

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111020\
 Data File : VL035895.D
 Acq On : 10 Nov 2020 19:08
 Operator : SY/AP
 Sample : L4618-02DL2 100X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL2

Quant Time: Nov 11 01:24:00 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	5.65	49	1119496	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	4085817	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	3870226	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2816300	10.24	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

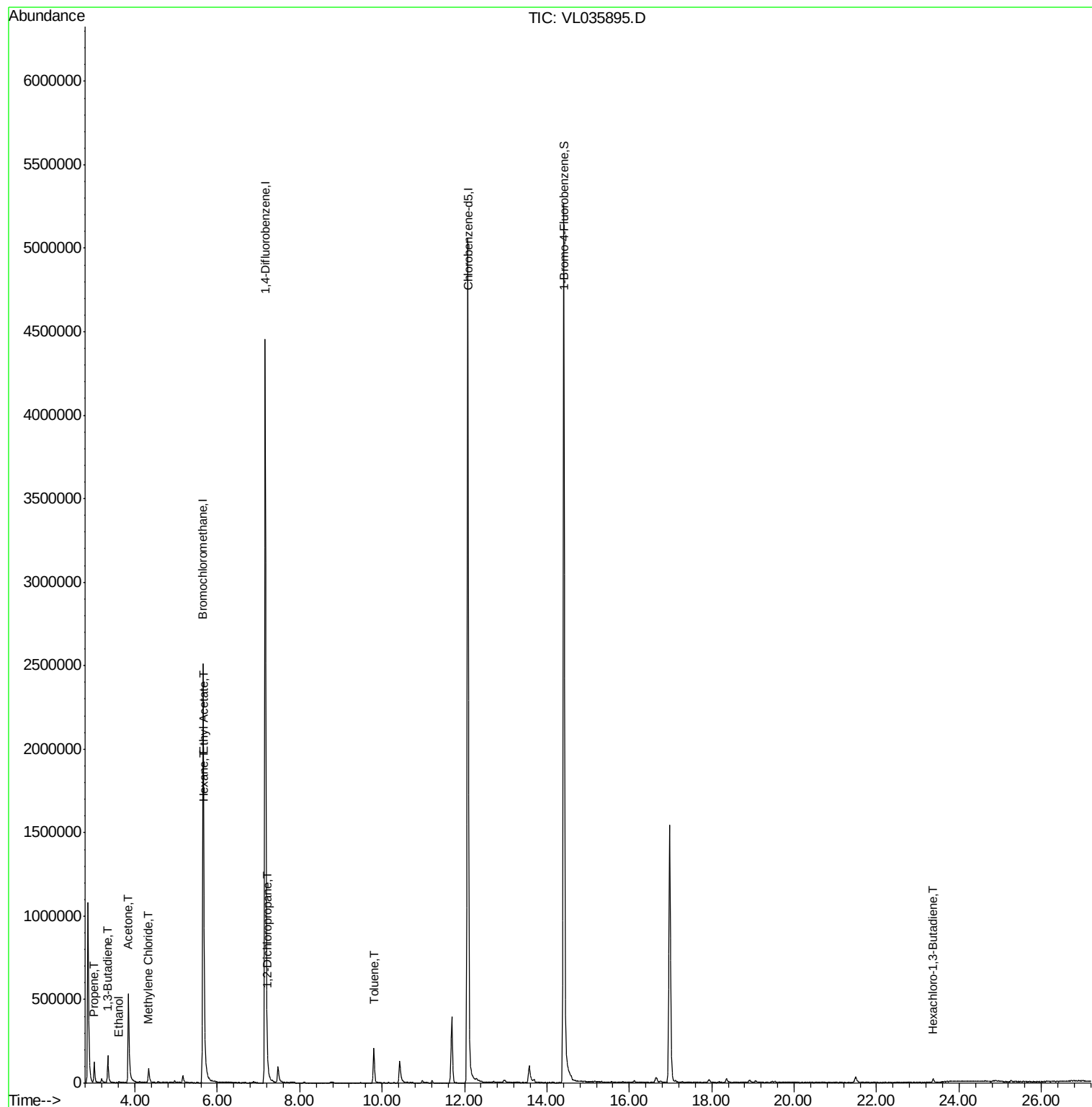
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	37257	0.759	ppbv #	75
13) Ethanol	3.60	45	1806	0.170	ppbv #	35
15) Acetone	3.84	43	729653	6.096	ppbv	99
16) 1,3-Butadiene	3.34	39	21273	0.413	ppbv #	1
20) Methylene Chloride	4.33	84	45350	0.538	ppbv	98
25) Ethyl Acetate	5.68	43	9032	0.038	ppbv #	83
26) Hexane	5.68	57	5215	0.040	ppbv #	57
39) 1,2-Dichloropropane	7.22	63	10659	0.104	ppbv #	31
53) Toluene	9.80	91	193388	0.528	ppbv	95
78) Hexachloro-1,3-Butadiene	23.38	225	4306	0.032	ppbv #	73

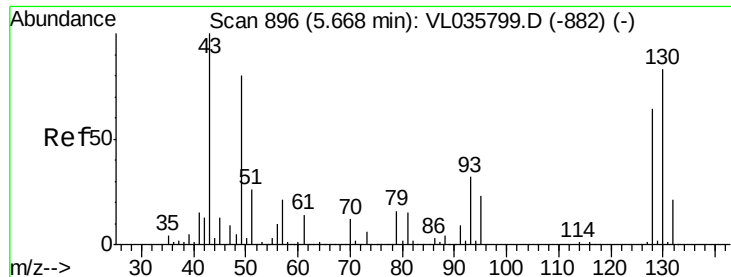
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111020\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
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QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL035895.D

