

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031921\
 Data File : VL036449.D
 Acq On : 19 Mar 2021 15:46
 Operator :
 Sample : VL0319ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 20 00:41:18 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 03 14:18:24 2021
 QLast Update : Wed Mar 03 14:18:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1684470	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3805623	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3489438	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2877953	10.03	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

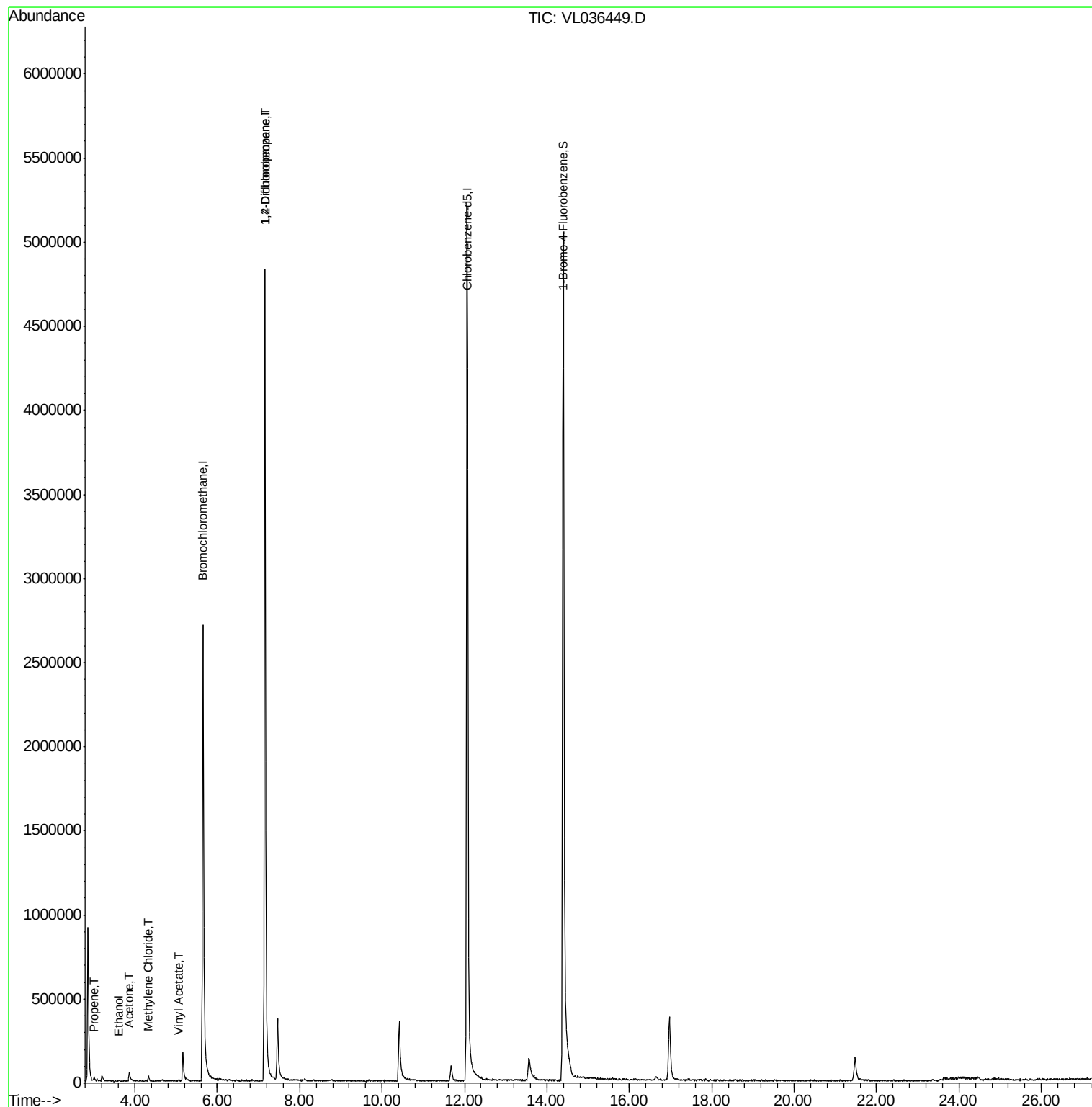
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	5438	0.063	ppbv #	78
13) Ethanol	3.60	45	343	0.026	ppbv #	34
15) Acetone	3.85	43	14559	0.076	ppbv #	49
20) Methylene Chloride	4.32	84	4873	0.075	ppbv	88
23) Vinyl Acetate	5.05	43	7220	0.033	ppbv #	87
39) 1,2-Dichloropropane	7.16	63	1101457	8.772	ppbv #	21

