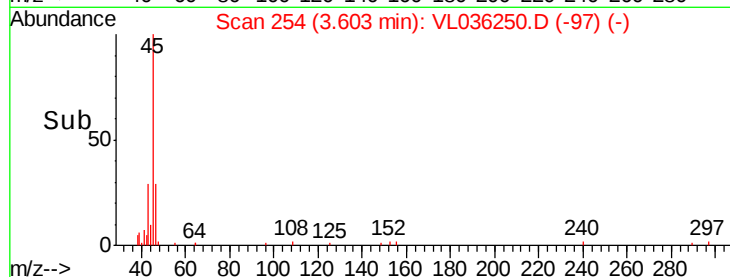
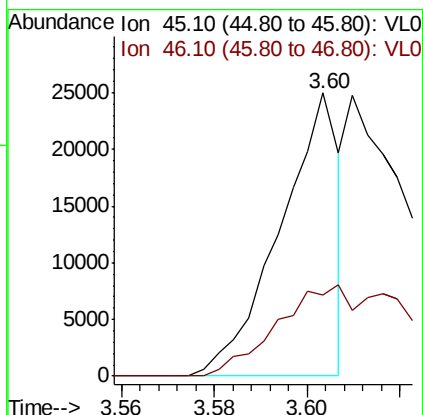
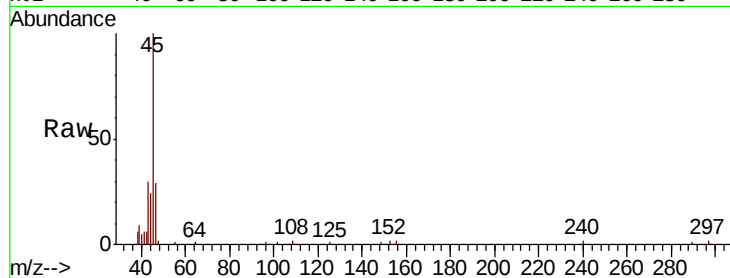
Time-->



#13
Ethanol
Concen: 1.732 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.01 min
Lab File: VL036250.D
Acq: 20 Jan 2021 17:12

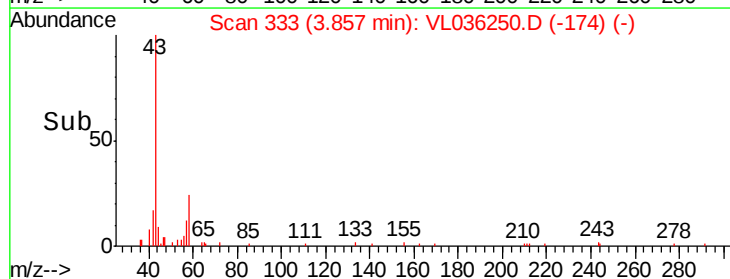
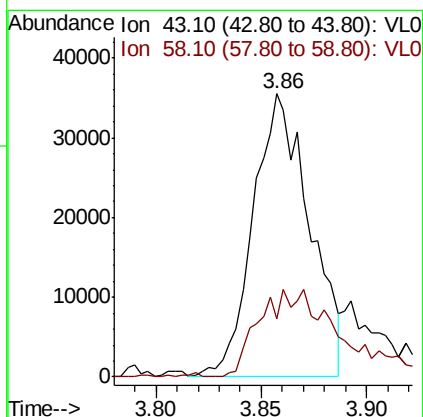
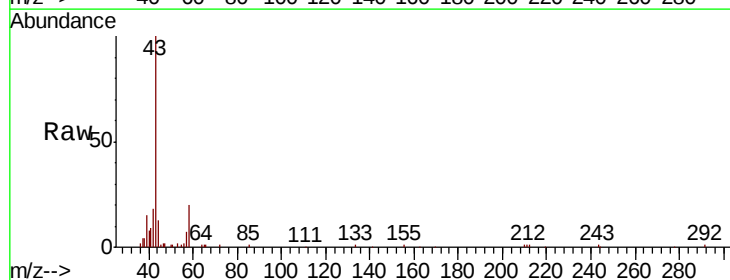
Instrument :
MSVOA_L
ClientSampleId :
IA-2DL