Acq: 10 Nov 2020 19:08

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL2

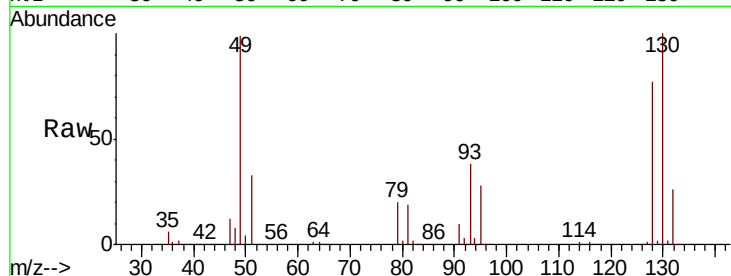
Tot Ion: 49 Resp: 1119496

Ion Ratio Lower Upper

49 100

128 79.6 41.5 124.6

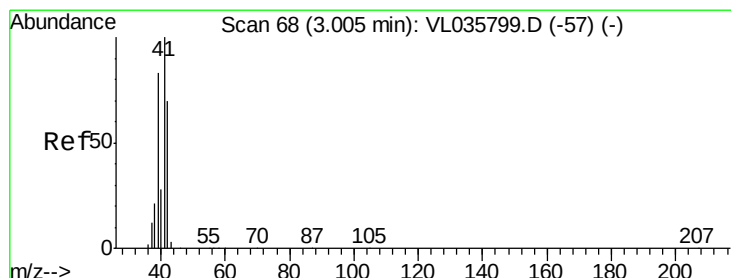
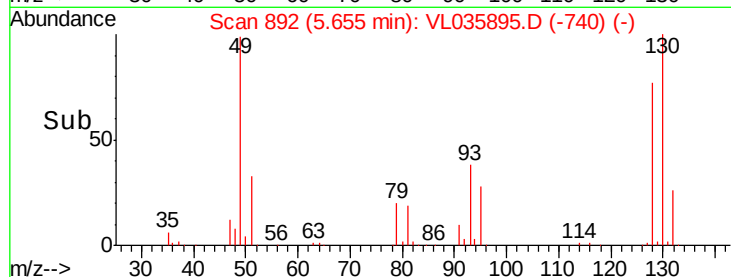
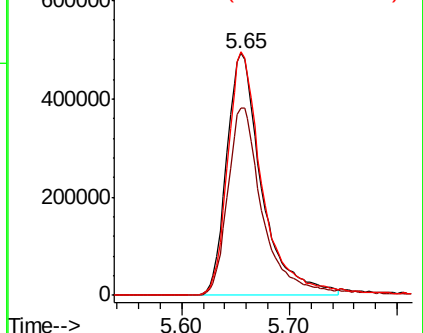
130 101.6 53.7 161.1



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



#9

Propene

Concen: 0.759 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL035895.D

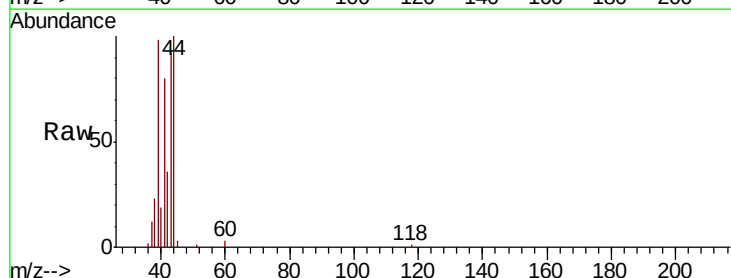
Acq: 10 Nov 2020 19:08

Tgt Ion: 41 Resp: 37257

Ion Ratio Lower Upper

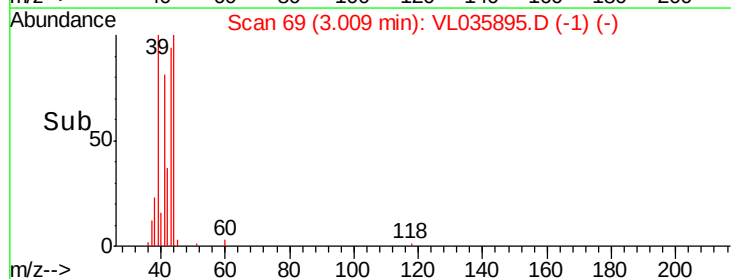
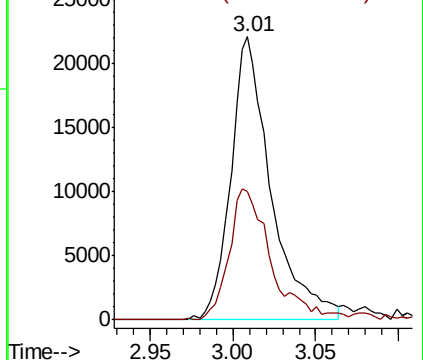
41 100

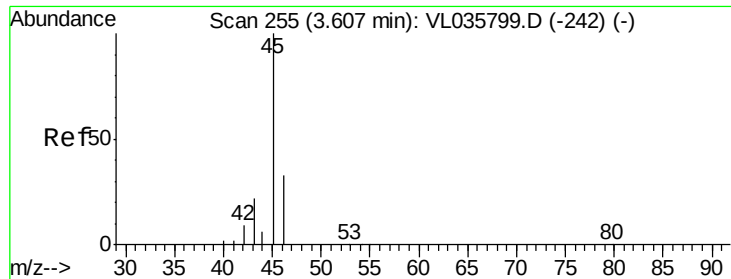
42 49.7 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.170 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL035895.D

