

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036478.D
 Acq On : 25 Mar 2021 8:27
 Operator :
 Sample : VL0325ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 26 03:48:01 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	1547327	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3539731	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3096127	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2424780	9.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

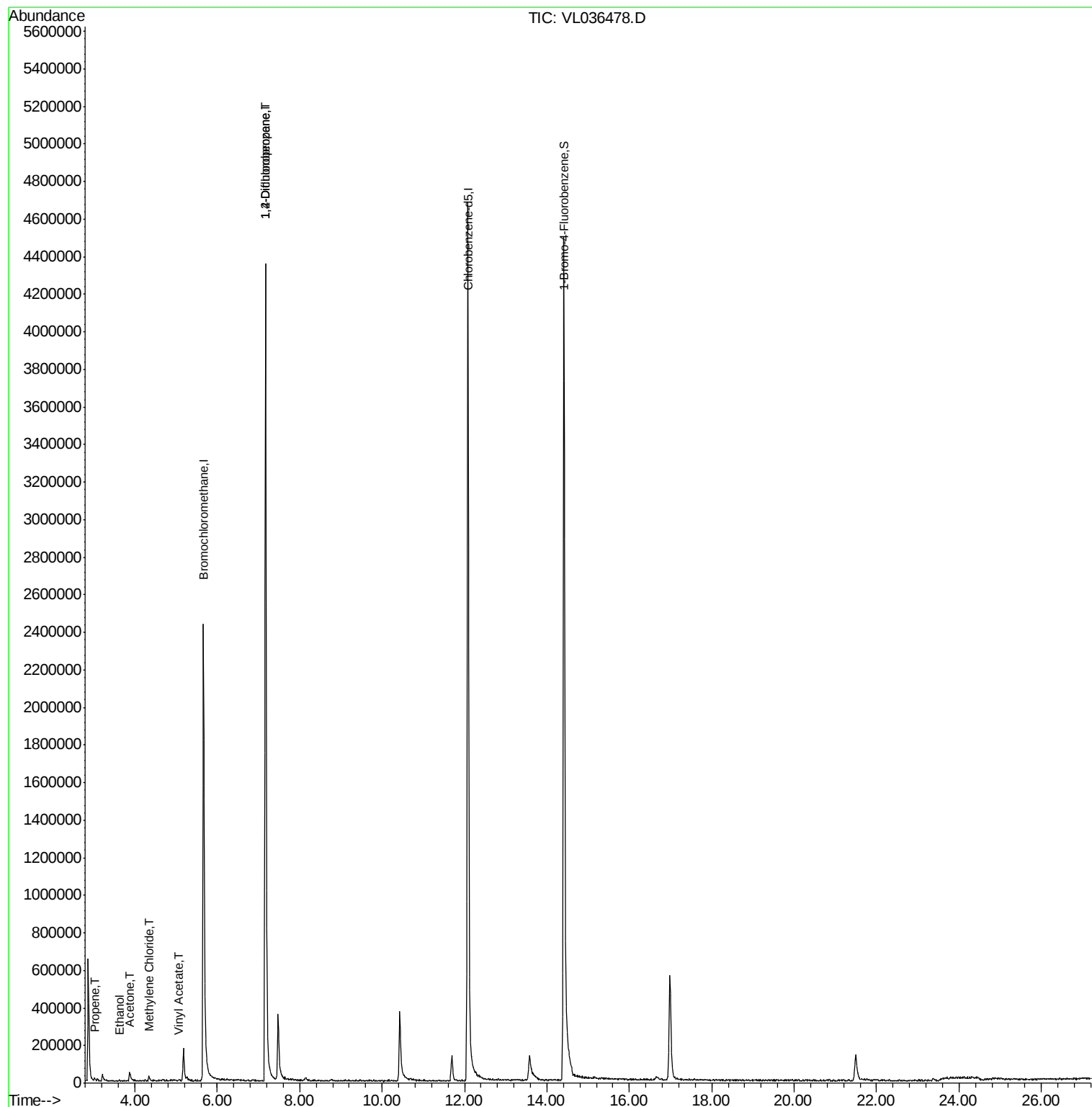
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	2765	0.030	ppbv #	14
13) Ethanol	3.61	45	669	0.061	ppbv #	34
15) Acetone	3.87	43	35430	0.233	ppbv #	1
20) Methylene Chloride	4.33	84	2039	0.029	ppbv #	51
23) Vinyl Acetate	5.07	43	6191	0.024	ppbv #	77
39) 1,2-Dichloropropane	7.17	63	960493	7.253	ppbv #	23

