

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111220\
 Data File : VL035922.D
 Acq On : 12 Nov 2020 20:39
 Operator : SY/AP
 Sample : L4720-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CVS-5DL

Quant Time: Nov 13 01:00:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1105853	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3891338	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3650239	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2640954	10.18	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

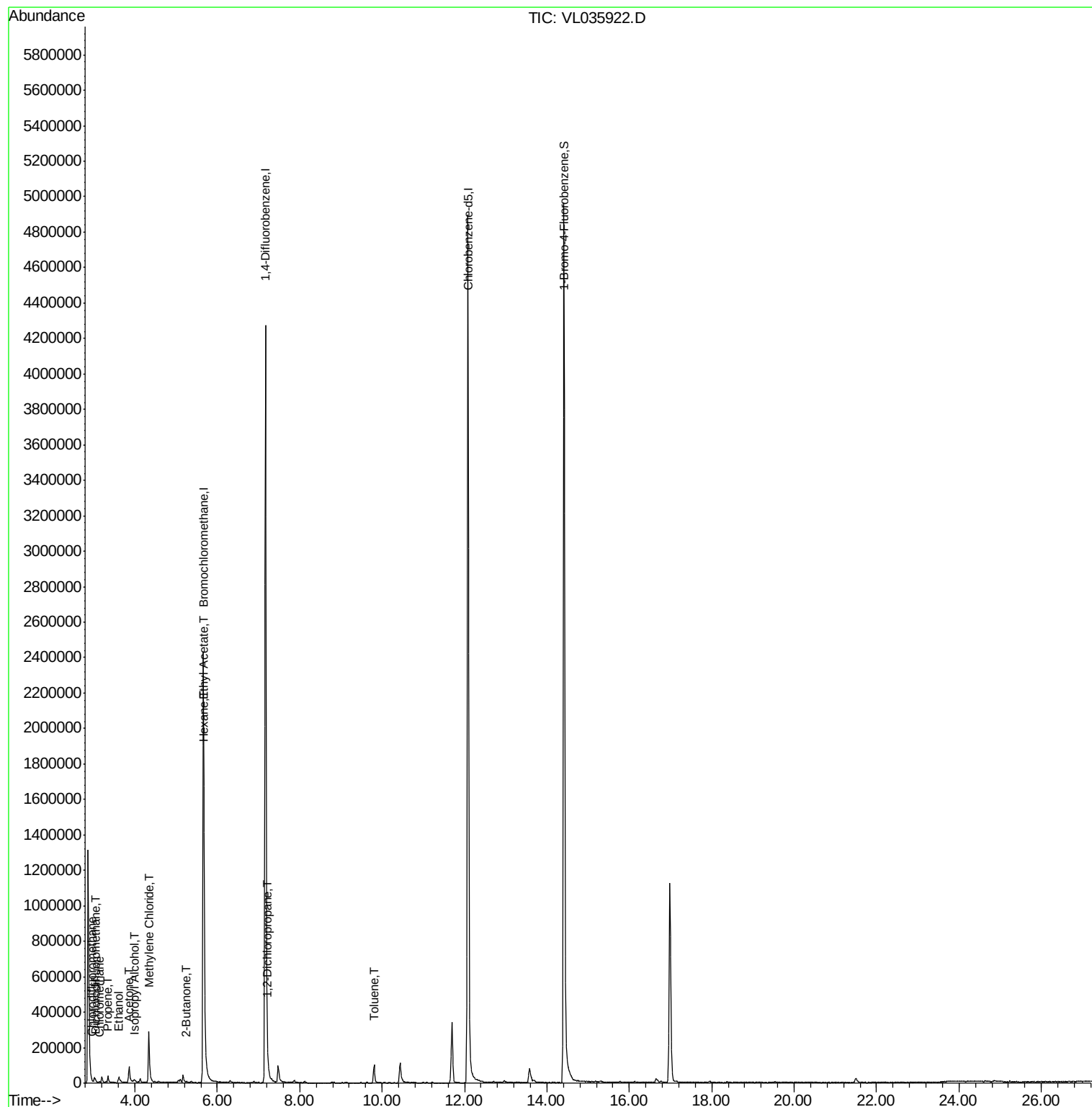
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	13697	0.066	ppbv	90
3) Chlorodifluoromethane	2.98	51	9150	0.069	ppbv #	83
4) Chloromethane	3.13	50	2310	0.036	ppbv #	81
9) Propene	3.35	41	8514	0.176	ppbv	85
13) Ethanol	3.61	45	46806	4.451	ppbv	97
15) Acetone	3.86	43	83934	0.710	ppbv #	85
19) Isopropyl Alcohol	3.98	45	8453	0.116	ppbv #	90
20) Methylene Chloride	4.34	84	148611	1.786	ppbv	97
25) Ethyl Acetate	5.68	43	60534	0.260	ppbv #	75
26) Hexane	5.68	57	100892	0.785	ppbv #	45
34) 2-Butanone	5.26	43	6591	0.052	ppbv #	77
39) 1,2-Dichloropropane	7.23	63	8728	0.090	ppbv #	28
53) Toluene	9.81	91	95957	0.275	ppbv	93

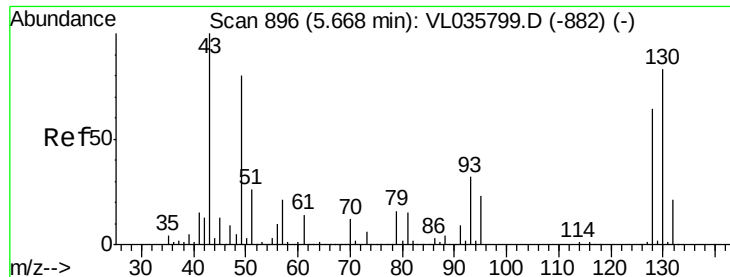
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111220\
Data File : VL035922.D
Acq On : 12 Nov 2020 20:39
Operator : SY/AP
Sample : L4720-05DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CVS-5DL

Quant Time: Nov 13 01:00:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL035922.D

Acq: 12 Nov 2020 20:39

Instrument :

MSVOA_L

ClientSampleId :

