

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032621\
 Data File : VL036517.D
 Acq On : 26 Mar 2021 17:05
 Operator : SY/AP
 Sample : M1760-05DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 27 03:29:49 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	5.69	49	1475279	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.20	114	3281771	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.11	117	2954029	10.00	ppbv	0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene		14.45	95	2321010	9.86	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%	

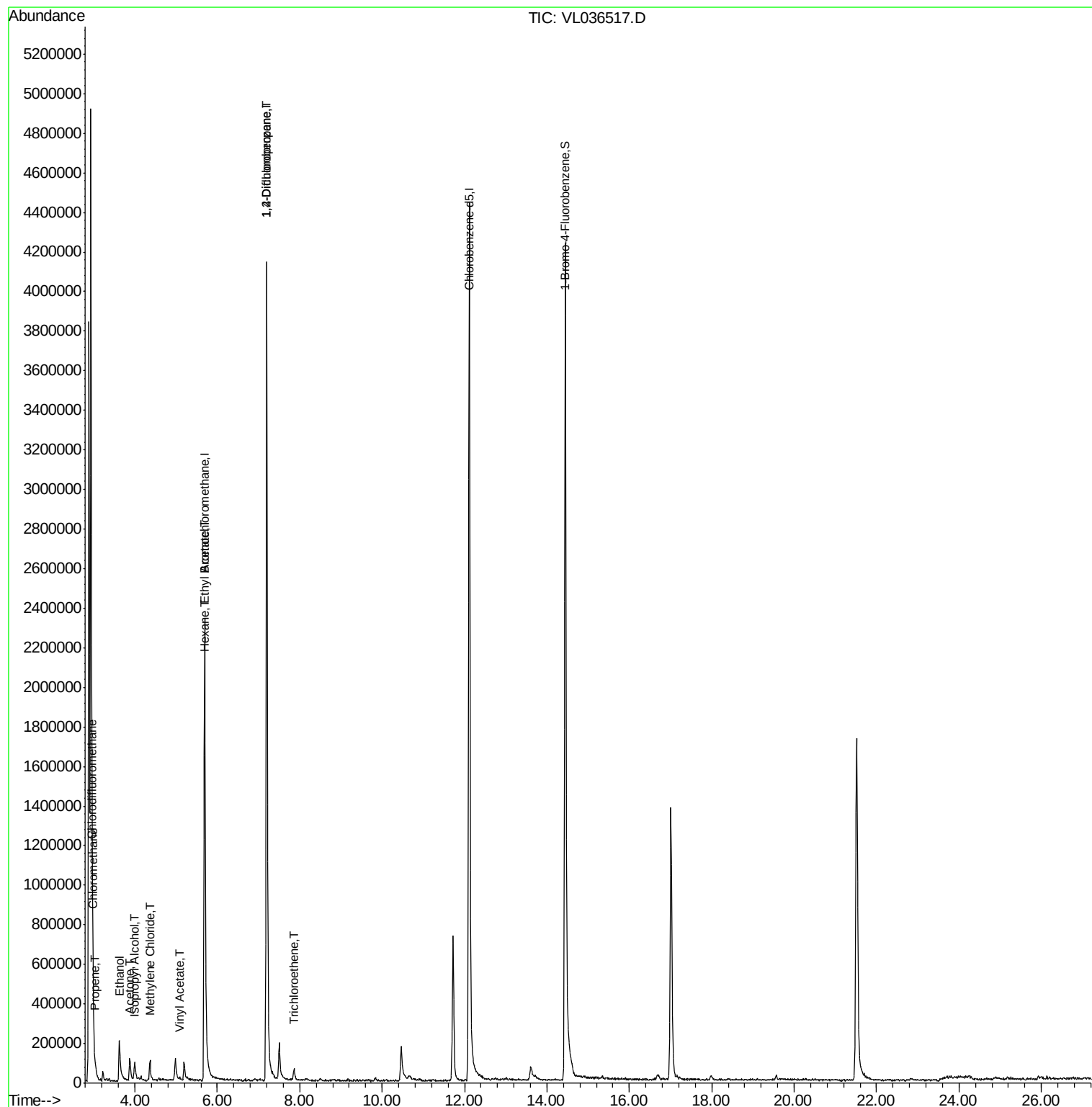
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.97	51	465354	1.688	ppbv #	59
4) Chloromethane	2.99	50	2685	0.028	ppbv #	53
9) Propene	3.03	41	6226	0.071	ppbv #	40
13) Ethanol	3.62	45	268150	25.626	ppbv	95
15) Acetone	3.87	43	142303	0.980	ppbv #	78
19) Isopropyl Alcohol	3.99	45	120396	1.507	ppbv #	93
20) Methylene Chloride	4.36	84	19207	0.283	ppbv	89
23) Vinyl Acetate	5.09	43	5455	0.022	ppbv #	77
25) Ethyl Acetate	5.70	43	25575	0.074	ppbv #	57
26) Hexane	5.71	57	15587	0.097	ppbv #	3
38) Trichloroethene	7.86	130	4055	0.034	ppbv #	44
39) 1,2-Dichloropropane	7.20	63	897457	7.310	ppbv #	23

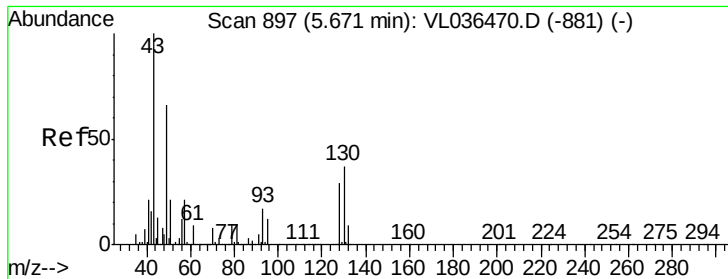
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.02 min

