

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111820\
 Data File : VL035977.D
 Acq On : 18 Nov 2020 17:29
 Operator : SY/AP
 Sample : L4773-01DL2 300X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL2

Quant Time: Nov 19 08:11:39 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.63	49	1110146	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	3902782	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.04	117	3765287	10.00	ppbv	-0.05

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.37	95	2810395	10.51	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.10%

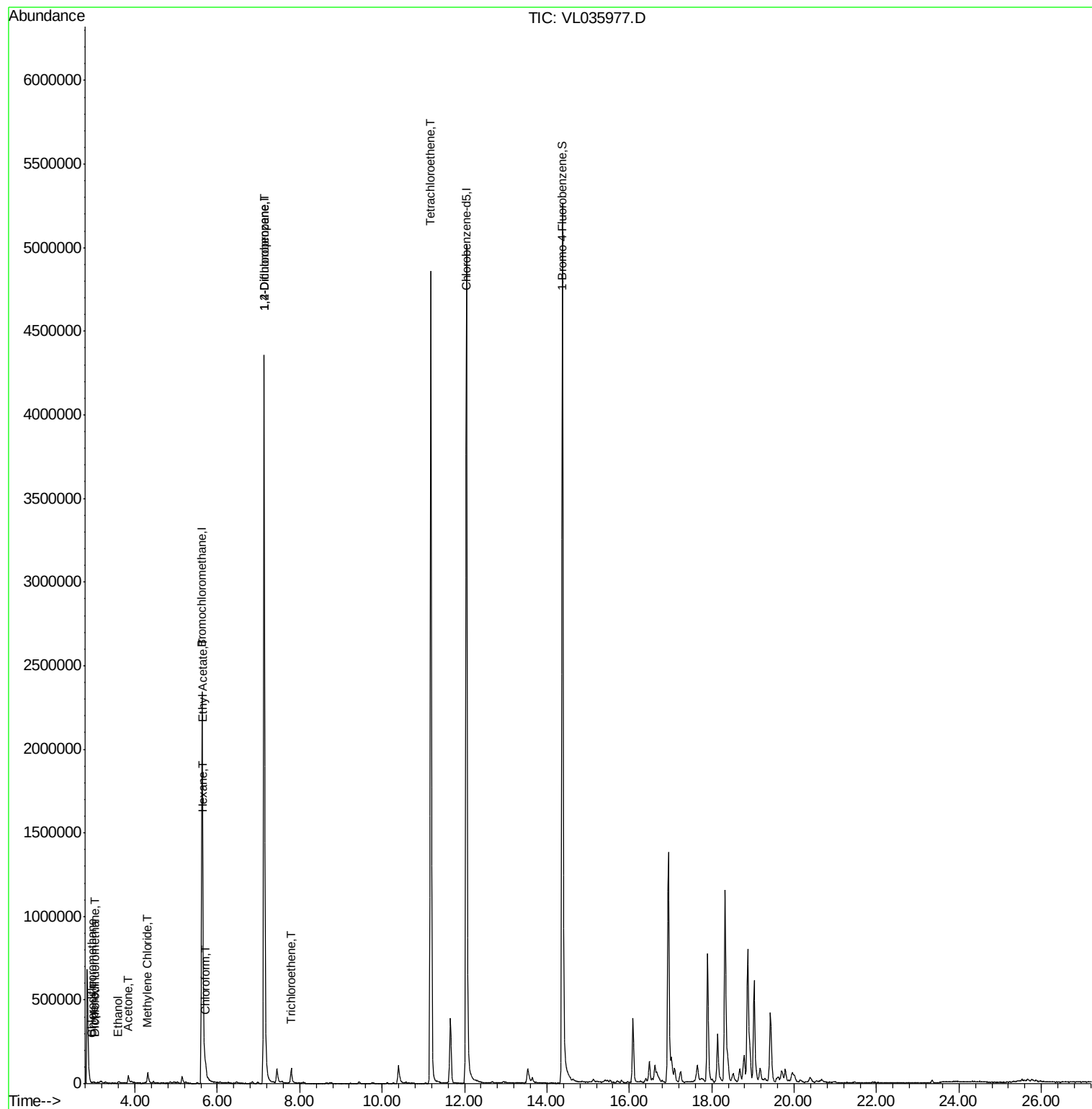
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	7286	0.035	ppbv	95
3) Chlorodifluoromethane	2.96	51	4710	0.035	ppbv	96
9) Propene	2.99	41	2081	0.043	ppbv #	34
13) Ethanol	3.58	45	3287	0.311	ppbv #	35
15) Acetone	3.83	43	53715	0.453	ppbv #	62
20) Methylene Chloride	4.31	84	31715	0.380	ppbv	92
25) Ethyl Acetate	5.65	43	10633	0.045	ppbv #	83
26) Hexane	5.65	57	5249	0.041	ppbv #	36
29) Chloroform	5.71	83	43870	0.173	ppbv #	83
38) Trichloroethene	7.80	130	32225	0.227	ppbv	89
39) 1,2-Dichloropropane	7.13	63	794658	8.135	ppbv #	31
52) Tetrachloroethene	11.19	164	1329116	9.669	ppbv	99

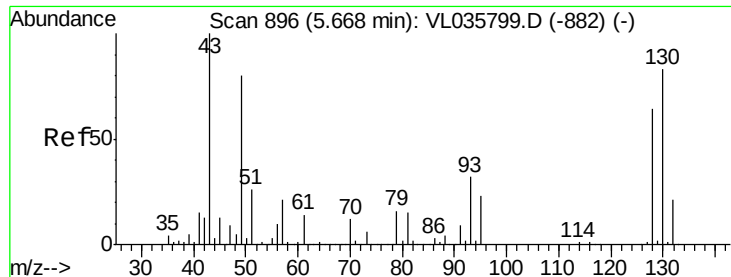
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SV1DL2

Quant Time: Nov 19 08:11:39 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: 5.63 min Scan# 884