Acq: 10 Nov 2020 19:08

Instrument :

MSVOA_L

ClientSampleId :

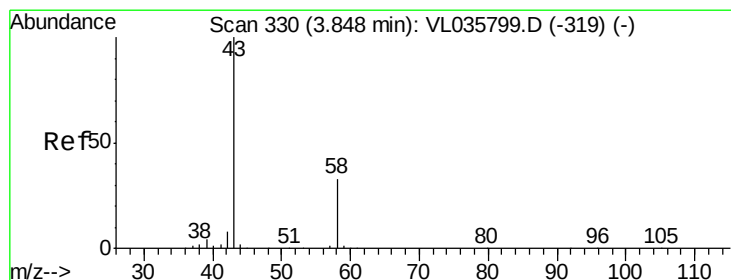
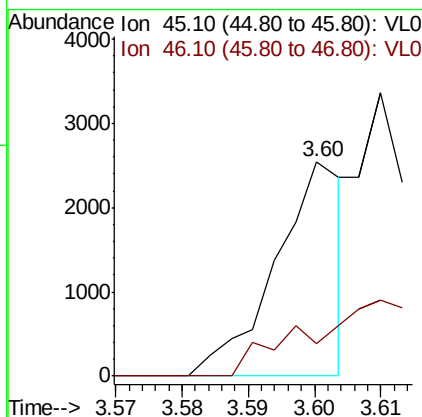
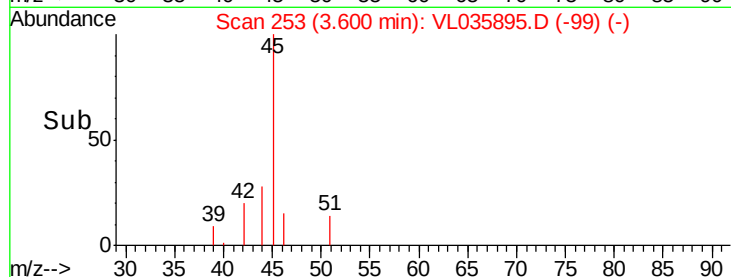
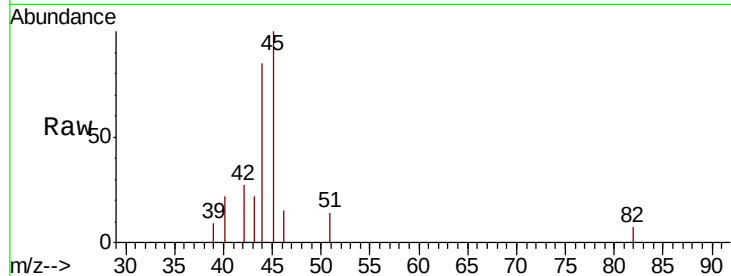
IA-1DL2

Tot Ion: 45 Resp: 1806

Ion Ratio Lower Upper

45 100

46 0.0 16.1 64.5#



#15

Acetone

Concen: 6.096 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL035895.D

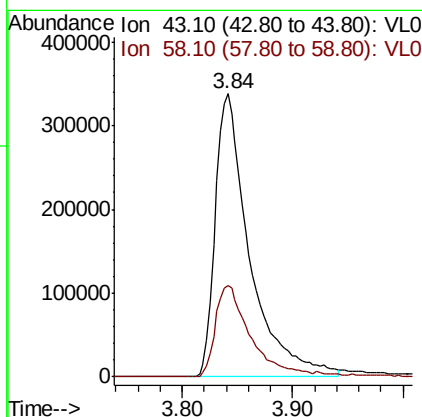
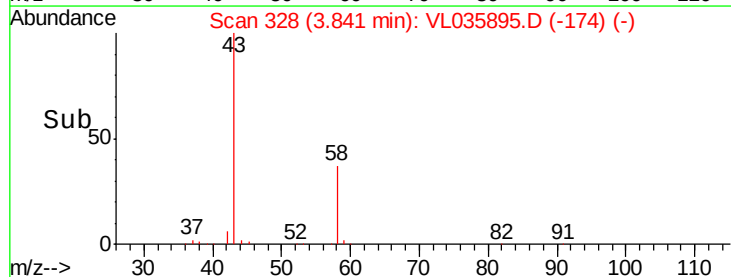
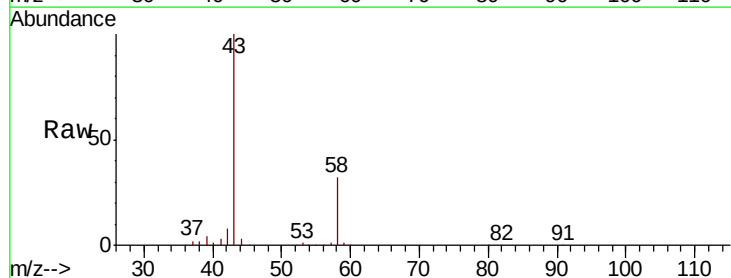
Acq: 10 Nov 2020 19:08