CVS-5DL

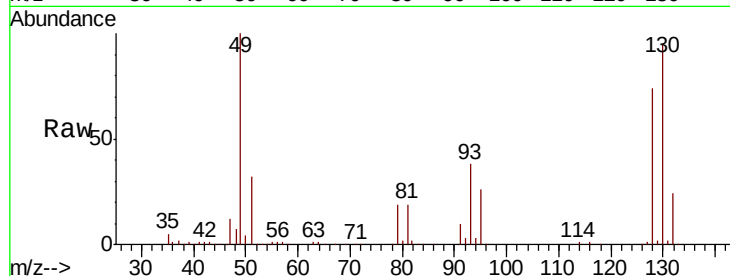
Tot Ion: 49 Resp: 1105853

Ion Ratio Lower Upper

49 100

128 76.6 41.5 124.6

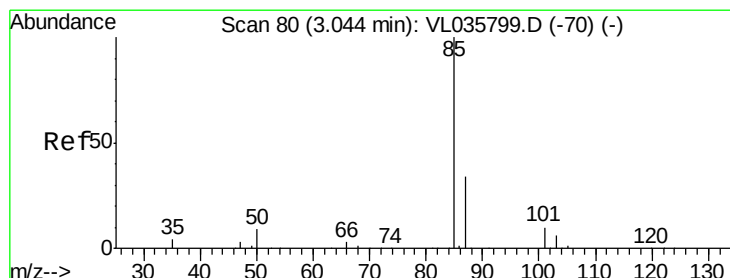
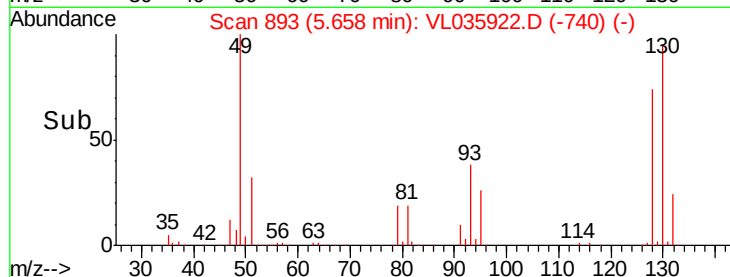
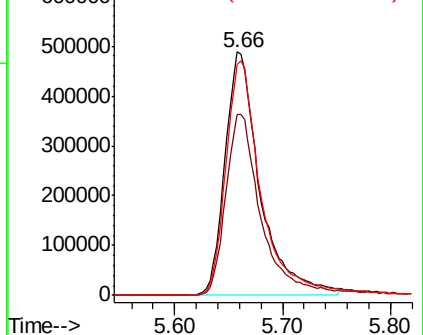
130 99.2 53.7 161.1



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



#2

Dichlorodifluoromethane

Concen: 0.066 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL035922.D

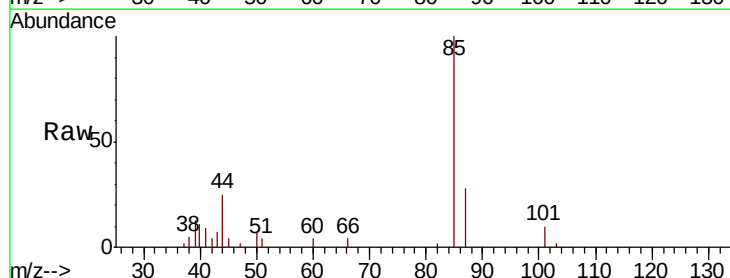
Acq: 12 Nov 2020 20:39

Tgt Ion: 85 Resp: 13697

Ion Ratio Lower Upper

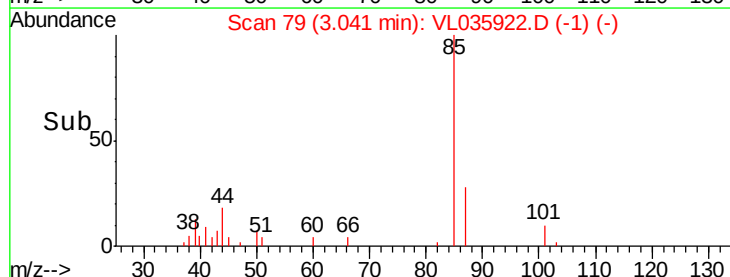
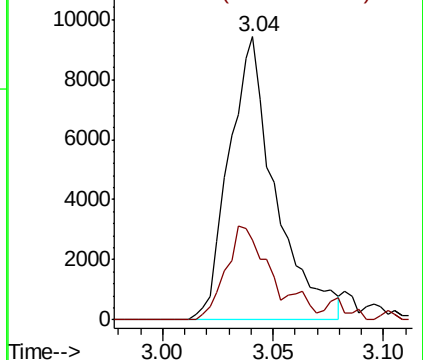
85 100

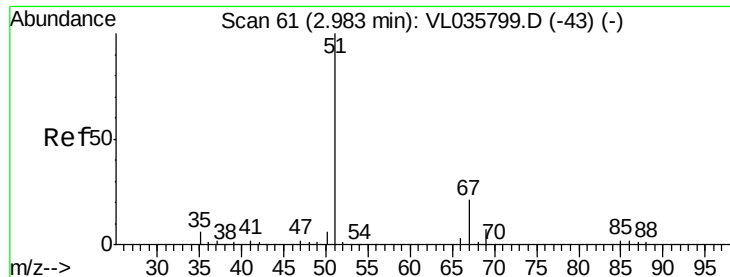
87 28.1 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.069 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL035922.D

Acq: 12 Nov 2020 20:39

Instrument :

MSVOA_L

ClientSampleId :