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 8:27

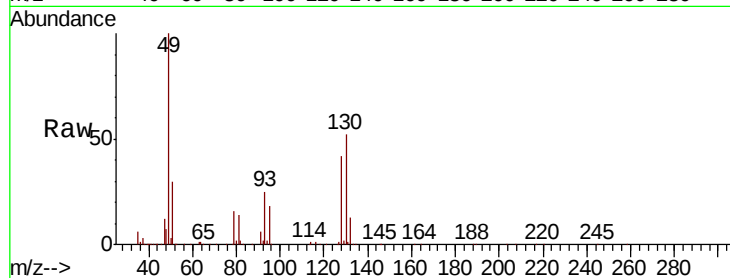
Tot Ion: 49 Resp: 1547327

Ion Ratio Lower Upper

49 100

128 44.5 23.5 70.6

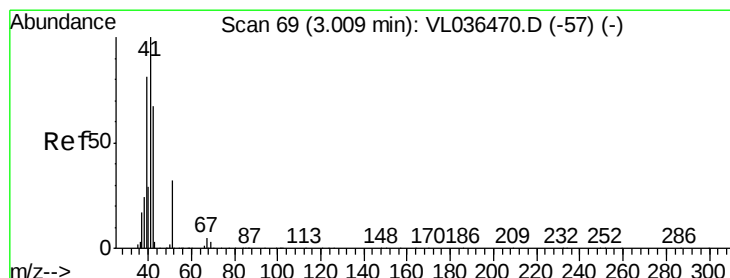
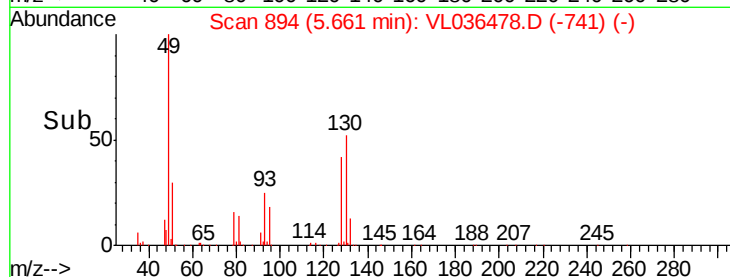
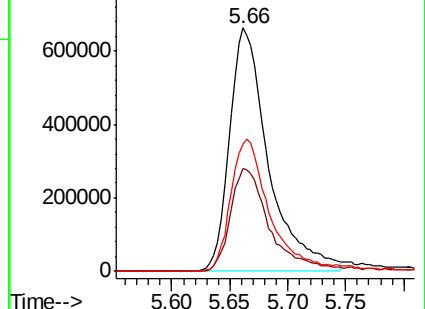
130 56.5 29.1 87.4