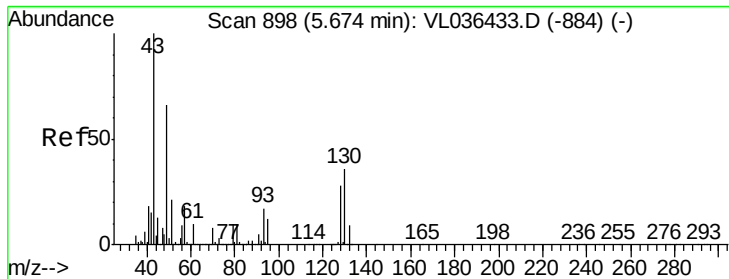
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 03 14:18:24 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.02 min

Lab File: VL036449.D

Acq: 19 Mar 2021 15:46

Instrument :
MSVOA_L
ClientSampleId :

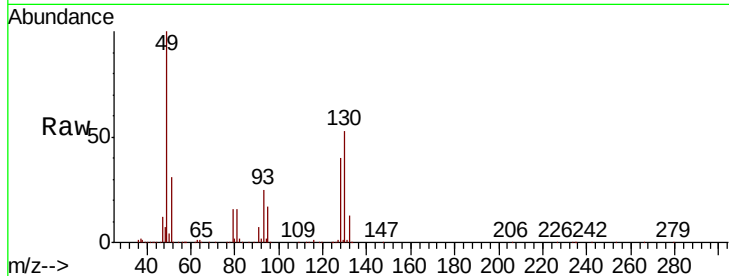
Tot Ion: 49 Resp: 1684470

Ion Ratio Lower Upper

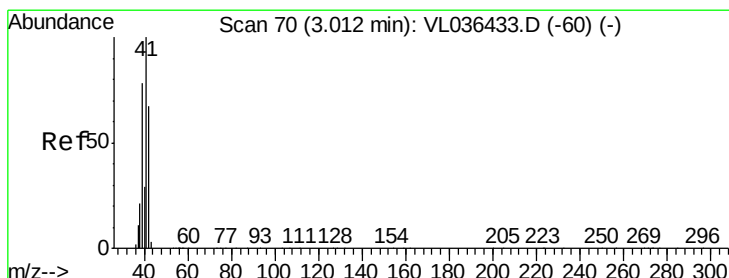
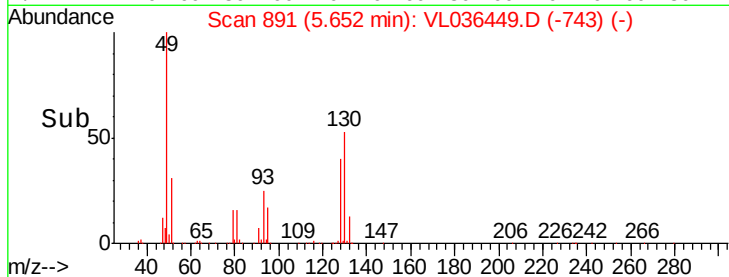
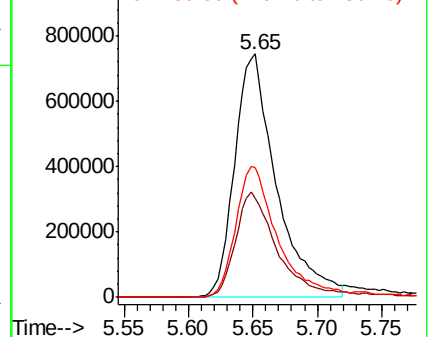
49 100

