

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111220\
 Data File : VL035913.D
 Acq On : 12 Nov 2020 14:44
 Operator : SY/AP
 Sample : L4720-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CVS-1DL

Quant Time: Nov 13 00:57:53 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	1256519	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4376095	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4066628	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2937543	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

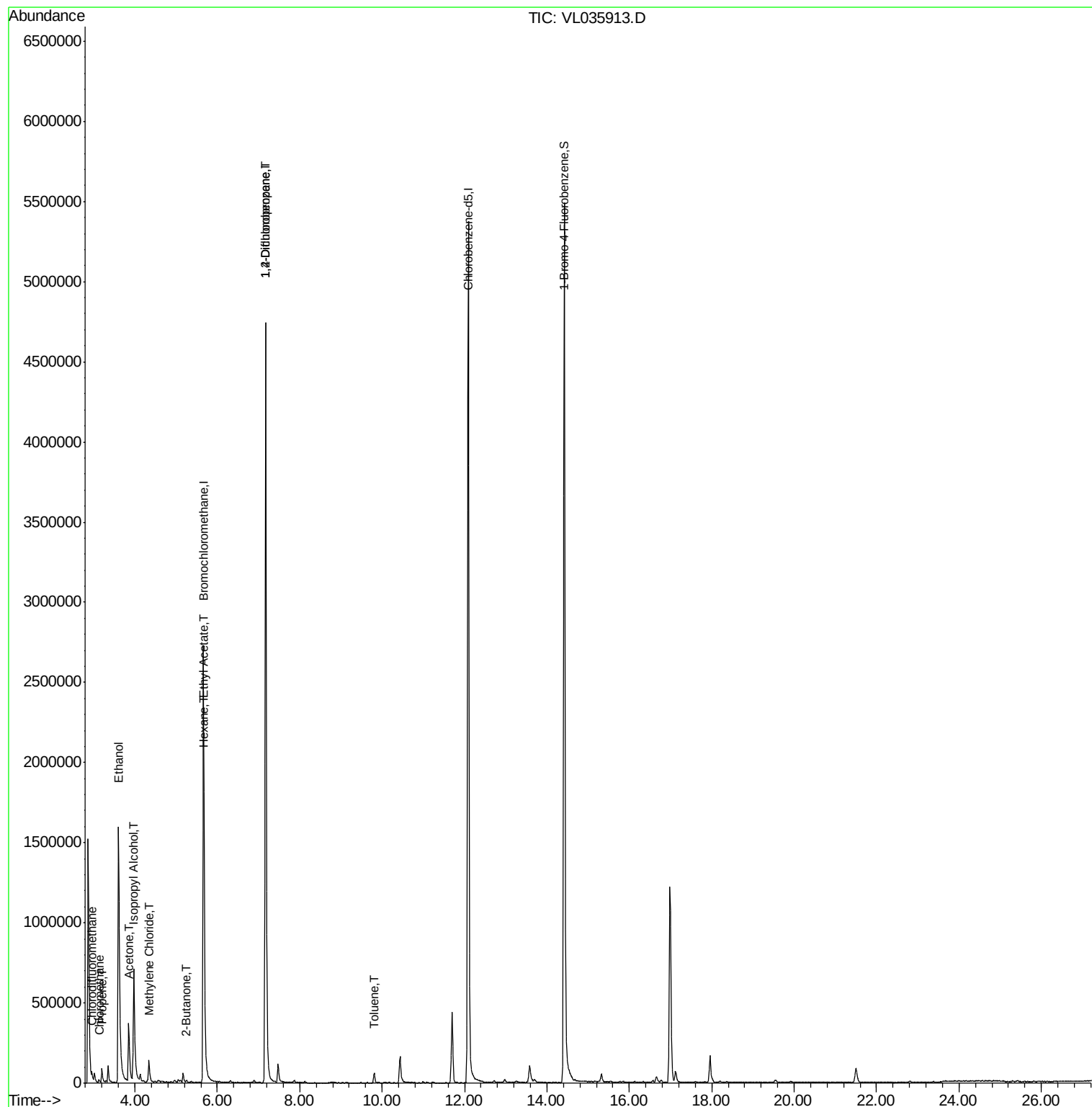
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.96	51	56582	0.376	ppbv #	62
4) Chloromethane	3.14	50	4153	0.057	ppbv	100
9) Propene	3.20	41	23443	0.426	ppbv	83
13) Ethanol	3.60	45	2425636	203.014	ppbv	95
15) Acetone	3.85	43	443000	3.298	ppbv	100
19) Isopropyl Alcohol	3.97	45	1042743	12.631	ppbv	99
20) Methylene Chloride	4.34	84	69035	0.730	ppbv	97
25) Ethyl Acetate	5.68	43	38546	0.146	ppbv #	89
26) Hexane	5.69	57	35239	0.241	ppbv #	61
34) 2-Butanone	5.24	43	8273	0.058	ppbv #	39
39) 1,2-Dichloropropane	7.17	63	902477	8.239	ppbv #	30
53) Toluene	9.81	91	55274	0.141	ppbv	95

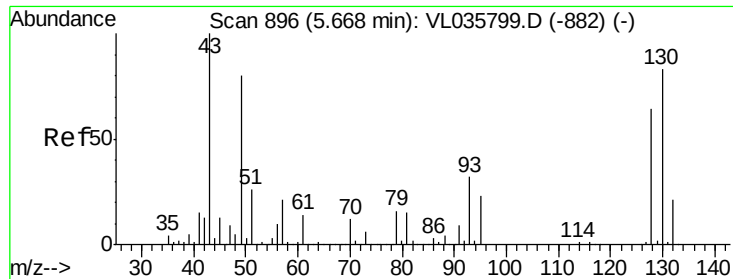
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
CVS-1DL

Quant Time: Nov 13 00:57:53 2020
Quant Method : Z:\VOASRV\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# 894

Delta R.T. -0.01 min

Lab File: VL035913.D

Acq: 12 Nov 2020 14:44

Instrument :

MSVOA_L

ClientSampleId :