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



#9

Propene

Concen: 0.030 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL036478.D

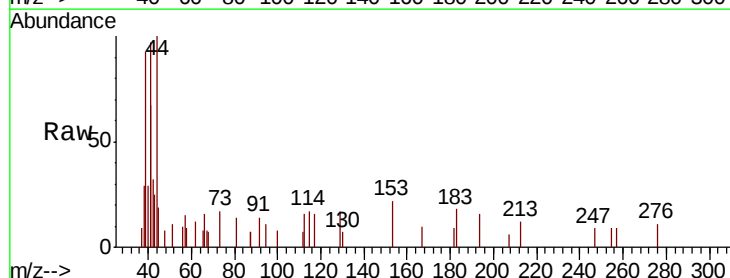
Acq: 25 Mar 2021 8:27

Tgt Ion: 41 Resp: 2765

Ion Ratio Lower Upper

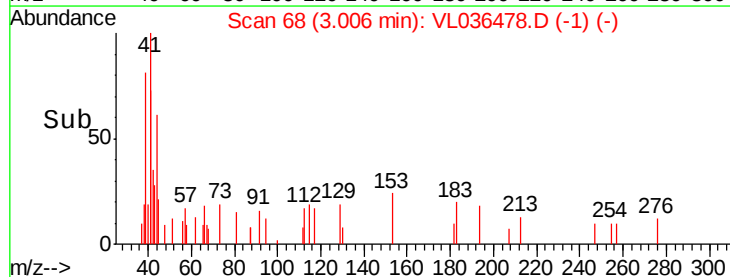
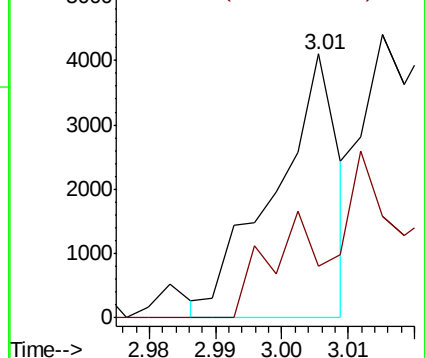
41 100

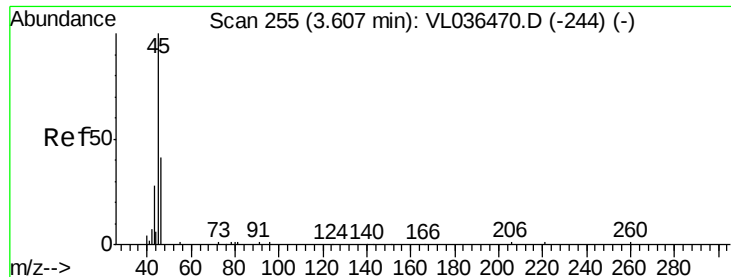
42 0.0 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.061 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

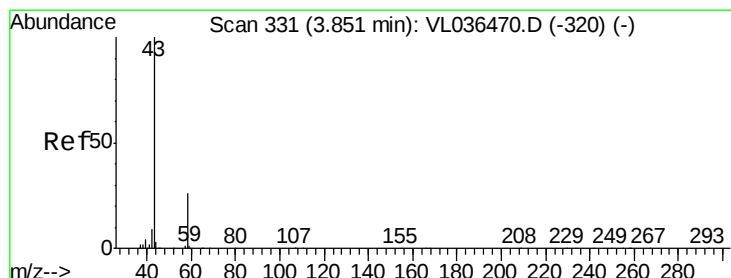
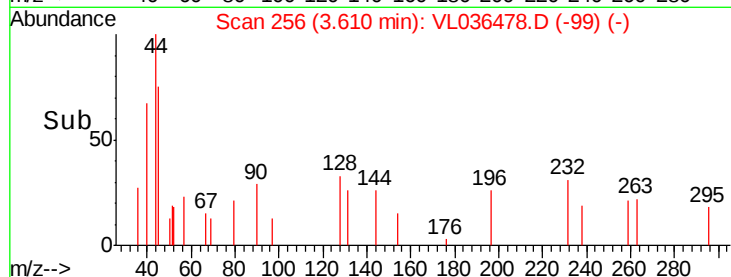
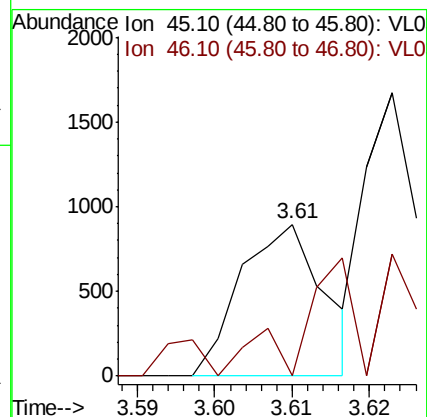
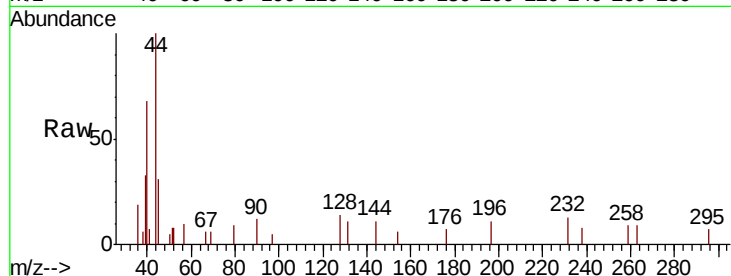
Acq: 25 Mar 2021 8:27

