

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036493.D
 Acq On : 25 Mar 2021 19:22
 Operator :
 Sample : M1748-33 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 26 03:52:16 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	1537778	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3420627	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3012794	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2416718	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	10236	0.036	ppbv	96
9) Propene	3.02	41	25235	0.276	ppbv	91
13) Ethanol	3.61	45	25029	2.295	ppbv #	23
15) Acetone	3.85	43	259993	1.718	ppbv #	89
20) Methylene Chloride	4.34	84	184920	2.610	ppbv	92
23) Vinyl Acetate	5.06	43	6517	0.025	ppbv #	64
25) Ethyl Acetate	5.68	43	158649	0.441	ppbv #	78
26) Hexane	5.68	57	207251	1.241	ppbv #	47
34) 2-Butanone	5.26	43	8212	0.049	ppbv #	39
39) 1,2-Dichloropropane	7.18	63	940400	7.348	ppbv #	24

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 19:22

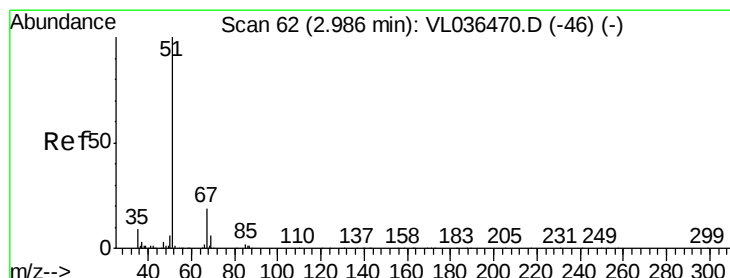
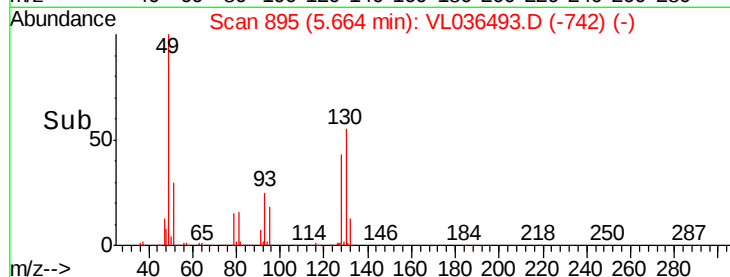
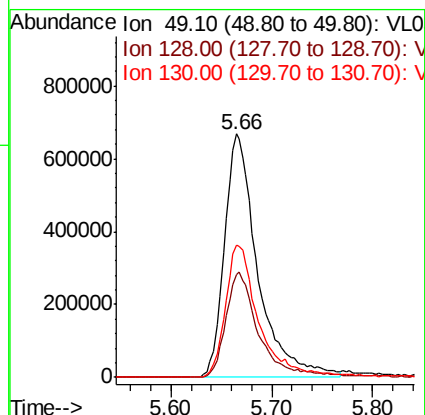
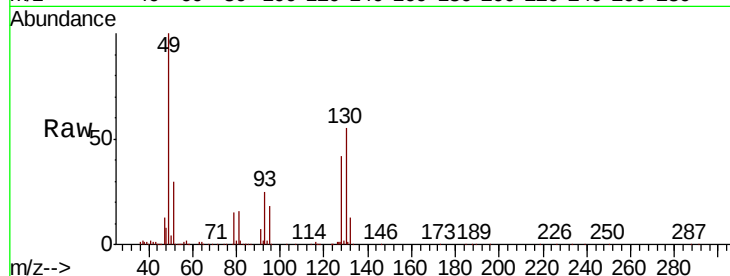
Tot Ion: 49 Resp: 1537778

