

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091621\
 Data File : VL037620.D
 Acq On : 16 Sep 2021 18:09
 Operator : SY/AP
 Sample : M2262-14 0.03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 17 05:28:13 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1536203	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4435297	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3775854	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2720073	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

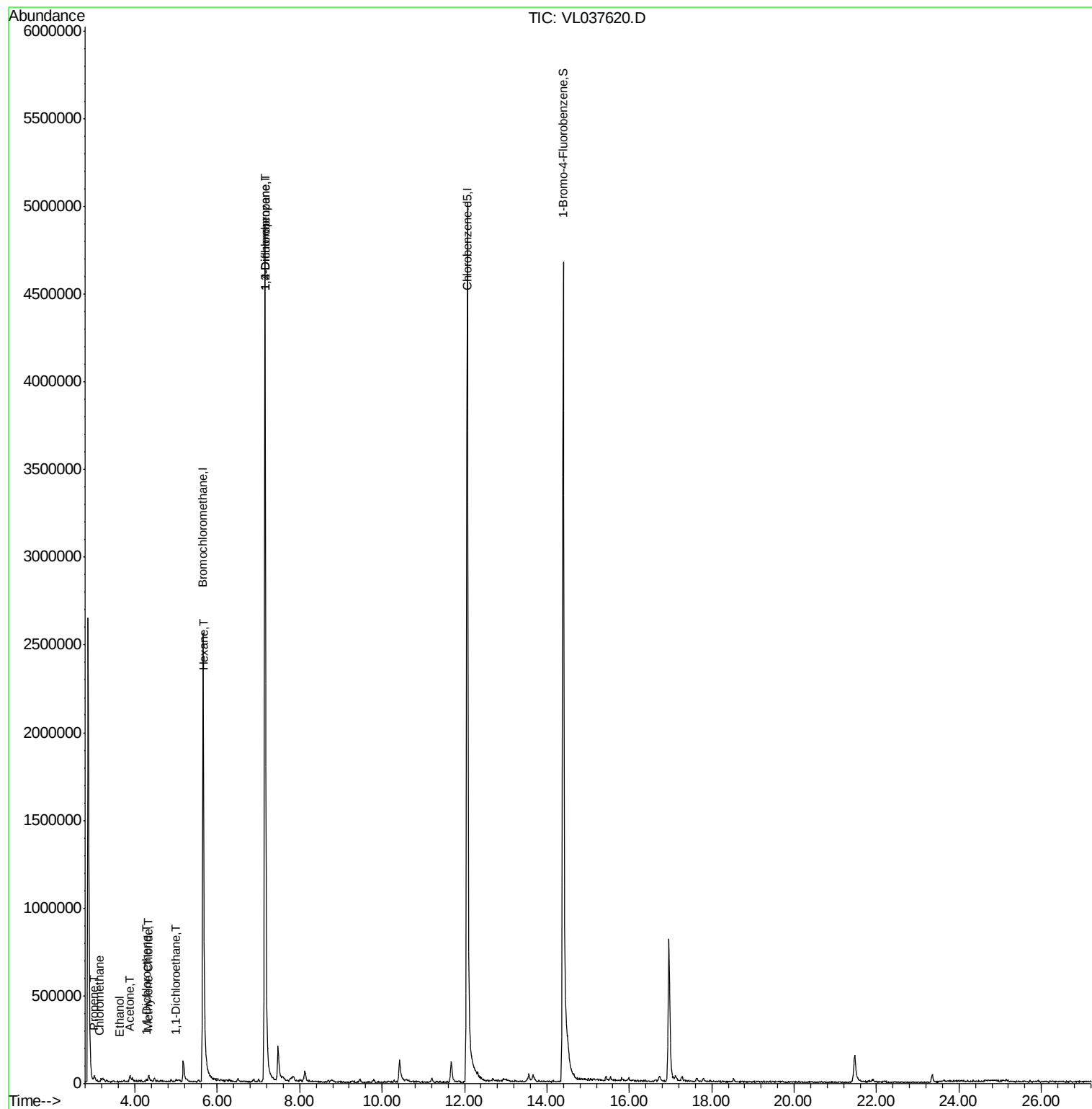
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.13	50	5483	0.051	ppbv #	58
9) Propene	3.00	41	3408	0.033	ppbv #	1
13) Ethanol	3.61	45	481	0.048	ppbv #	1
15) Acetone	3.87	43	18841	0.118	ppbv #	44
18) 1,1-Dichloroethene	4.29	96	2802	0.037	ppbv #	46
20) Methylene Chloride	4.33	84	5745	0.075	ppbv #	49
24) 1,1-Dichloroethane	4.99	63	5946	0.038	ppbv #	88
26) Hexane	5.67	57	6335	0.034	ppbv #	72
39) 1,2-Dichloropropane	7.16	63	1041436	7.352	ppbv #	29

