

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036597.D
 Acq On : 31 Mar 2021 11:42
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 01 04:25:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1580596	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3845807	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3275019	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2546938	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

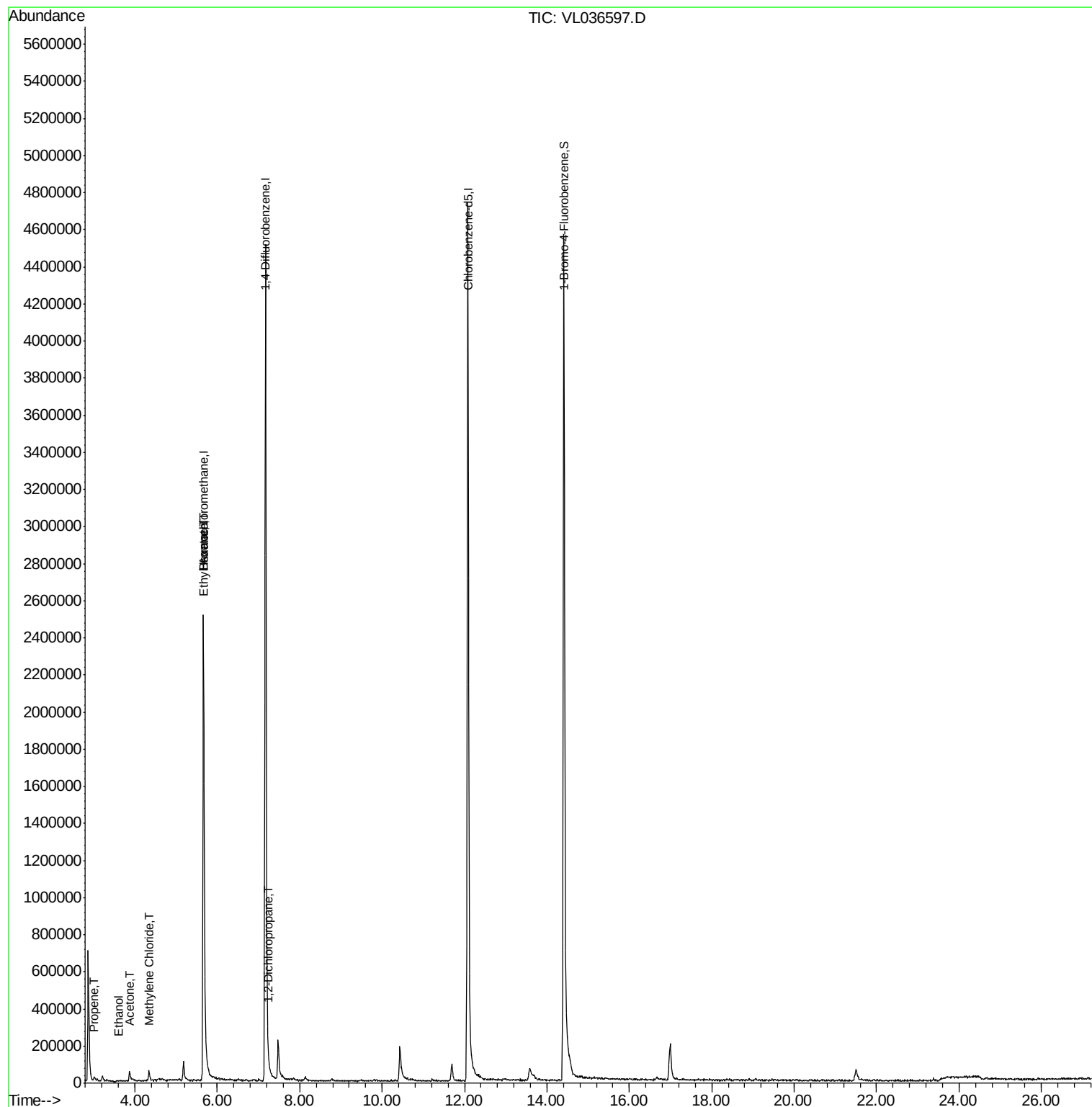
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	5758	0.061	ppbv #	71
13) Ethanol	3.60	45	308	0.027	ppbv #	34
15) Acetone	3.87	43	45633	0.293	ppbv #	1
20) Methylene Chloride	4.34	84	10240	0.141	ppbv	91
25) Ethyl Acetate	5.68	43	8316	0.022	ppbv #	80
26) Hexane	5.67	57	4225	0.025	ppbv #	1
39) 1,2-Dichloropropane	7.24	63	13055	0.091	ppbv #	20