Lab File: VL036517.D

Acq: 26 Mar 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

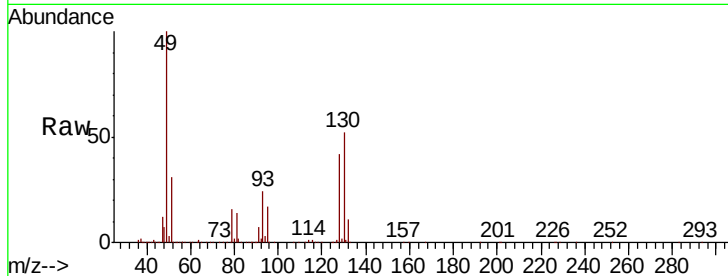
Tot Ion: 49 Resp: 1475279

Ion Ratio Lower Upper

49 100

128 43.6 23.5 70.6

130 55.7 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

800000

600000

400000

200000

0

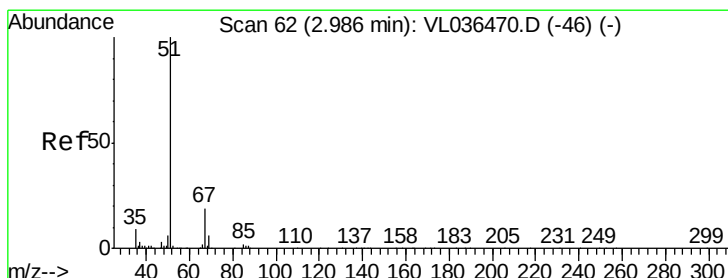
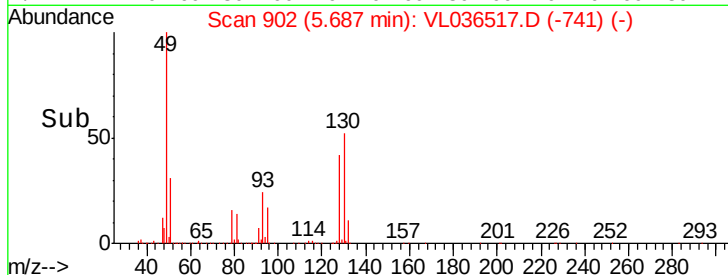
5.69

5.60

5.70

5.80

Time-->



#3

Chlorodifluoromethane

Concen: 1.688 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

Lab File: VL036517.D

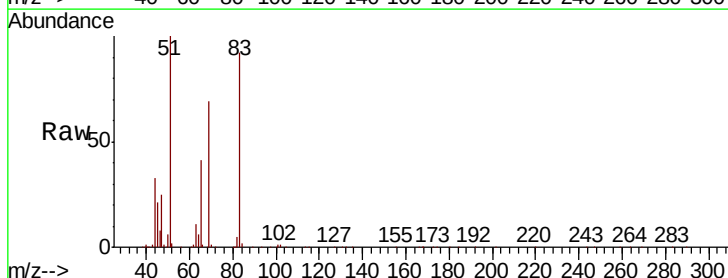
Acq: 26 Mar 2021 17:05

Tgt Ion: 51 Resp: 465354

Ion Ratio Lower Upper

51 100

67 0.2 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

400000

300000

200000

100000

0

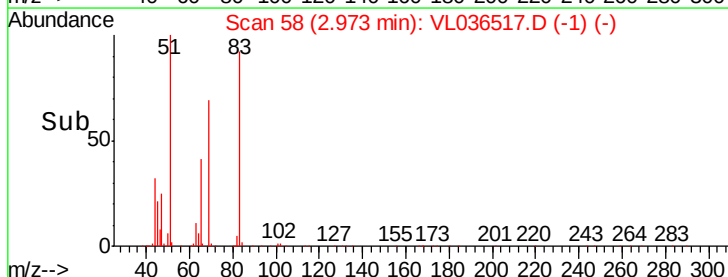
2.97

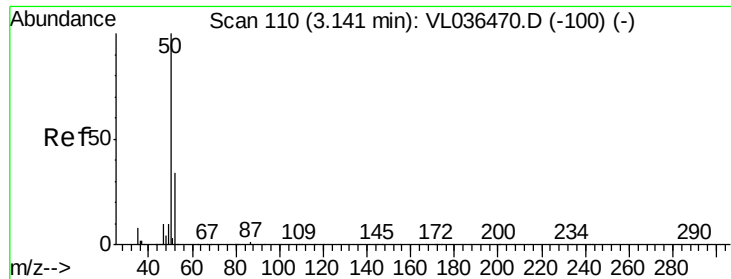
2.90

3.00

3.10

Time-->





#4

Chloromethane

Concen: 0.028 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.15 min

Lab File: VL036517.D

Acq: 26 Mar 2021 17:05

Instrument :

MSVOA_L

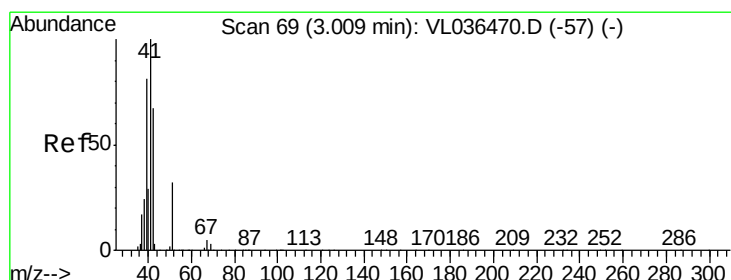
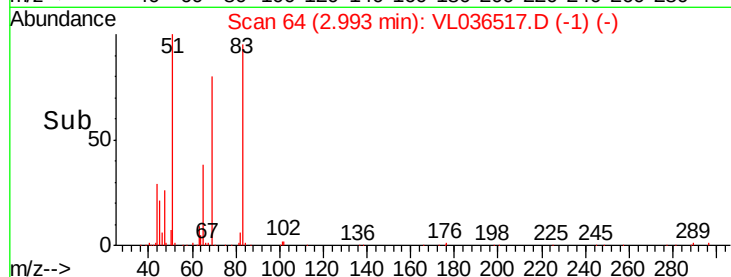
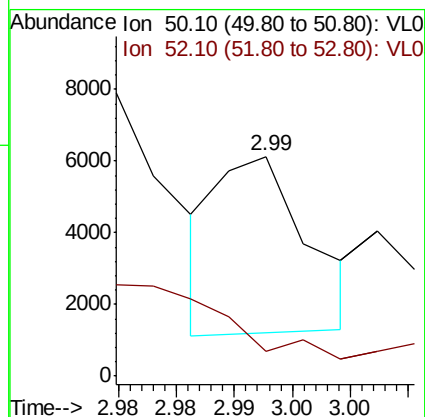
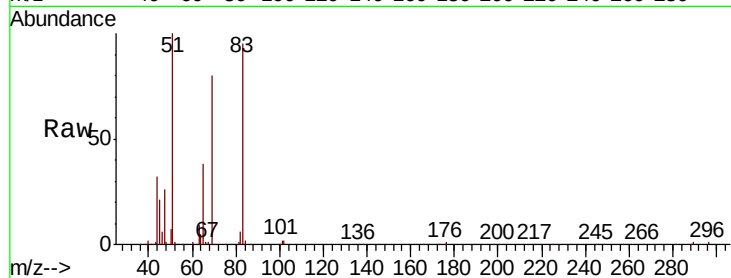
ClientSampleId :