Tot Ion: 45 Resp: 669

Ion Ratio Lower Upper

45 100

46 0.0 16.6 66.2#



#15

Acetone

Concen: 0.233 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.02 min

Lab File: VL036478.D

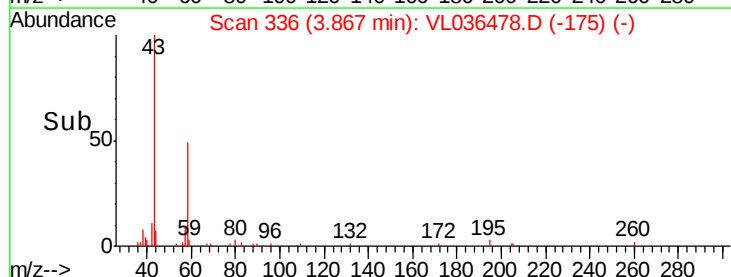
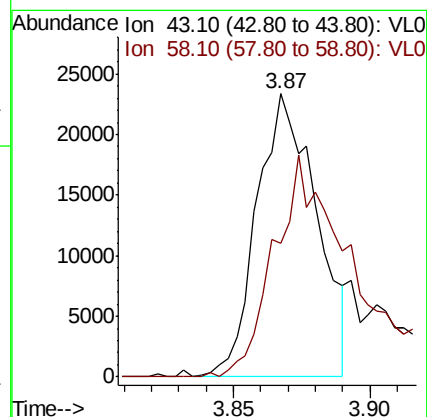
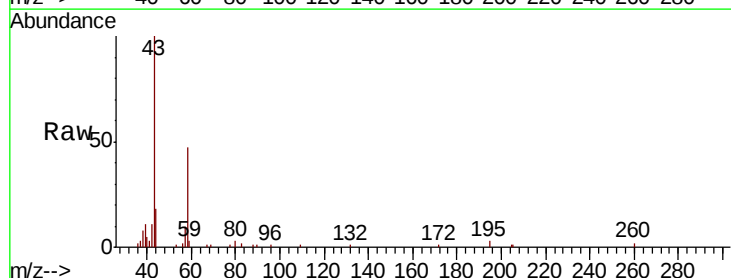
Acq: 25 Mar 2021 8:27