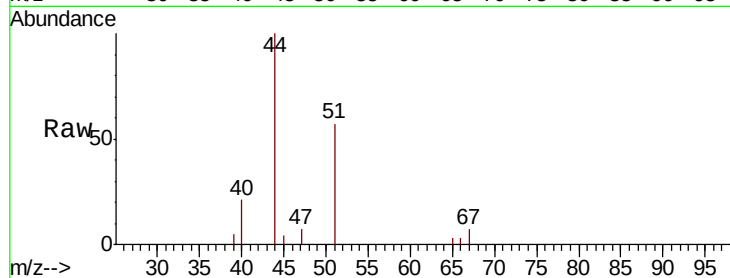
CVS-5DL

Tot Ion: 51 Resp: 9150

Ion Ratio Lower Upper

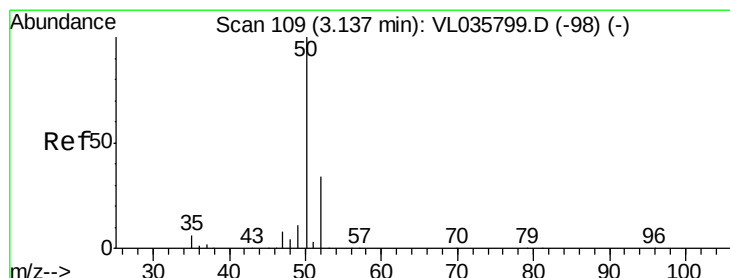
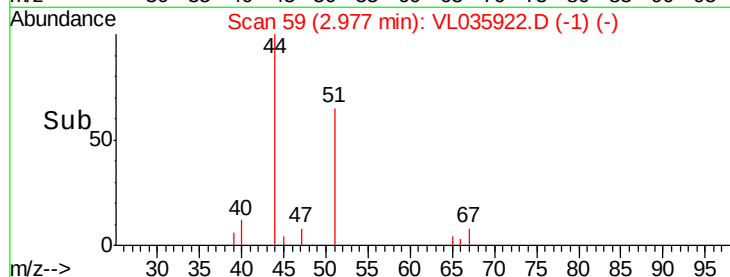
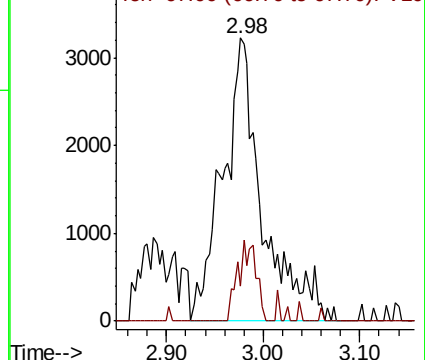
51 100

67 13.1 17.0 25.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.036 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL035922.D

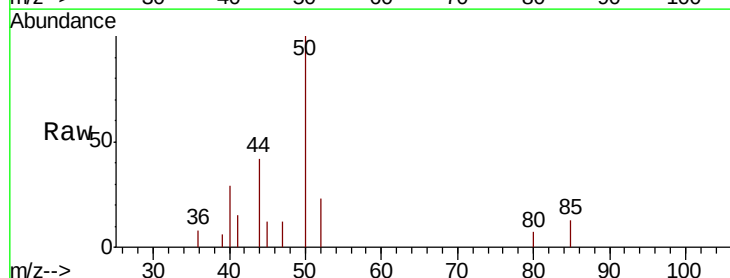
Acq: 12 Nov 2020 20:39

Tgt Ion: 50 Resp: 2310

Ion Ratio Lower Upper

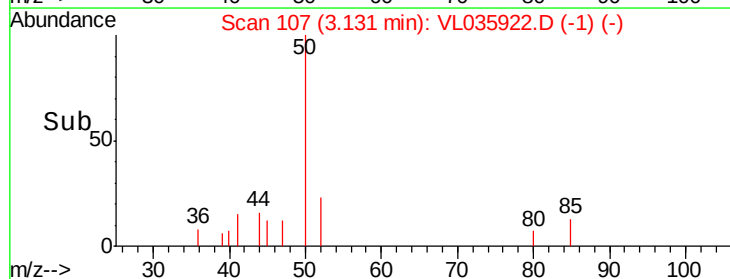
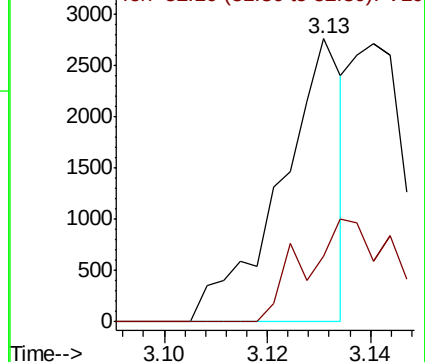
50 100

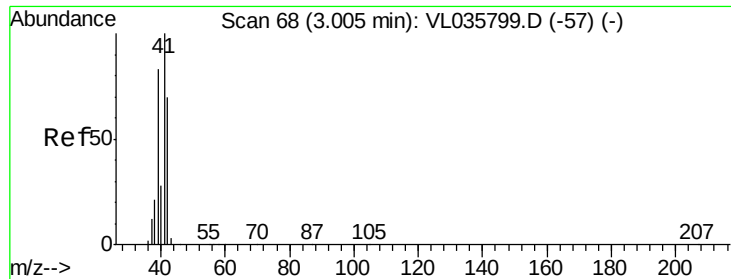
52 23.1 27.1 40.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.176 ppbv

RT: 3.35 min Scan# 174

Delta R.T. 0.34 min

Lab File: VL035922.D

Acq: 12 Nov 2020 20:39

Instrument :

MSVOA_L

ClientSampleId :

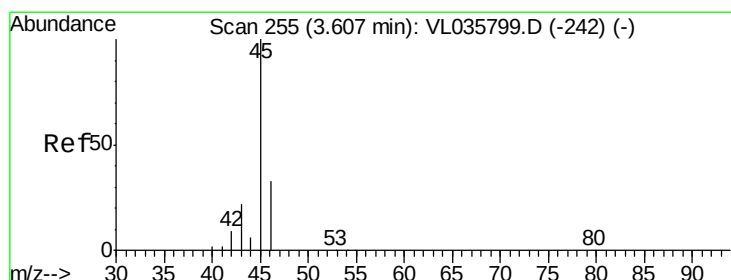
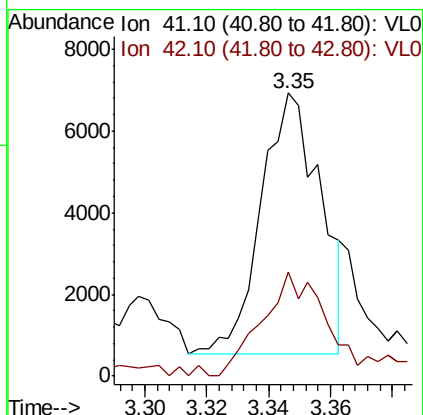
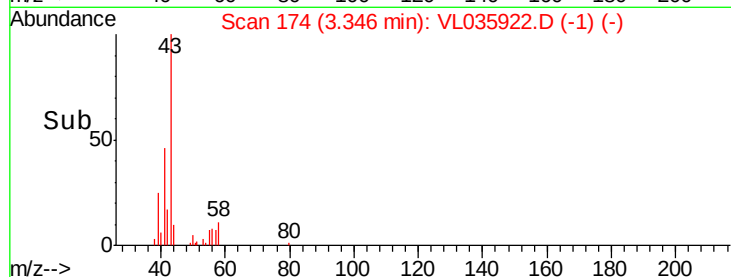
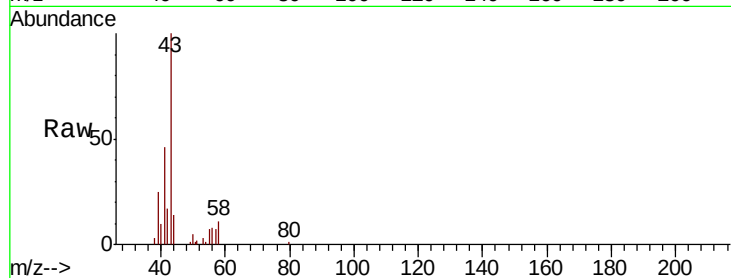
CVS-5DL