Tot Ion: 50 Resp: 2685

Ion Ratio Lower Upper

50 100

52 7.1 27.0 40.6#



#9

Propene

Concen: 0.071 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.02 min

Lab File: VL036517.D

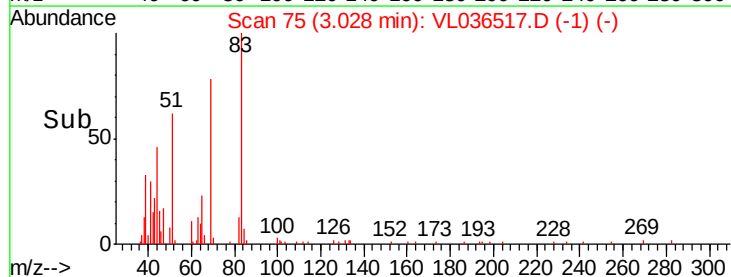
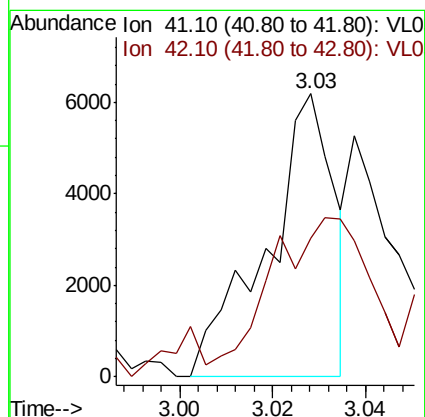
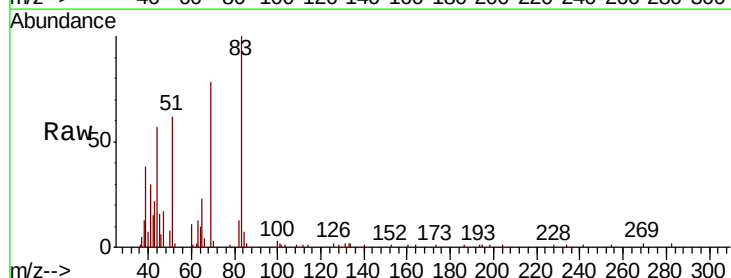
Acq: 26 Mar 2021 17:05

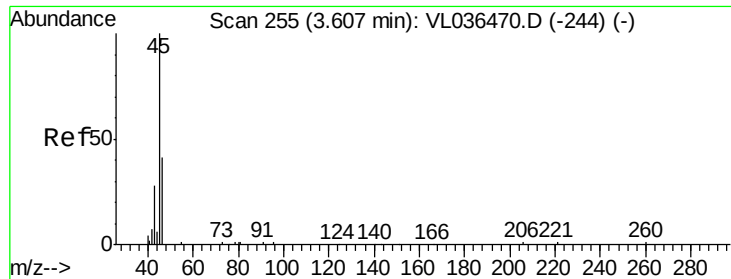
Tgt Ion: 41 Resp: 6226

Ion Ratio Lower Upper

41 100

42 121.0 57.0 85.4#





#13

Ethanol

Concen: 25.626 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL036517.D

Acq: 26 Mar 2021 17:05

Instrument :

MSVOA_L

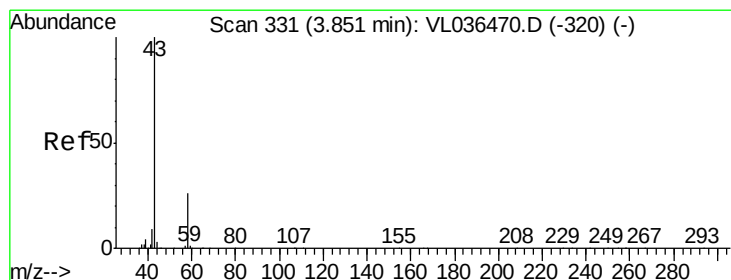
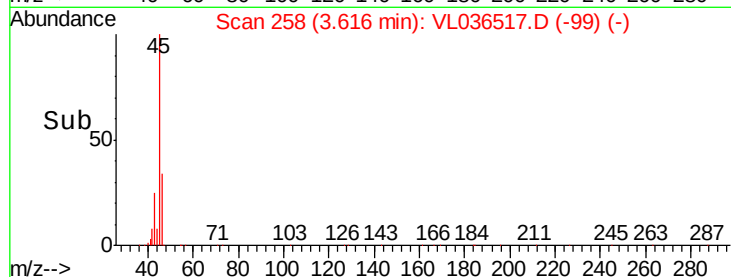
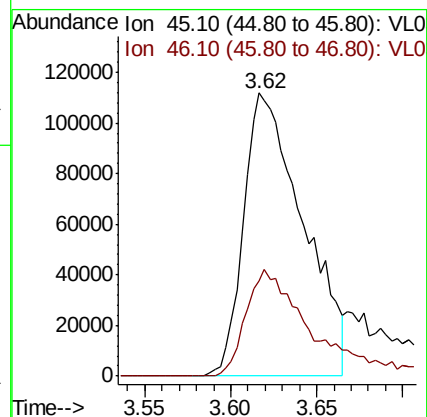
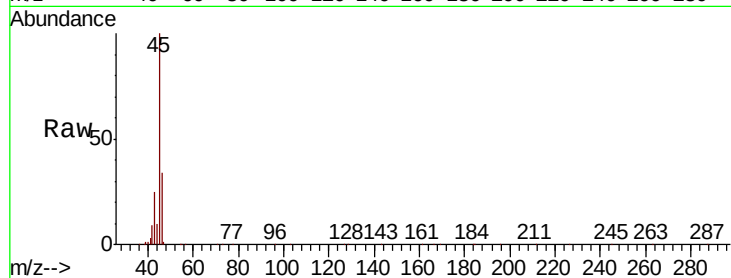
ClientSampleId :