Delta R.T. -0.04 min

Lab File: VL035977.D

Acq: 18 Nov 2020 17:29

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

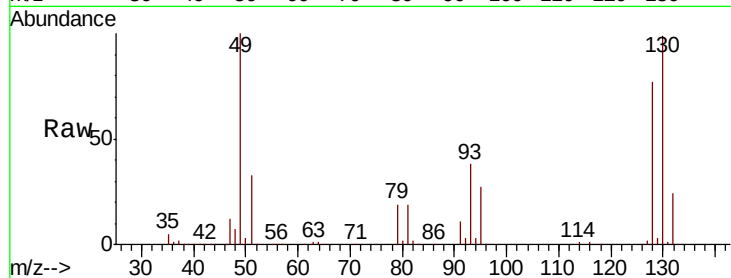
Tot Ion: 49 Resp: 1110146

Ion Ratio Lower Upper

49 100

128 76.5 41.5 124.6

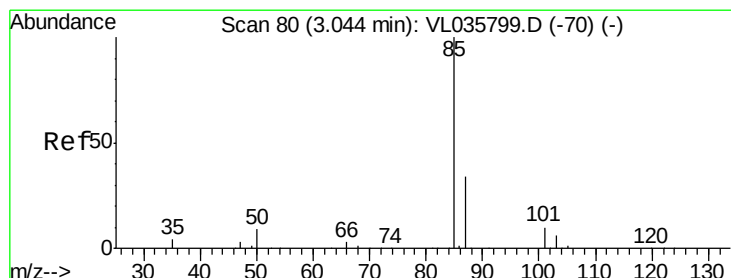
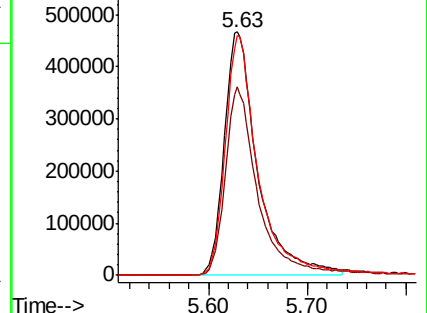
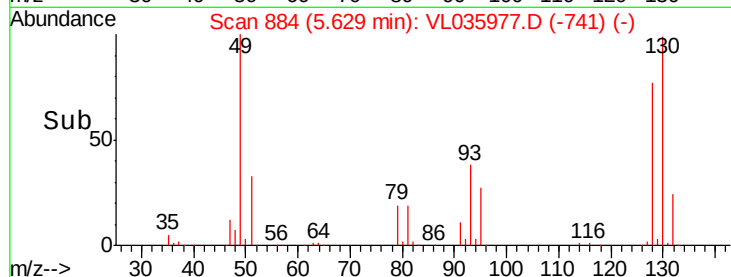
130 98.9 53.7 161.1



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



#2

Dichlorodifluoromethane

Concen: 0.035 ppbv

RT: 3.02 min Scan# 73

Delta R.T. -0.02 min

Lab File: VL035977.D

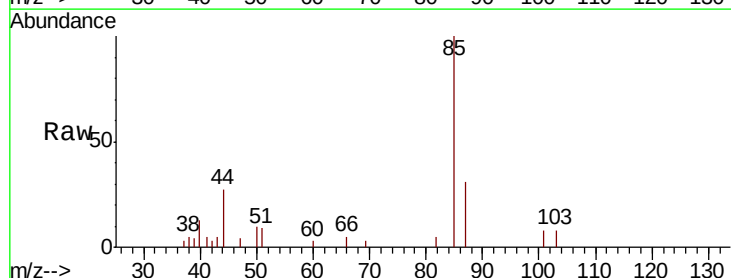
Acq: 18 Nov 2020 17:29

Tgt Ion: 85 Resp: 7286

Ion Ratio Lower Upper

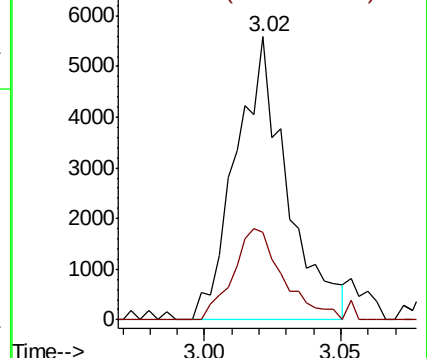
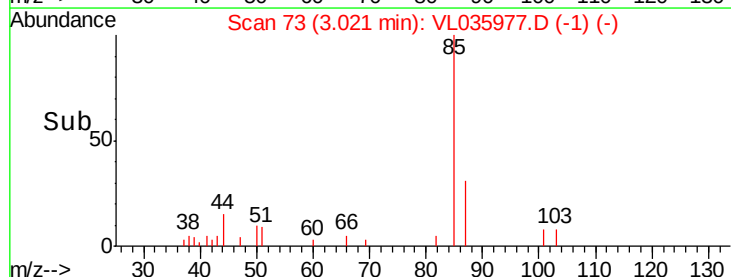
85 100

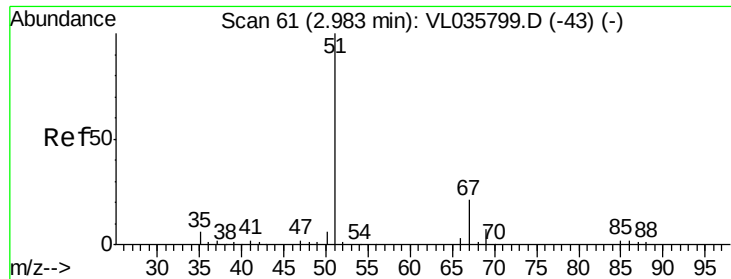
87 30.8 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.035 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.03 min

Lab File: VL035977.D

Acq: 18 Nov 2020 17:29

Instrument :

MSVOA_L

ClientSampleId :