Tot Ion: 41 Resp: 8514

Ion Ratio Lower Upper

41 100

42 57.7 56.2 84.4



#13

Ethanol

Concen: 4.451 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.00 min

Lab File: VL035922.D

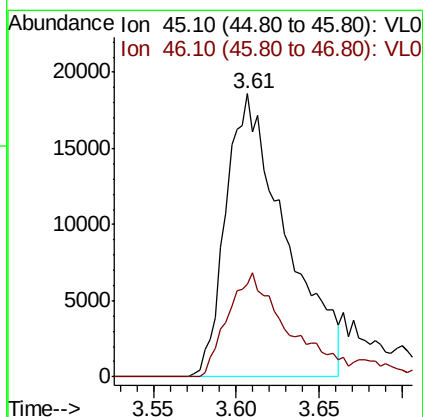
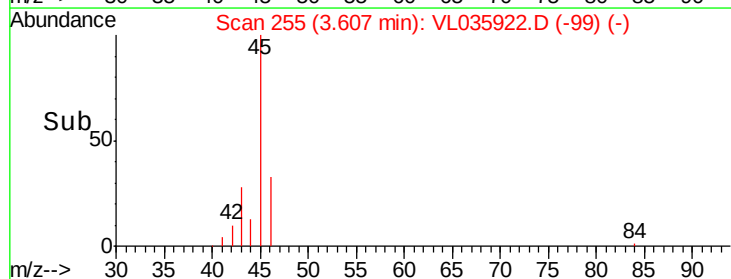
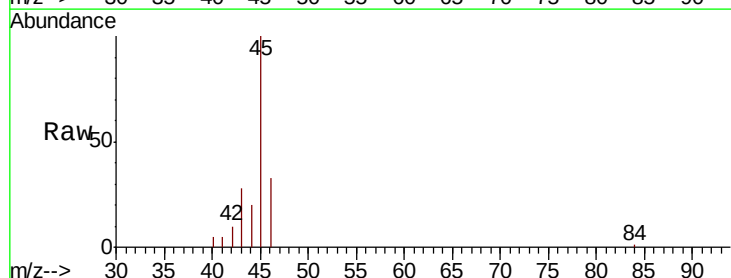
Acq: 12 Nov 2020 20:39

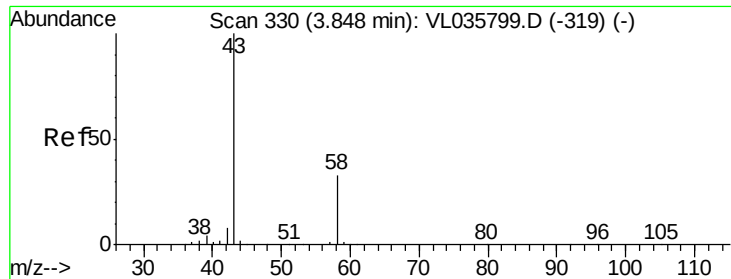
Tgt Ion: 45 Resp: 46806

Ion Ratio Lower Upper

45 100

46 41.9 16.1 64.5





#15

Acetone

Concen: 0.710 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL035922.D

Acq: 12 Nov 2020 20:39

Instrument :

MSVOA_L

ClientSampleId :

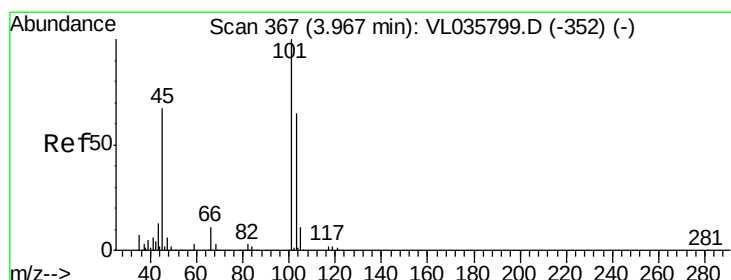
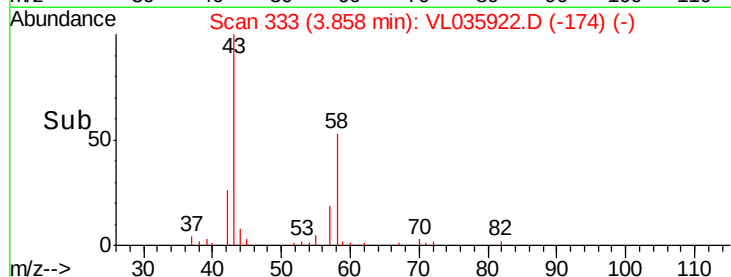
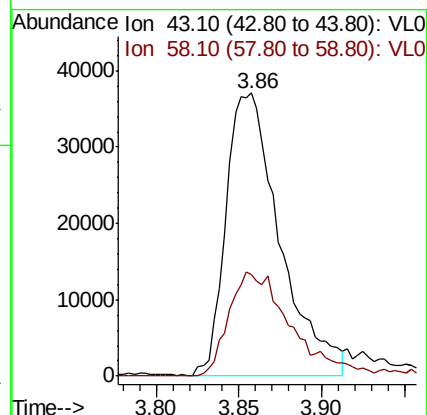
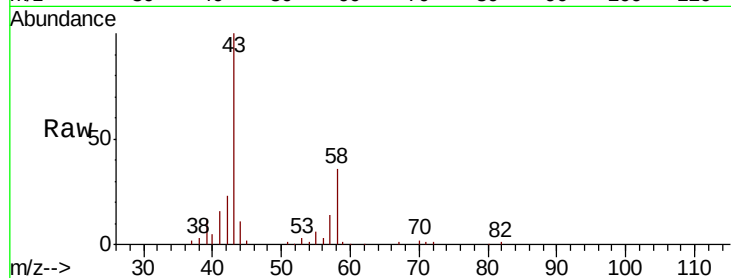
CVS-5DL