Tot Ion: 45 Resp: 268150

Ion Ratio Lower Upper

45 100

46 44.8 16.6 66.2



#15

Acetone

Concen: 0.980 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.02 min

Lab File: VL036517.D

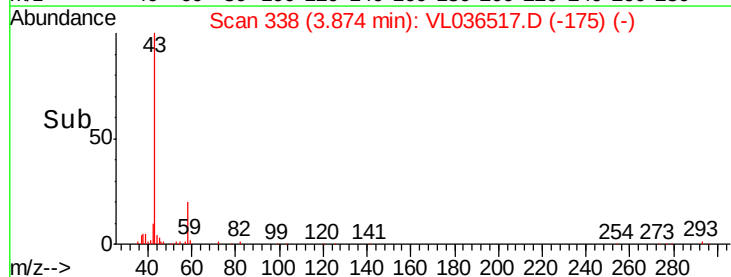
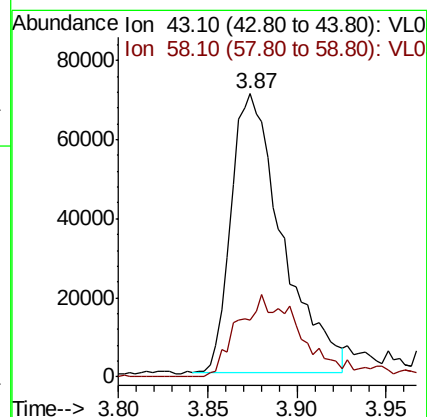
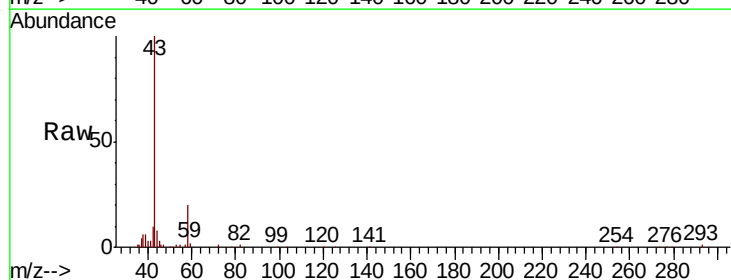
Acq: 26 Mar 2021 17:05

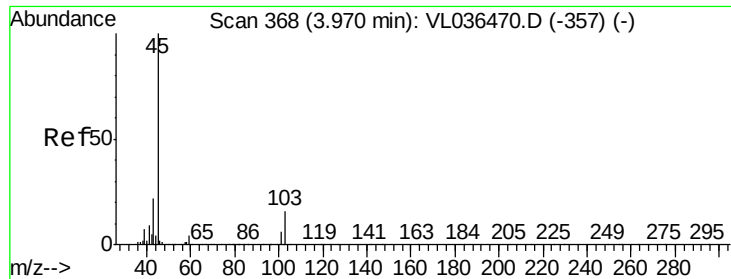
Tgt Ion: 43 Resp: 142303

Ion Ratio Lower Upper

43 100

58 38.0 21.2 31.8#





#19

Isopropyl Alcohol

Concen: 1.507 ppbv

RT: 3.99 min Scan# 375

Delta R.T. 0.02 min

Lab File: VL036517.D

Acq: 26 Mar 2021 17:05

Instrument :

MSVOA_L

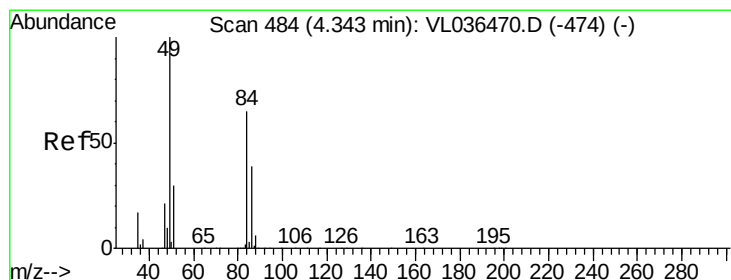
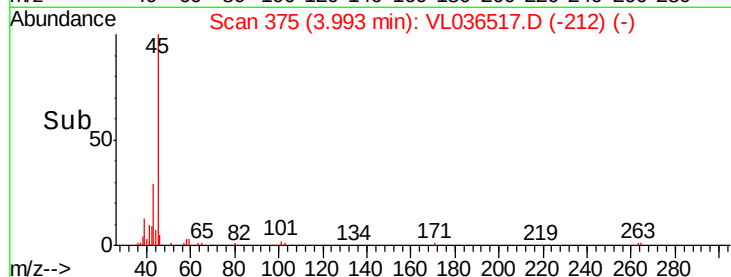
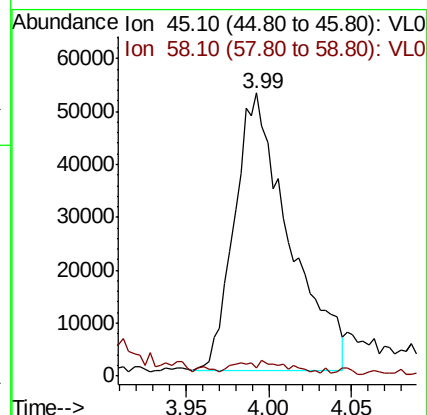
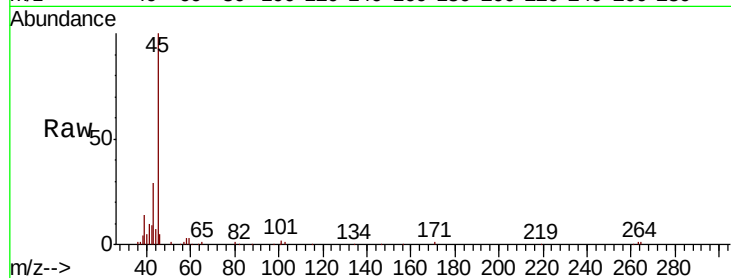
ClientSampleId :