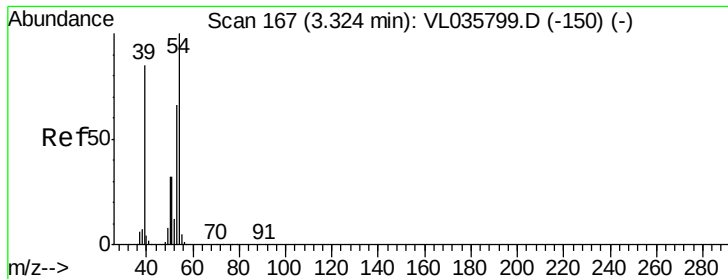
Tgt Ion: 43 Resp: 729653

Ion Ratio Lower Upper

43 100

58 34.7 27.5 41.3

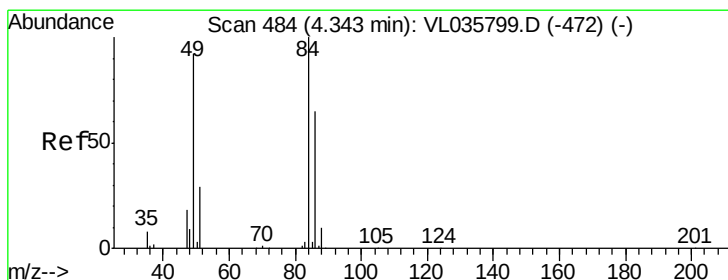
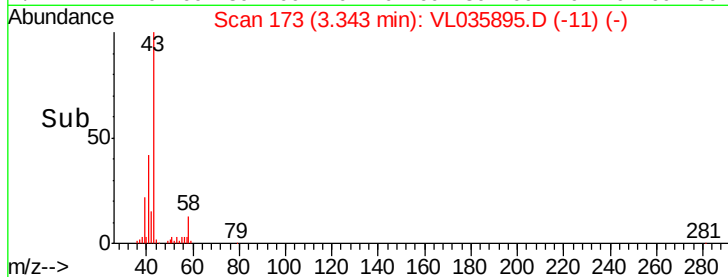
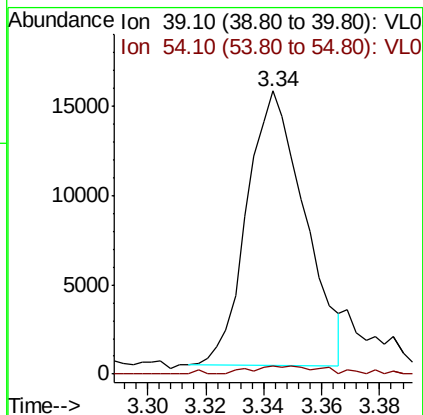
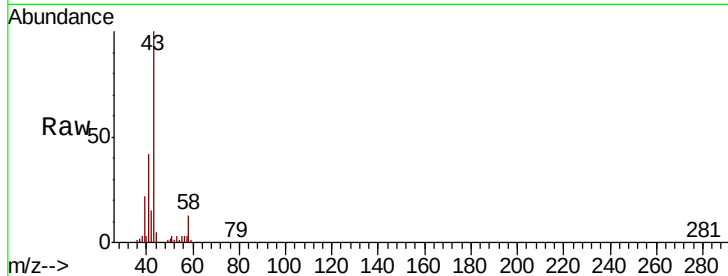




#16
 1,3-Butadiene
 Concen: 0.413 ppbv
 RT: 3.34 min Scan# 173
 Delta R.T. 0.02 min
 Lab File: VL035895.D
 Acq: 10 Nov 2020 19:08

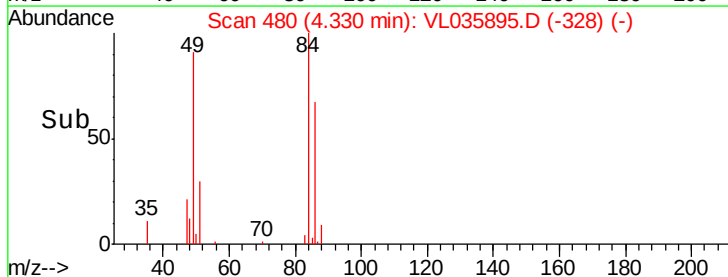
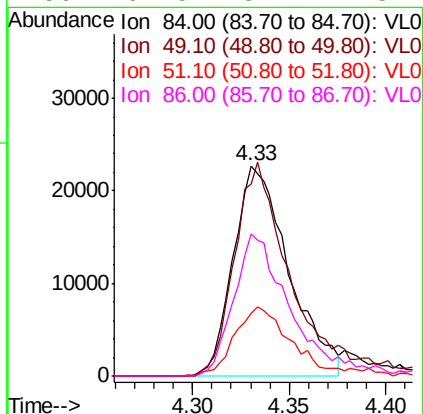
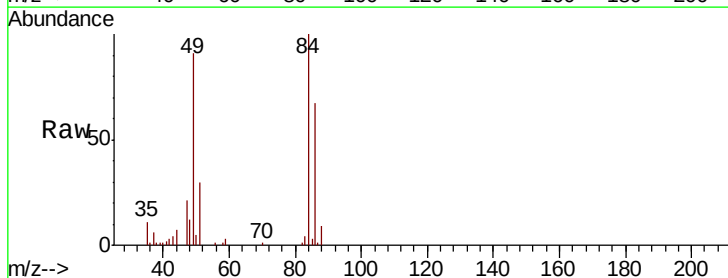
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL2