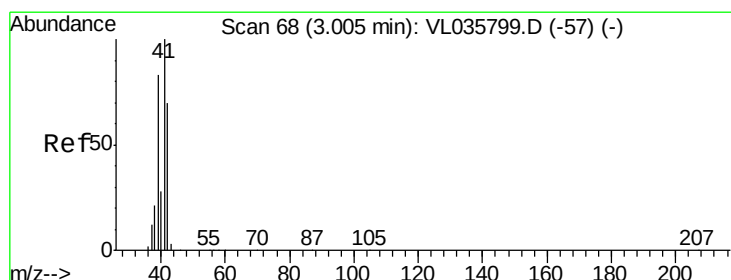
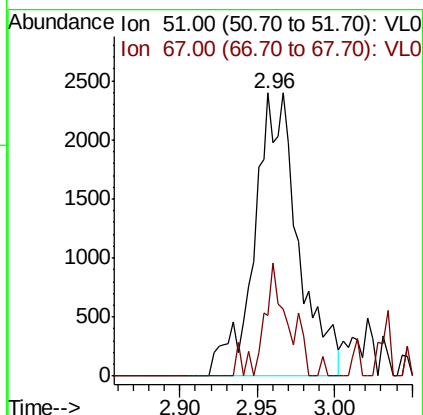
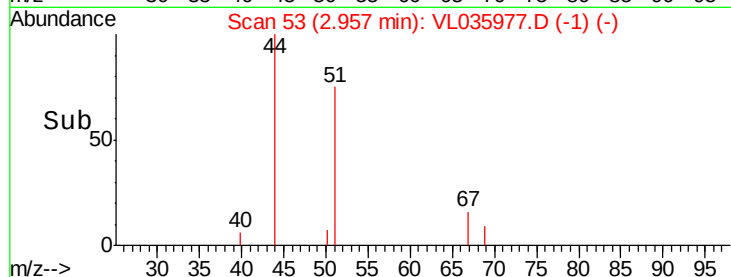
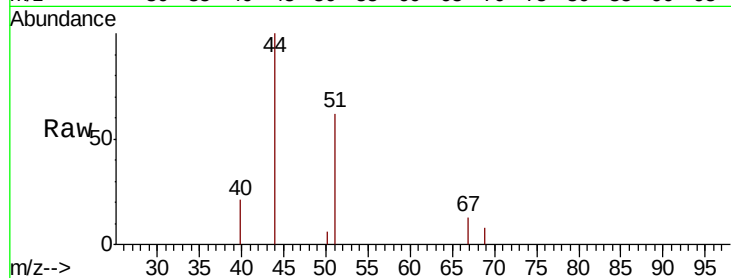
SV1DL2

Tot Ion: 51 Resp: 4710

Ion Ratio Lower Upper

51 100

67 23.0 17.0 25.4



#9

Propene

Concen: 0.043 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.02 min

Lab File: VL035977.D

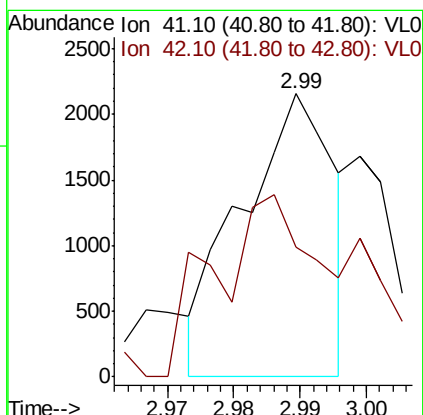
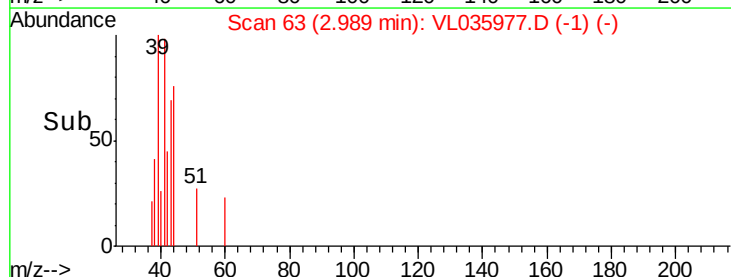
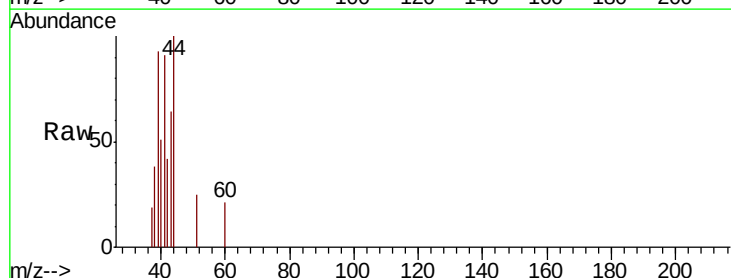
Acq: 18 Nov 2020 17:29

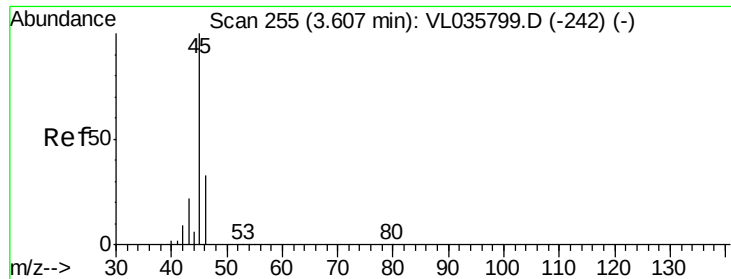
Tgt Ion: 41 Resp: 2081

Ion Ratio Lower Upper

41 100

42 124.9 56.2 84.4#





#13

Ethanol

Concen: 0.311 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.02 min

Lab File: VL035977.D

Acq: 18 Nov 2020 17:29

Instrument :

MSVOA_L

ClientSampled :

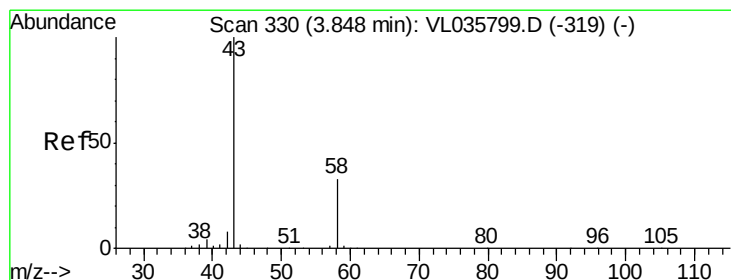
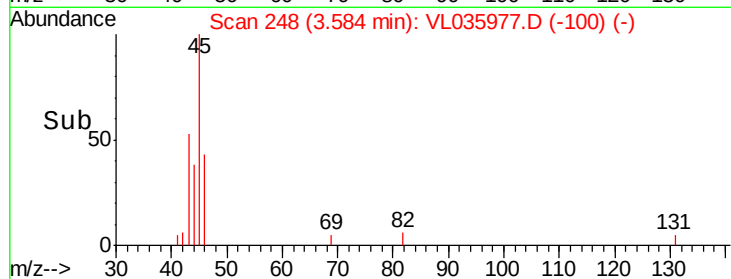
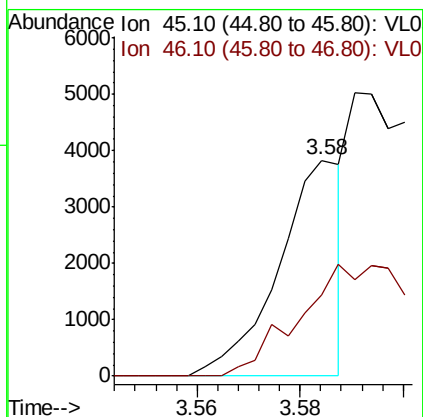
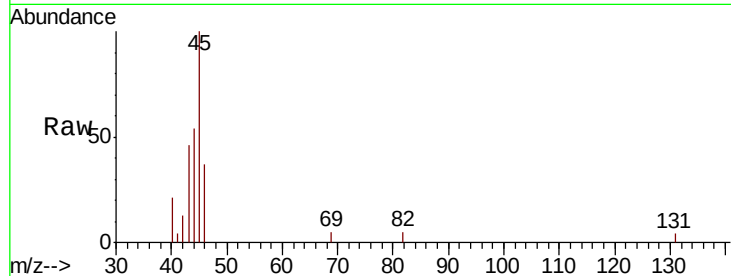
SV1DL2