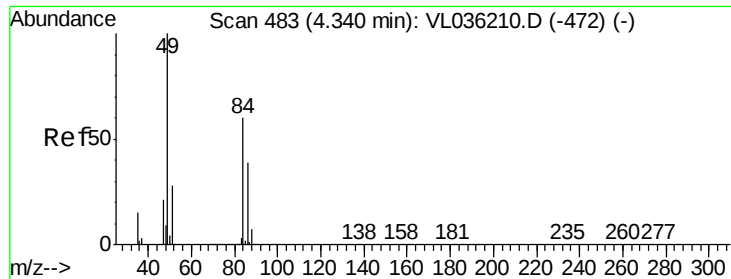
Tot Ion: 45 Resp: 22023
Ion Ratio Lower Upper
45 100
46 0.0 19.2 77.0#



#15
Acetone
Concen: 0.391 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL036250.D
Acq: 20 Jan 2021 17:12

Tgt Ion: 43 Resp: 66254
Ion Ratio Lower Upper
43 100
58 46.3 20.9 31.3#

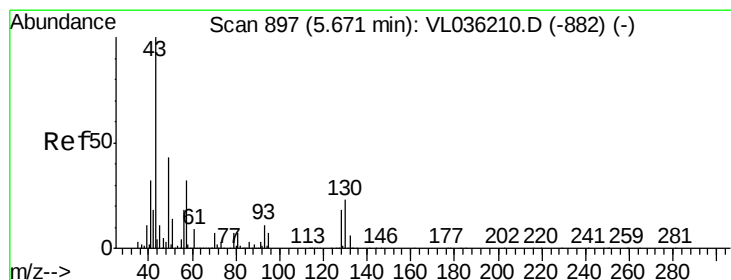
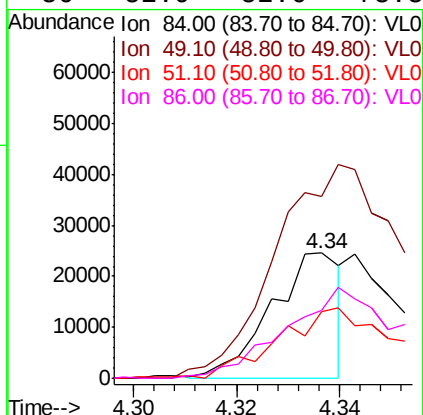
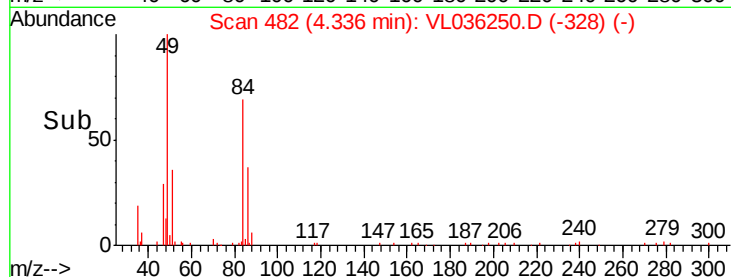
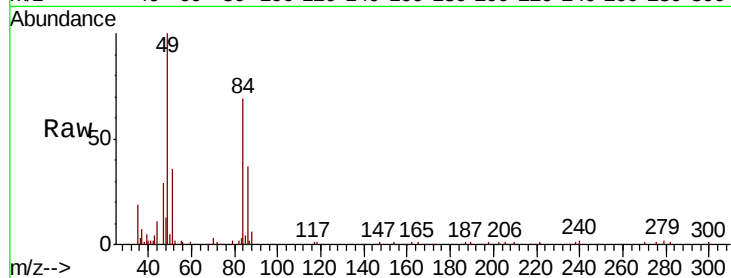




#20
Methylene Chloride
Concen: 0.423 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL036250.D
Acq: 20 Jan 2021 17:12