128 45.5 22.4 67.2

130 57.1 28.0 84.0



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: 0.063 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL036449.D

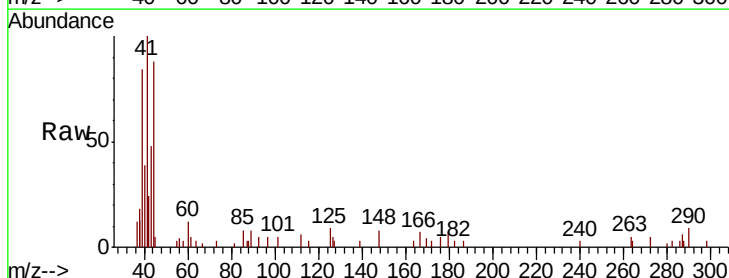
Acq: 19 Mar 2021 15:46

Tgt Ion: 41 Resp: 5438

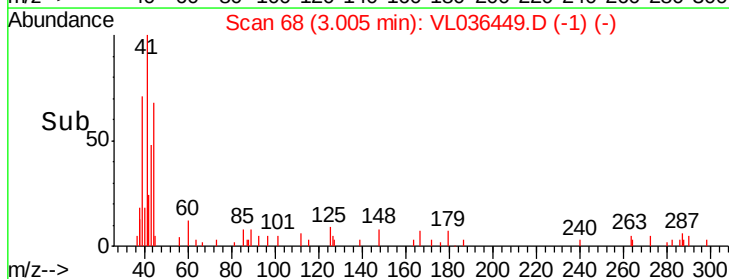
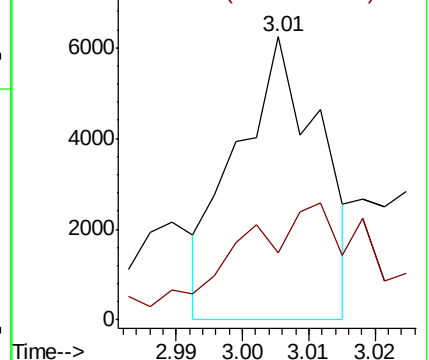
Ion Ratio Lower Upper