Ion Ratio Lower Upper

49 100

128 43.4 23.5 70.6

130 56.1 29.1 87.4



#3

Chlorodifluoromethane

Concen: 0.036 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL036493.D

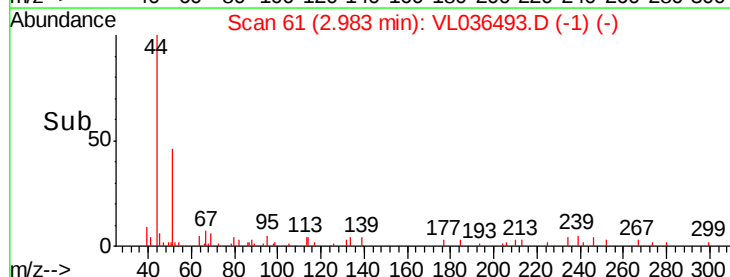
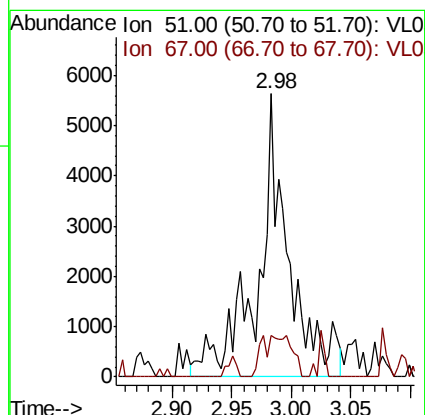
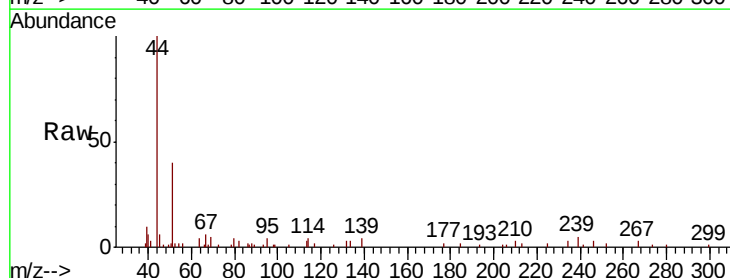
Acq: 25 Mar 2021 19:22

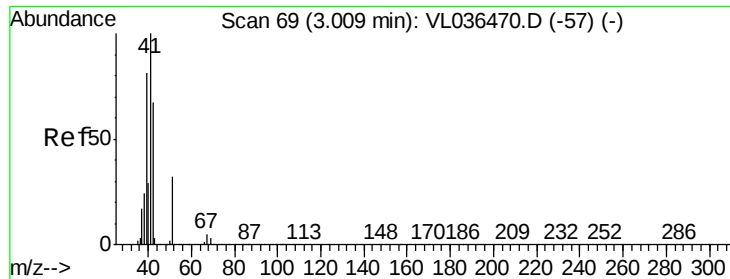
Tgt Ion: 51 Resp: 10236

Ion Ratio Lower Upper

51 100

67 16.5 14.7 22.1





#9

Propene

Concen: 0.276 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

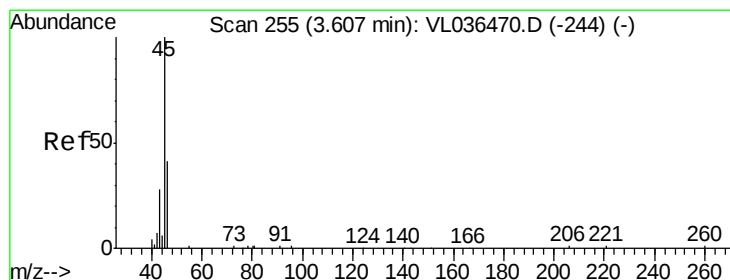
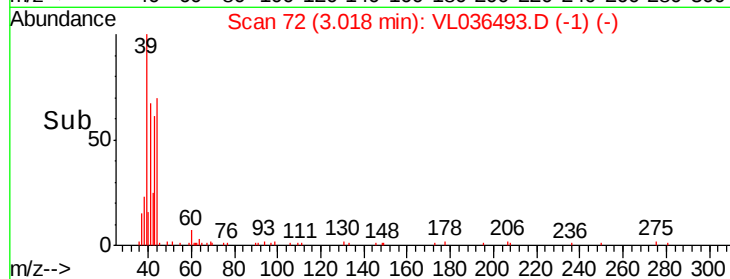
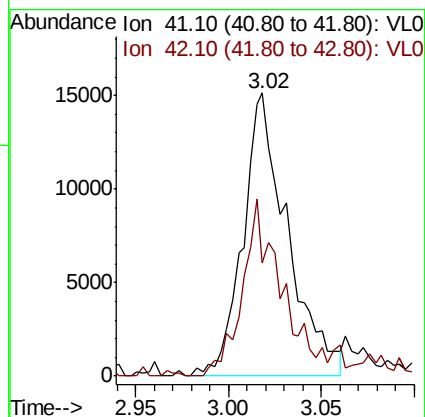
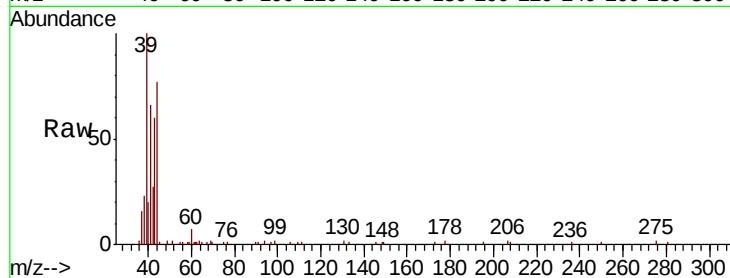
Acq: 25 Mar 2021 19:22