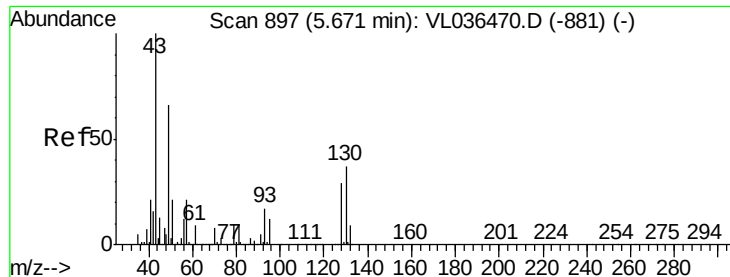
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

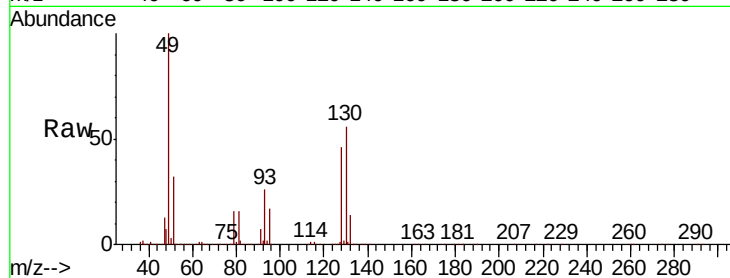
Lab File: VL036597.D

Acq: 31 Mar 2021 11:42

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1580596

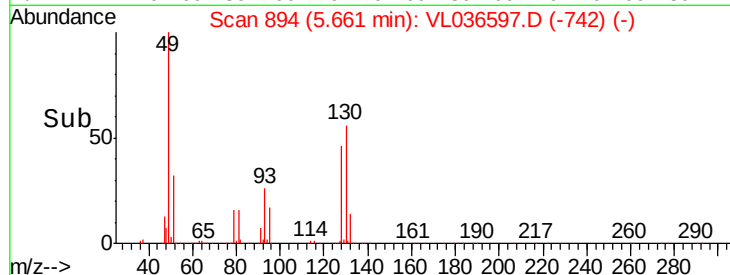
Ion	Ratio	Lower	Upper
49	100		
128	44.9	23.5	70.6
130	59.2	29.1	87.4



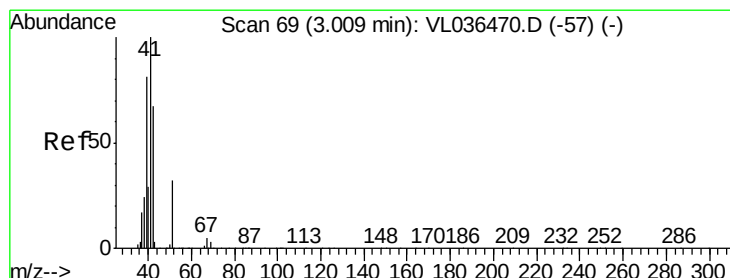
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#9