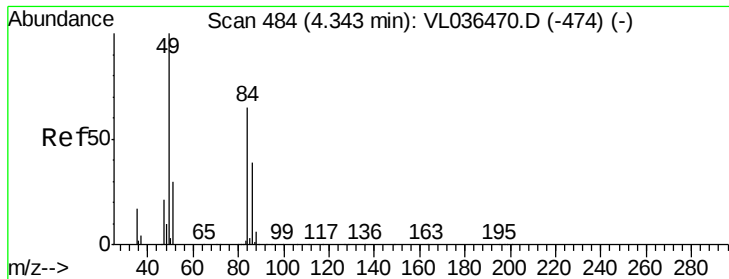
Tgt Ion: 43 Resp: 35430

Ion Ratio Lower Upper

43 100

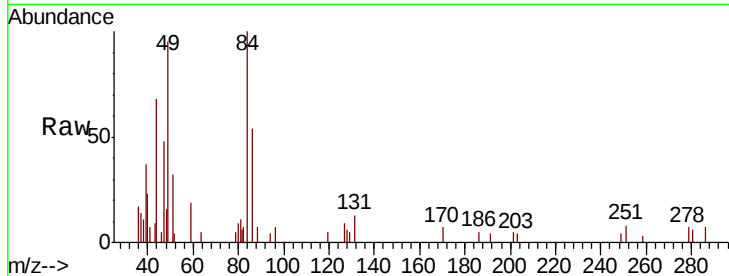
58 105.2 21.2 31.8#





#20
Methylene Chloride
Concen: 0.029 ppbv
RT: 4.33 Instrument: MSVOA_1
Delta R.T. ClientSampleId:
Lab File:
Acq: 25 Mar 2021 8:27

Tot Ion:	84	Resp:	2039
Ion	Ratio	Lower	Upper
84	100		
49	74.1	122.9	184.3#
51	15.4	36.9	55.3#
86	46.5	48.2	72.4#



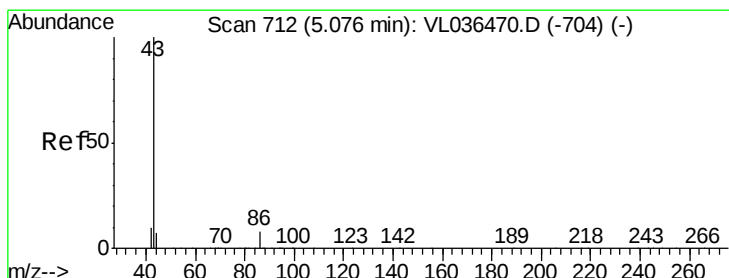
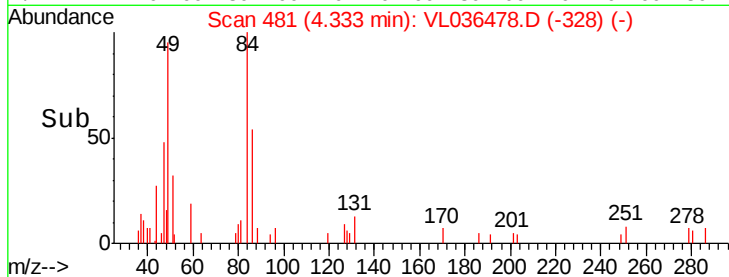
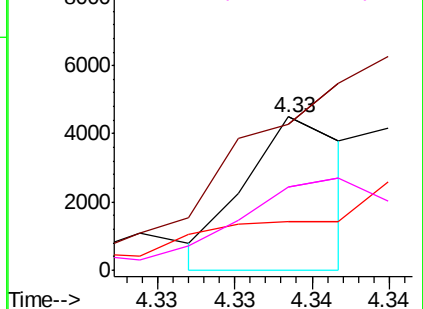
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