Tot Ion: 41 Resp: 25235

Ion Ratio Lower Upper

41 100

42 63.7 57.0 85.4



#13

Ethanol

Concen: 2.295 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.00 min

Lab File: VL036493.D

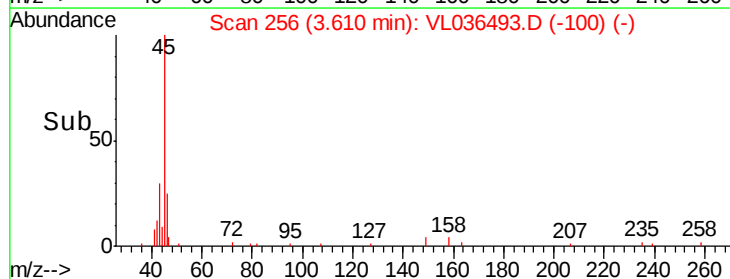
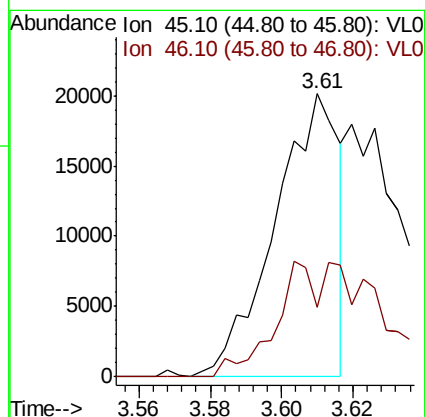
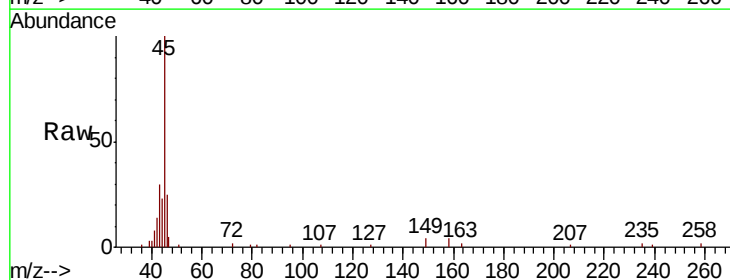
Acq: 25 Mar 2021 19:22

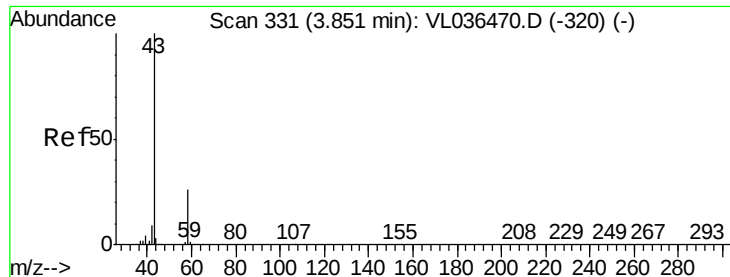
Tgt Ion: 45 Resp: 25029

Ion Ratio Lower Upper

45 100

46 89.5 16.6 66.2#





#15

Acetone

Concen: 1.718 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

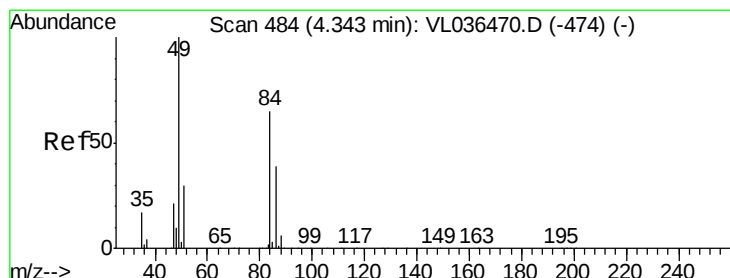
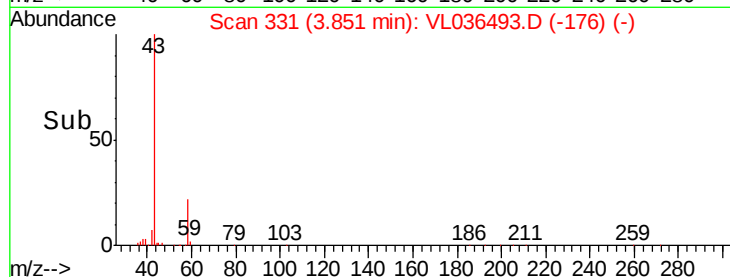
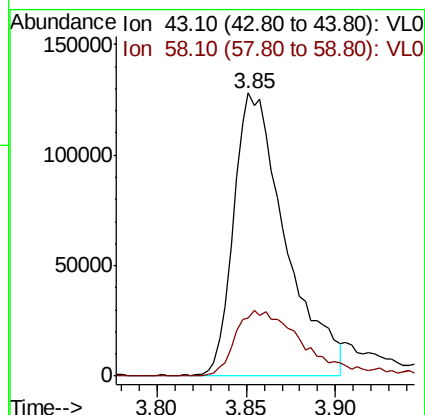
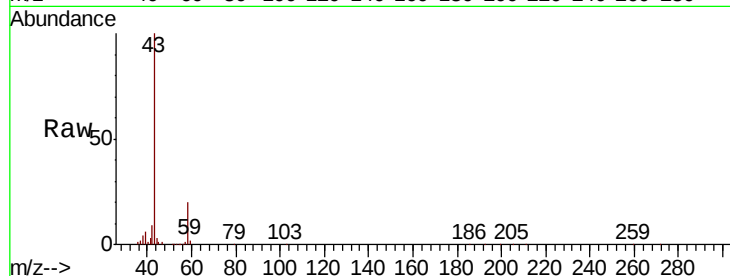
Acq: 25 Mar 2021 19:22