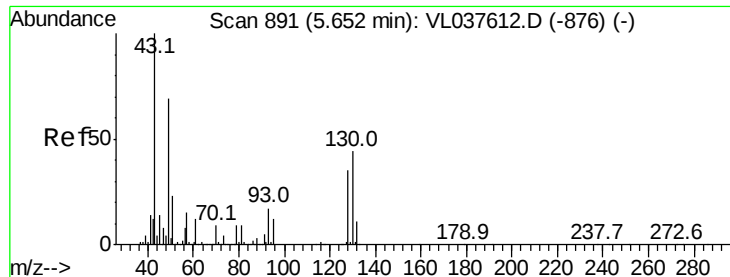
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
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QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037620.D

Acq: 16 Sep 2021 18:09

Instrument :
MSVOA_L
ClientSampleId :

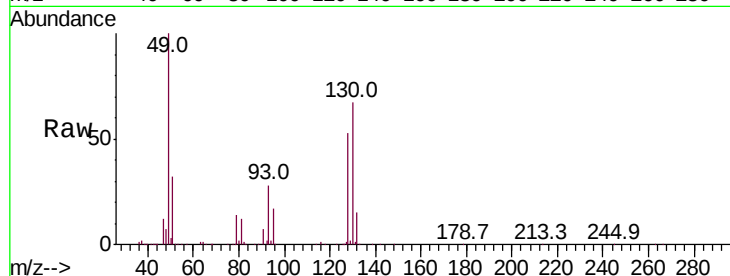
Tot Ion: 49 Resp: 1536203

Ion Ratio Lower Upper

49 100

128 53.7 27.9 83.6

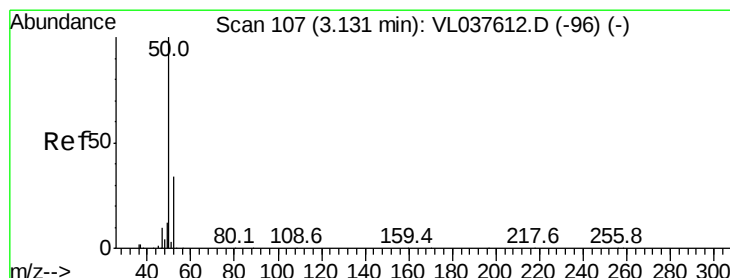
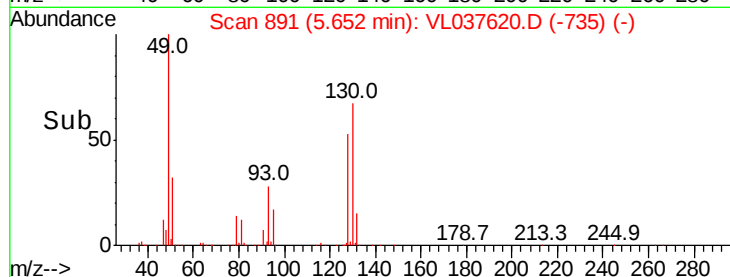
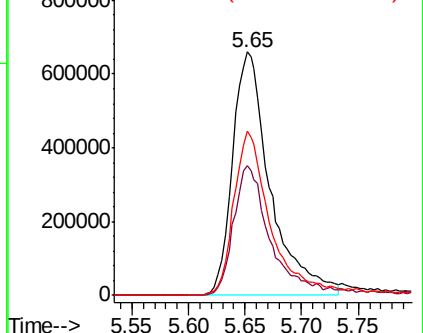
130 68.5 33.9 101.7