Tot Ion: 45 Resp: 3287

Ion Ratio Lower Upper

45 100

46 0.0 16.1 64.5#



#15

Acetone

Concen: 0.453 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.01 min

Lab File: VL035977.D

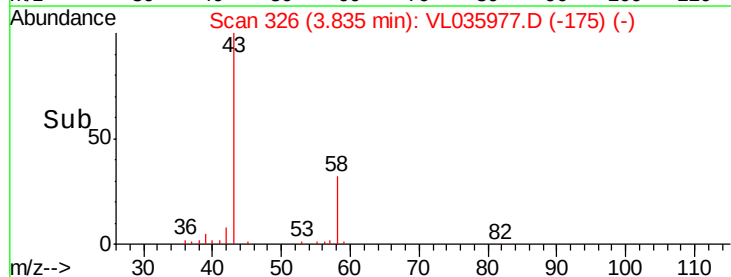
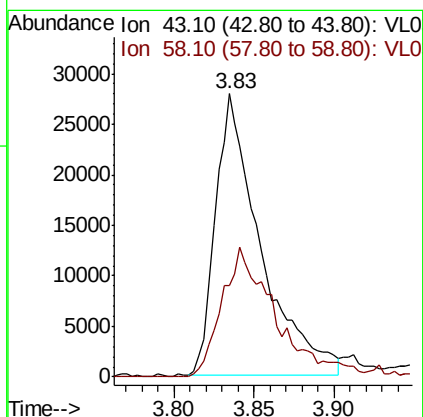
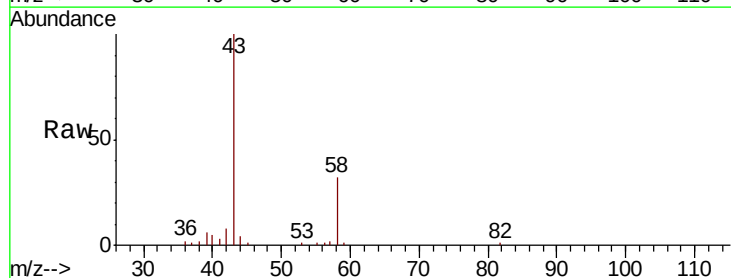
Acq: 18 Nov 2020 17:29

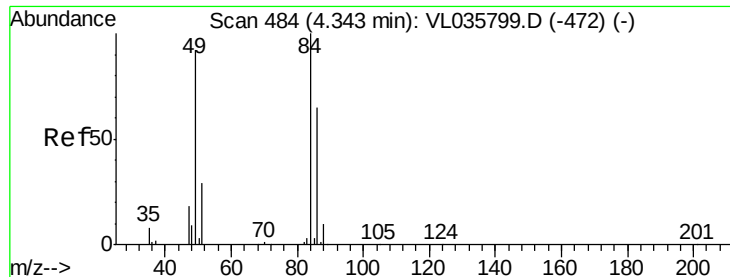
Tgt Ion: 43 Resp: 53715

Ion Ratio Lower Upper

43 100

58 56.0 27.5 41.3#

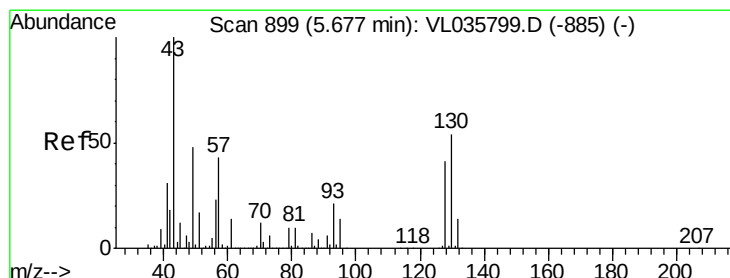
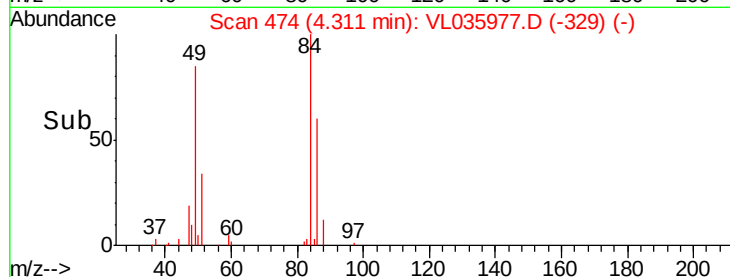
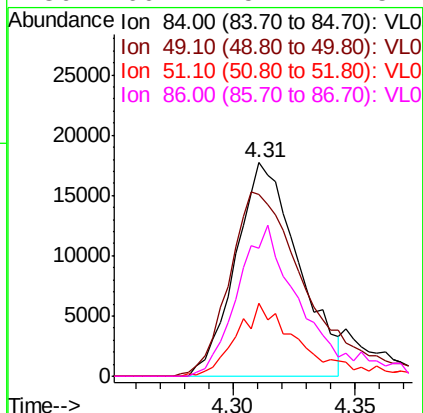
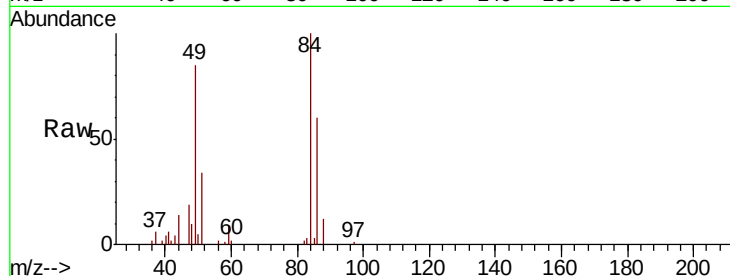