CVS-1DL

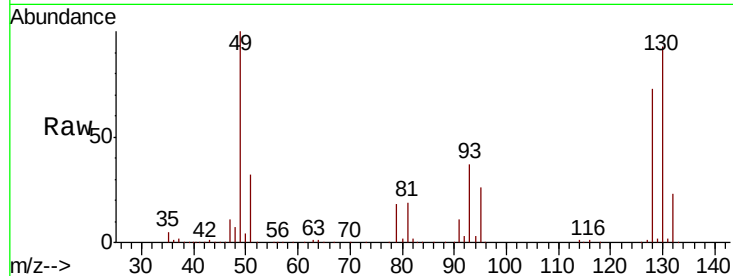
Tot Ion: 49 Resp: 1256519

Ion Ratio Lower Upper

49 100

128 76.3 41.5 124.6

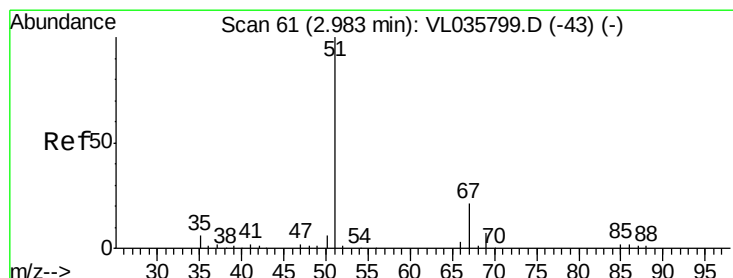
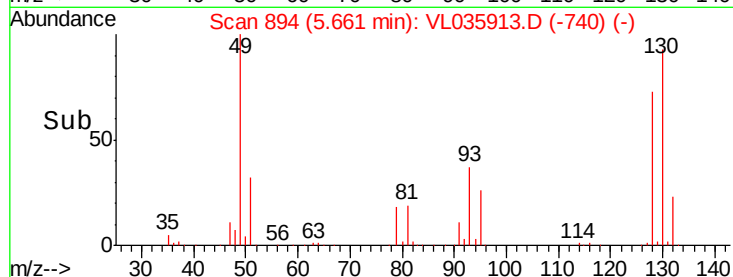
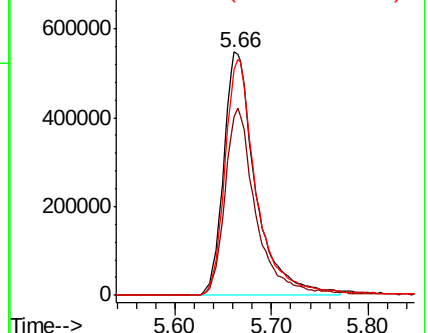
130 97.4 53.7 161.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.376 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.03 min

Lab File: VL035913.D

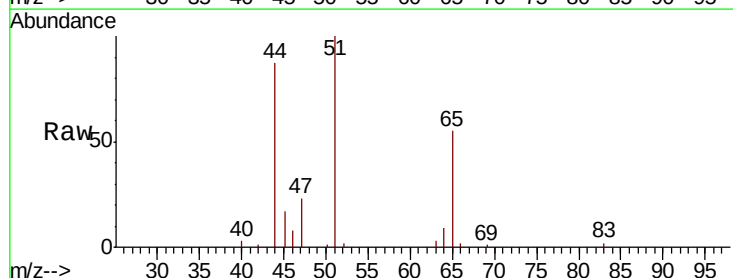
Acq: 12 Nov 2020 14:44

Tgt Ion: 51 Resp: 56582

Ion Ratio Lower Upper

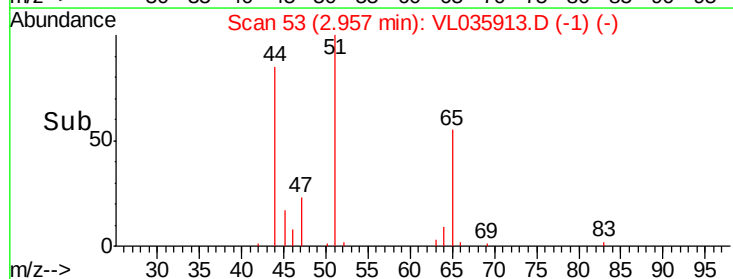
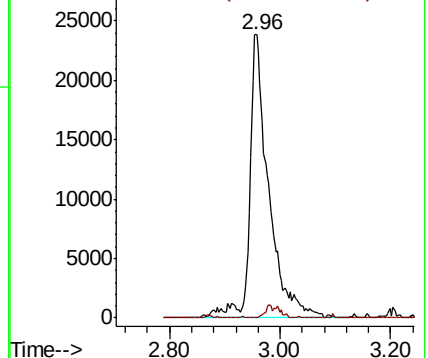
51 100

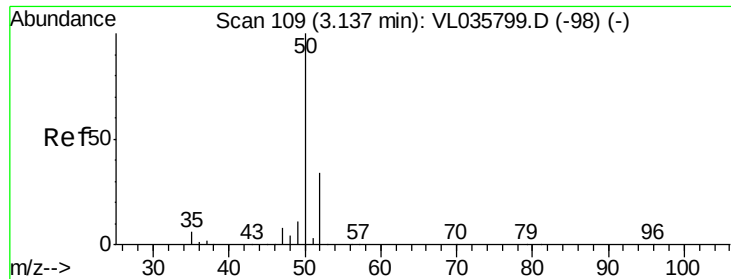
67 3.2 17.0 25.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