Tot Ion: 45 Resp: 120396

Ion Ratio Lower Upper

45 100

58 5.9 2.9 4.3#



#20

Methylene Chloride

Concen: 0.283 ppbv

RT: 4.36 min Scan# 490

Delta R.T. 0.02 min

Lab File: VL036517.D

Acq: 26 Mar 2021 17:05

Tgt Ion: 84 Resp: 19207

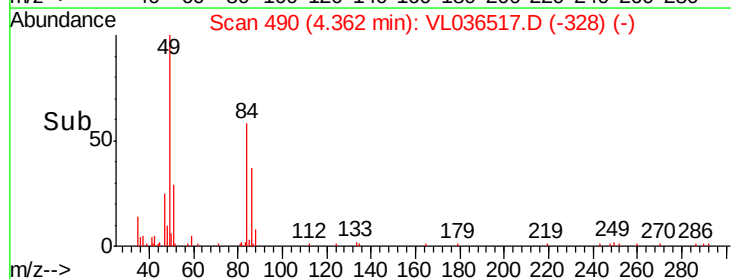
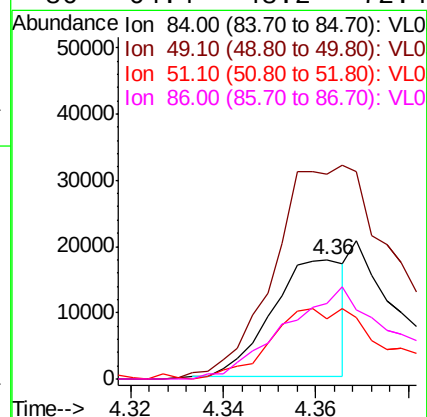
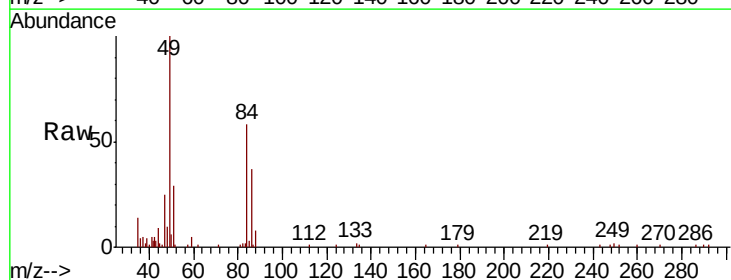
Ion Ratio Lower Upper

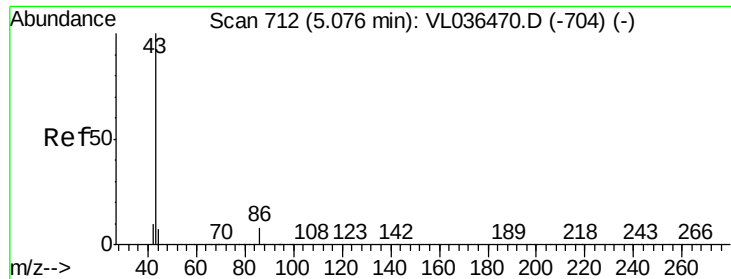
84 100

49 170.4 122.9 184.3

51 53.9 36.9 55.3

86 64.4 48.2 72.4





#23

Vinyl Acetate

Concen: 0.022 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL036517.D

Acq: 26 Mar 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 5455

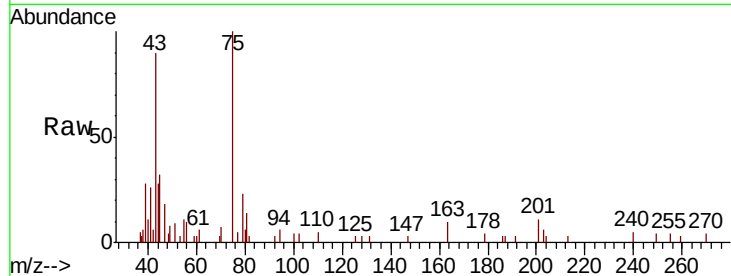
Ion Ratio Lower Upper

43 100

86 0.0 5.4 8.0#

42 0.0 8.5 12.7#

44 0.0 4.6 7.0#

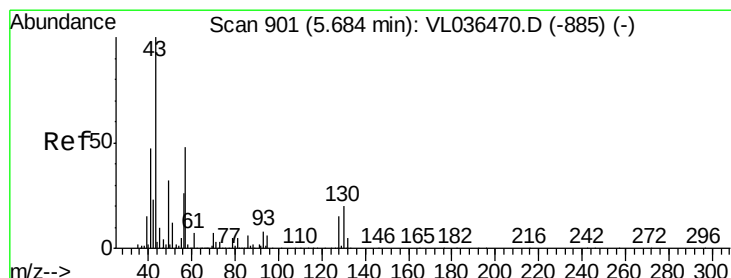
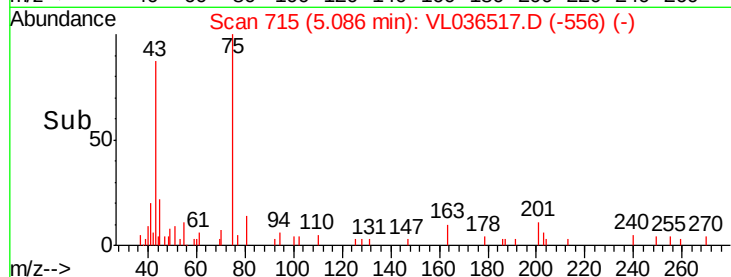
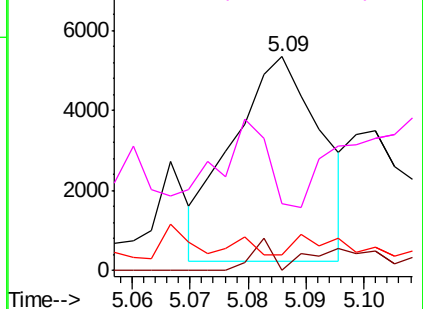