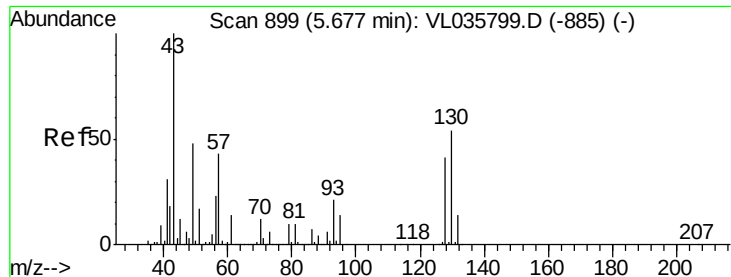
Tot Ion: 39 Resp: 21273
 Ion Ratio Lower Upper
 39 100
 54 4.1 87.1 130.7#



#20
 Methylene Chloride
 Concen: 0.538 ppbv
 RT: 4.33 min Scan# 480
 Delta R.T. -0.01 min
 Lab File: VL035895.D
 Acq: 10 Nov 2020 19:08

Tgt Ion: 84 Resp: 45350
 Ion Ratio Lower Upper
 84 100
 49 91.2 73.8 110.8
 51 29.3 23.0 34.4
 86 67.5 52.1 78.1





#25

Ethyl Acetate

Concen: 0.038 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

Lab File: VL035895.D

Acq: 10 Nov 2020 19:08

Instrument :

MSVOA_L

ClientSampled :

IA-1DL2

Tot Ion: 43 Resp: 9032

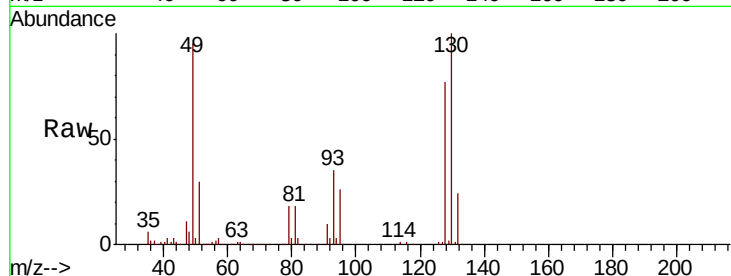
Ion Ratio Lower Upper

43 100

45 7.9 8.5 12.7#

61 4.6 10.7 16.1#

70 2.5 8.6 12.8#

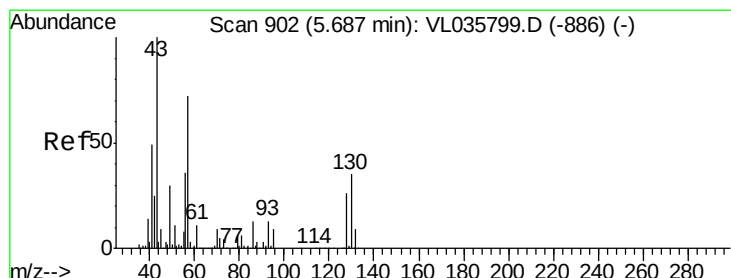
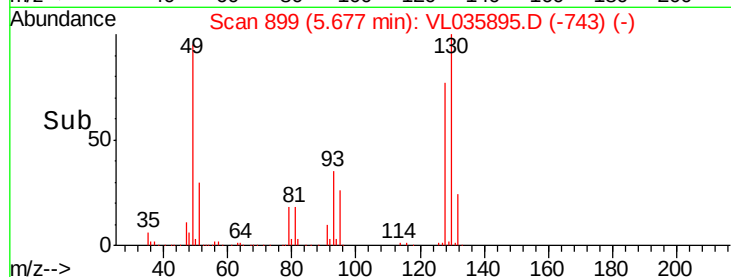
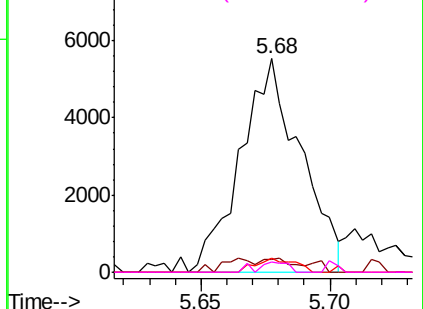


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.040 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.01 min

Lab File: VL035895.D

Acq: 10 Nov 2020 19:08

Tgt Ion: 57 Resp: 5215

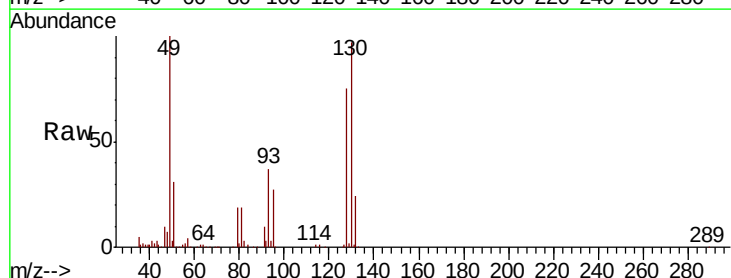
Ion Ratio Lower Upper

57 100

41 0.0 58.9 88.3#

43 211.8 150.2 225.2

56 0.0 42.4 63.6#

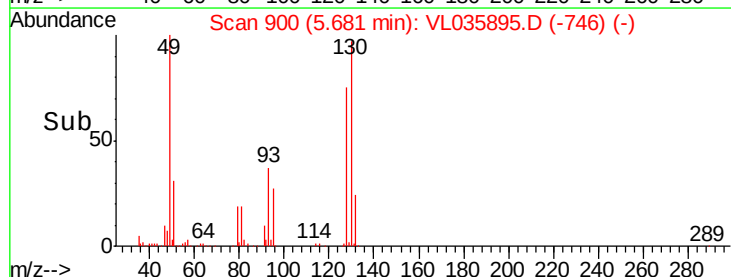
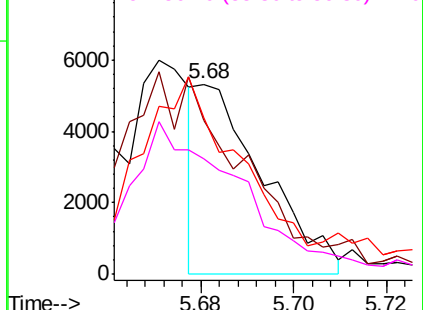