#20
Methylene Chloride
Concen: 0.380 ppbv
RT: 4.31 min Scan# 474
Delta R.T. -0.03 min
Lab File: VL035977.D
Acq: 18 Nov 2020 17:29

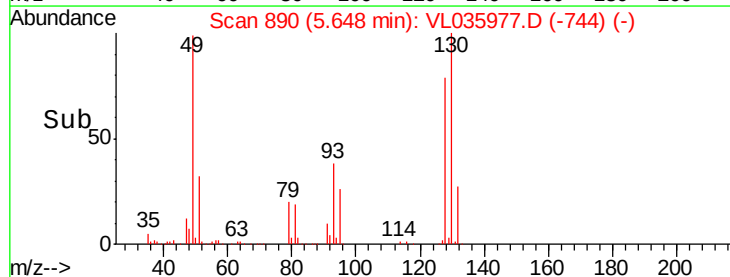
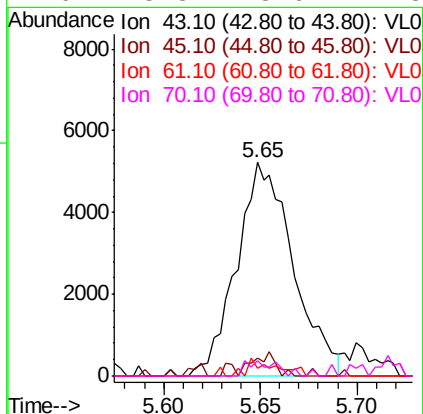
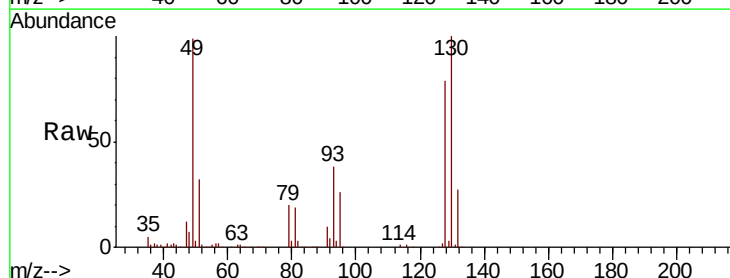
Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

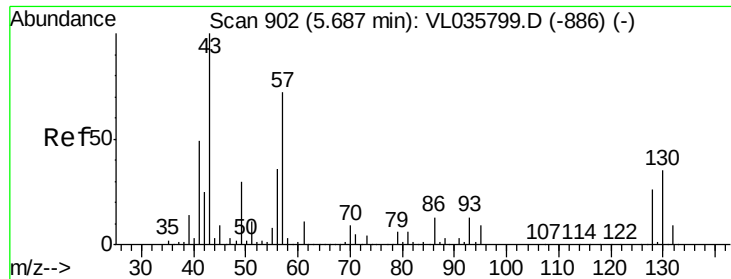
Tot Ion:	84	Resp:	31715
Ion	Ratio	Lower	Upper
84	100		
49	83.1	73.8	110.8
51	33.1	23.0	34.4
86	60.1	52.1	78.1



#25
Ethyl Acetate
Concen: 0.045 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.03 min
Lab File: VL035977.D
Acq: 18 Nov 2020 17:29

Tgt Ion:	43	Resp:	10633
Ion	Ratio	Lower	Upper
43	100		
45	7.4	8.5	12.7#
61	4.4	10.7	16.1#
70	3.8	8.6	12.8#

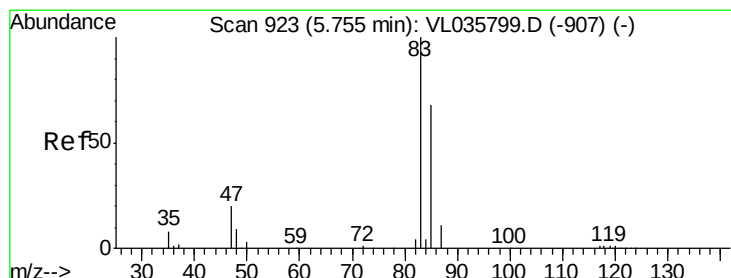
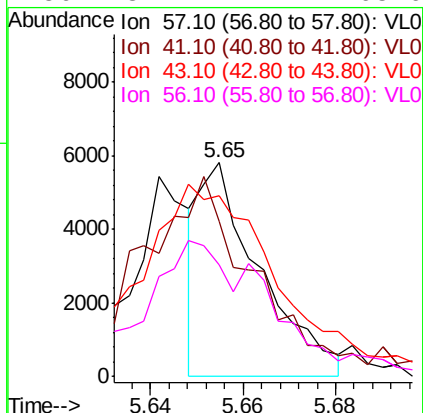
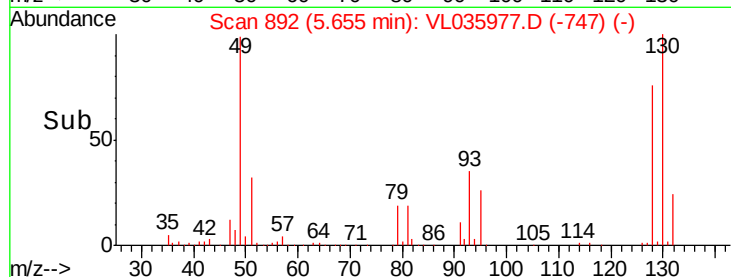
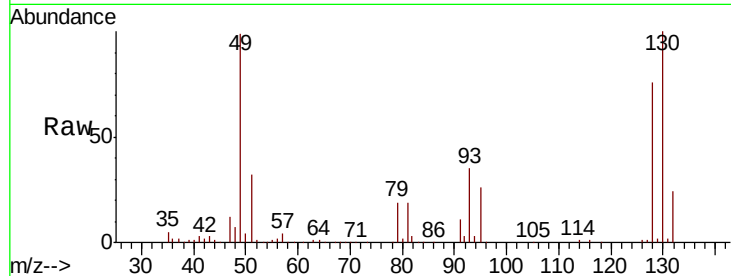