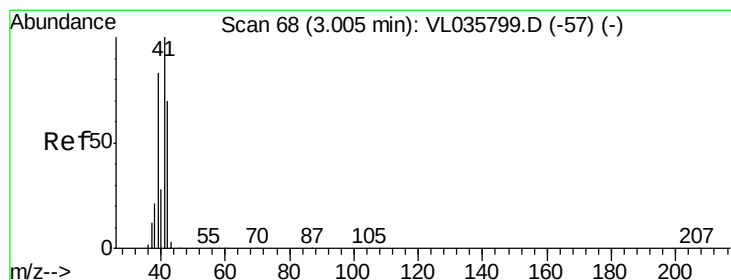
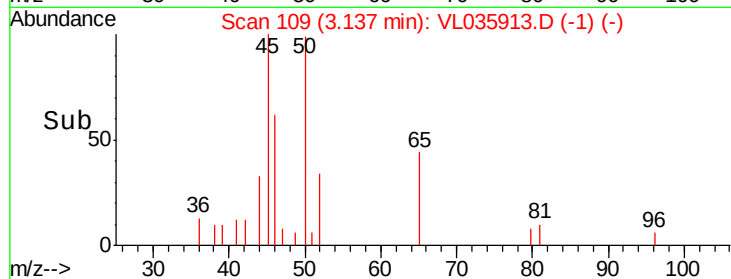
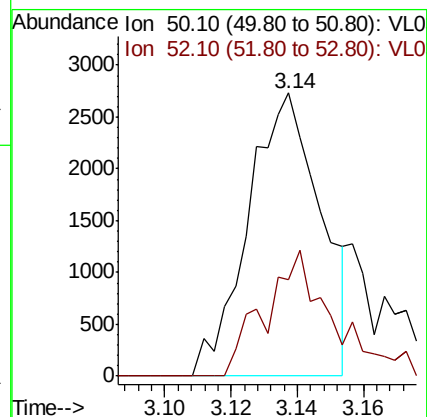
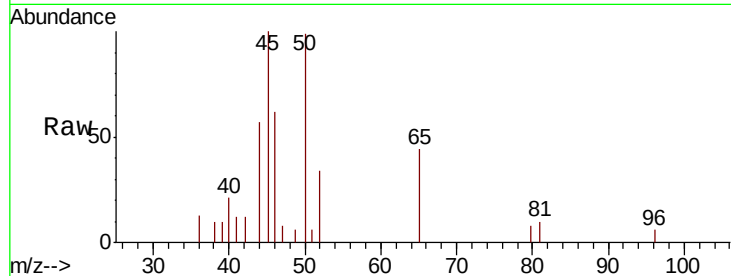




#4
Chloromethane
Concen: 0.057 ppbv
RT: 3.14 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL035913.D
Acq: 12 Nov 2020 14:44

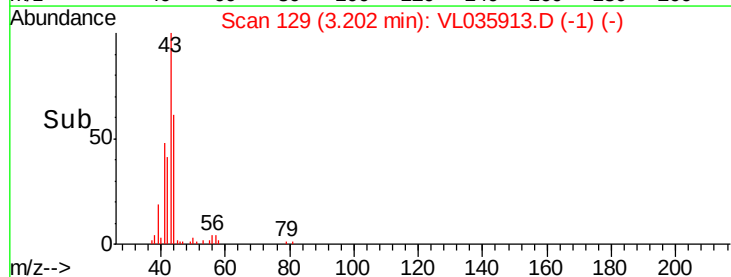
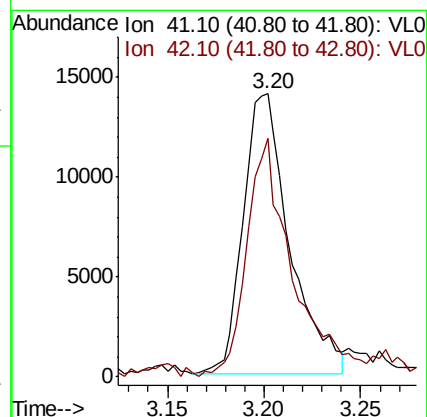
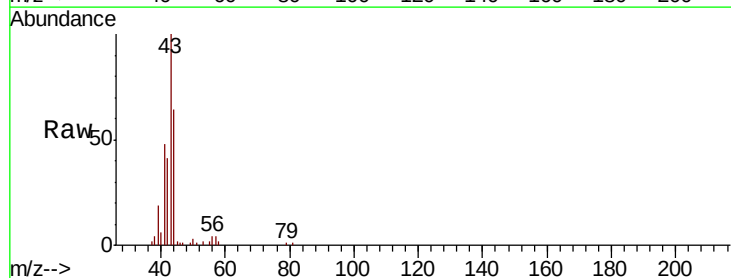
Instrument :
MSVOA_L
ClientSampleId :
CVS-1DL

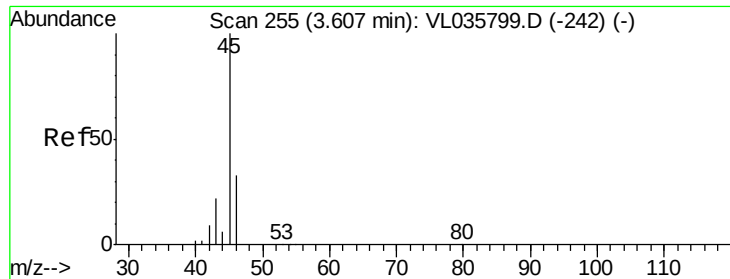
Tot Ion: 50 Resp: 4153
Ion Ratio Lower Upper
50 100
52 33.9 27.1 40.7



#9
Propene
Concen: 0.426 ppbv
RT: 3.20 min Scan# 129
Delta R.T. 0.20 min
Lab File: VL035913.D
Acq: 12 Nov 2020 14:44

Tgt Ion: 41 Resp: 23443
Ion Ratio Lower Upper
41 100
42 84.3 56.2 84.4





#13

Ethanol

Concen: 203.014 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL035913.D

Acq: 12 Nov 2020 14:44

Instrument :

MSVOA_L

ClientSampleId :