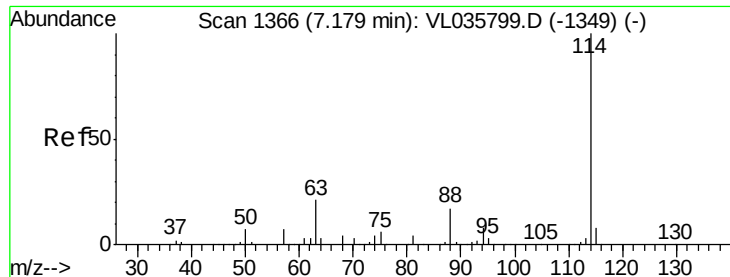
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

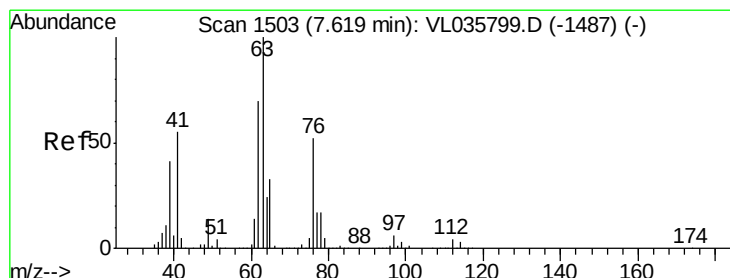
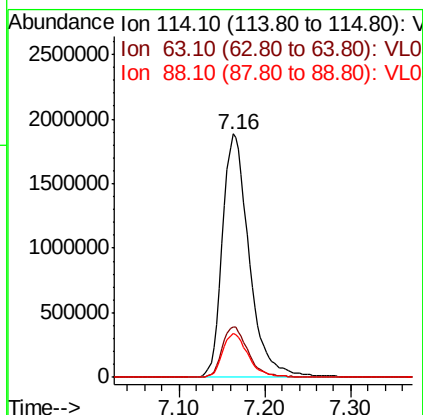
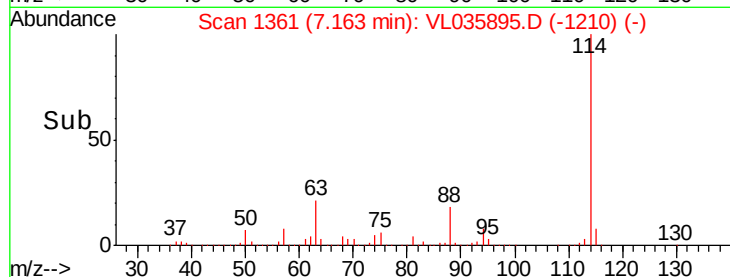
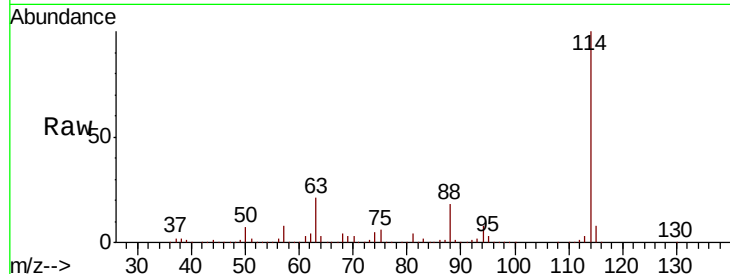




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: VL035895.D
 Acq: 10 Nov 2020 19:08

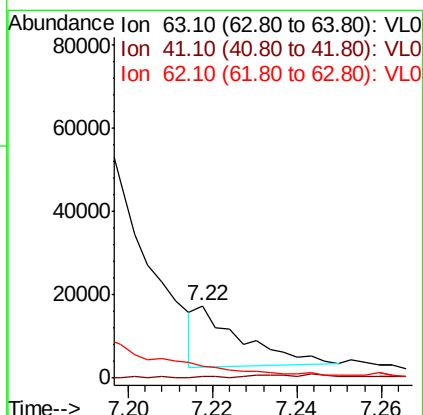
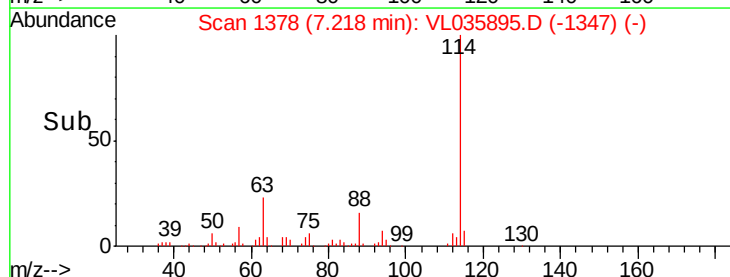
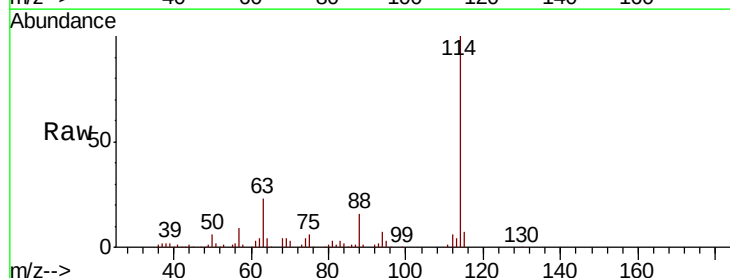
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL2