#26
Hexane
Concen: 0.041 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.03 min
Lab File: VL035977.D
Acq: 18 Nov 2020 17:29

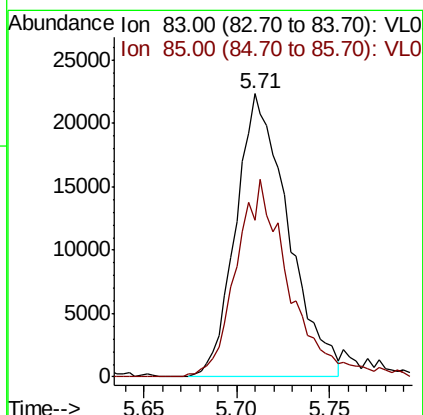
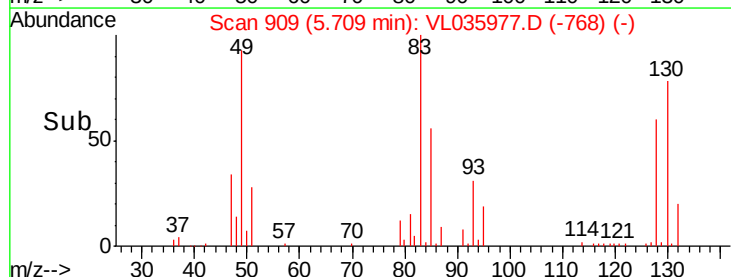
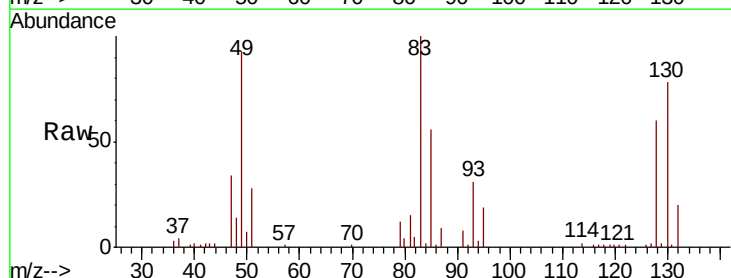
Instrument :
MSVOA_L
ClientSampleId :
SV1DL2

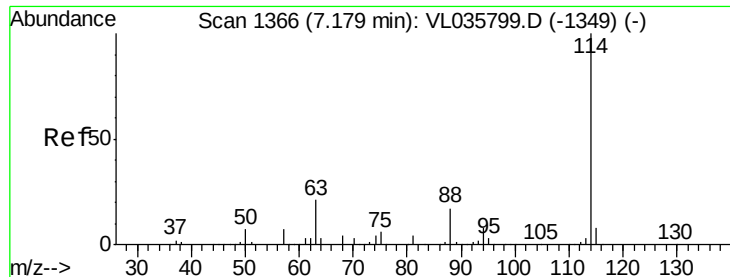
Tot Ion: 57 Resp: 5249
Ion Ratio Lower Upper
57 100
41 191.2 58.9 88.3#
43 218.2 150.2 225.2
56 132.7 42.4 63.6#



#29
Chloroform
Concen: 0.173 ppbv
RT: 5.71 min Scan# 909
Delta R.T. -0.05 min
Lab File: VL035977.D
Acq: 18 Nov 2020 17:29

Tgt Ion: 83 Resp: 43870
Ion Ratio Lower Upper
83 100
85 54.3 54.6 81.8#

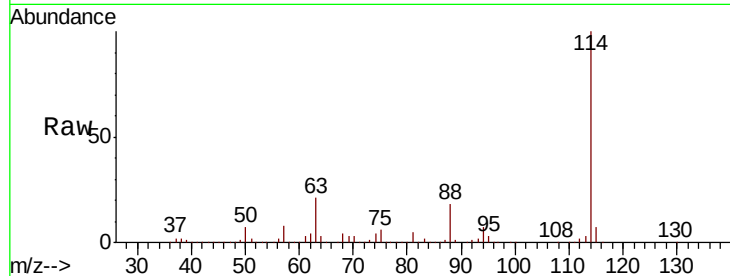




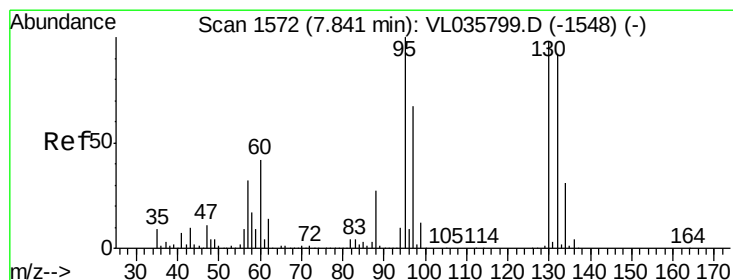
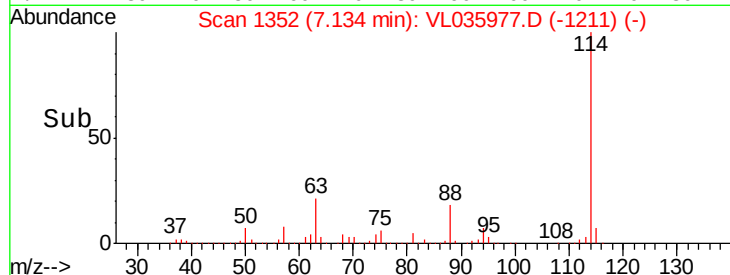
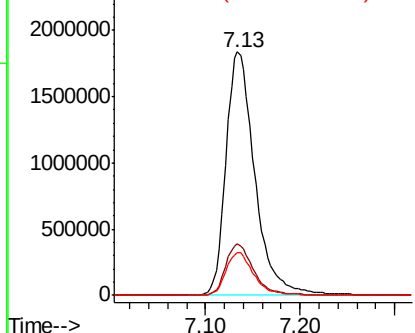
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.13 min Scan# 1352
 Delta R.T. -0.05 min
 Lab File: VL035977.D
 Acq: 18 Nov 2020 17:29

Instrument :
 MSVOA_L
 ClientSampleID :
 SV1DL2

Tot Ion:114 Resp: 3902782
 Ion Ratio Lower Upper
 114 100
 63 20.8 16.1 24.1
 88 17.2 13.7 20.5