Propene

Concen: 0.061 ppbv

RT: 3.01 min Scan# 70

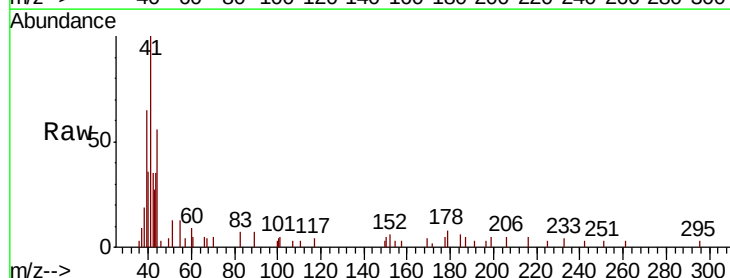
Delta R.T. 0.00 min

Lab File: VL036597.D

Acq: 31 Mar 2021 11:42

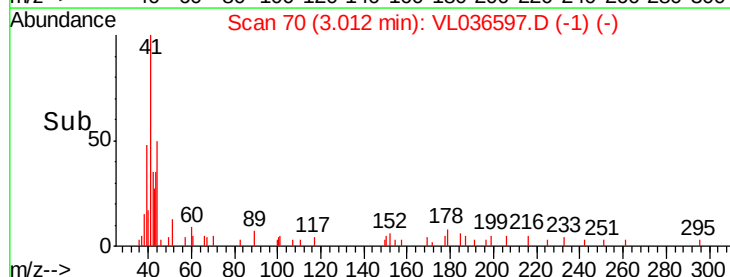
Tgt Ion: 41 Resp: 5758

Ion	Ratio	Lower	Upper
41	100		
42	95.3	57.0	85.4

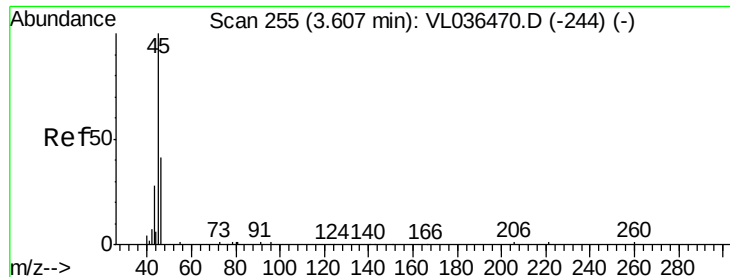


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



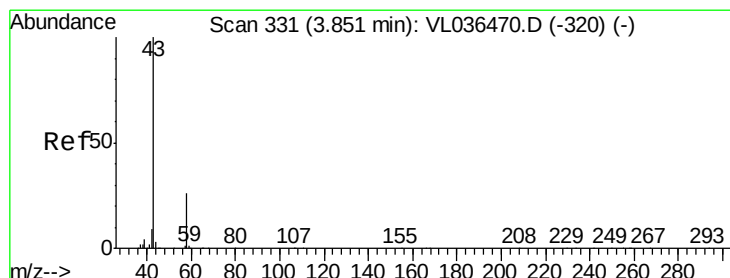
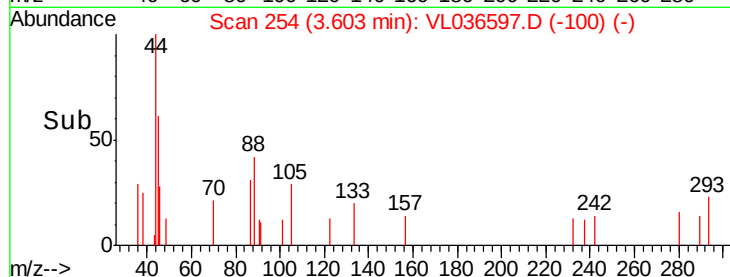
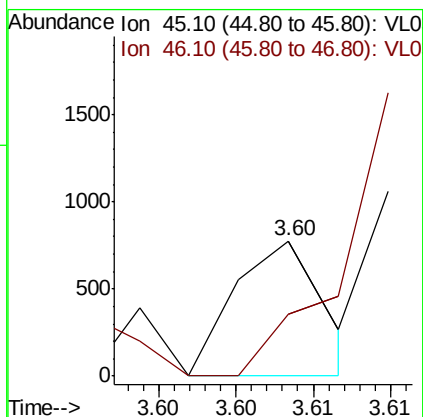
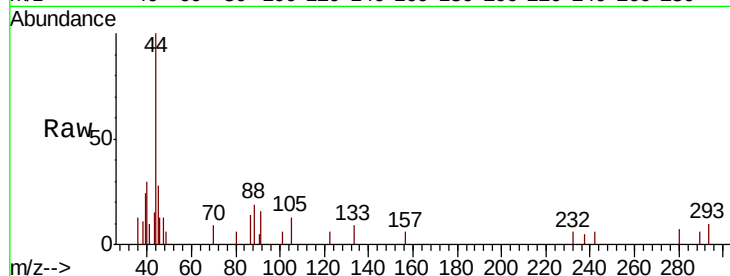
Time-->