Tot Ion: 43 Resp: 259993

Ion Ratio Lower Upper

43 100

58 32.2 21.2 31.8#



#20

Methylene Chloride

Concen: 2.610 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL036493.D

Acq: 25 Mar 2021 19:22

Tgt Ion: 84 Resp: 184920

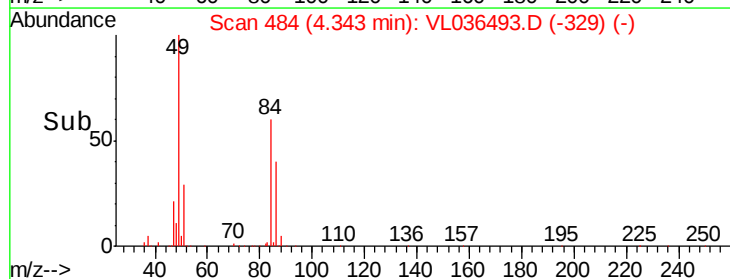
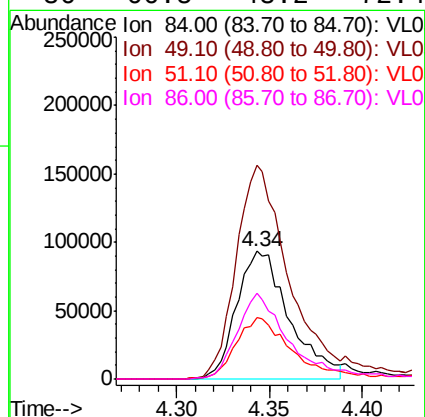
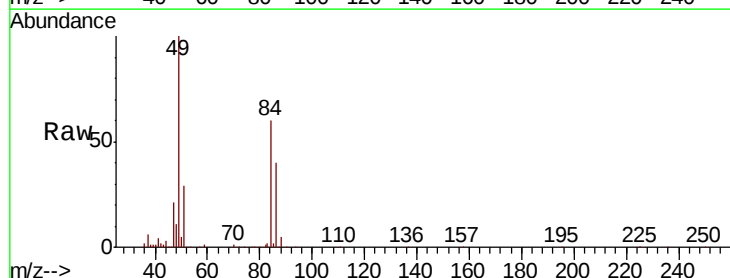
Ion Ratio Lower Upper

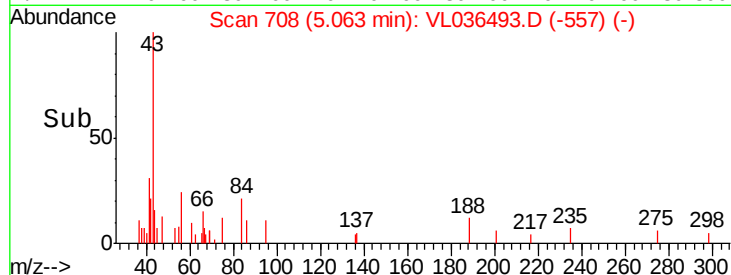
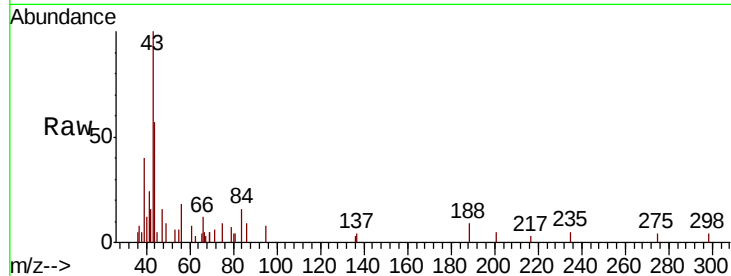
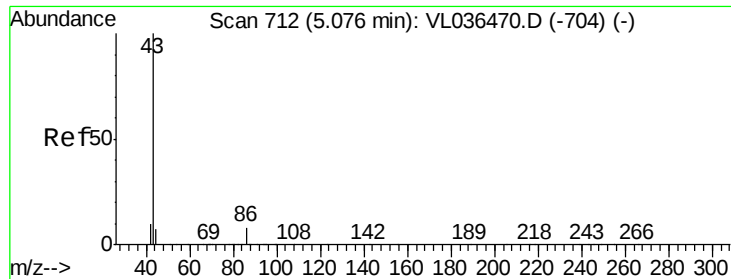
84 100