Tot Ion: 43 Resp: 83934

Ion Ratio Lower Upper

43 100

58 43.1 27.5 41.3#



#19

Isopropyl Alcohol

Concen: 0.116 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL035922.D

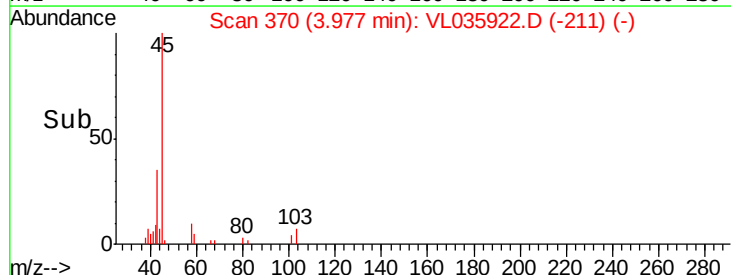
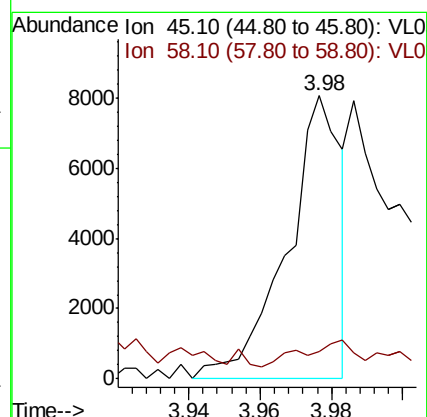
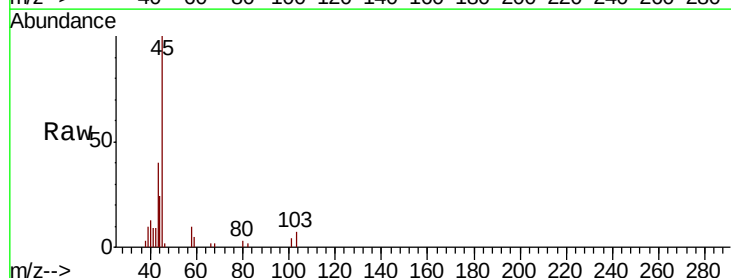
Acq: 12 Nov 2020 20:39

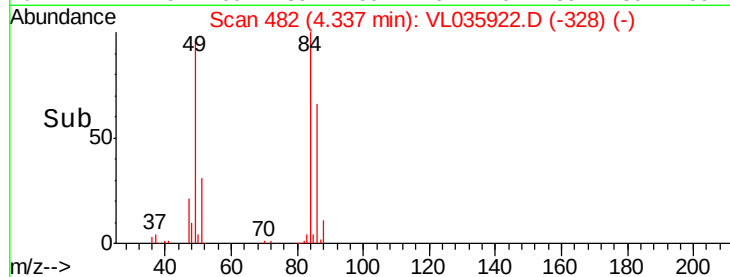
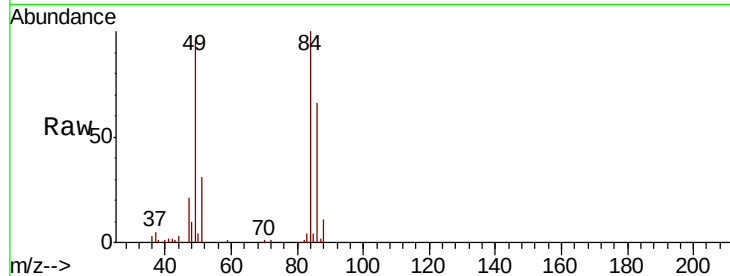
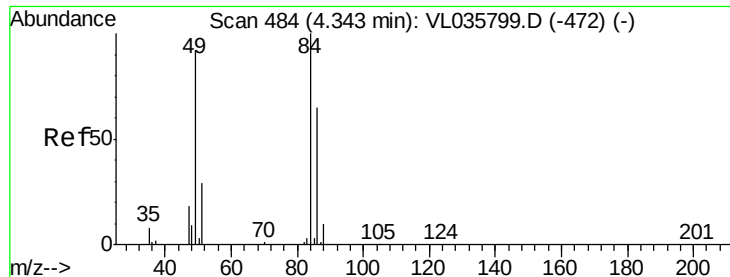
Tgt Ion: 45 Resp: 8453

Ion Ratio Lower Upper

45 100

58 0.0 2.6 3.8#

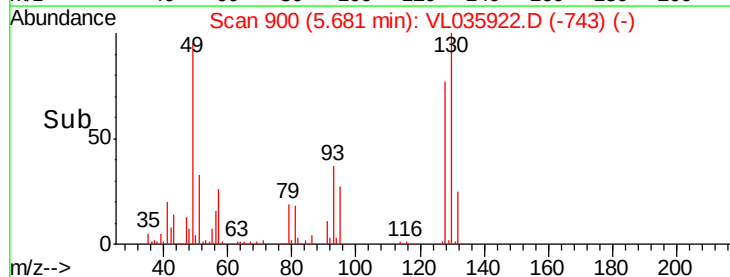
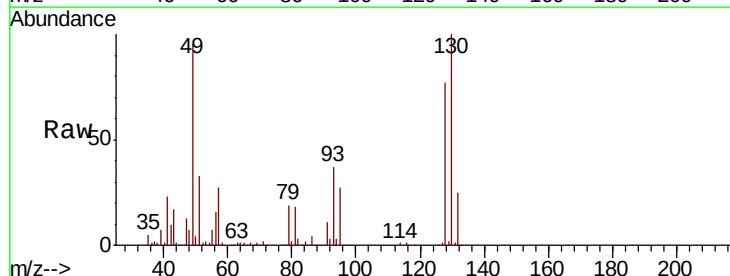
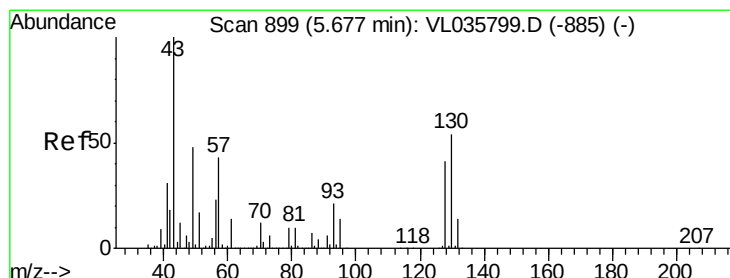
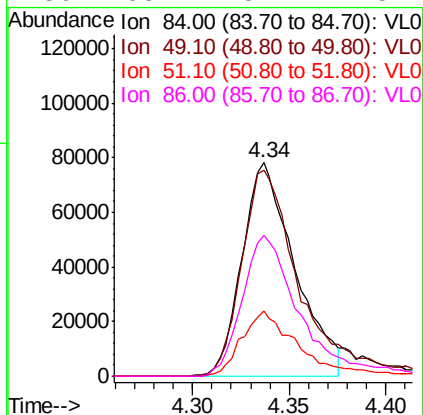




#20
Methylene Chloride
Concen: 1.786 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL035922.D
Acq: 12 Nov 2020 20:39

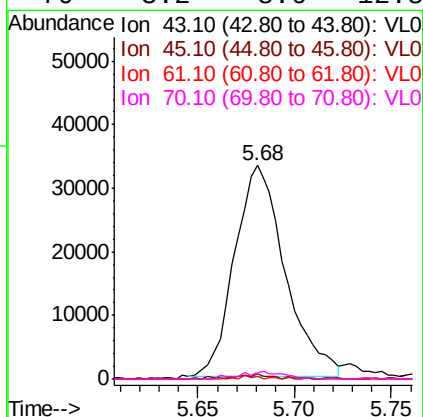
Instrument :
MSVOA_L
ClientSampleId :
CVS-5DL