#13
Ethanol
Concen: 0.027 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.00 min
Lab File: VL036597.D
Acq: 31 Mar 2021 11:42

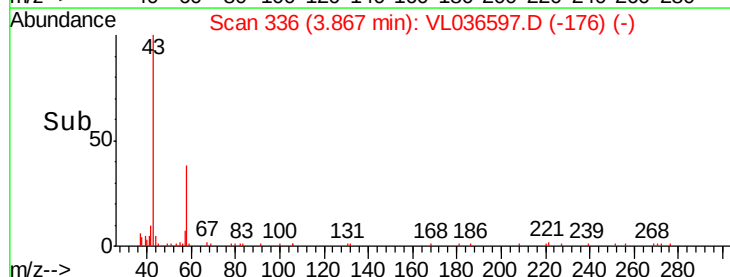
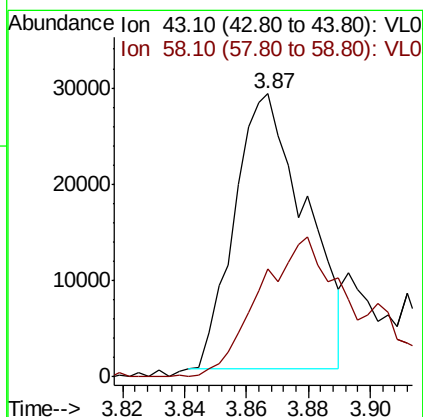
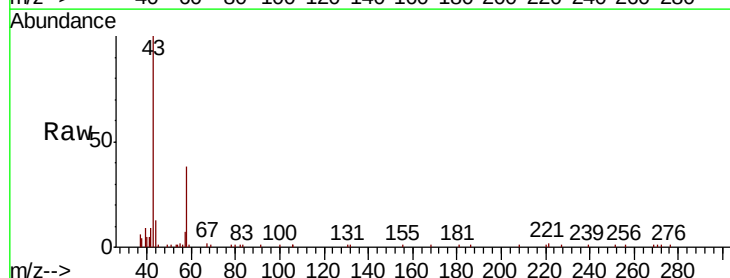
Instrument :
MSVOA_L
ClientSampled :

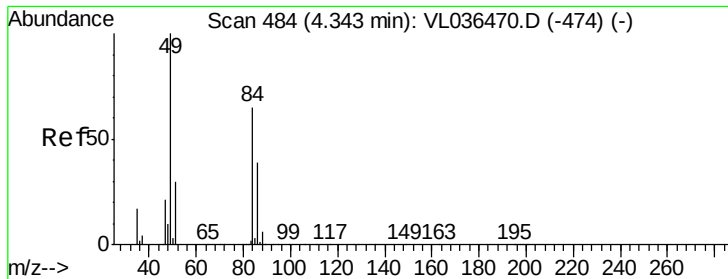
Tot Ion: 45 Resp: 308
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.2#



#15
Acetone
Concen: 0.293 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.02 min
Lab File: VL036597.D
Acq: 31 Mar 2021 11:42