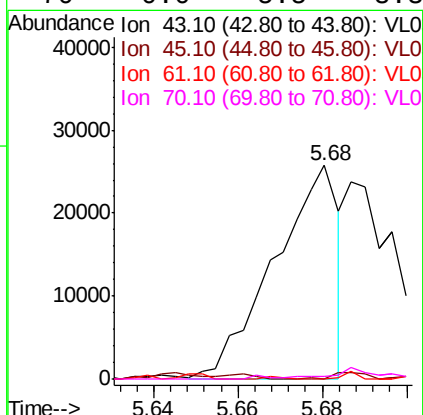
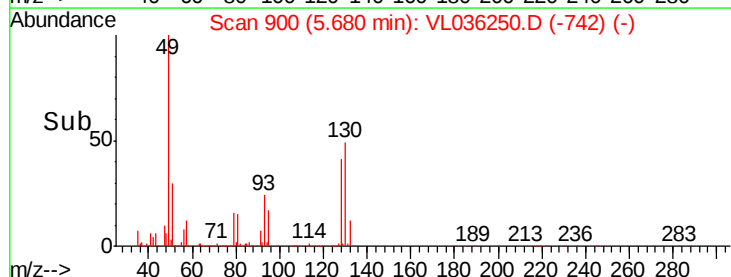
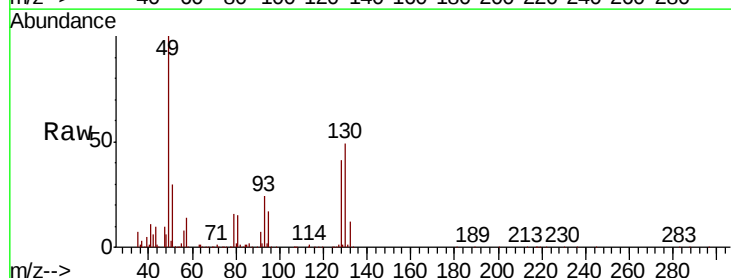
Instrument :
MSVOA_L
ClientSampleID :
IA-2DL

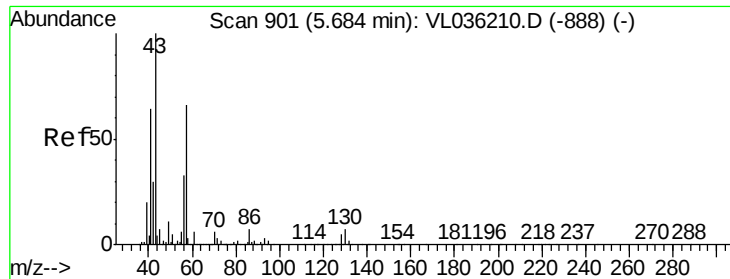
Tot Ion:	84	Resp:	22916
Ion	Ratio	Lower	Upper
84	100		
49	140.5	134.1	201.1
51	52.0	37.4	56.0
86	52.9	52.6	78.8



#25
Ethyl Acetate
Concen: 0.080 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL036250.D
Acq: 20 Jan 2021 17:12

Tgt Ion:	43	Resp:	27172
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.3	12.5#
61	0.0	7.4	11.2#
70	0.0	5.5	8.3#

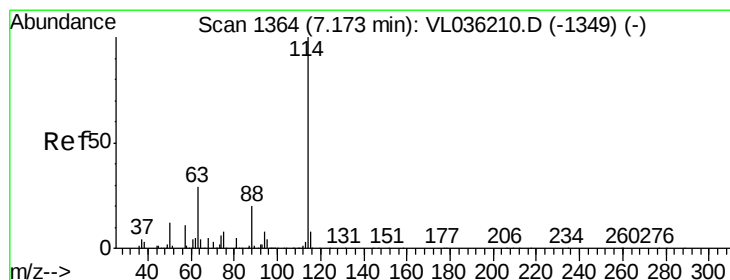
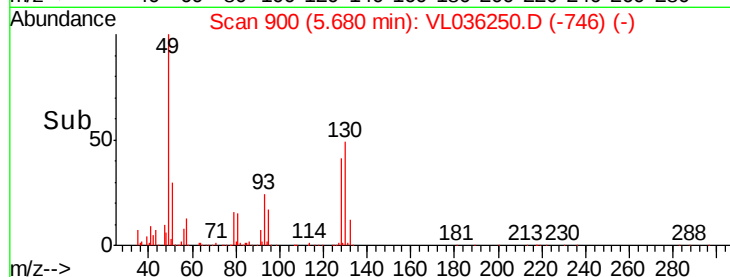
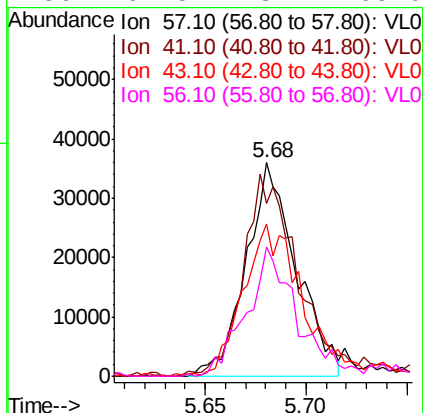
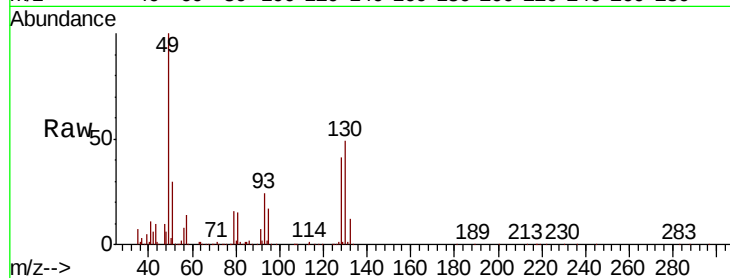