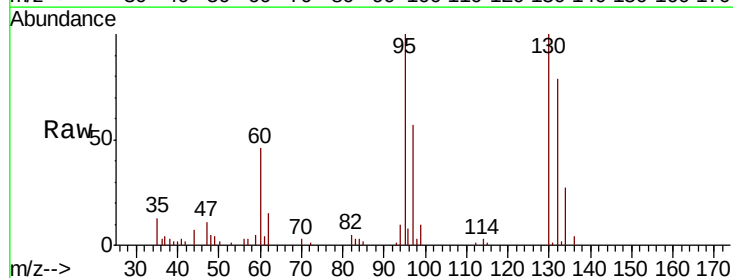


Abundance Ion 114.10 (113.80 to 114.80): V
 2500000 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

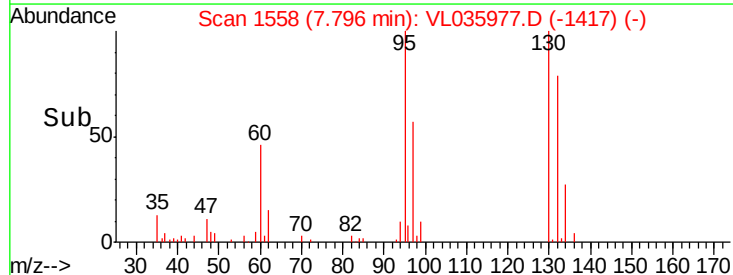
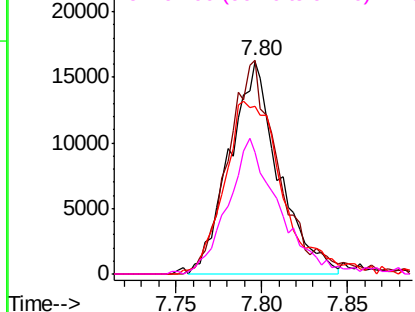


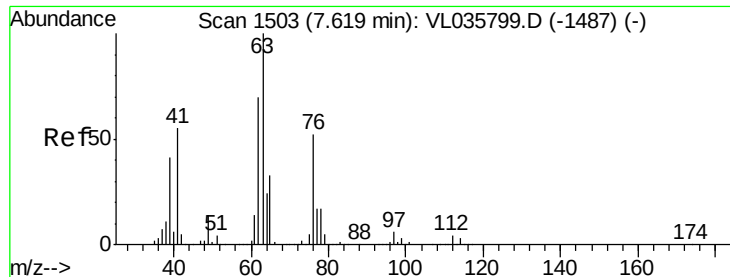
#38
 Trichloroethene
 Concen: 0.227 ppbv
 RT: 7.80 min Scan# 1558
 Delta R.T. -0.05 min
 Lab File: VL035977.D
 Acq: 18 Nov 2020 17:29

Tgt Ion:130 Resp: 32225
 Ion Ratio Lower Upper
 130 100
 95 98.3 81.6 122.4
 132 77.3 75.1 112.7
 97 55.7 54.6 81.8



Abundance Ion 130.00 (129.70 to 130.70): V
 25000 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 8.135 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. -0.49 min

Lab File: VL035977.D

Acq: 18 Nov 2020 17:29

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

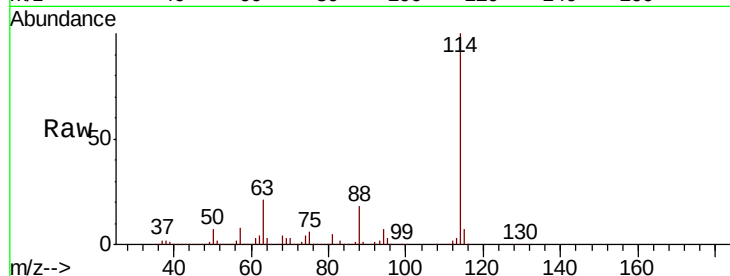
Tot Ion: 63 Resp: 794658

Ion Ratio Lower Upper

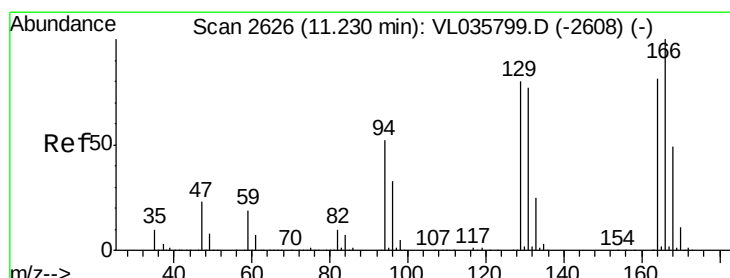
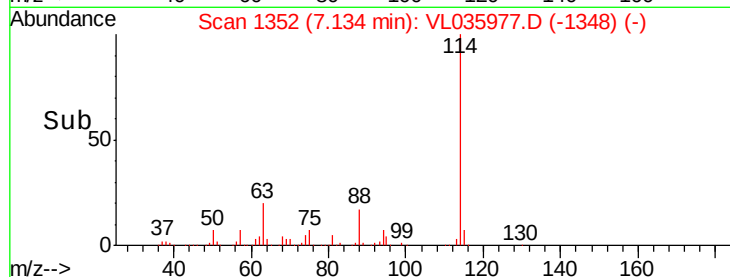
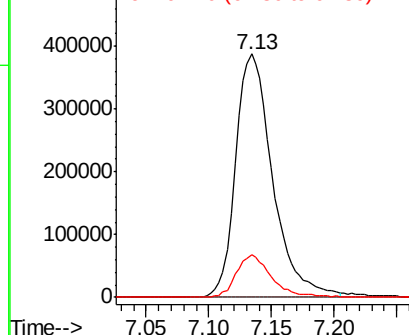
63 100