Tgt Ion: 43 Resp: 45633
Ion Ratio Lower Upper
43 100
58 82.0 21.2 31.8#

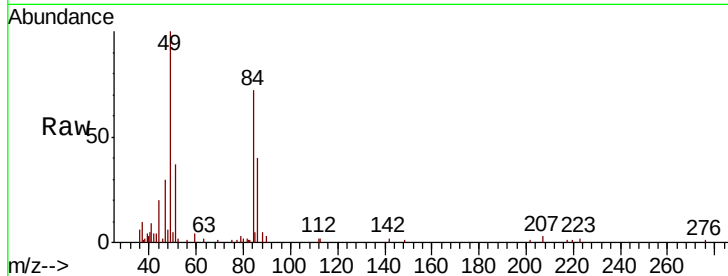




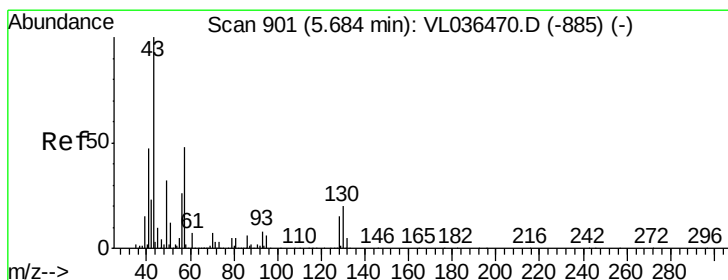
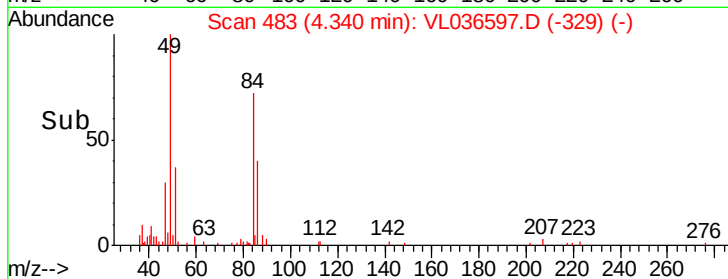
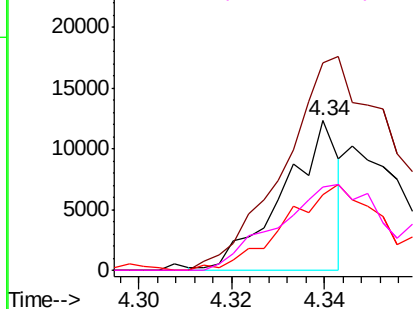
#20
Methylene Chloride
Concen: 0.141 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL036597.D
Acq: 31 Mar 2021 11:42

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	84	Resp:	10240
Ion	Ratio	Lower	Upper
84	100		
49	140.9	122.9	184.3
51	51.6	36.9	55.3
86	56.3	48.2	72.4

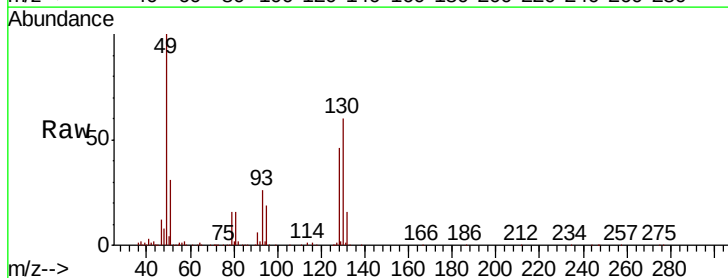


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

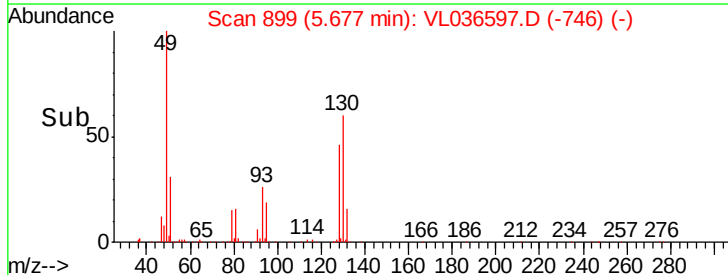
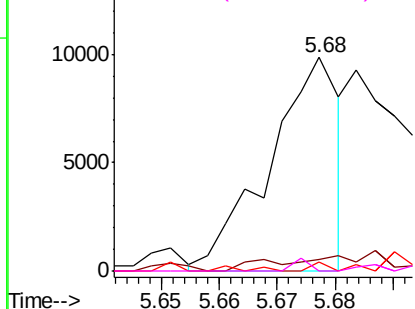


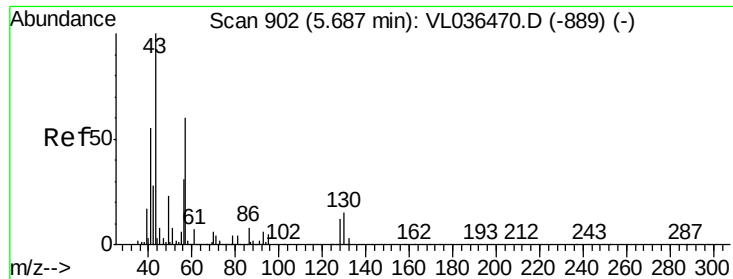
#25
Ethyl Acetate
Concen: 0.022 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL036597.D
Acq: 31 Mar 2021 11:42