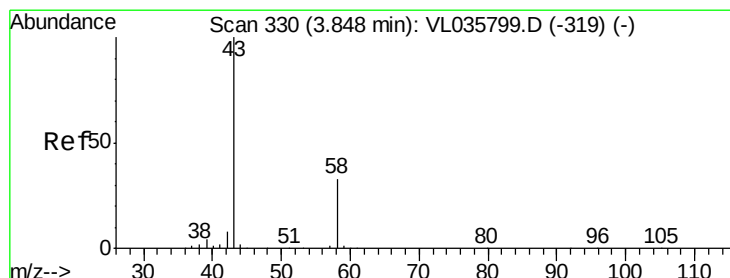
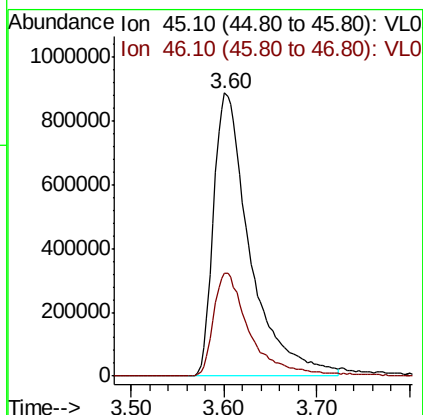
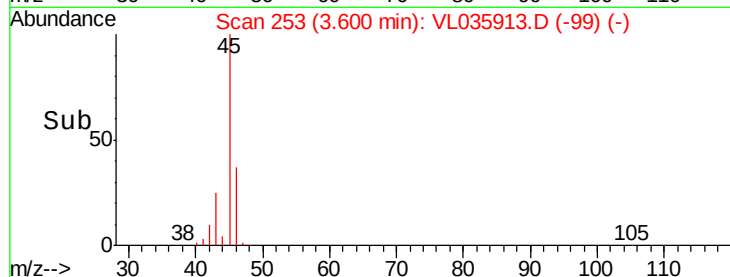
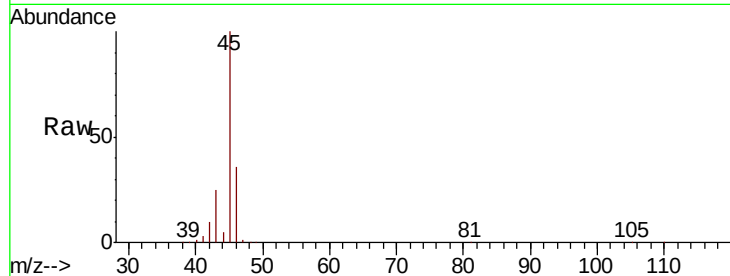
CVS-1DL

Tot Ion: 45 Resp: 2425636

Ion Ratio Lower Upper

45 100

46 37.1 16.1 64.5



#15

Acetone

Concen: 3.298 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.00 min

Lab File: VL035913.D

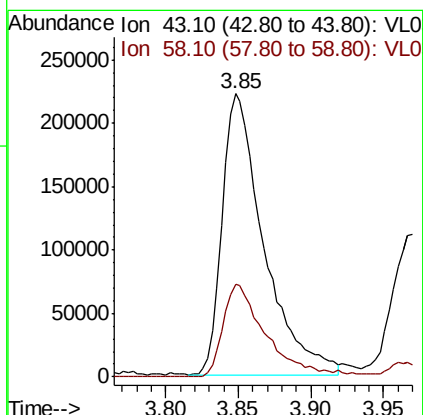
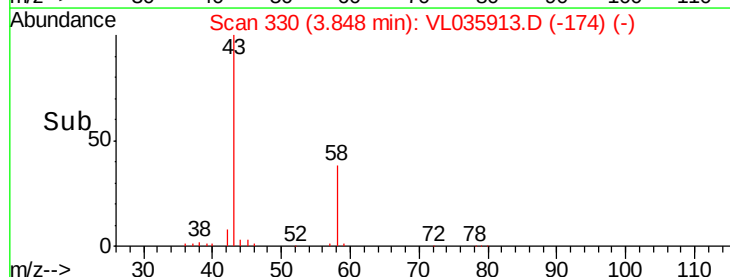
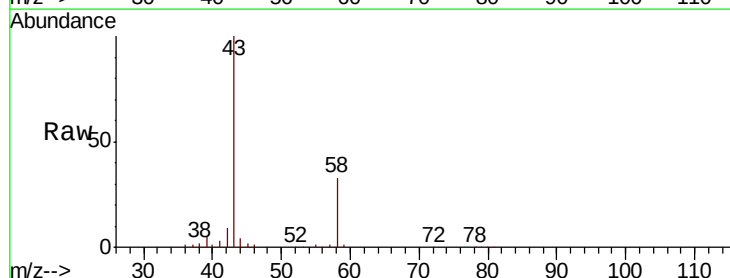
Acq: 12 Nov 2020 14:44

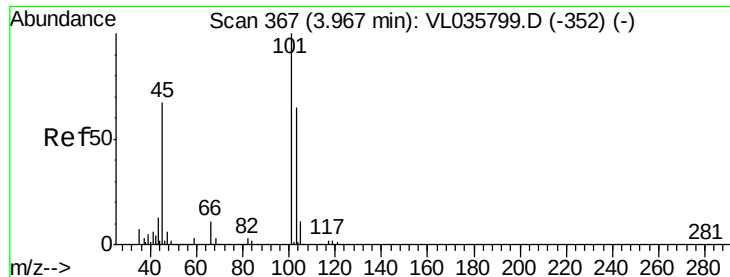
Tgt Ion: 43 Resp: 443000

Ion Ratio Lower Upper

43 100

58 34.5 27.5 41.3



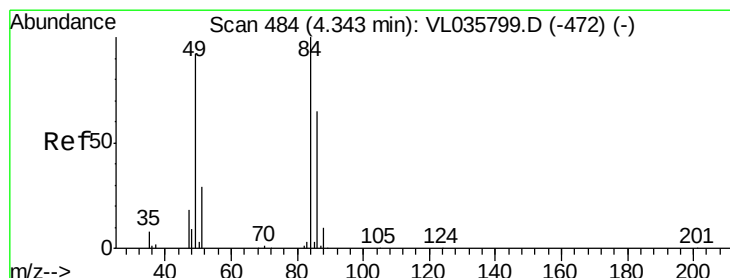
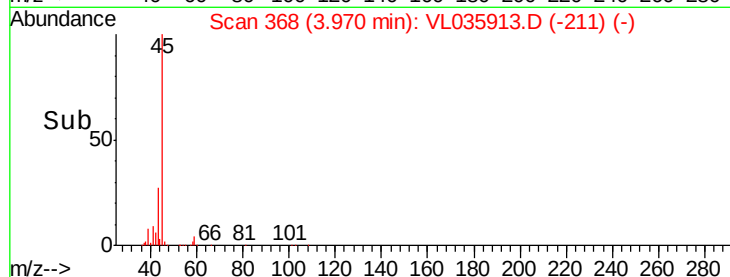
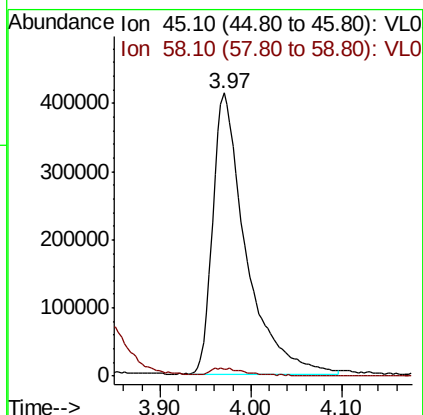
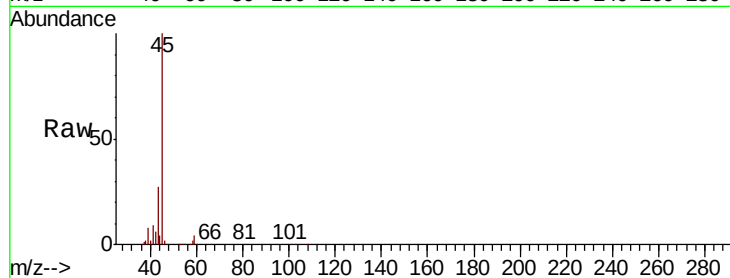