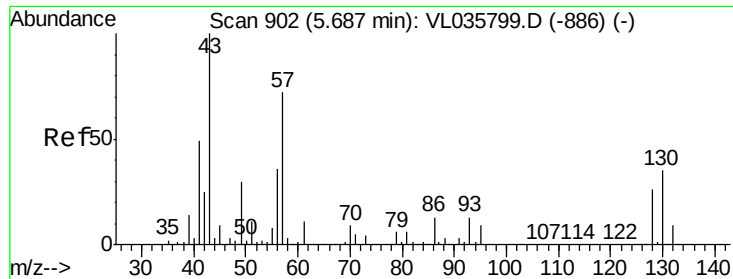
Tot Ion:	84	Resp:	148611
Ion	Ratio	Lower	Upper
84	100		
49	96.2	73.8	110.8
51	30.7	23.0	34.4
86	65.7	52.1	78.1



#25
Ethyl Acetate
Concen: 0.260 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL035922.D
Acq: 12 Nov 2020 20:39

Tgt Ion:	43	Resp:	60534
Ion	Ratio	Lower	Upper
43	100		
45	1.6	8.5	12.7#
61	1.0	10.7	16.1#
70	3.2	8.6	12.8#

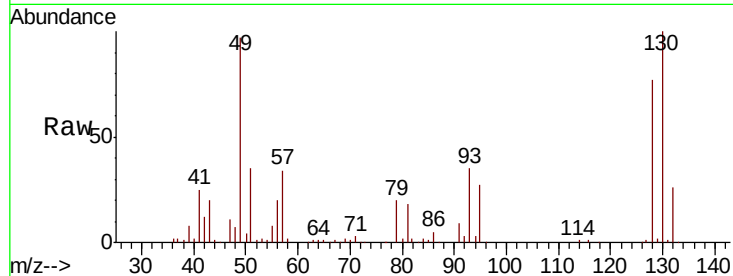




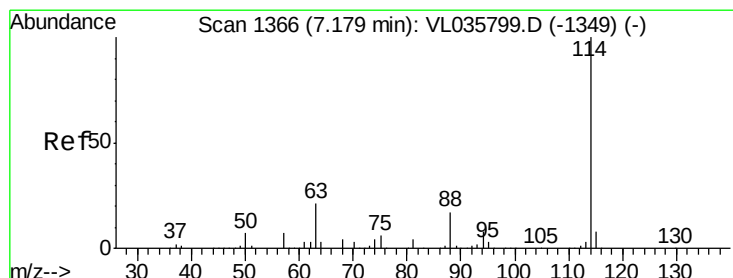
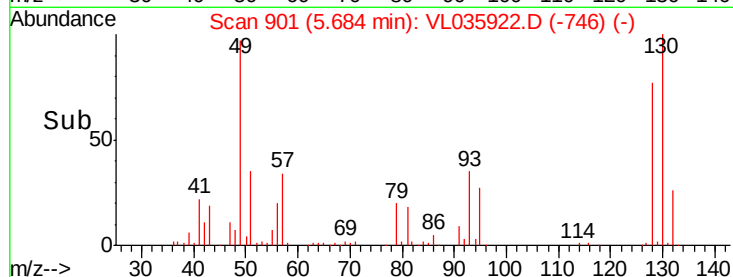
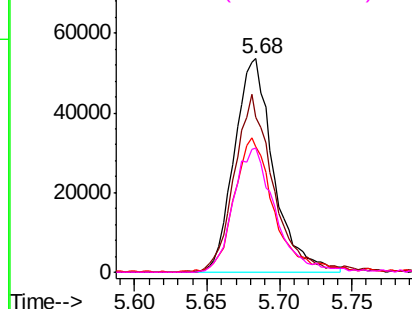
#26
Hexane
Concen: 0.785 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL035922.D
Acq: 12 Nov 2020 20:39

Instrument :
MSVOA_L
ClientSampleId :
CVS-5DL

Tot Ion: 57 Resp: 100892
Ion Ratio Lower Upper
57 100
41 84.0 58.9 88.3
43 65.8 150.2 225.2#
56 62.5 42.4 63.6

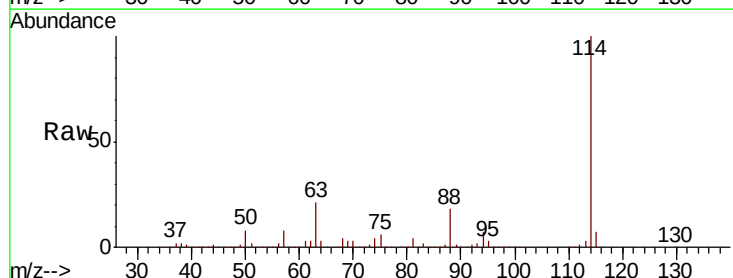


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

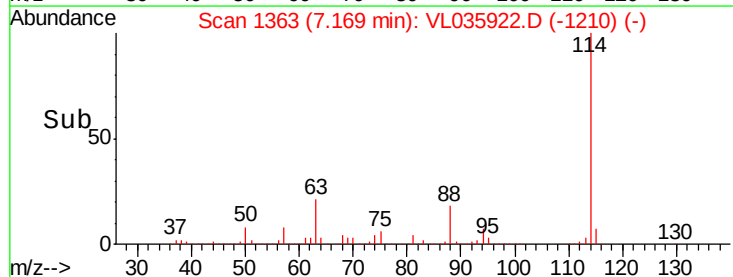
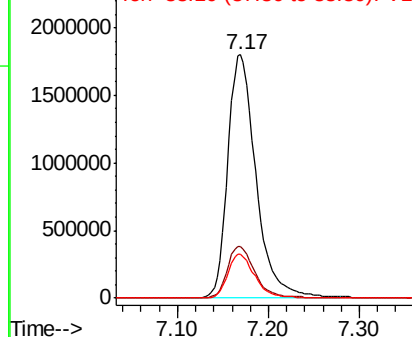


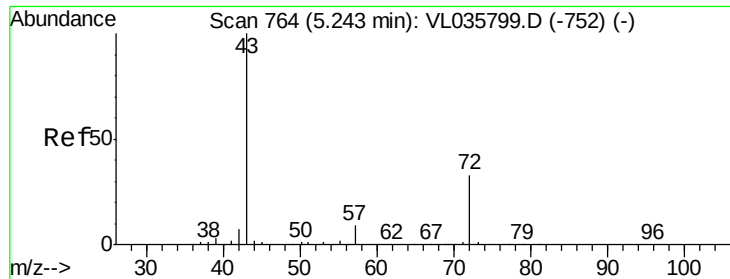
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL035922.D
Acq: 12 Nov 2020 20:39