41 0.0 43.8 65.6#

62 17.3 56.2 84.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#52

Tetrachloroethene

Concen: 9.669 ppbv

RT: 11.19 min Scan# 2612

Delta R.T. -0.05 min

Lab File: VL035977.D

Acq: 18 Nov 2020 17:29

Tgt Ion:164 Resp: 1329116

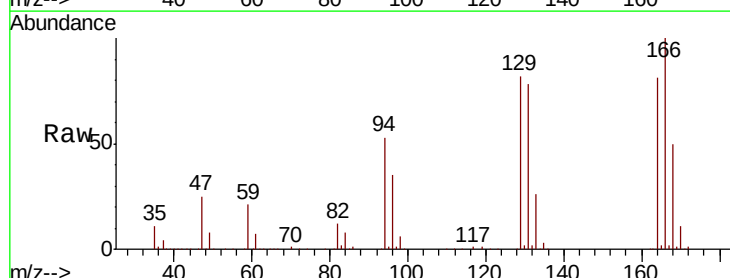
Ion Ratio Lower Upper

164 100

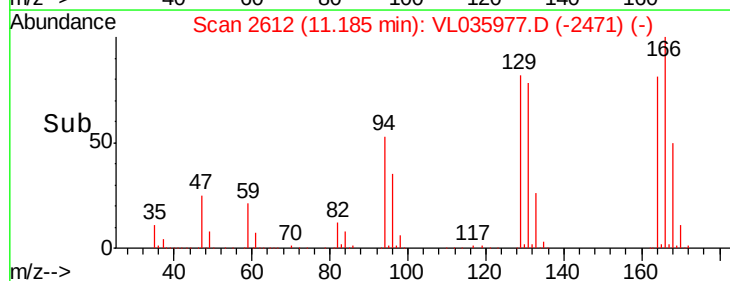
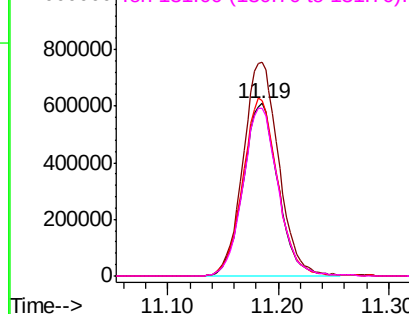
166 123.9 99.3 148.9

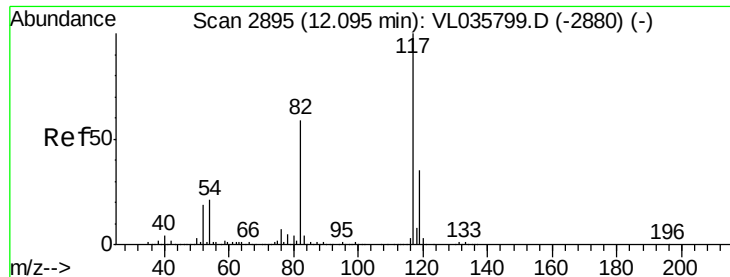
129 101.6 79.3 118.9

131 97.1 76.5 114.7



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.04 min Scan# 2879

Delta R.T. -0.05 min

Lab File: VL035977.D

Acq: 18 Nov 2020 17:29

Instrument :

MSVOA_L

ClientSampleId :

SV1DL2

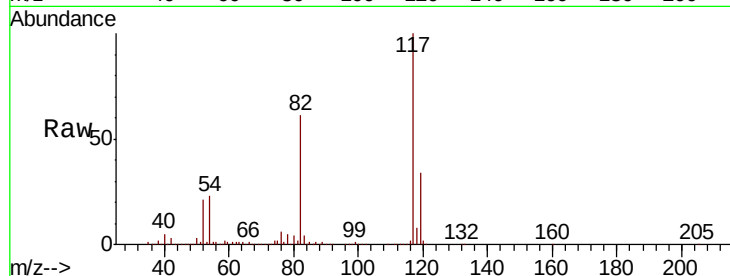
Tot Ion:117 Resp: 3765287

Ion Ratio Lower Upper

117 100

82 61.4 50.6 76.0

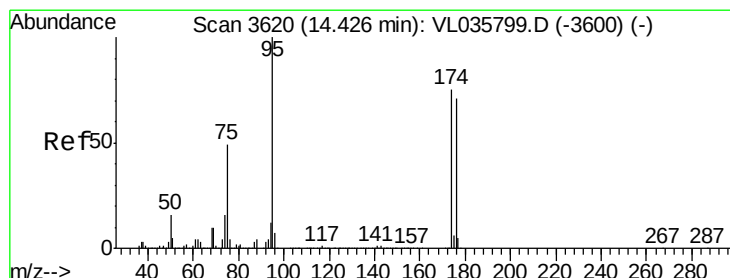
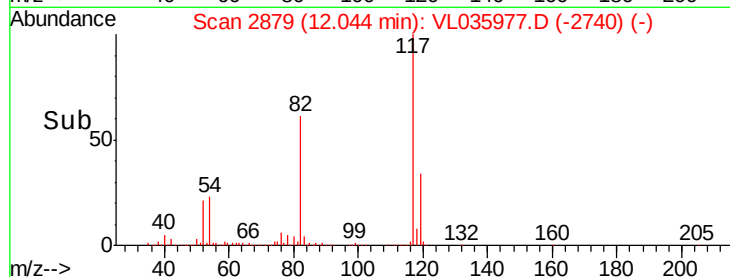
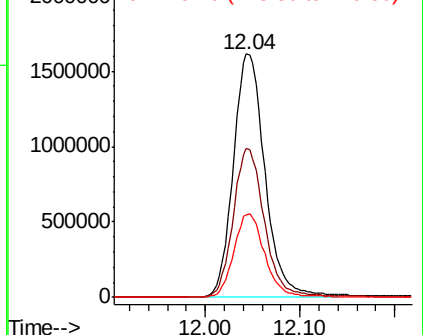
119 34.0 52.6 78.8#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.506 ppbv

RT: 14.37 min Scan# 3604

Delta R.T. -0.05 min

Lab File: VL035977.D

Acq: 18 Nov 2020 17:29

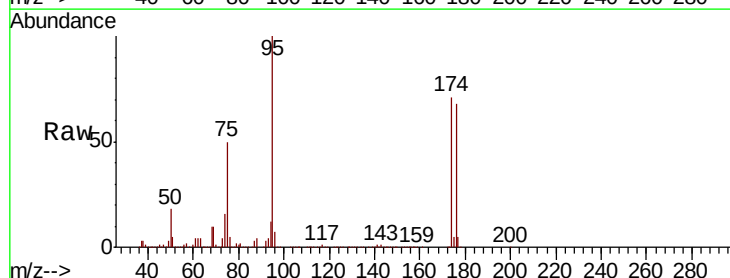
Tgt Ion: 95 Resp: 2810395

Ion Ratio Lower Upper

95 100

174 71.2 59.8 89.6

175 5.0 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