#19

Isopropyl Alcohol
 Concen: 12.631 ppbv
 RT: 3.97 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VL035913.D
 Acq: 12 Nov 2020 14:44

Instrument :
 MSVOA_L
 ClientSampleId :
 CVS-1DL

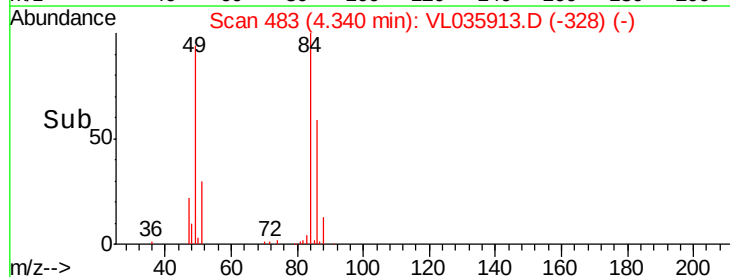
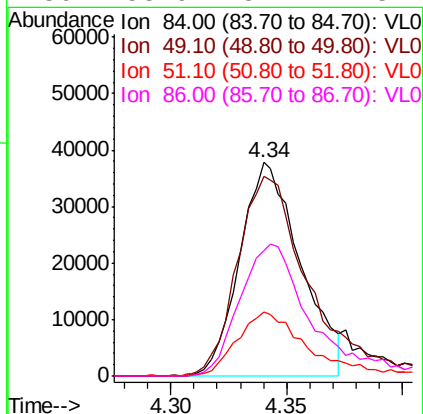
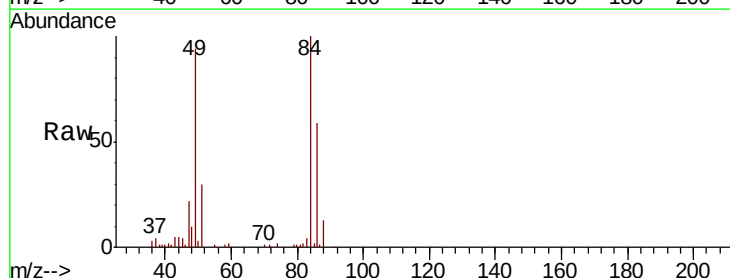
Tot Ion: 45 Resp: 1042743
 Ion Ratio Lower Upper
 45 100
 58 3.4 2.6 3.8

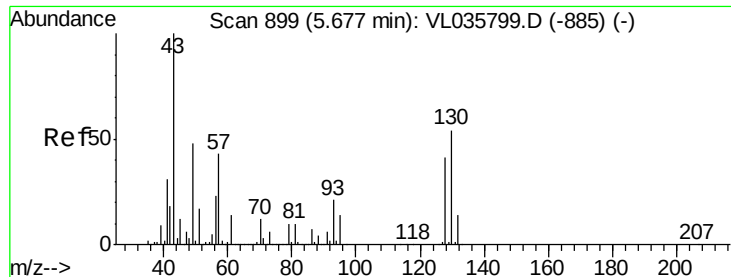


#20

Methylene Chloride
 Concen: 0.730 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. -0.00 min
 Lab File: VL035913.D
 Acq: 12 Nov 2020 14:44

Tgt Ion: 84 Resp: 69035
 Ion Ratio Lower Upper
 84 100
 49 92.9 73.8 110.8
 51 28.9 23.0 34.4
 86 58.9 52.1 78.1

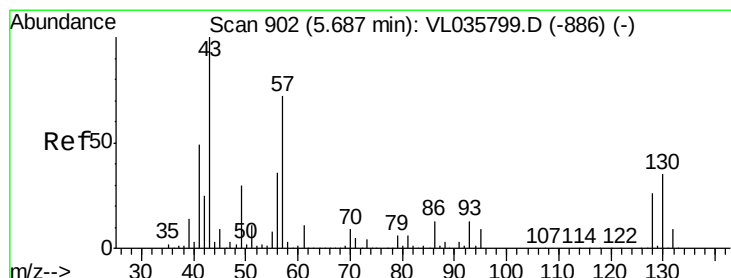
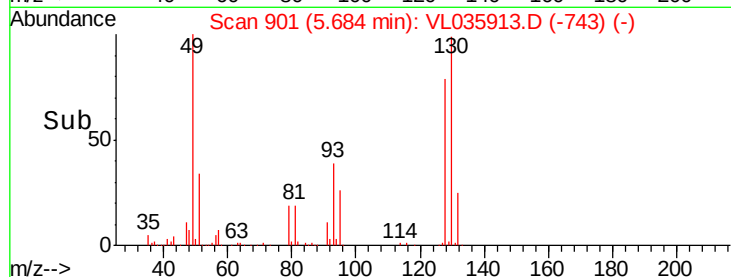
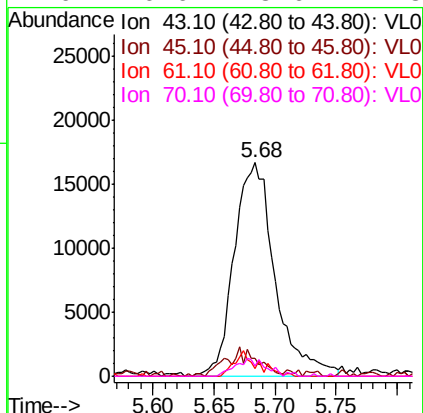
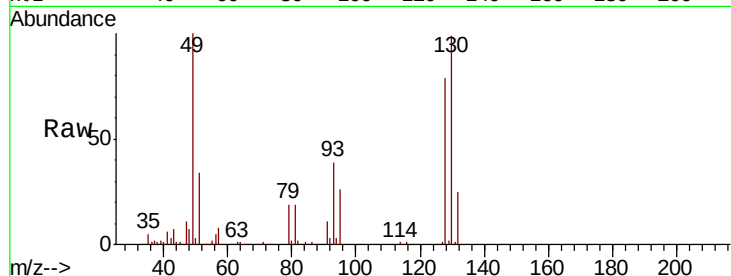