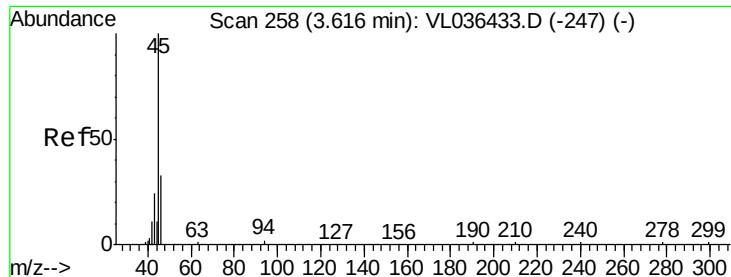
41 100

42 88.7 56.2 84.4#



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

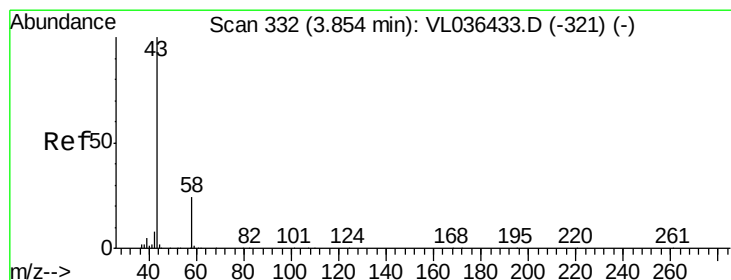
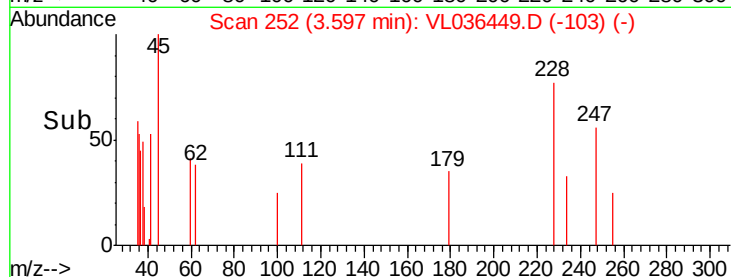
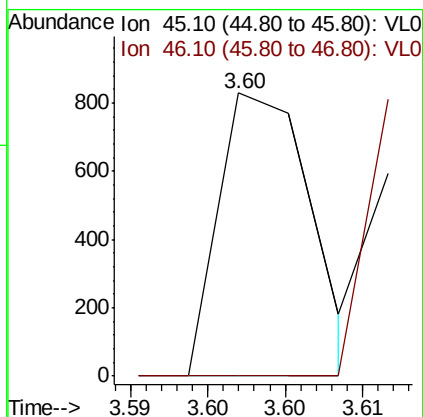
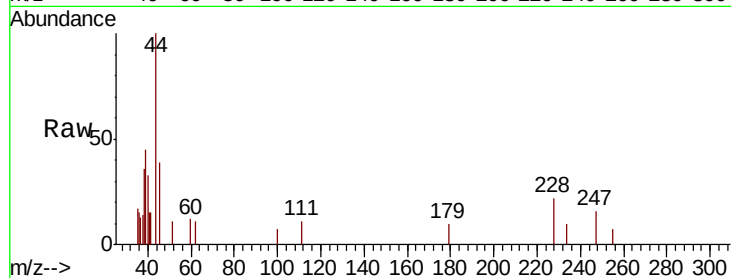




#13
Ethanol
Concen: 0.026 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.02 min
Lab File: VL036449.D
Acq: 19 Mar 2021 15:46

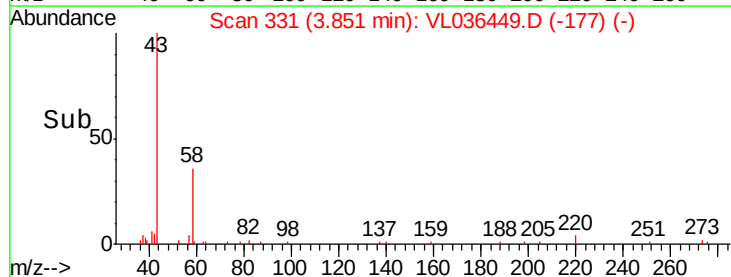
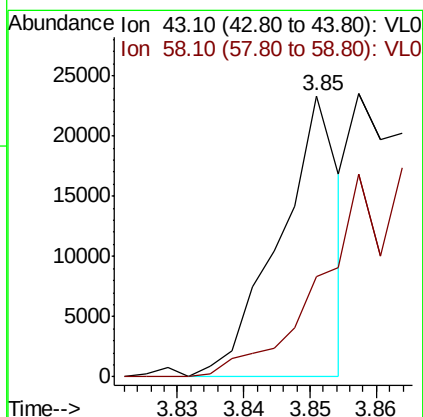
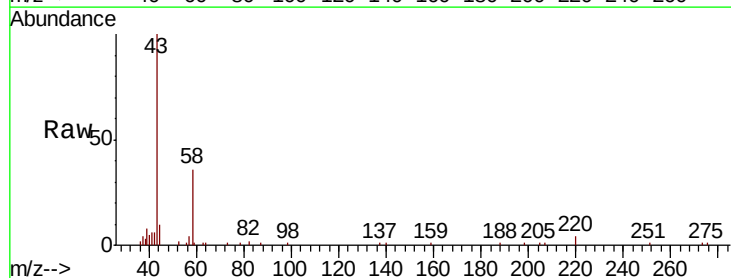
Instrument :
MSVOA_L
ClientSampleId :