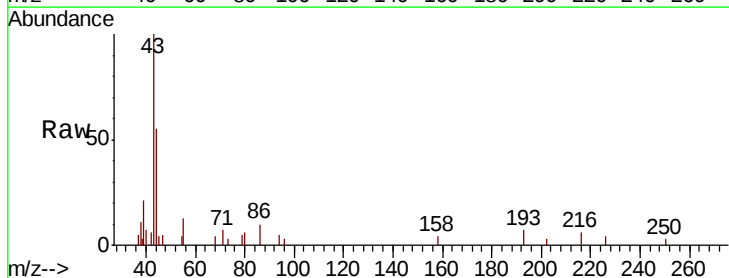
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#23
Vinyl Acetate
Concen: 0.024 ppbv
RT: 5.07 min Scan# 710
Delta R.T. -0.01 min
Lab File: VL036478.D
Acq: 25 Mar 2021 8:27

Tgt Ion:	43	Resp:	6191
Ion	Ratio	Lower	Upper
43	100		
86	10.8	5.4	8.0#
42	6.5	8.5	12.7#
44	25.0	4.6	7.0#



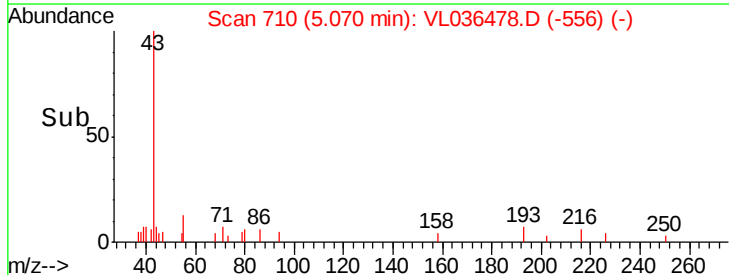
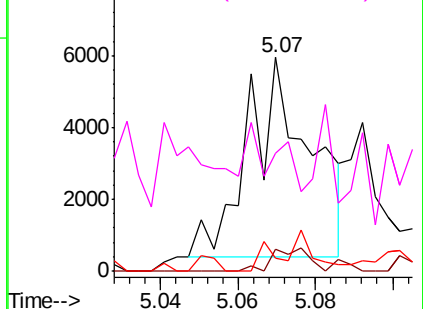
Abundance

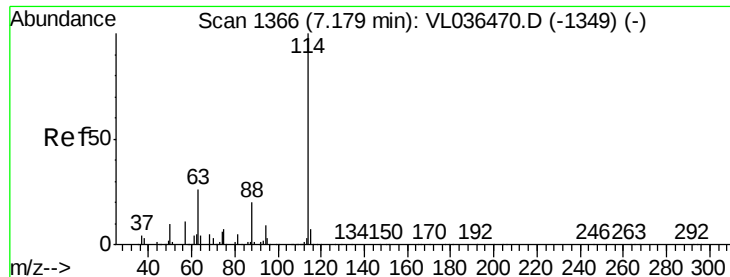
Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