#26
Hexane
Concen: 0.440 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL036250.D
Acq: 20 Jan 2021 17:12

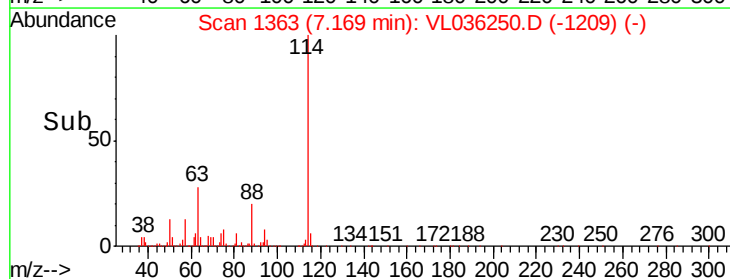
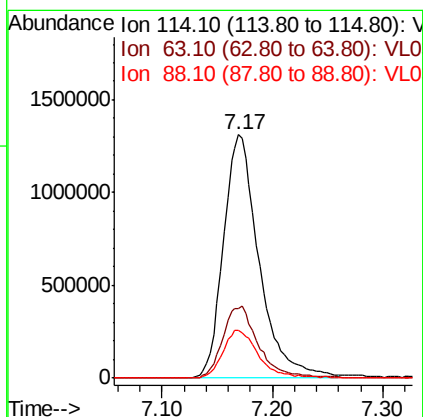
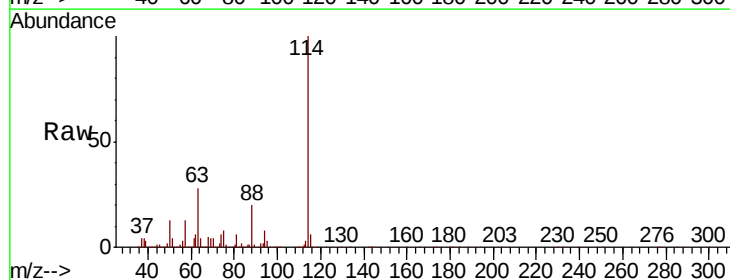
Instrument :
MSVOA_L
ClientSampleId :
IA-2DL

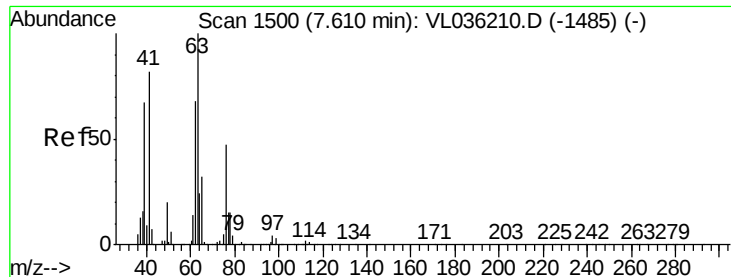
Tot Ion: 57 Resp: 62335
Ion Ratio Lower Upper
57 100
41 108.5 83.0 124.6
43 89.5 202.4 303.6#
56 64.5 43.4 65.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VL036250.D
Acq: 20 Jan 2021 17:12

Tgt Ion:114 Resp: 2938387
Ion Ratio Lower Upper
114 100
63 30.0 24.7 37.1
88 20.1 16.6 24.8