Tgt Ion:	43	Resp:	8316
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.9	11.9#
61	0.0	7.4	11.2#
70	5.4	5.1	7.7



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

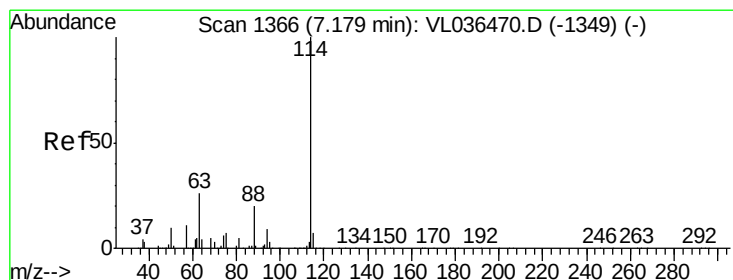
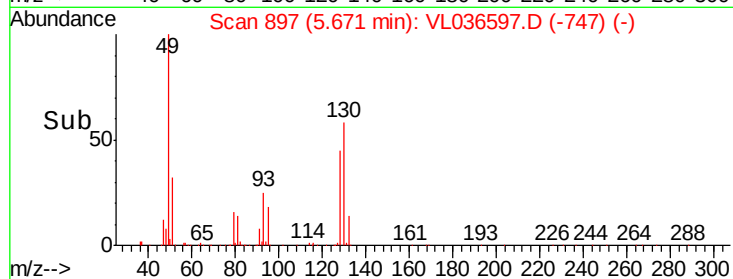
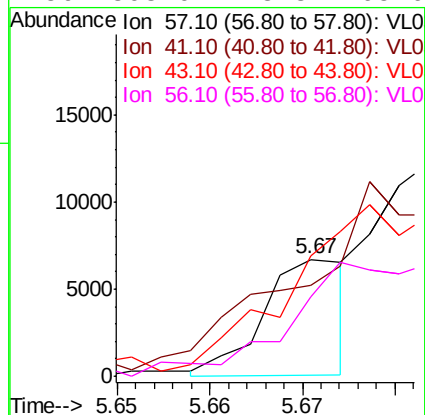
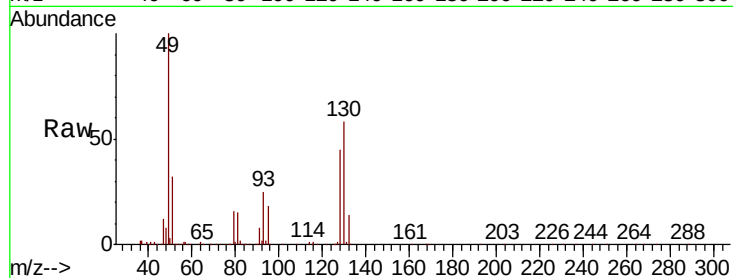




#26
Hexane
Concen: 0.025 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.02 min
Lab File: VL036597.D
Acq: 31 Mar 2021 11:42