#25
Ethyl Acetate
Concen: 0.146 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL035913.D
Acq: 12 Nov 2020 14:44

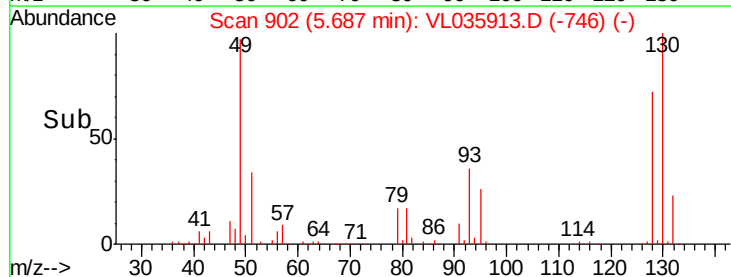
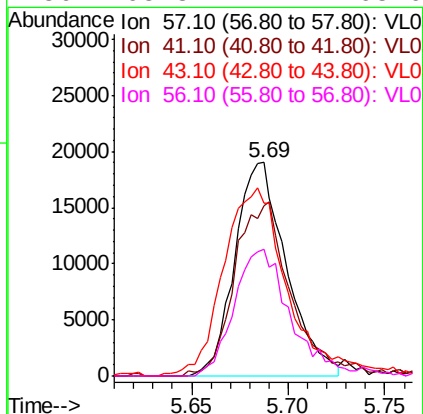
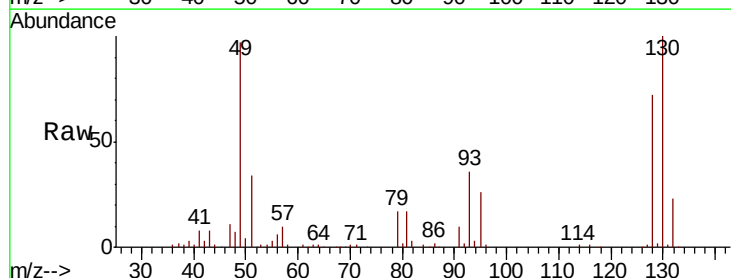
Instrument :
MSVOA_L
ClientSampleID :
CVS-1DL

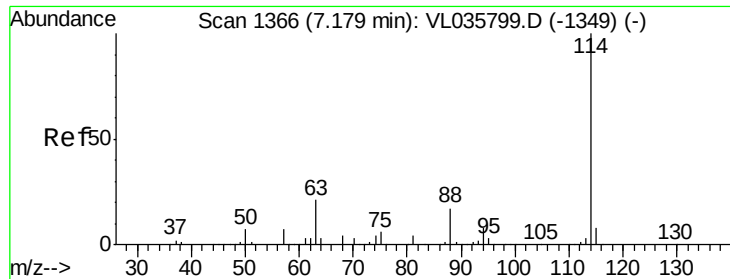
Tot Ion:	43	Resp:	38546
Ion	Ratio	Lower	Upper
43	100		
45	12.6	8.5	12.7
61	7.0	10.7	16.1#
70	6.6	8.6	12.8#



#26
Hexane
Concen: 0.241 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL035913.D
Acq: 12 Nov 2020 14:44

Tgt Ion:	57	Resp:	35239
Ion	Ratio	Lower	Upper
57	100		
41	89.9	58.9	88.3#
43	111.5	150.2	225.2#
56	65.8	42.4	63.6#

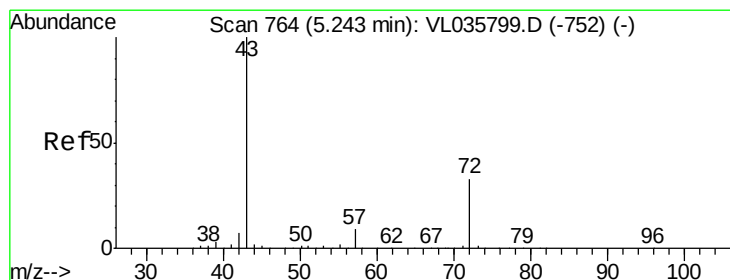
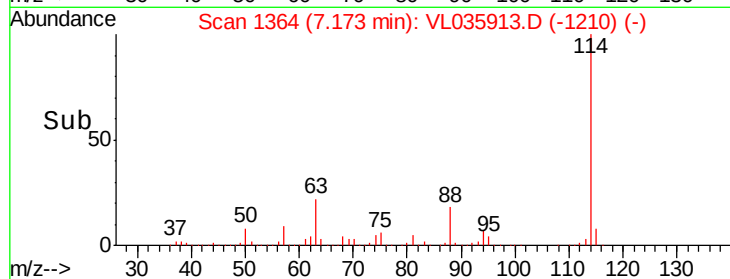
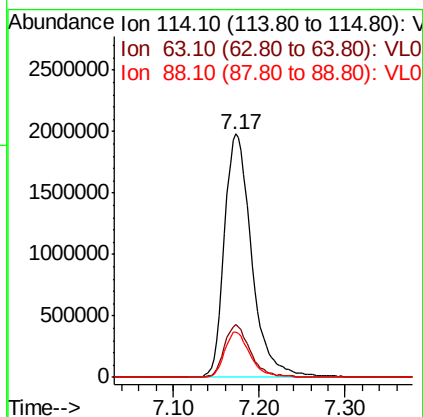
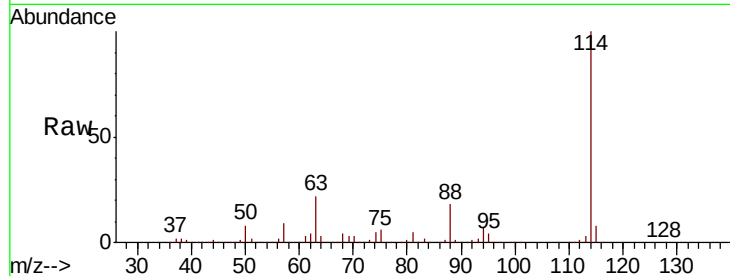