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



#4

Chloromethane

Concen: 0.051 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL037620.D

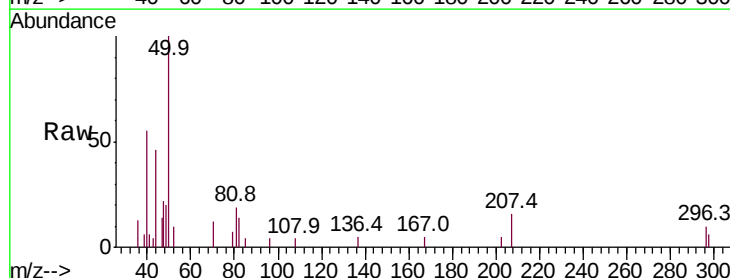
Acq: 16 Sep 2021 18:09

Tgt Ion: 50 Resp: 5483

Ion Ratio Lower Upper

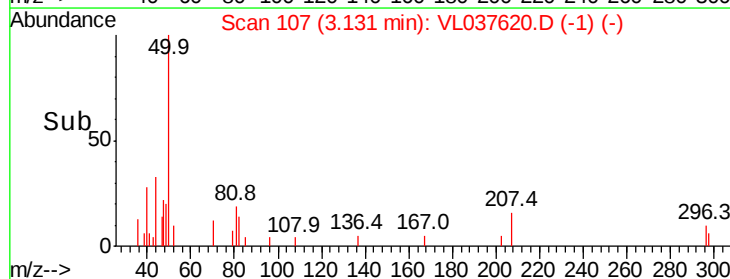
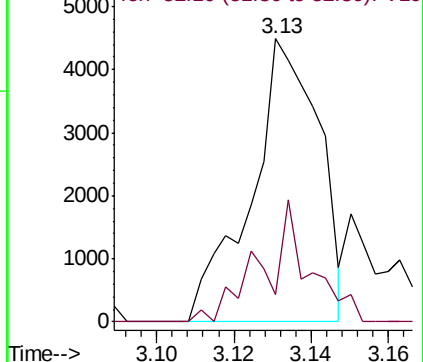
50 100

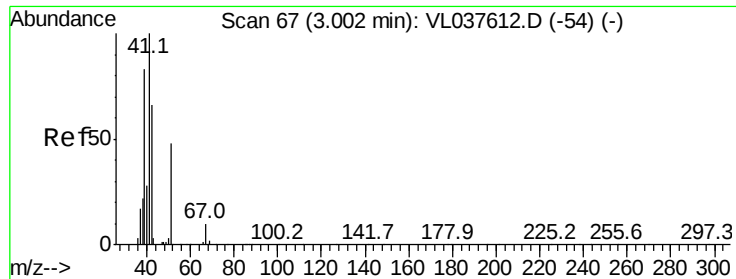
52 9.7 27.1 40.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.033 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL037620.D

Acq: 16 Sep 2021 18:09

Instrument :