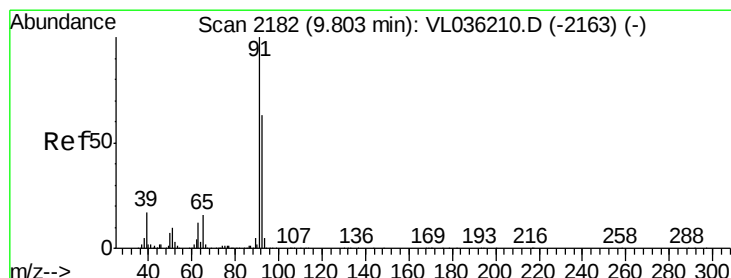
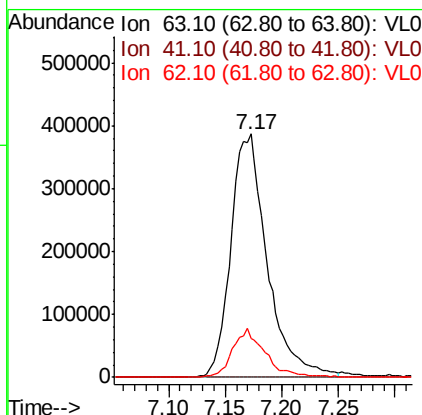
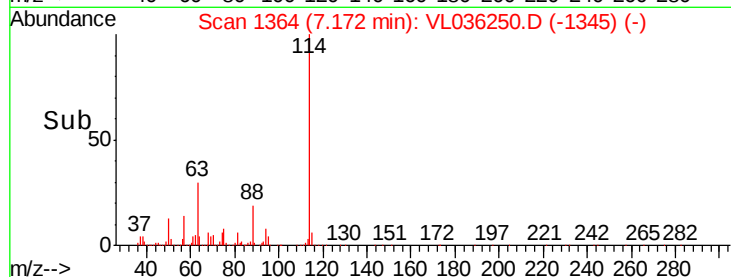
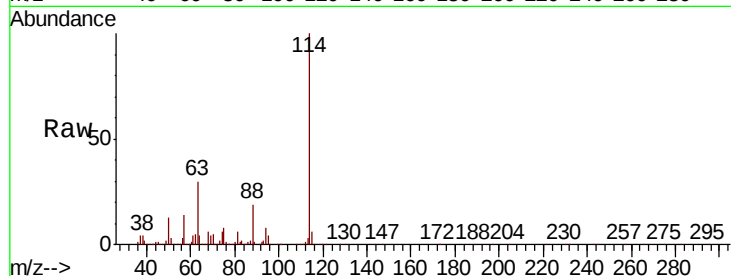




#39
 1,2-Dichloropropane
 Concen: 7.918 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.44 min
 Lab File: VL036250.D
 Acq: 20 Jan 2021 17:12

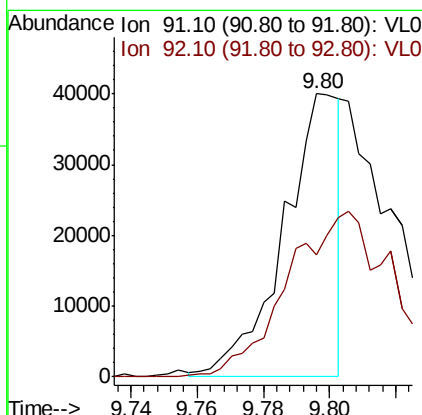
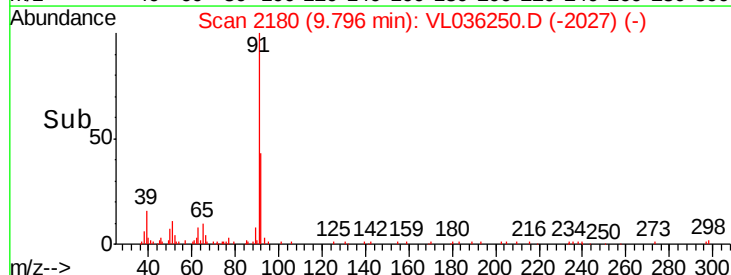
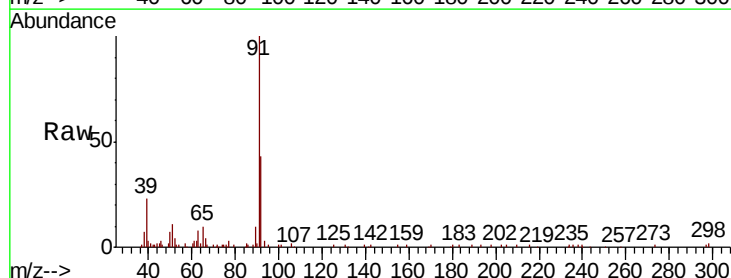
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2DL