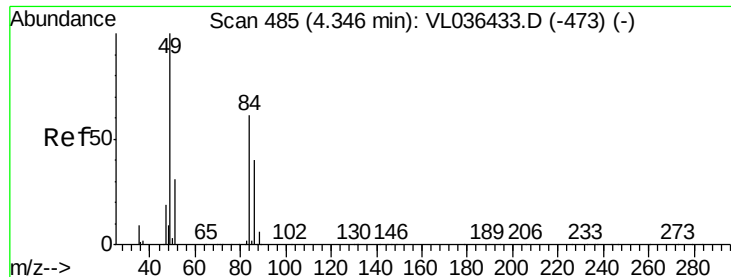
Tot Ion: 45 Resp: 343
Ion Ratio Lower Upper
45 100
46 0.0 16.8 67.4#



#15
Acetone
Concen: 0.076 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL036449.D
Acq: 19 Mar 2021 15:46

Tgt Ion: 43 Resp: 14559
Ion Ratio Lower Upper
43 100
58 0.0 21.0 31.6#

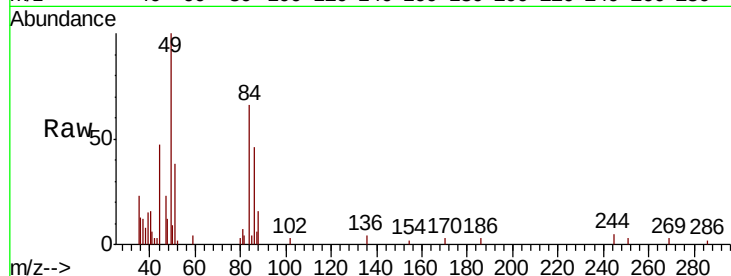




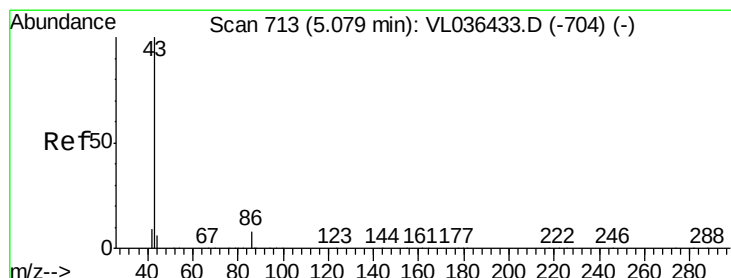
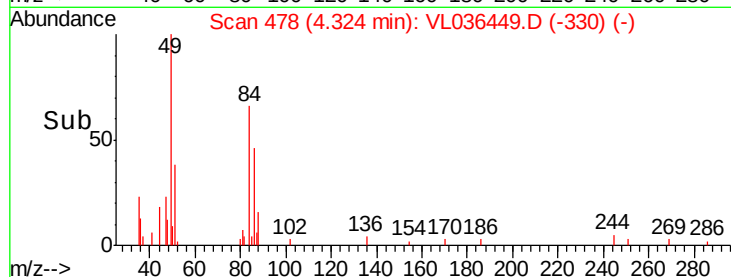
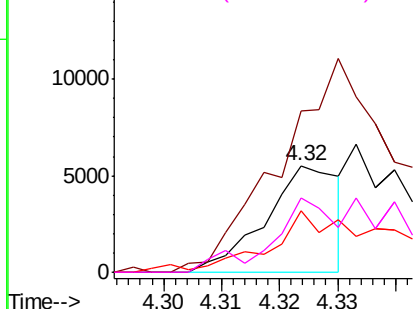
#20
Methylene Chloride
Concen: 0.075 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL036449.D
Acq: 19 Mar 2021 15:46

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	84	Resp:	4873
Ion	Ratio	Lower	Upper
84	100		
49	142.9	130.2	195.2
51	55.3	40.5	60.7
86	69.9	51.4	77.2