49 166.5 122.9 184.3

51 46.5 36.9 55.3

86 66.5 48.2 72.4





#23

Vinyl Acetate

Concen: 0.025 ppbv

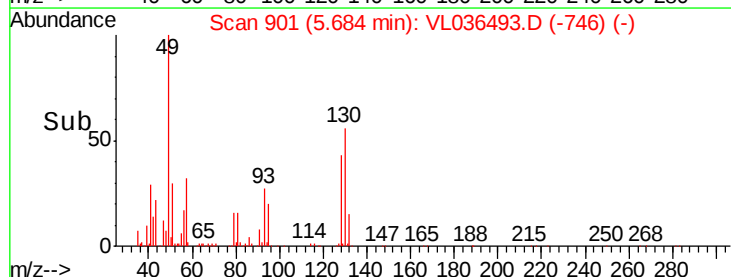
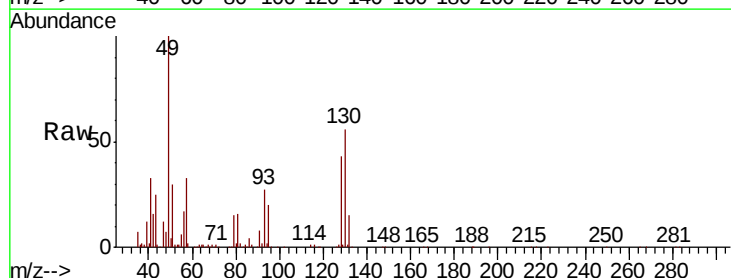
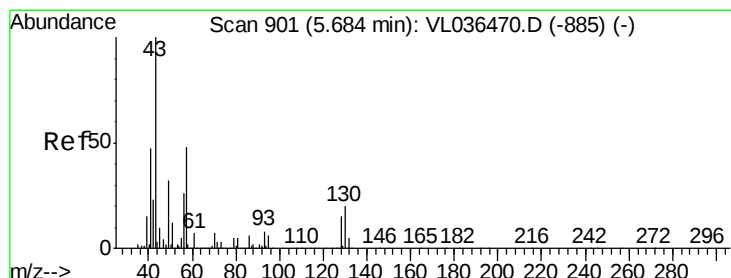
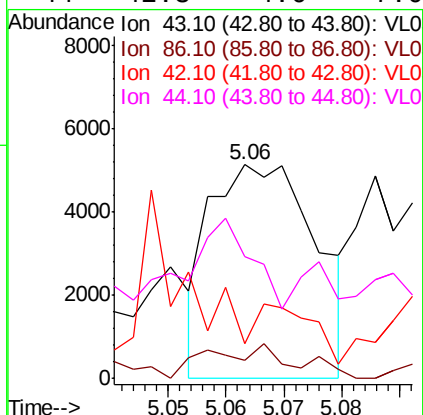
RT: 5.06 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 19:22

Tot Ion:	43	Resp:	6517
Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.4	8.0
42	17.2	8.5	12.7#
44	42.3	4.6	7.0#