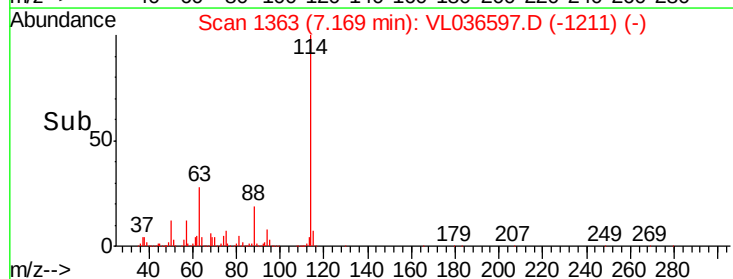
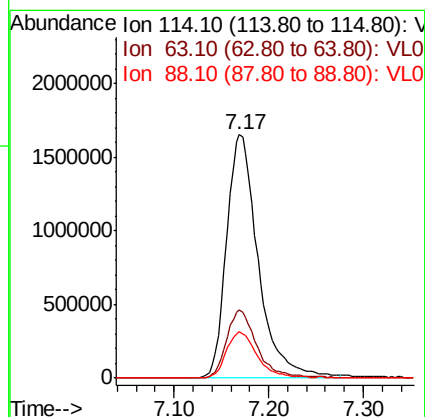
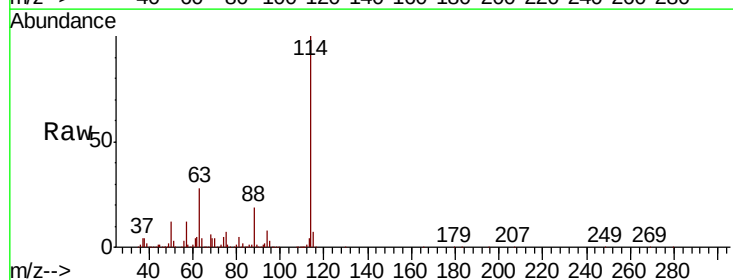
Instrument :
MSVOA_L
ClientSampled :

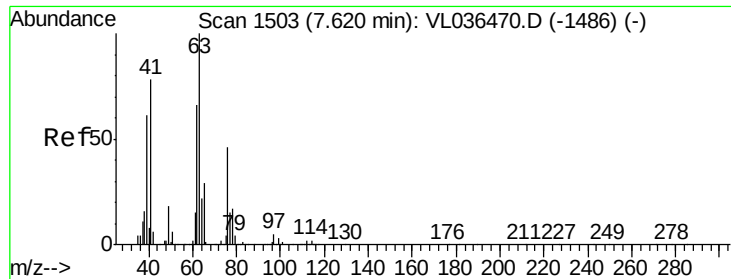
Tot Ion: 57 Resp: 4225
Ion Ratio Lower Upper
57 100
41 558.8 77.2 115.8#
43 528.5 173.8 260.6#
56 308.0 43.8 65.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL036597.D
Acq: 31 Mar 2021 11:42

Tgt Ion: 114 Resp: 3845807
Ion Ratio Lower Upper
114 100
63 27.3 22.4 33.6
88 19.0 15.4 23.0





#39

1,2-Dichloropropane

Concen: 0.091 ppbv

RT: 7.24 min Scan# 1386

Delta R.T. -0.38 min

Lab File: VL036597.D

Acq: 31 Mar 2021 11:42

Instrument :

MSVOA_L

ClientSampled :