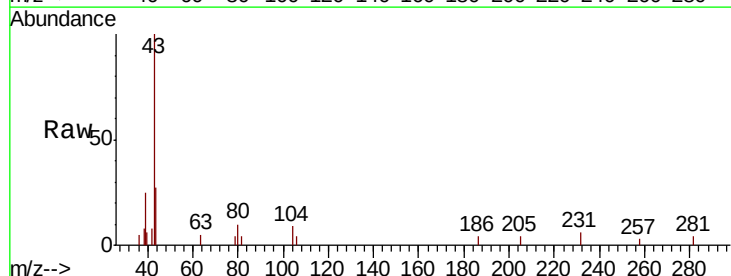


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

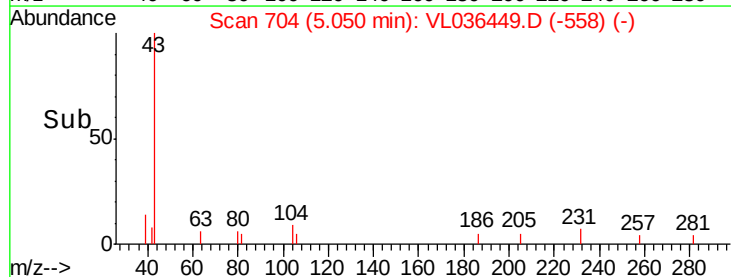
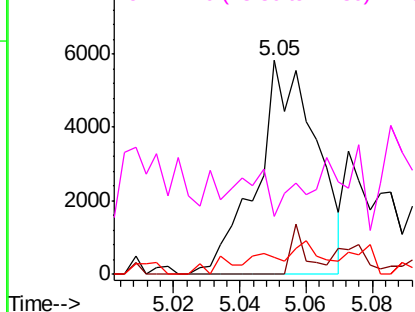


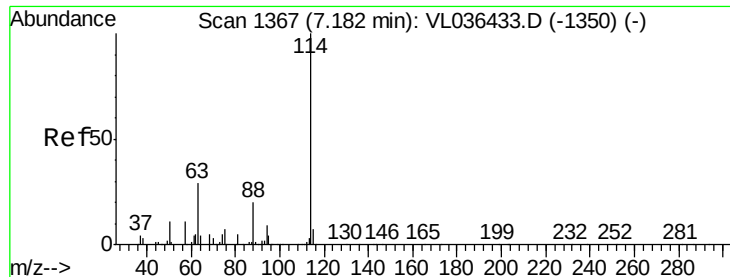
#23
Vinyl Acetate
Concen: 0.033 ppbv
RT: 5.05 min Scan# 704
Delta R.T. -0.03 min
Lab File: VL036449.D
Acq: 19 Mar 2021 15:46

Tgt Ion:	43	Resp:	7220
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.2	7.8#
42	7.5	8.3	12.5#
44	0.0	4.4	6.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0