Tgt Ion: 114 Resp: 3891338
Ion Ratio Lower Upper
114 100
63 20.9 16.1 24.1
88 17.5 13.7 20.5



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

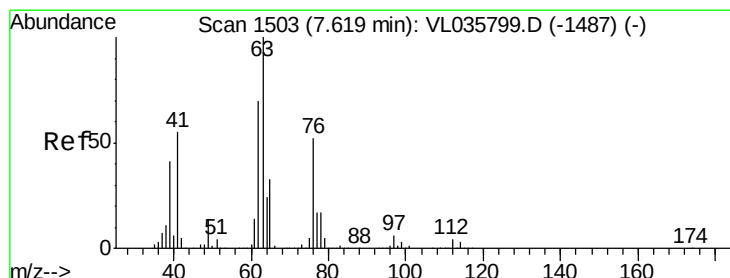
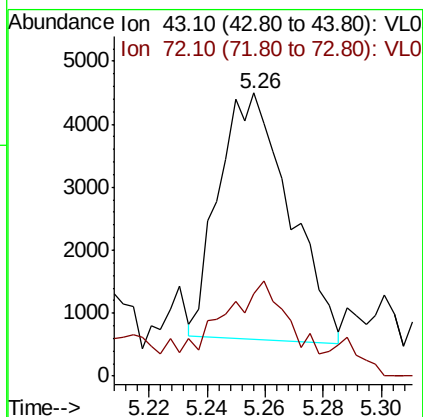
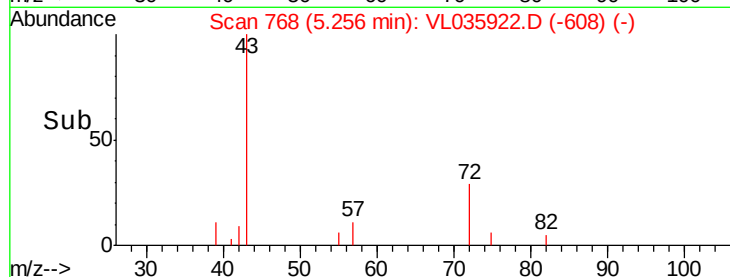
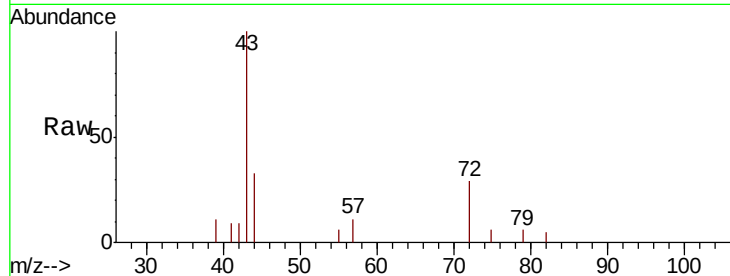




#34
2-Butanone
Concen: 0.052 ppbv
RT: 5.26 min Scan# 768
Delta R.T. 0.01 min
Lab File: VL035922.D
Acq: 12 Nov 2020 20:39

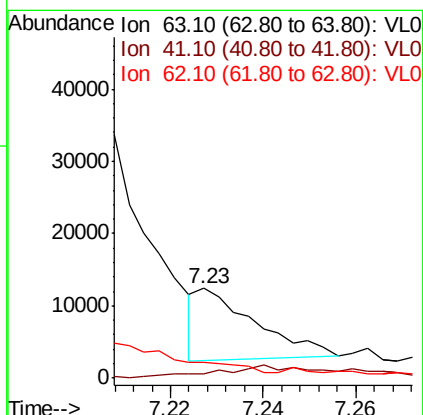
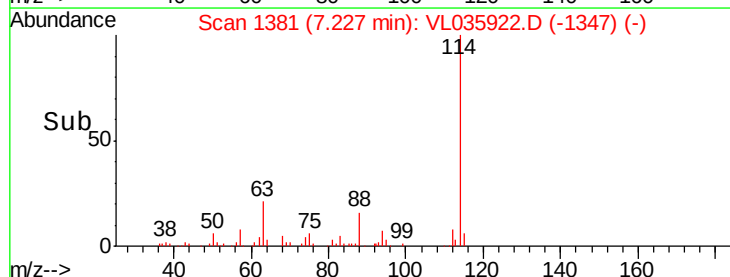
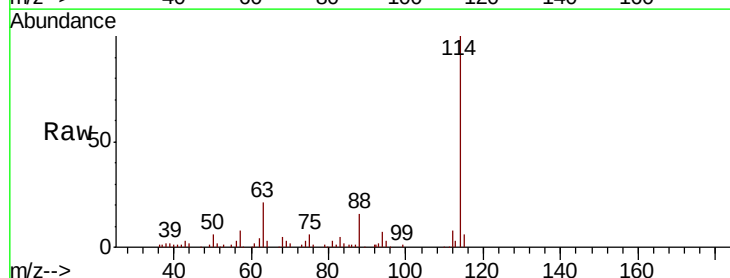
Instrument :
MSVOA_L
ClientSampleId :
CVS-5DL

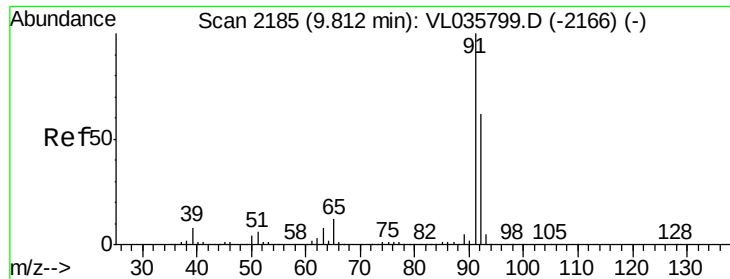
Tot Ion: 43 Resp: 6591
Ion Ratio Lower Upper
43 100
72 46.0 26.5 39.7#



#39
1,2-Dichloropropane
Concen: 0.090 ppbv
RT: 7.23 min Scan# 1381
Delta R.T. -0.39 min
Lab File: VL035922.D
Acq: 12 Nov 2020 20:39

Tgt Ion: 63 Resp: 8728
Ion Ratio Lower Upper
63 100
41 0.2 43.8 65.6#
62 12.9 56.2 84.2#





#53

Toluene

Concen: 0.275 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL035922.D

Acq: 12 Nov 2020 20:39

Instrument :