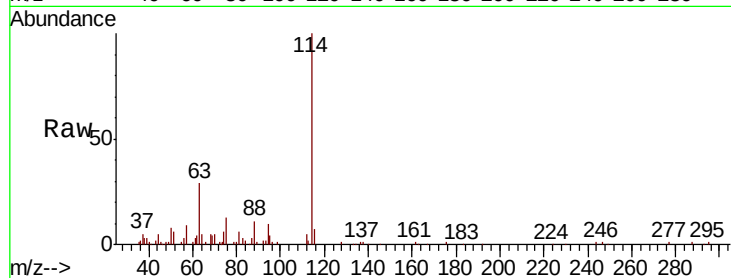
Tot Ion: 63 Resp: 13055

Ion Ratio Lower Upper

63 100

41 0.0 62.4 93.6#

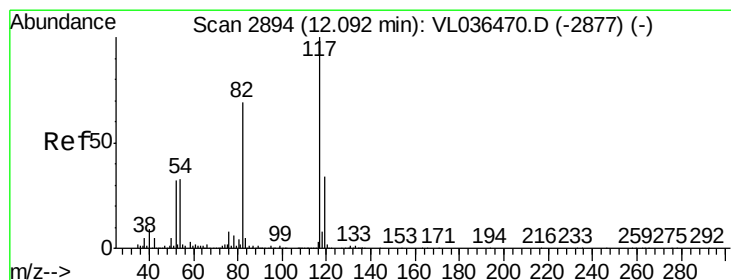
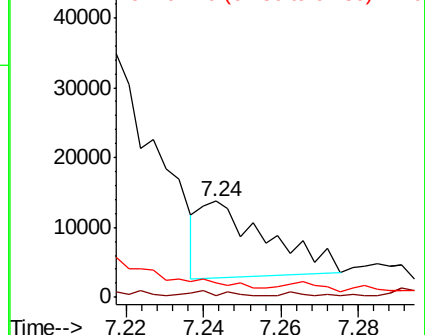
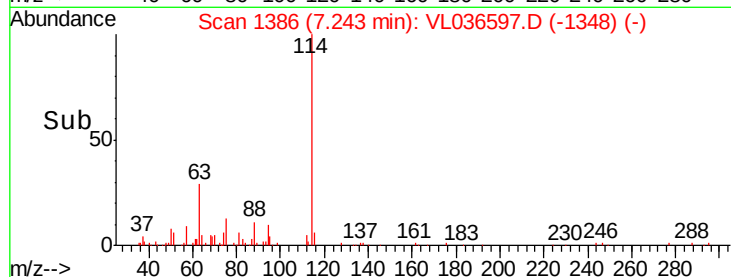
62 11.3 52.8 79.2#



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: 12.08 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL036597.D

Acq: 31 Mar 2021 11:42

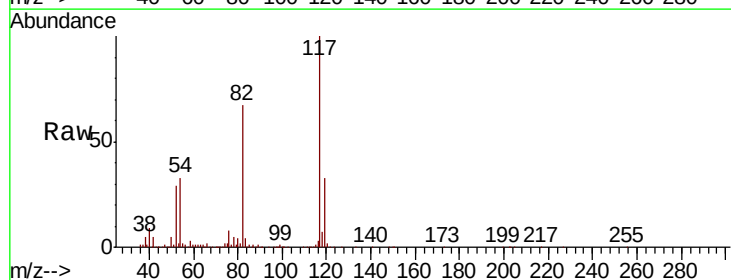
Tgt Ion: 117 Resp: 3275019

Ion Ratio Lower Upper

117 100

82 69.5 57.4 86.0

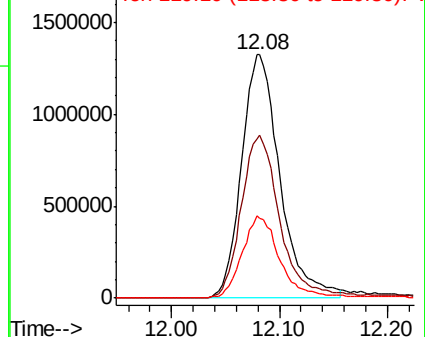
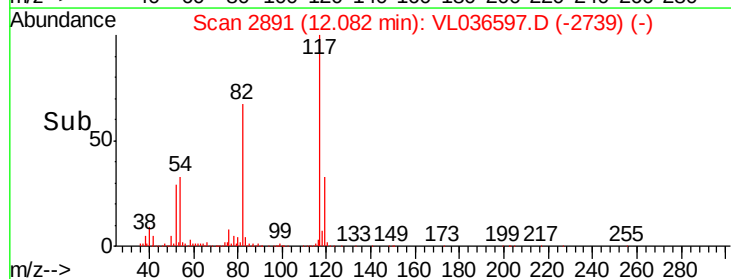
119 33.4 47.4 71.0#

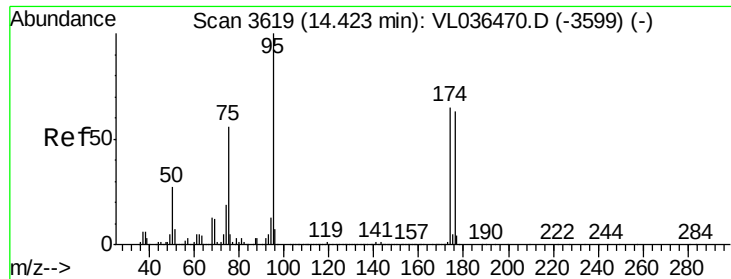


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.758 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.01 min

Lab File: VL036597.D

Acq: 31 Mar 2021 11:42

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2546938

Ion Ratio Lower Upper

95 100

174 66.9 51.0 76.6

175 4.9 3.9 5.9