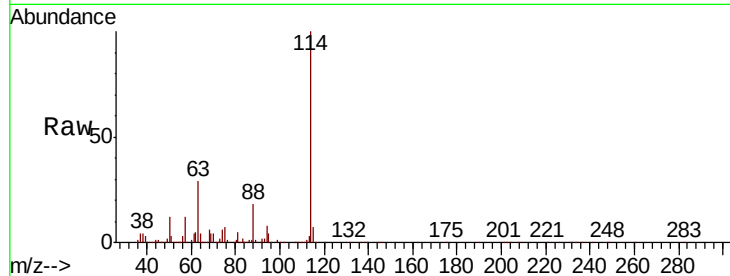




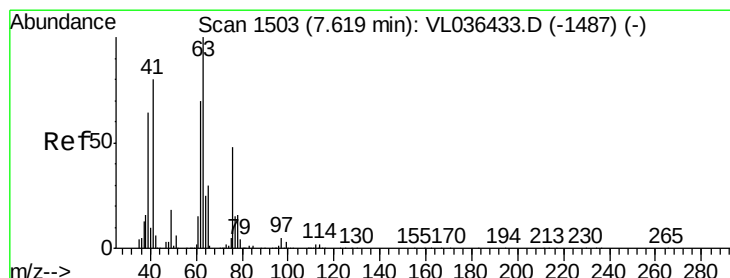
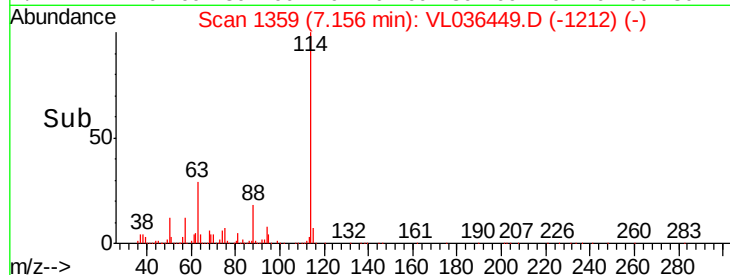
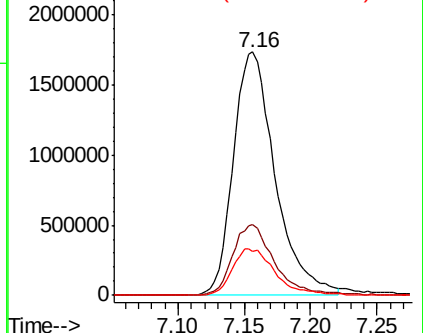
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.03 min
 Lab File: VL036449.D
 Acq: 19 Mar 2021 15:46

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3805623
 Ion Ratio Lower Upper
 114 100
 63 29.4 23.3 34.9
 88 20.0 15.6 23.4

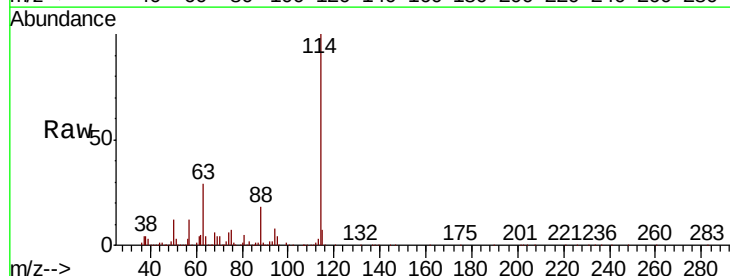


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

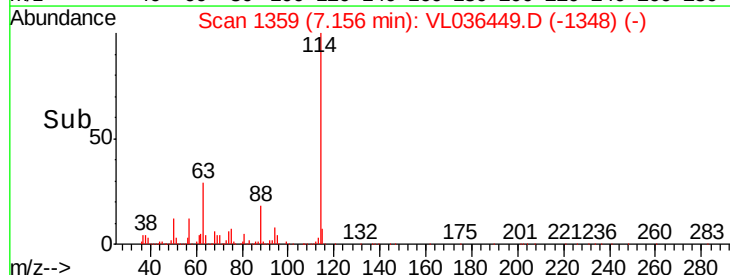
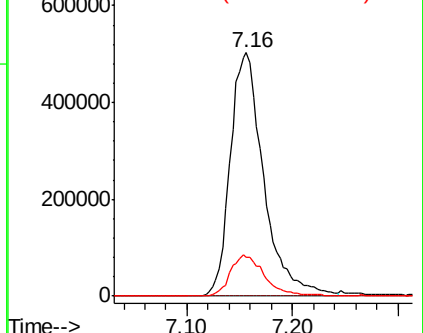


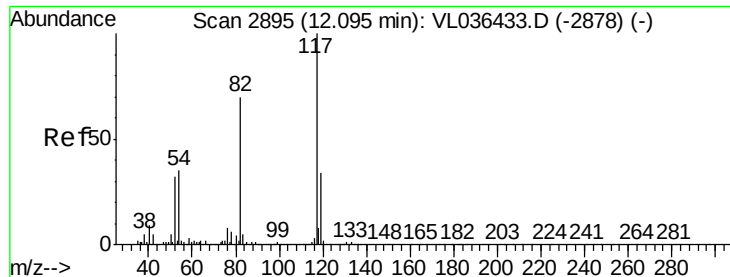
#39
 1,2-Dichloropropane
 Concen: 8.772 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.46 min
 Lab File: VL036449.D
 Acq: 19 Mar 2021 15:46