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#25

Ethyl Acetate

Concen: 0.074 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.02 min

Lab File: VL036517.D

Acq: 26 Mar 2021 17:05

Tgt Ion: 43 Resp: 25575

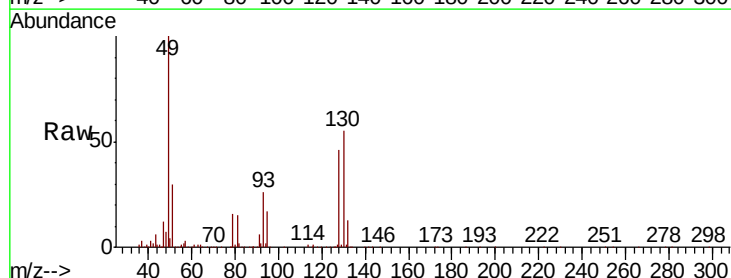
Ion Ratio Lower Upper

43 100

45 34.2 7.9 11.9#

61 22.4 7.4 11.2#

70 0.0 5.1 7.7#

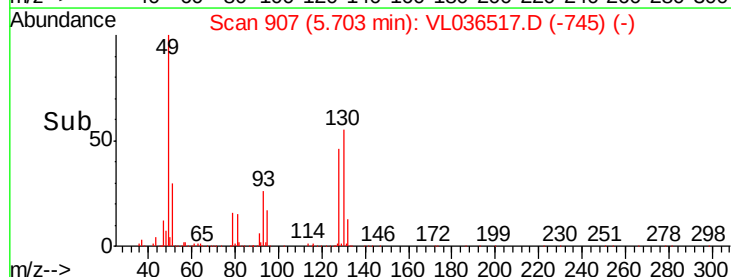
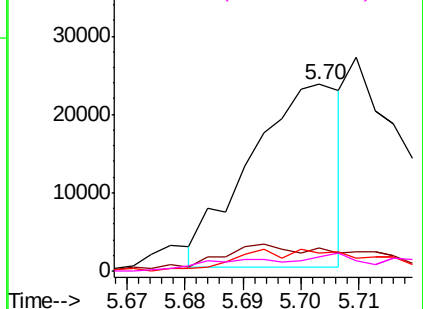


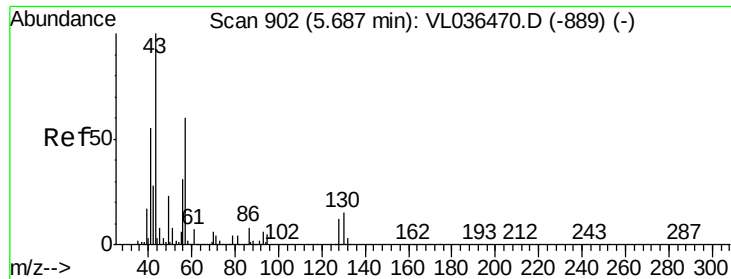
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

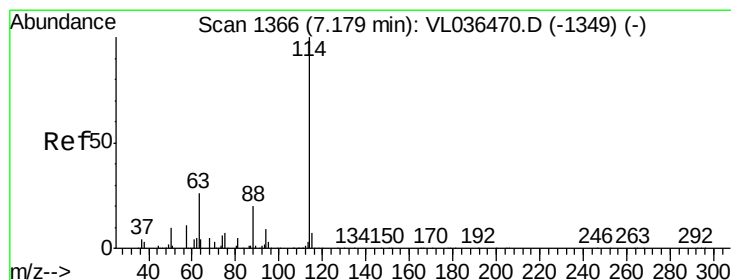
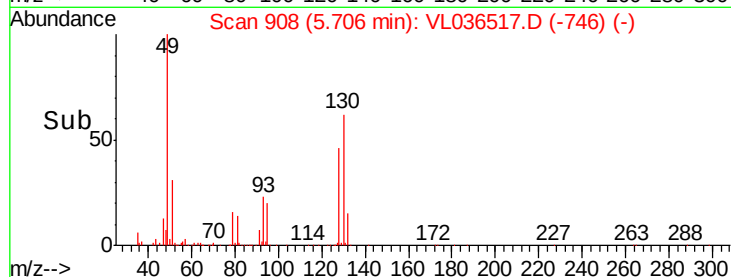
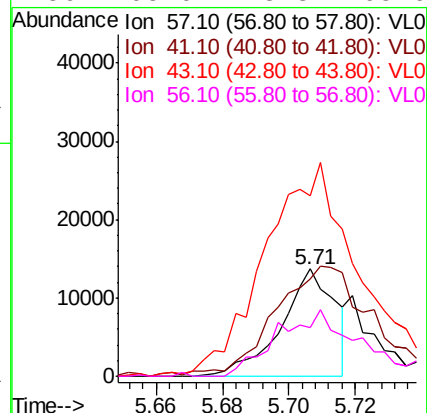
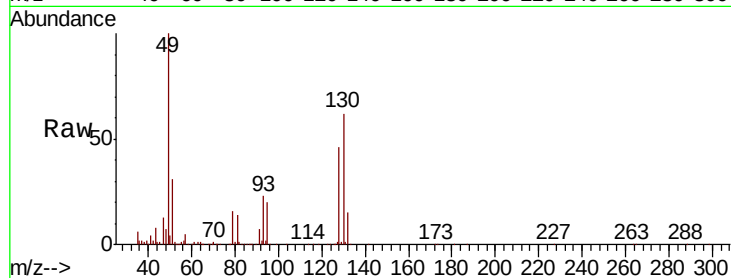




#26
Hexane
Concen: 0.097 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.02 min
Lab File: VL036517.D
Acq: 26 Mar 2021 17:05