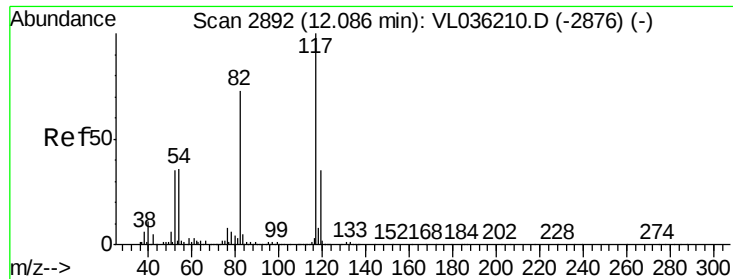
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	66.1	99.1#
62	15.8	54.8	82.2#



#53
 Toluene
 Concen: 0.156 ppbv
 RT: 9.80 min Scan# 2180
 Delta R.T. -0.01 min
 Lab File: VL036250.D
 Acq: 20 Jan 2021 17:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	115.2	48.5	72.7#

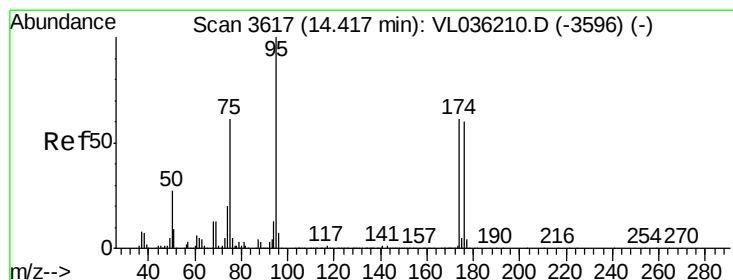
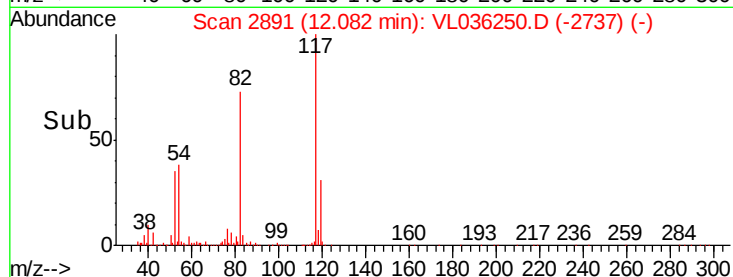
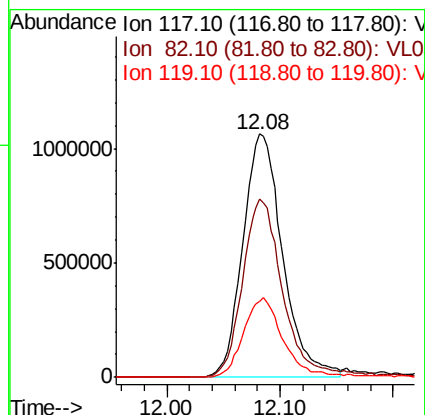
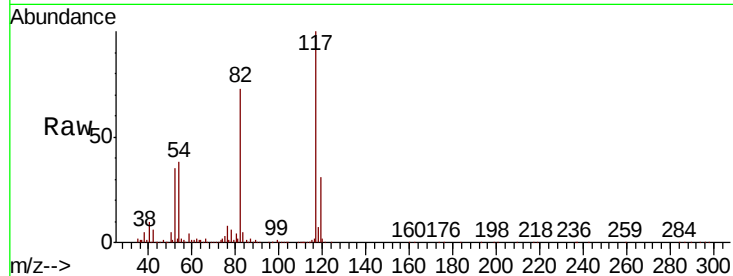




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.00 min
Lab File: VL036250.D
Acq: 20 Jan 2021 17:12

Instrument :
MSVOA_L
ClientSampleId :
IA-2DL

Tot Ion:117 Resp: 2601796
Ion Ratio Lower Upper
117 100
82 75.3 59.7 89.5
119 32.9 28.6 43.0



#68
1-Bromo-4-Fluorobenzene
Concen: 9.766 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. -0.00 min
Lab File: VL036250.D
Acq: 20 Jan 2021 17:12

Tgt Ion: 95 Resp: 2103142
Ion Ratio Lower Upper
95 100
174 64.6 49.4 74.0
175 4.8 3.8 5.8