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL035913.D
 Acq: 12 Nov 2020 14:44

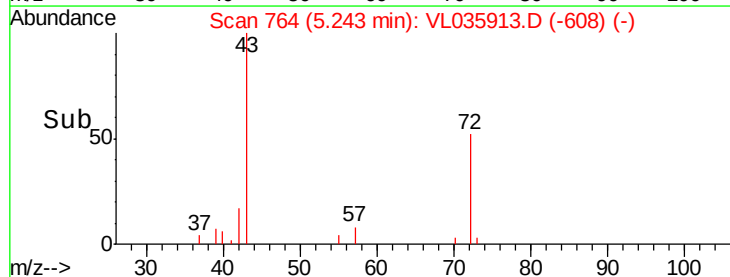
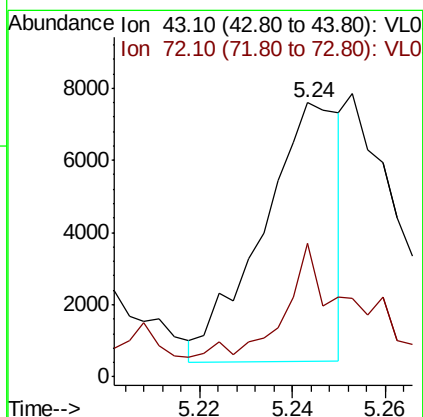
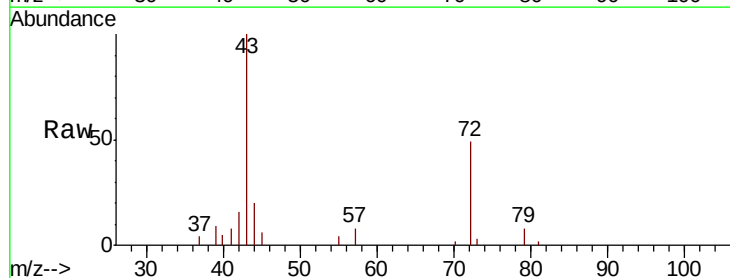
Instrument :
 MSVOA_L
 ClientSampleId :
 CVS-1DL

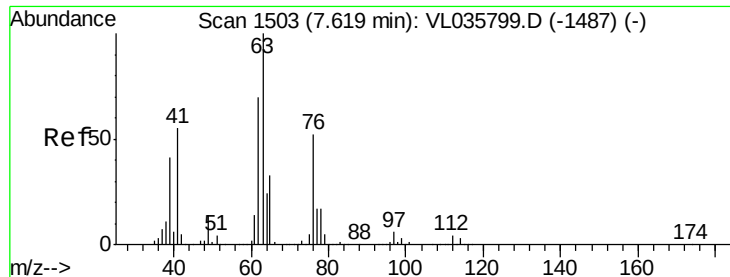
Tot Ion:114 Resp: 4376095
 Ion Ratio Lower Upper
 114 100
 63 20.8 16.1 24.1
 88 17.6 13.7 20.5



#34
 2-Butanone
 Concen: 0.058 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: VL035913.D
 Acq: 12 Nov 2020 14:44

Tgt Ion: 43 Resp: 8273
 Ion Ratio Lower Upper
 43 100
 72 67.5 26.5 39.7#





#39

1,2-Dichloropropane

Concen: 8.239 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.45 min

Lab File: VL035913.D

Acq: 12 Nov 2020 14:44

Instrument :

MSVOA_L

ClientSampled :

CVS-1DL

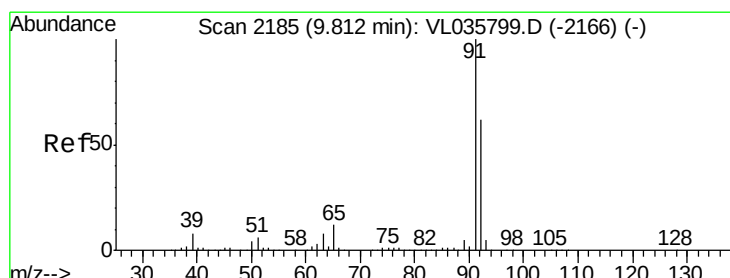
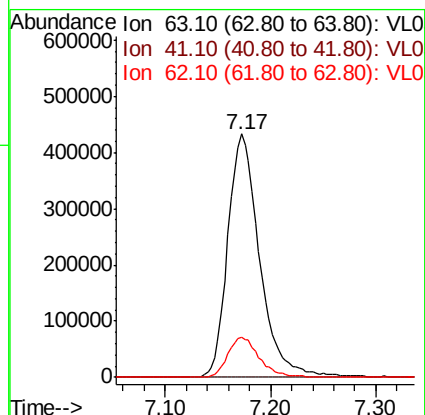
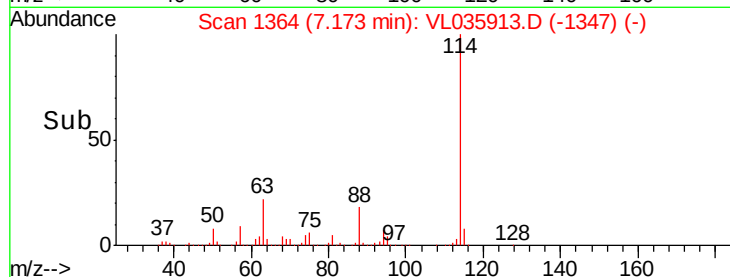
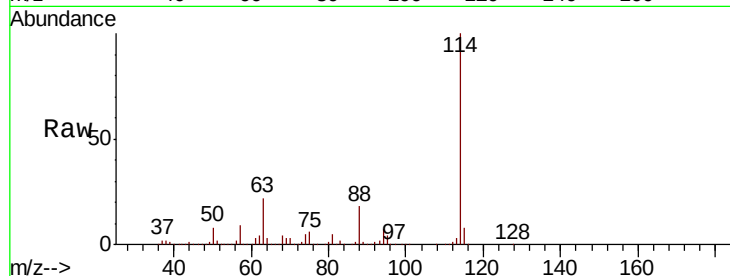
Tot Ion: 63 Resp: 902477