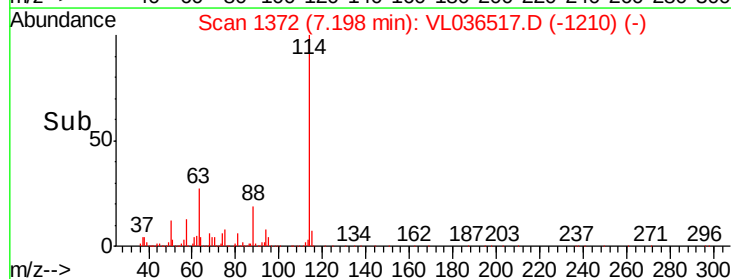
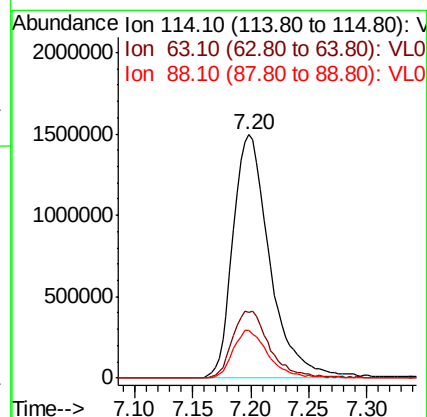
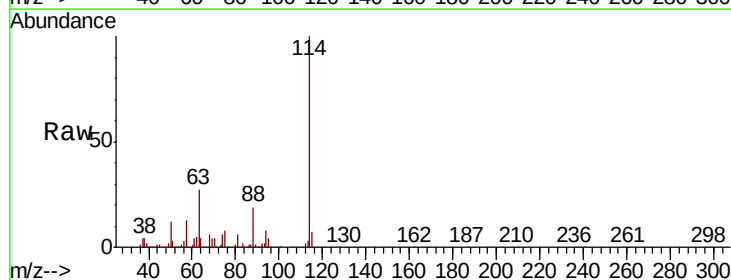
Instrument :
MSVOA_L
ClientSampled :

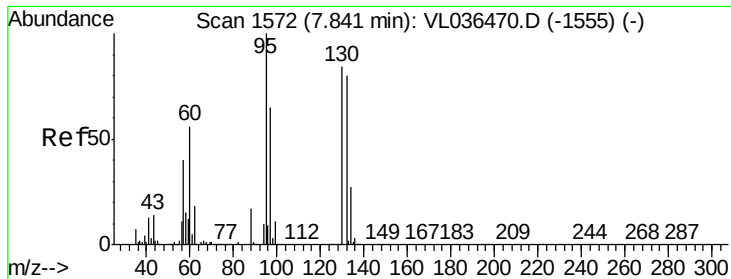
Tot Ion: 57 Resp: 15587
Ion Ratio Lower Upper
57 100
41 200.7 77.2 115.8#
43 375.0 173.8 260.6#
56 105.0 43.8 65.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. 0.02 min
Lab File: VL036517.D
Acq: 26 Mar 2021 17:05

Tgt Ion: 114 Resp: 3281771
Ion Ratio Lower Upper
114 100
63 28.4 22.4 33.6
88 19.2 15.4 23.0

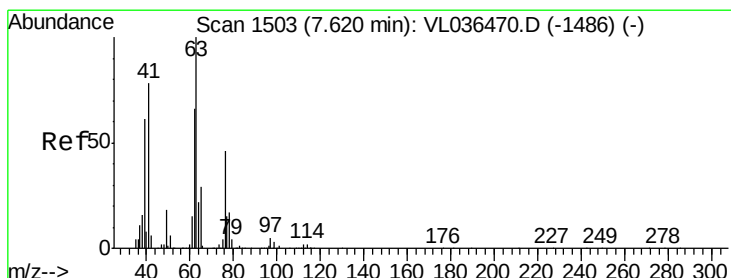
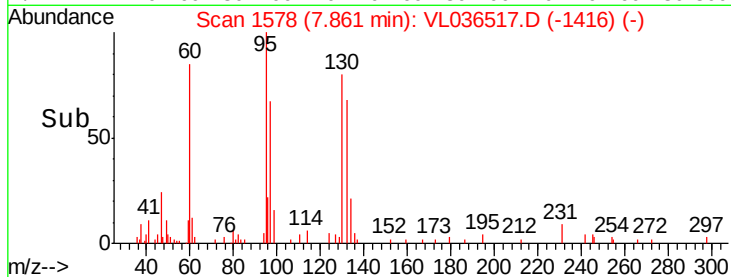
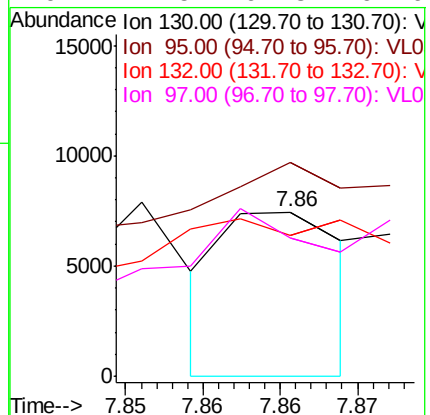
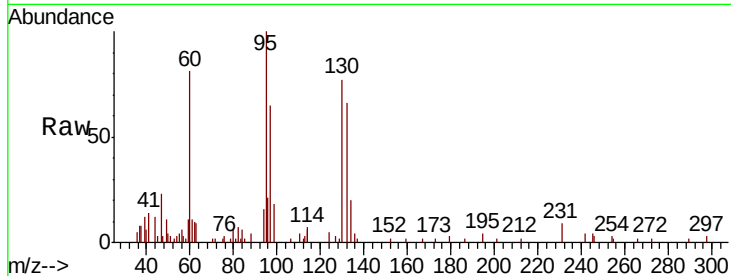




#38
 Trichloroethene
 Concen: 0.034 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.02 min
 Lab File: VL036517.D
 Acq: 26 Mar 2021 17:05