MSVOA_L

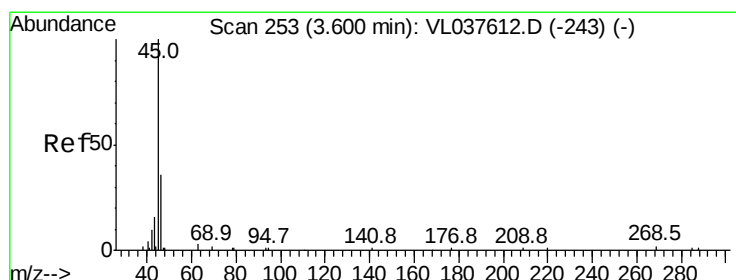
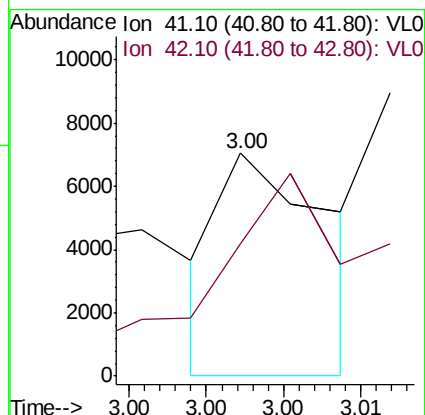
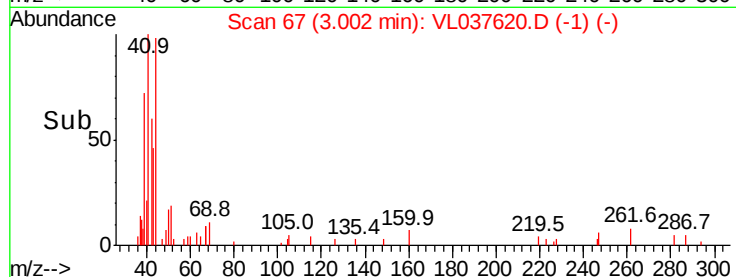
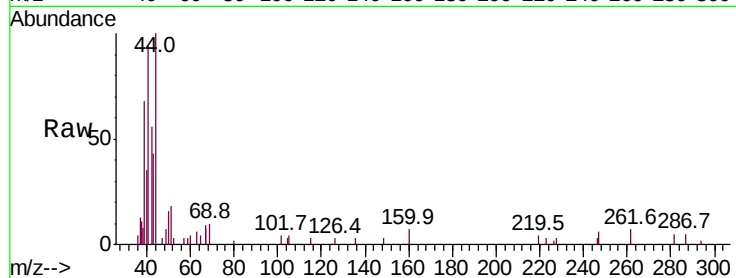
ClientSampled :

Tot Ion: 41 Resp: 3408

Ion Ratio Lower Upper

41 100

42 250.7 57.2 85.8#



#13

Ethanol

Concen: 0.048 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL037620.D

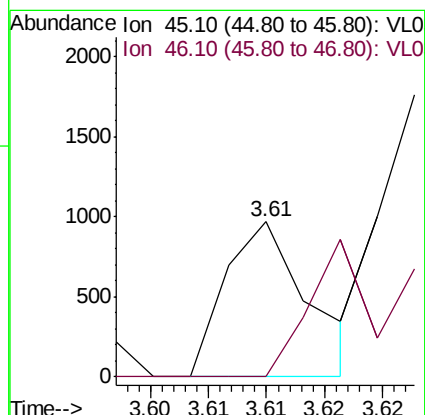
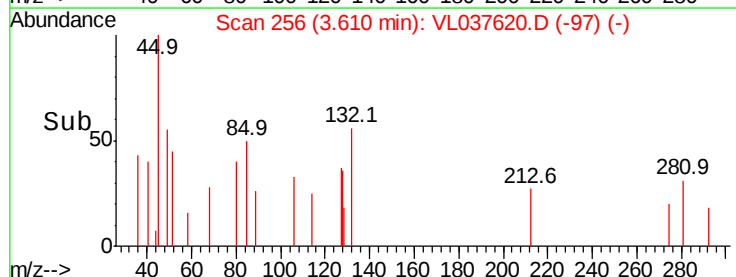
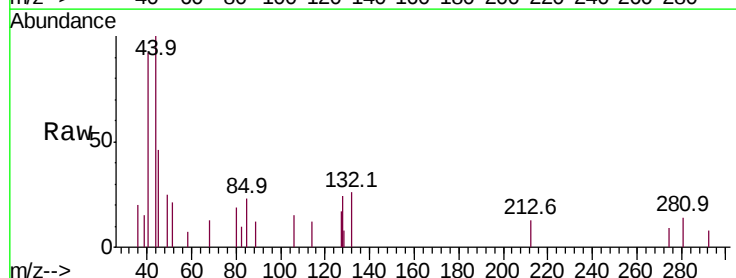
Acq: 16 Sep 2021 18:09