MSVOA_L

ClientSampleId :

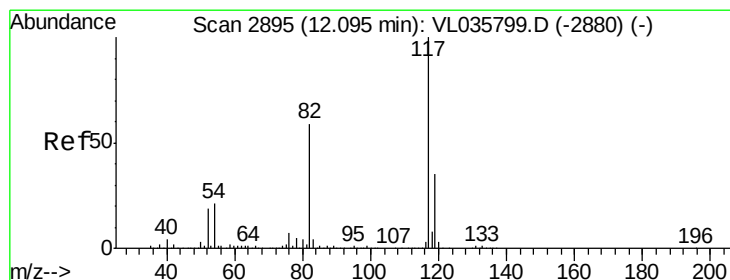
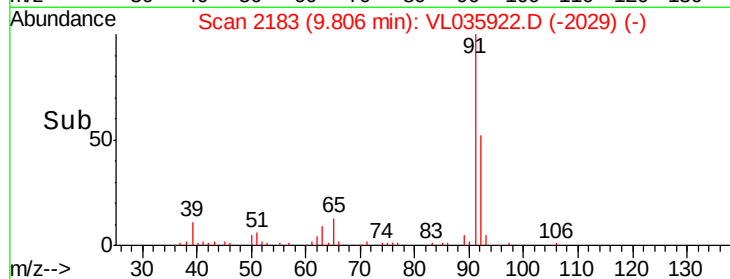
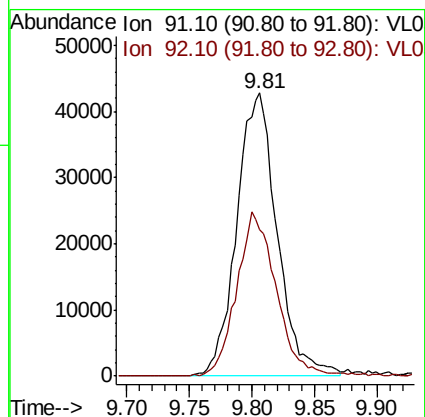
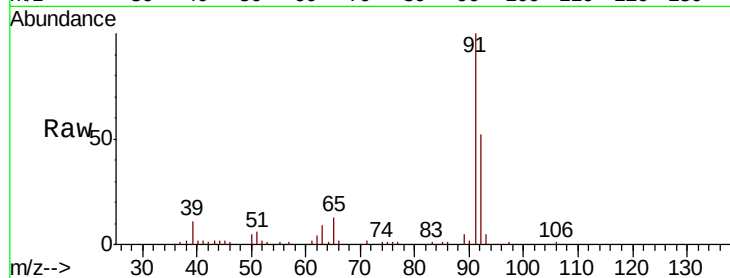
CVS-5DL

Tot Ion: 91 Resp: 95957

Ion Ratio Lower Upper

91 100

92 57.1 49.8 74.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL035922.D

Acq: 12 Nov 2020 20:39

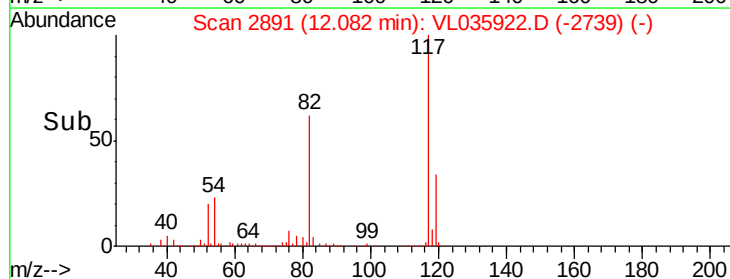
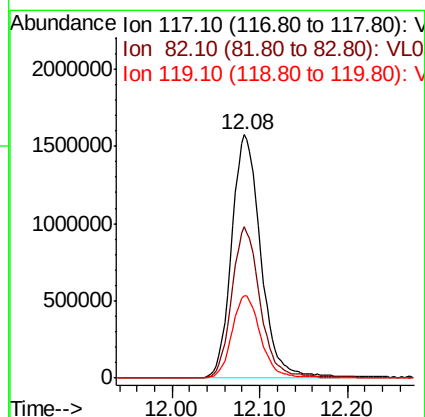
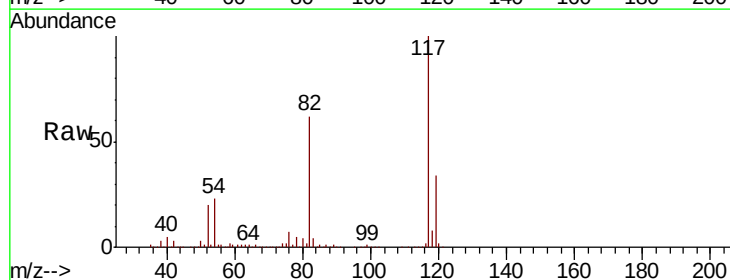
Tgt Ion: 117 Resp: 3650239

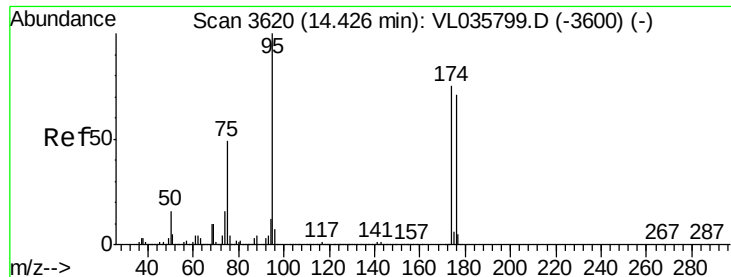
Ion Ratio Lower Upper

117 100

82 61.5 50.6 76.0

119 33.9 52.6 78.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.183 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.01 min

Lab File: VL035922.D

Acq: 12 Nov 2020 20:39

Instrument :

MSVOA_L

ClientSampleId :

CVS-5DL

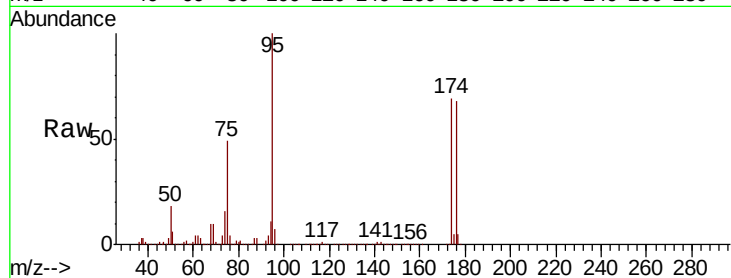
Tot Ion: 95 Resp: 2640954

Ion Ratio Lower Upper

95 100

174 73.0 59.8 89.6

175 5.2 4.3 6.5



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