#25

Ethyl Acetate

Concen: 0.441 ppbv

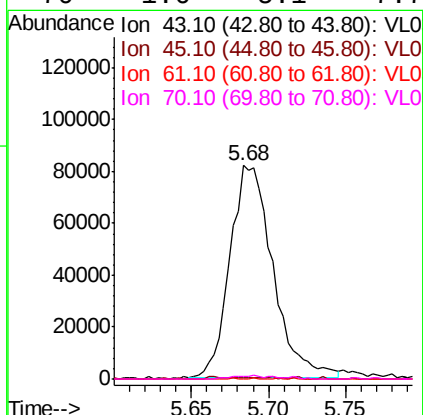
RT: 5.68 min Scan# 901

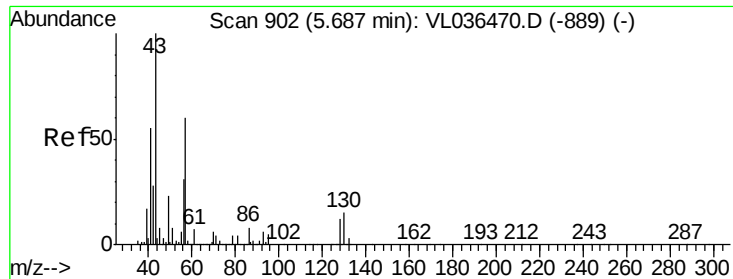
Delta R.T. -0.00 min

Lab File: VL036493.D

Acq: 25 Mar 2021 19:22

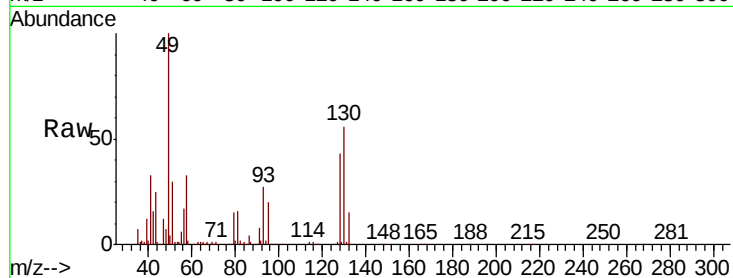
Tgt Ion:	43	Resp:	158649
Ion	Ratio	Lower	Upper
43	100		
45	0.6	7.9	11.9#
61	0.4	7.4	11.2#
70	1.6	5.1	7.7#



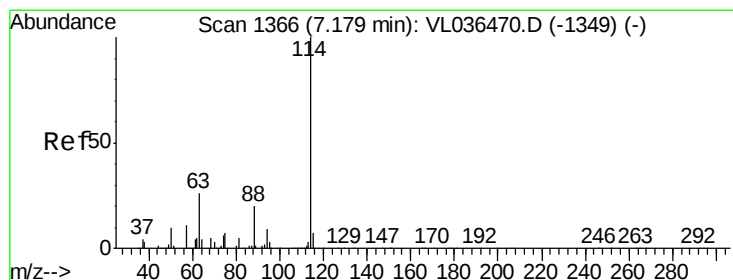
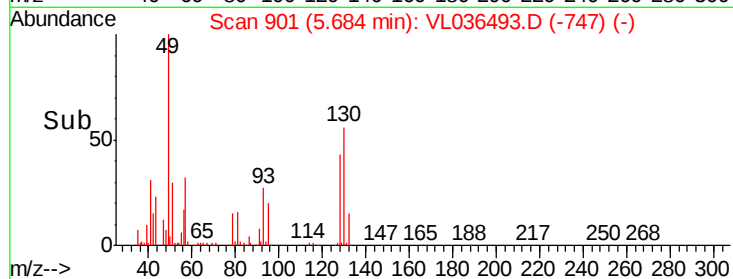
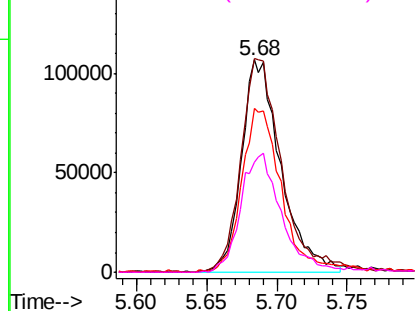


#26
Hexane
Concen: 1.241 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Mar 2021 19:22

Tot Ion:	57	Resp:	207251
Ion	Ratio	Lower	Upper
57	100		
41	104.1	77.2	115.8
43	80.9	173.8	260.6#
56	59.8	43.8	65.6

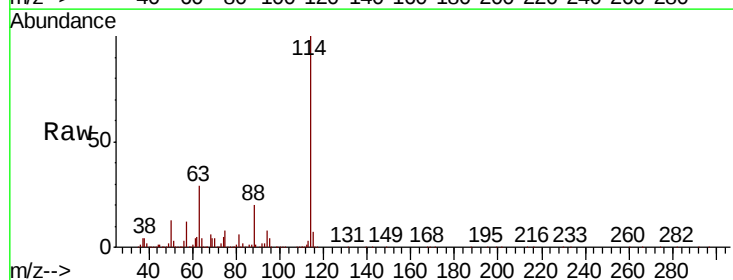


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

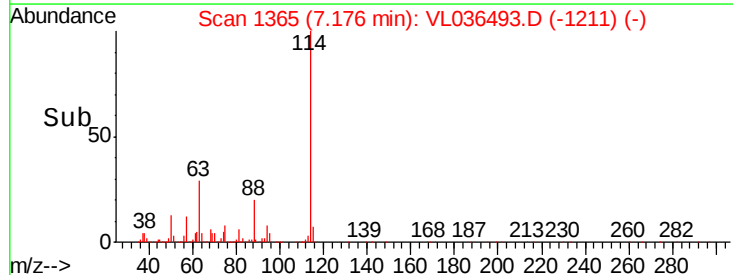
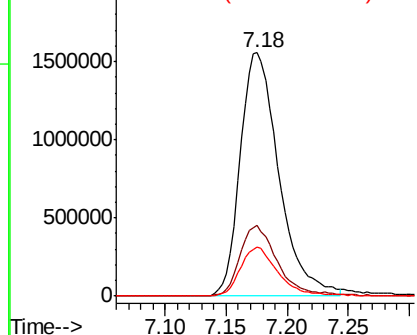