Tgt Ion: 63 Resp: 1101457
 Ion Ratio Lower Upper
 63 100
 41 0.0 64.4 96.6#
 62 16.1 55.7 83.5#



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: 12.06 min Scan# 2885

Delta R.T. -0.03 min

Lab File: VL036449.D

Acq: 19 Mar 2021 15:46

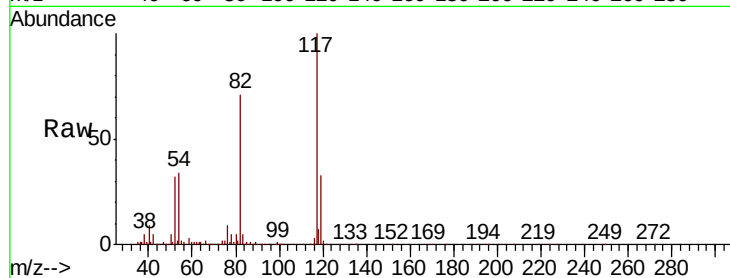
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:117 Resp: 3489438

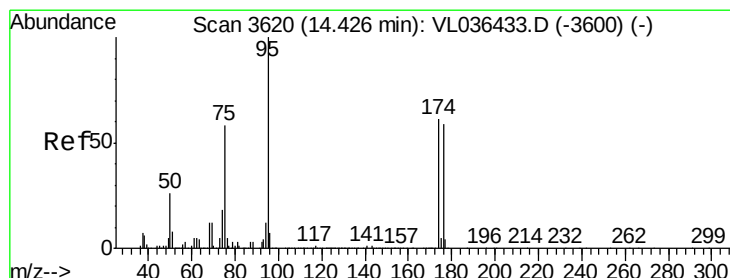
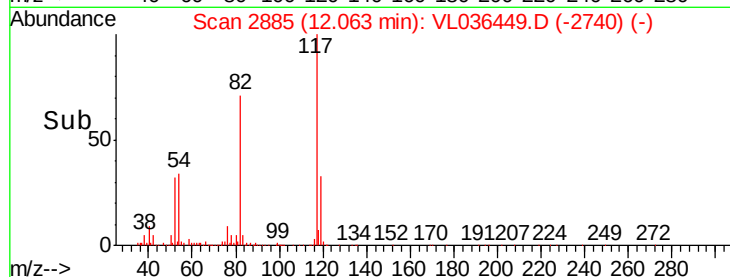
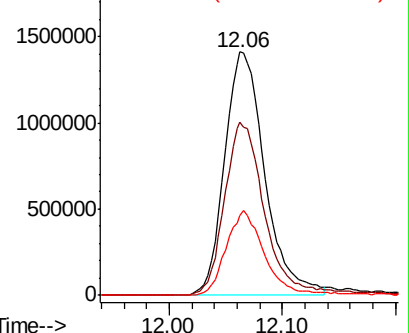
Ion	Ratio	Lower	Upper
117	100		
82	73.2	56.5	84.7
119	34.2	27.0	40.4



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.029 ppbv

RT: 14.39 min Scan# 3610

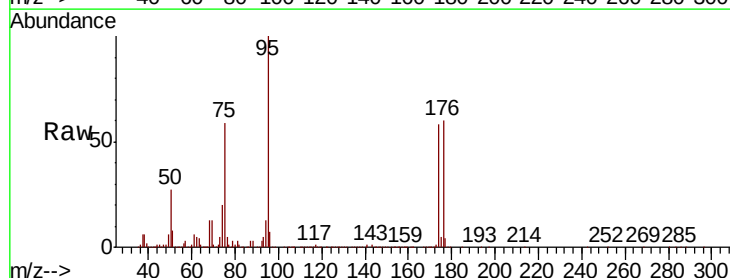
Delta R.T. -0.03 min

Lab File: VL036449.D

Acq: 19 Mar 2021 15:46

Tgt Ion: 95 Resp: 2877953

Ion	Ratio	Lower	Upper
95	100		
174	64.2	51.0	76.4
175	4.7	3.8	5.6



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