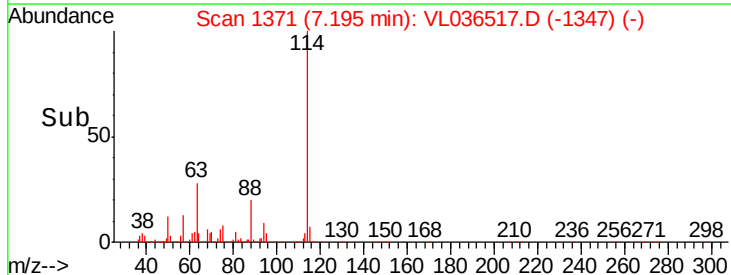
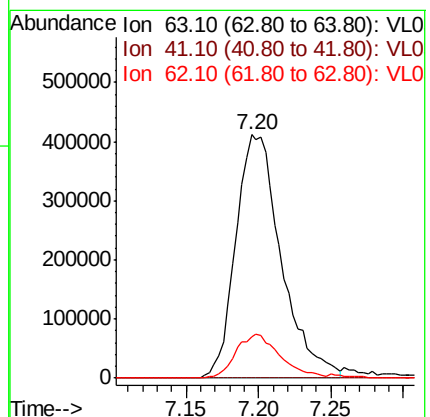
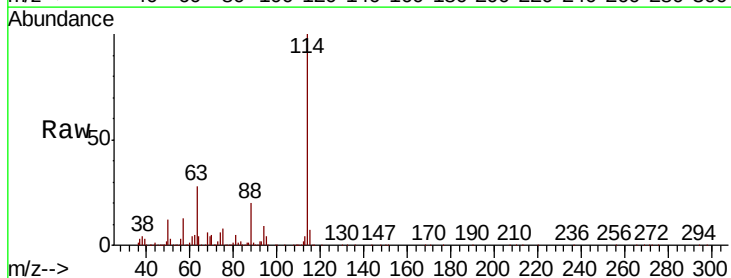
Instrument :
 MSVOA_L
 ClientSampled :

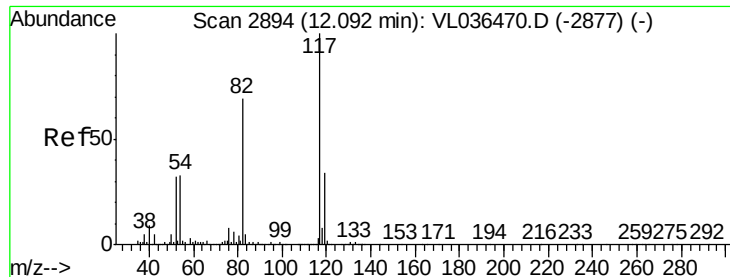
Tot Ion:130 Resp: 4055
 Ion Ratio Lower Upper
 130 100
 95 79.1 95.7 143.5#
 132 0.0 76.2 114.4#
 97 47.5 61.8 92.6#



#39
 1,2-Dichloropropane
 Concen: 7.310 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. -0.42 min
 Lab File: VL036517.D
 Acq: 26 Mar 2021 17:05

Tgt Ion: 63 Resp: 897457
 Ion Ratio Lower Upper
 63 100
 41 0.2 62.4 93.6#
 62 16.8 52.8 79.2#

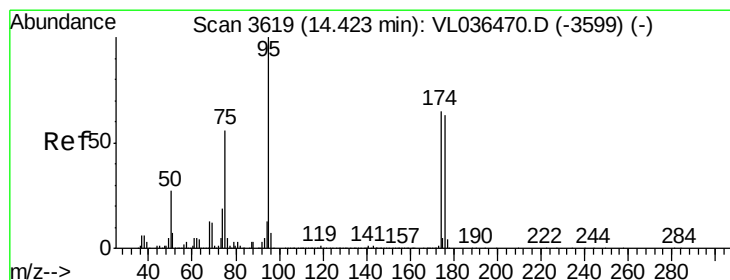
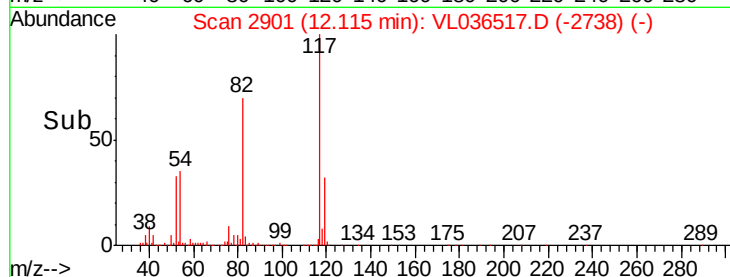
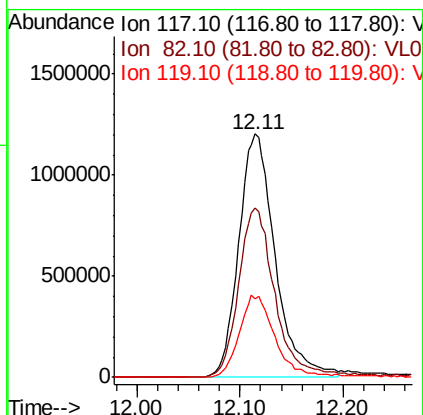
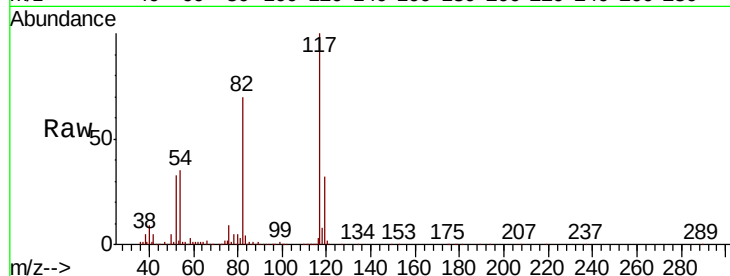




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. 0.02 min
Lab File: VL036517.D
Acq: 26 Mar 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2954029
Ion Ratio Lower Upper
117 100
82 71.4 57.4 86.0
119 34.2 47.4 71.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.858 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. 0.02 min
Lab File: VL036517.D
Acq: 26 Mar 2021 17:05

Tgt Ion: 95 Resp: 2321010
Ion Ratio Lower Upper
95 100
174 64.1 51.0 76.6
175 4.7 3.9 5.9