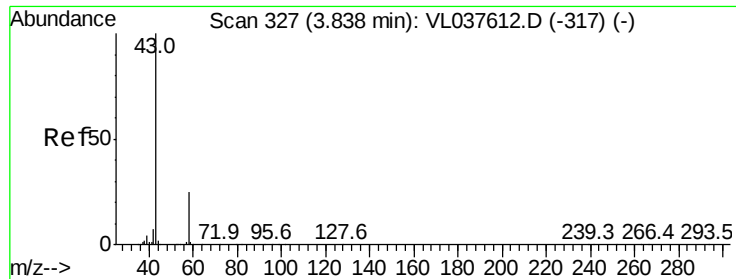
Tgt Ion: 45 Resp: 481

Ion Ratio Lower Upper

45 100

46 170.5 17.2 68.8#





#15

Acetone

Concen: 0.118 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.03 min

Lab File: VL037620.D

Acq: 16 Sep 2021 18:09

Instrument :

MSVOA_L

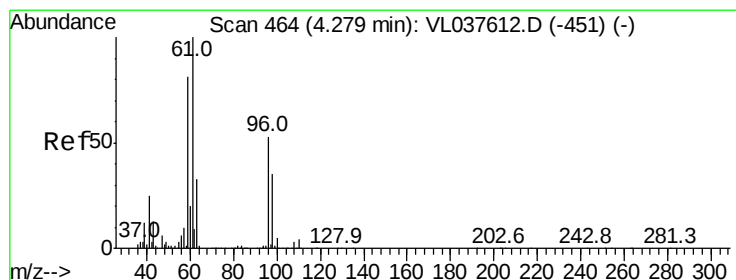
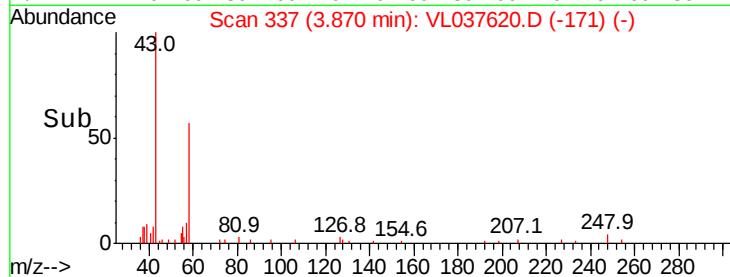
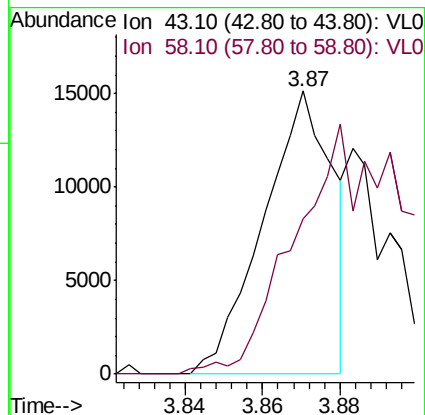
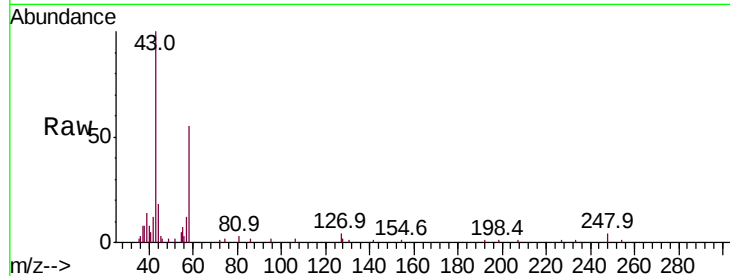
ClientSampleId :