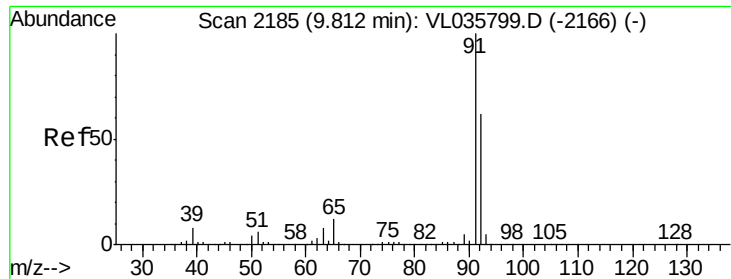
Tot Ion:114 Resp: 4085817
 Ion Ratio Lower Upper
 114 100
 63 20.5 16.1 24.1
 88 17.5 13.7 20.5



#39
 1,2-Dichloropropane
 Concen: 0.104 ppbv
 RT: 7.22 min Scan# 1378
 Delta R.T. -0.40 min
 Lab File: VL035895.D
 Acq: 10 Nov 2020 19:08

Tgt Ion: 63 Resp: 10659
 Ion Ratio Lower Upper
 63 100
 41 3.1 43.8 65.6#
 62 15.2 56.2 84.2#





#53

Toluene

Concen: 0.528 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL035895.D

Acq: 10 Nov 2020 19:08

Instrument :

MSVOA_L

ClientSampleId :

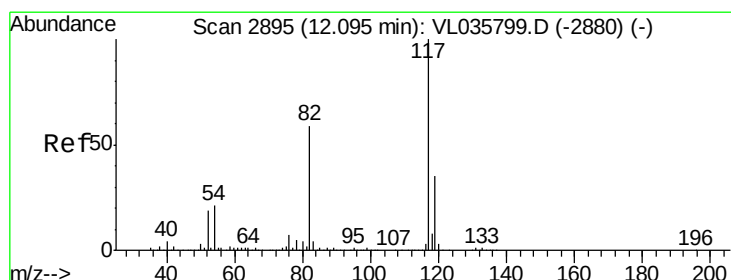
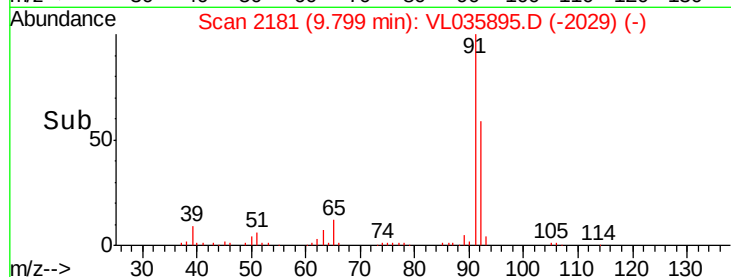
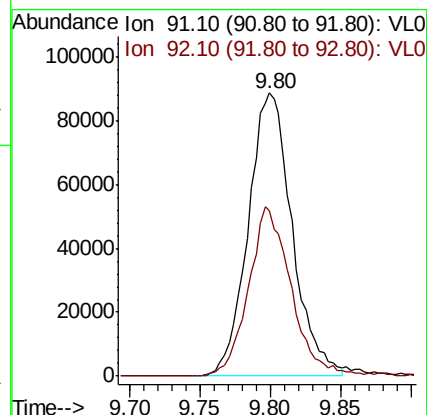
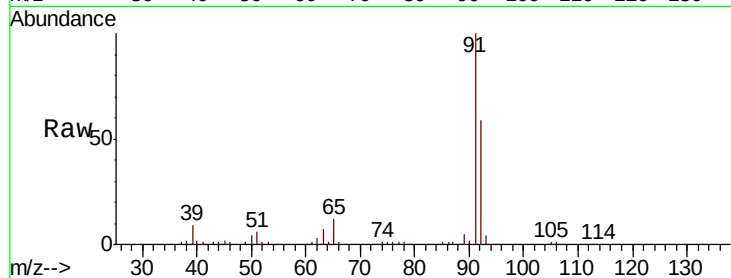
IA-1DL2