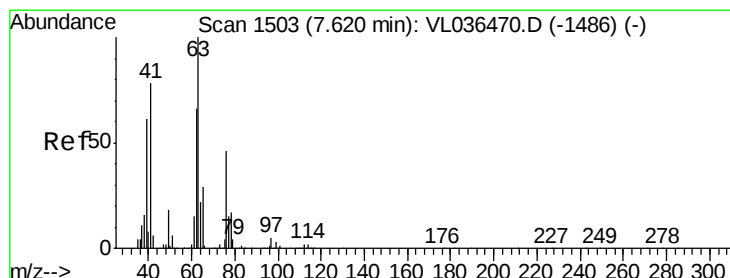
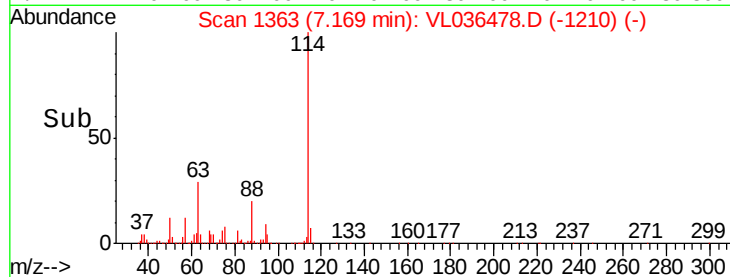
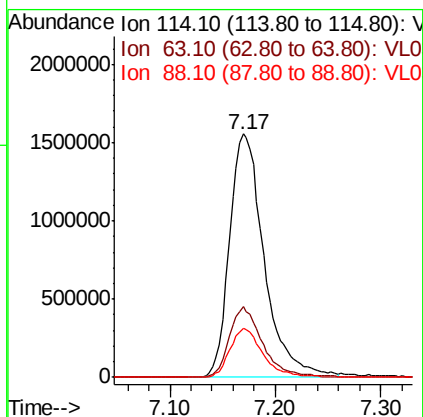
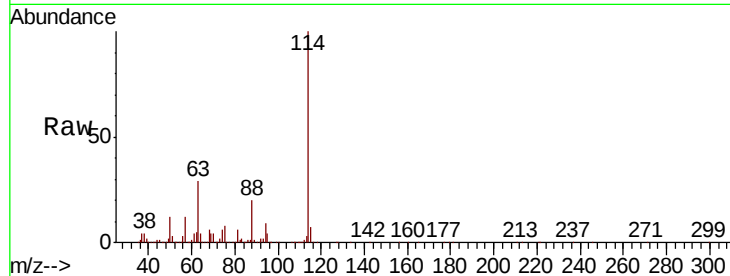
Ion 44.10 (43.80 to 44.80): VL0





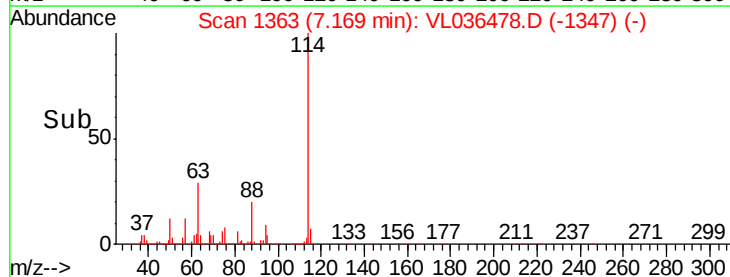
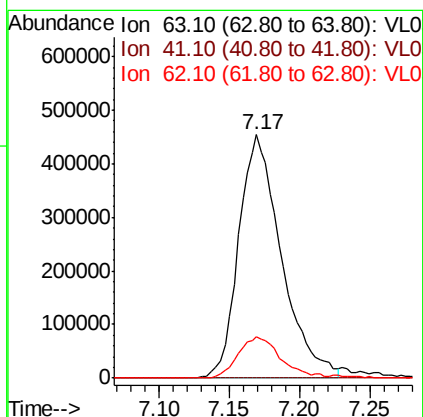
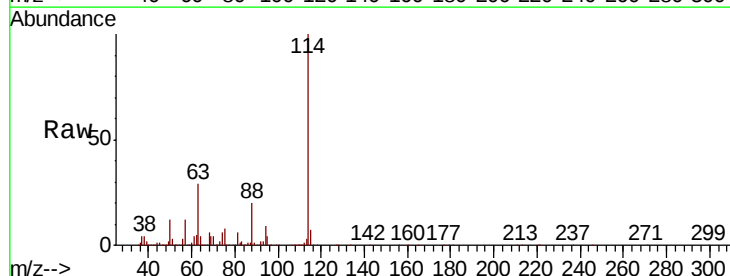
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 8:27

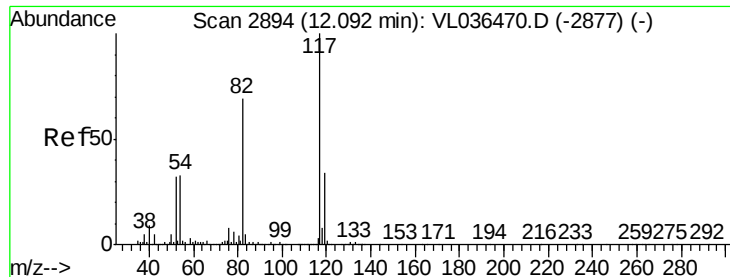
Tot Ion:	114	Resp:	3539731
Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.4	33.6
88	19.6	15.4	23.0