Ion Ratio Lower Upper

63 100

41 0.0 43.8 65.6#

62 16.4 56.2 84.2#



#53

Toluene

Concen: 0.141 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL035913.D

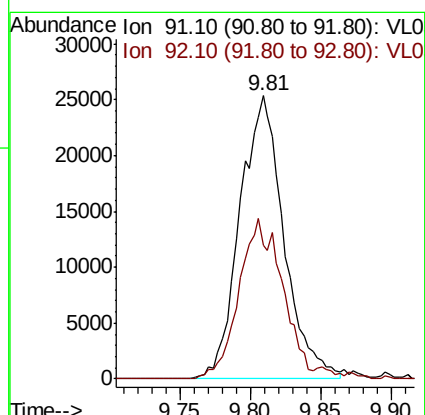
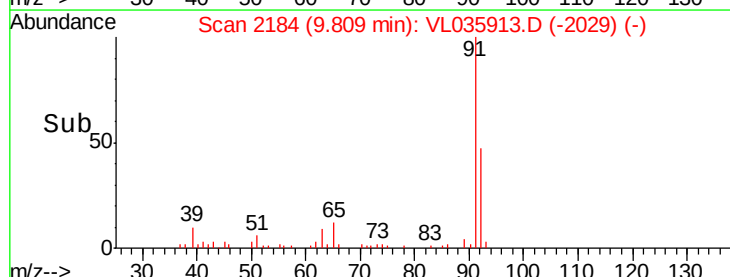
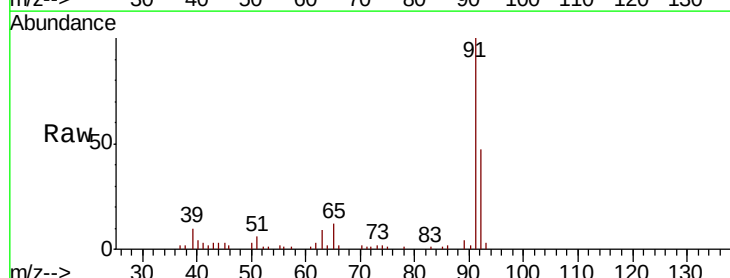
Acq: 12 Nov 2020 14:44

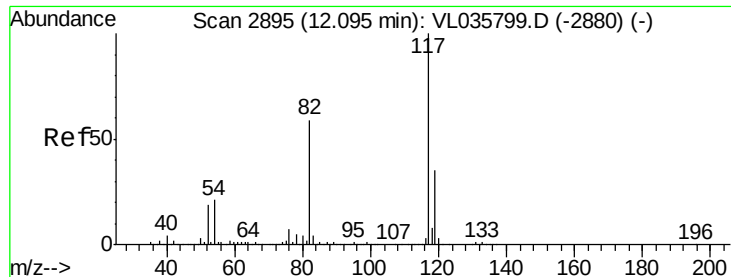
Tgt Ion: 91 Resp: 55274

Ion Ratio Lower Upper

91 100

92 58.2 49.8 74.6

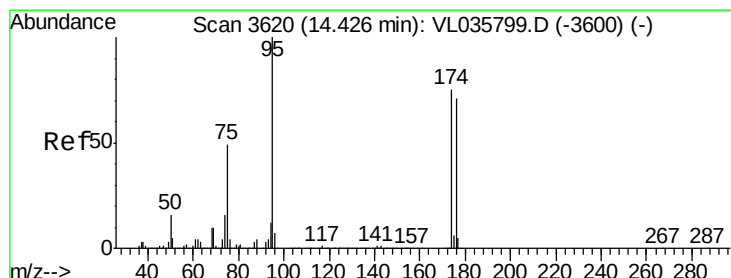
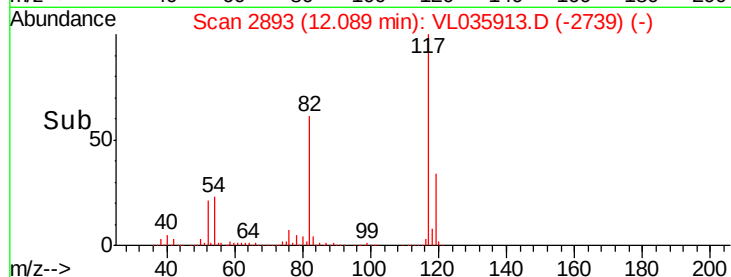
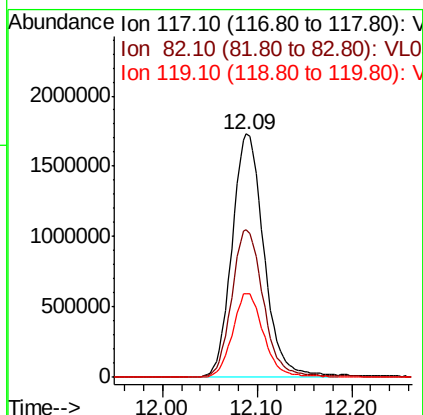
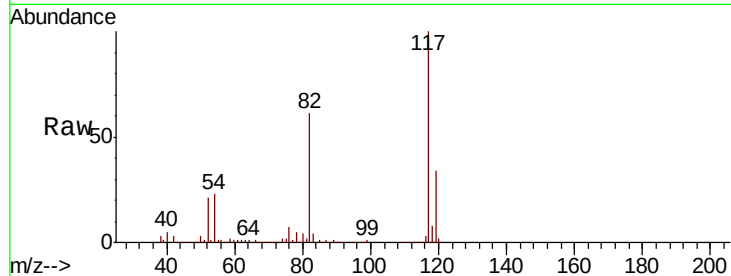




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL035913.D
Acq: 12 Nov 2020 14:44

Instrument :
MSVOA_L
ClientSampleId :
CVS-1DL

Tot Ion:117 Resp: 4066628
Ion Ratio Lower Upper
117 100
82 61.1 50.6 76.0
119 34.2 52.6 78.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.167 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL035913.D
Acq: 12 Nov 2020 14:44

Tgt Ion: 95 Resp: 2937543
Ion Ratio Lower Upper
95 100
174 74.4 59.8 89.6
175 5.3 4.3 6.5