Tot Ion: 91 Resp: 193388

Ion Ratio Lower Upper

91 100

92 58.3 49.8 74.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2890

Delta R.T. -0.02 min

Lab File: VL035895.D

Acq: 10 Nov 2020 19:08

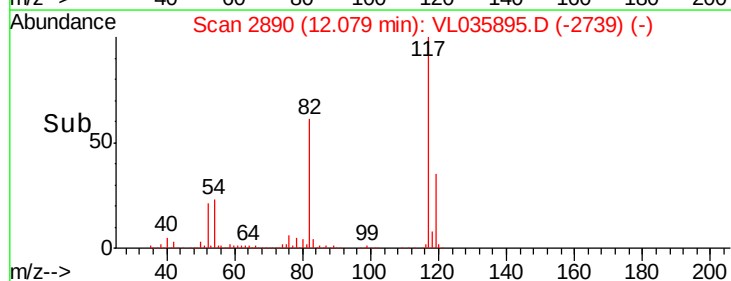
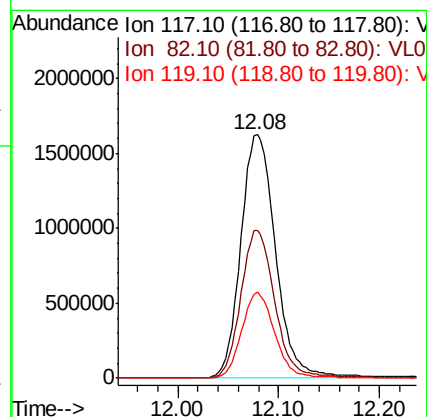
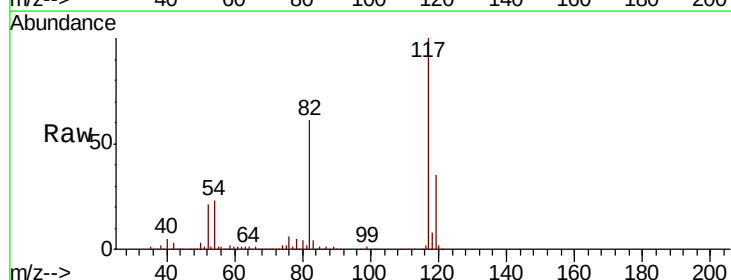
Tgt Ion: 117 Resp: 3870226

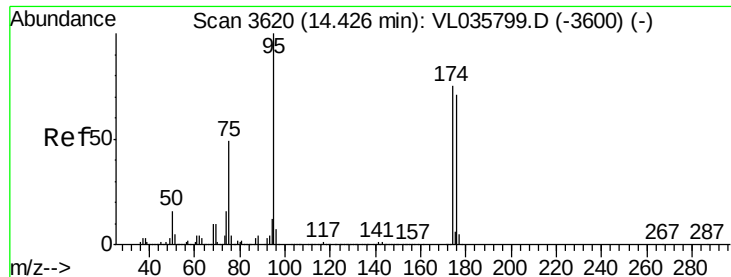
Ion Ratio Lower Upper

117 100

82 60.7 50.6 76.0

119 34.2 52.6 78.8#

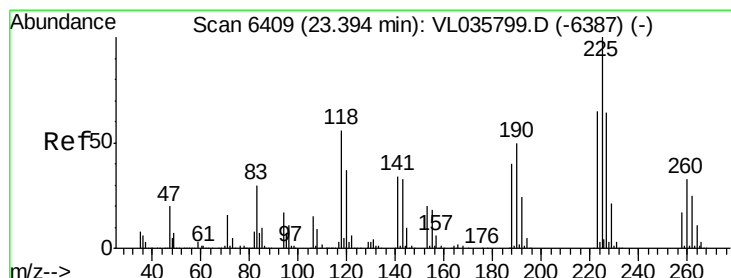
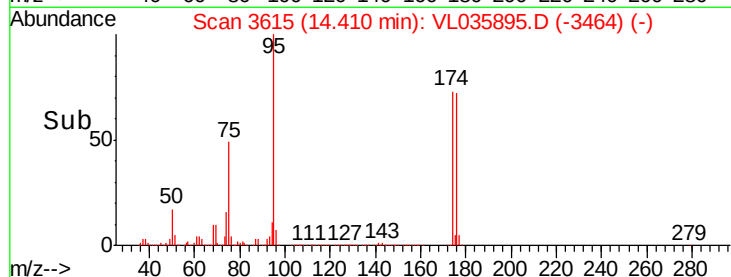
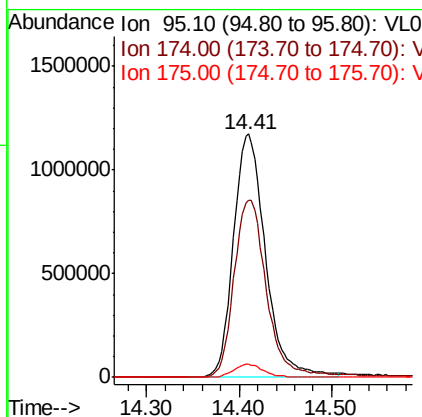
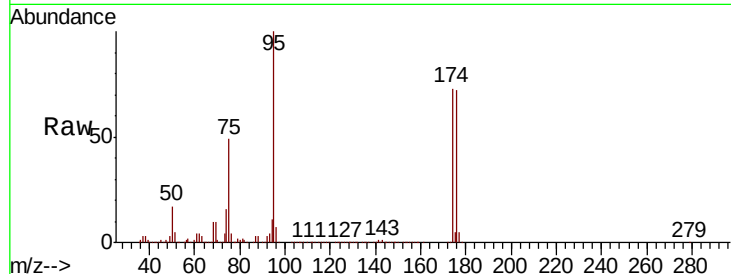




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.242 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. -0.02 min
 Lab File: VL035895.D
 Acq: 10 Nov 2020 19:08

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL2

Tot Ion: 95 Resp: 2816300
 Ion Ratio Lower Upper
 95 100
 174 75.6 59.8 89.6
 175 5.3 4.3 6.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.032 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. -0.01 min
 Lab File: VL035895.D
 Acq: 10 Nov 2020 19:08

Tgt Ion: 225 Resp: 4306
 Ion Ratio Lower Upper
 225 100
 223 79.9 51.0 76.6#
 227 90.4 51.2 76.8#