#39
 1,2-Dichloropropane
 Concen: 7.253 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.45 min
 Lab File: VL036478.D
 Acq: 25 Mar 2021 8:27

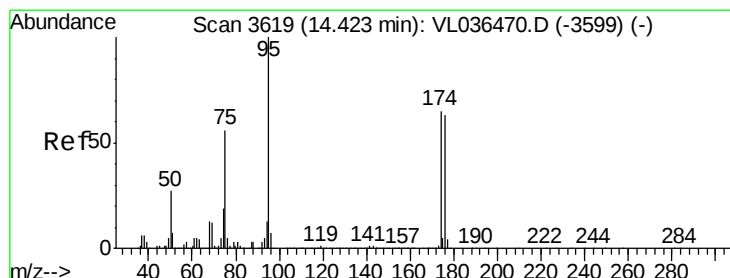
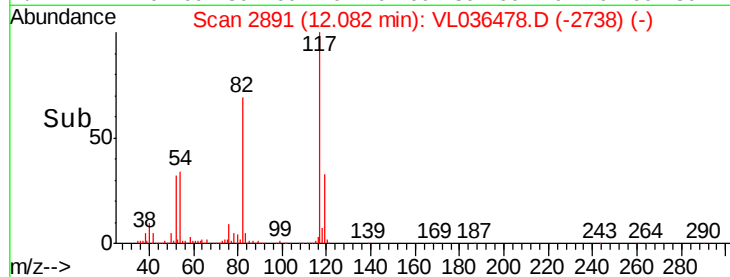
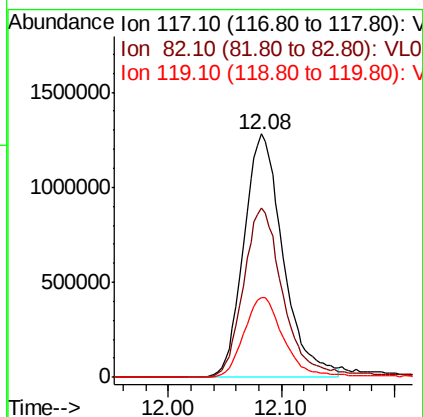
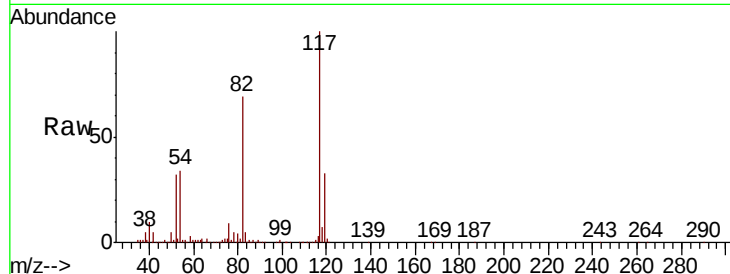
Tgt Ion:	63	Resp:	960493
Ion	Ratio	Lower	Upper
63	100		
41	0.1	62.4	93.6#
62	16.7	52.8	79.2#





#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Mar 2021 8:27

Tot Ion: 117 Resp: 3096127
 Ion Ratio Lower Upper
 117 100
 82 73.3 57.4 86.0
 119 34.7 47.4 71.0#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.826 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T. -0.01 min
 Lab File: VL036478.D
 Acq: 25 Mar 2021 8:27

Tgt Ion: 95 Resp: 2424780
 Ion Ratio Lower Upper
 95 100
 174 65.7 51.0 76.6
 175 4.8 3.9 5.9