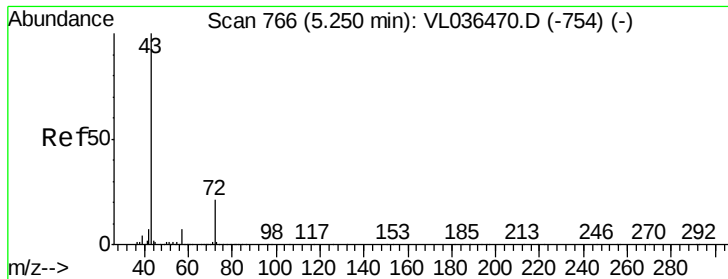
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL036493.D
Acq: 25 Mar 2021 19:22

Tgt Ion:	114	Resp:	3420627
Ion	Ratio	Lower	Upper
114	100		
63	28.7	22.4	33.6
88	19.7	15.4	23.0



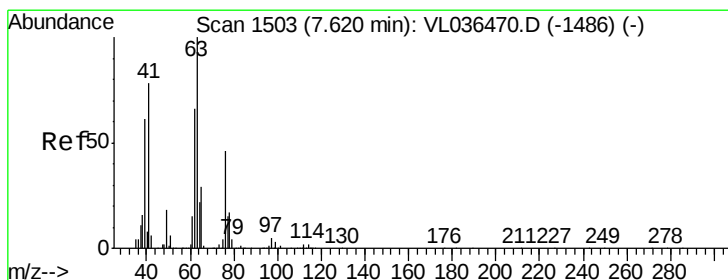
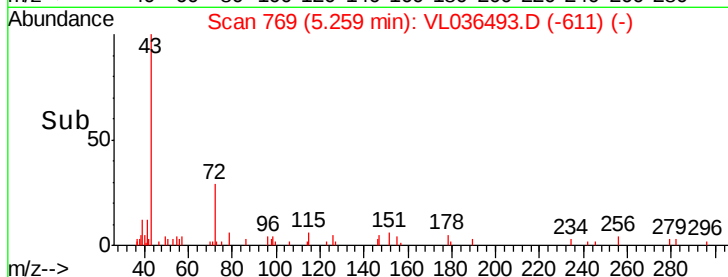
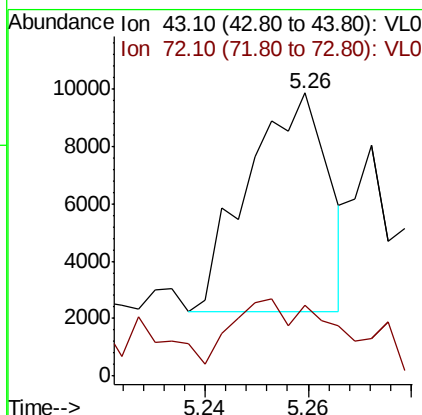
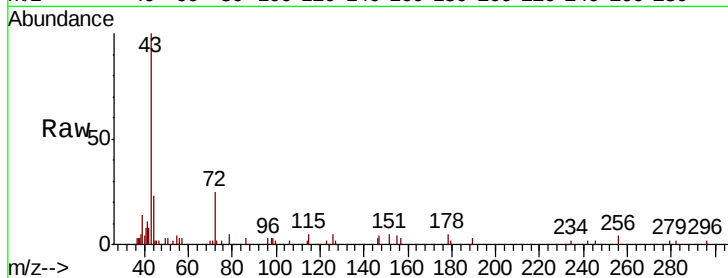
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





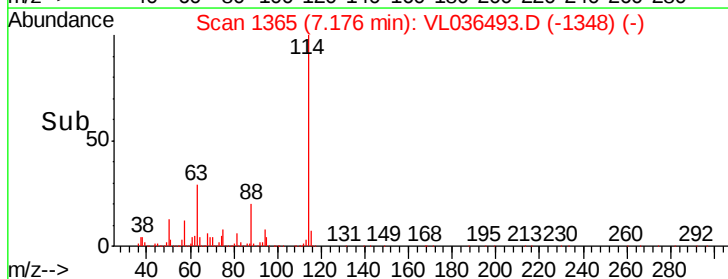
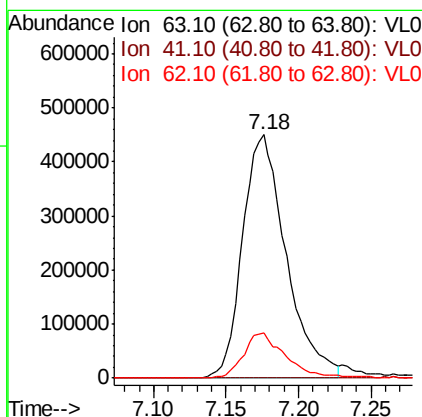
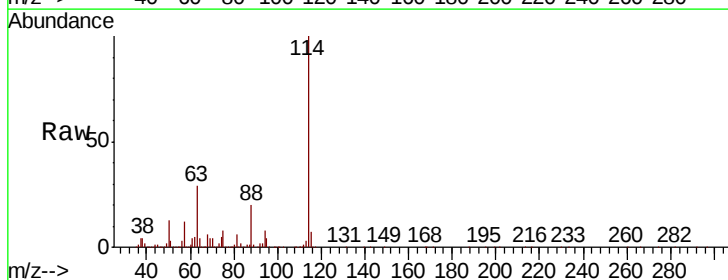
#34
 2-Butanone
 Concen: 0.049 ppbv
 RT: 5.26
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 19:22

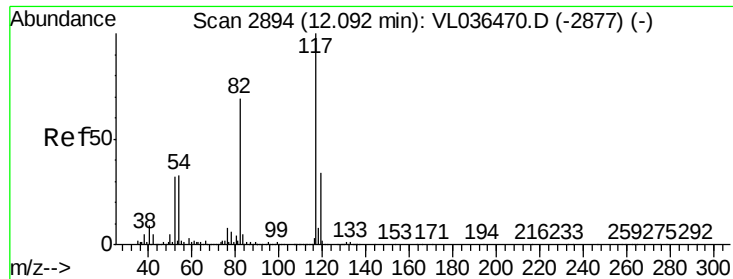
Tot Ion: 43 Resp: 8212
 Ion Ratio Lower Upper
 43 100
 72 49.9 17.0 25.6#



#39
 1,2-Dichloropropane
 Concen: 7.348 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.44 min
 Lab File: VL036493.D
 Acq: 25 Mar 2021 19:22

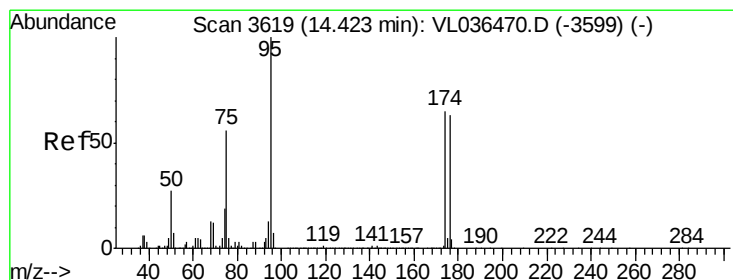
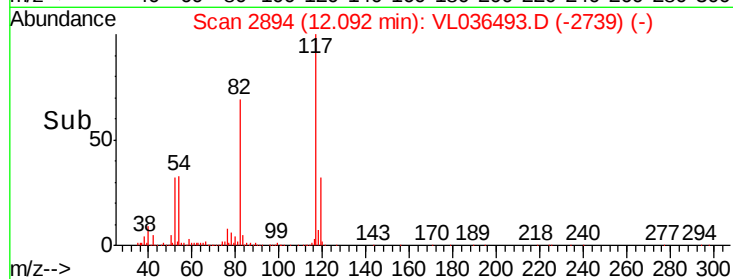
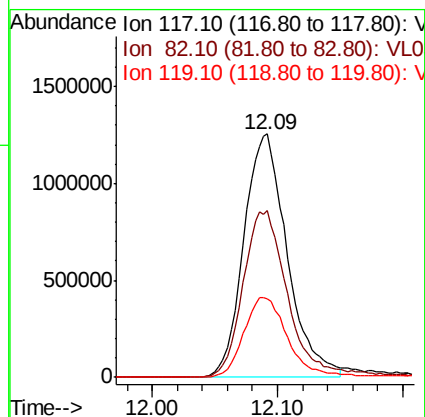
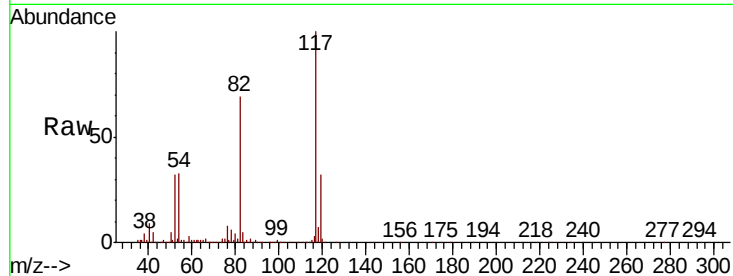
Tgt Ion: 63 Resp: 940400
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.4 93.6#
 62 18.7 52.8 79.2#





#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Mar 2021 19:22

Tot Ion: 117 Resp: 3012794
 Ion Ratio Lower Upper
 117 100
 82 73.0 57.4 86.0
 119 33.7 47.4 71.0#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.065 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL036493.D
 Acq: 25 Mar 2021 19:22

Tgt Ion: 95 Resp: 2416718
 Ion Ratio Lower Upper
 95 100
 174 65.8 51.0 76.6
 175 4.8 3.9 5.9