Tot Ion: 43 Resp: 18841

Ion Ratio Lower Upper

43 100

58 0.0 24.9 37.3#



#18

1,1-Dichloroethene

Concen: 0.037 ppbv

RT: 4.29 min Scan# 466

Delta R.T. 0.01 min

Lab File: VL037620.D

Acq: 16 Sep 2021 18:09

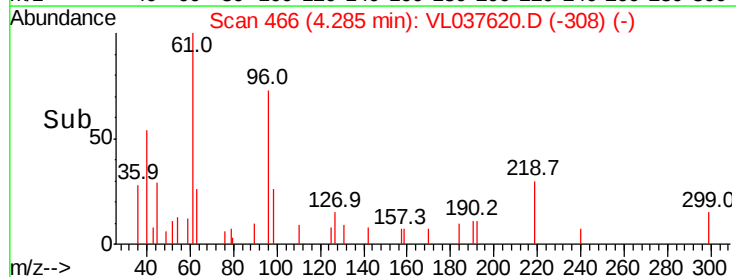
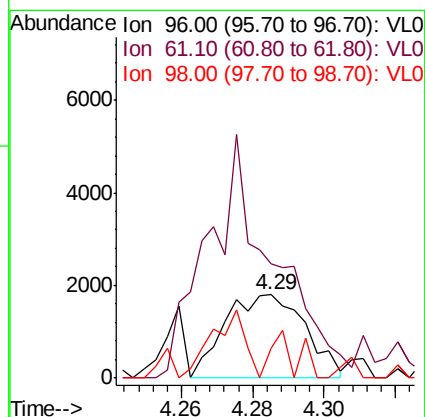
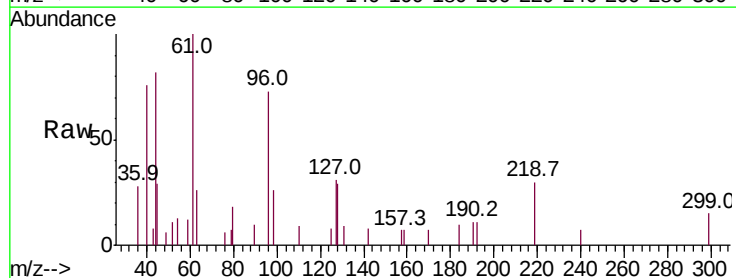
Tgt Ion: 96 Resp: 2802

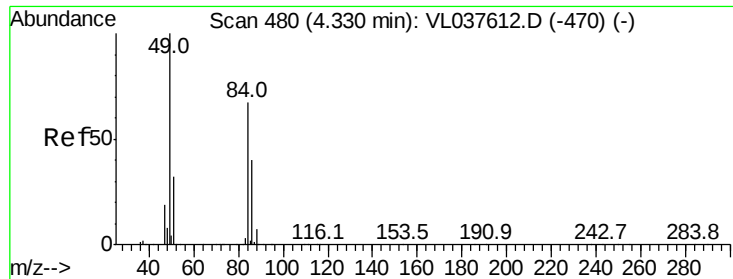
Ion Ratio Lower Upper

96 100

61 108.3 150.4 225.6#

98 23.9 52.1 78.1#

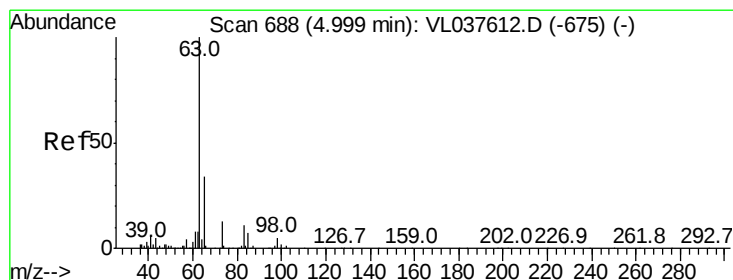
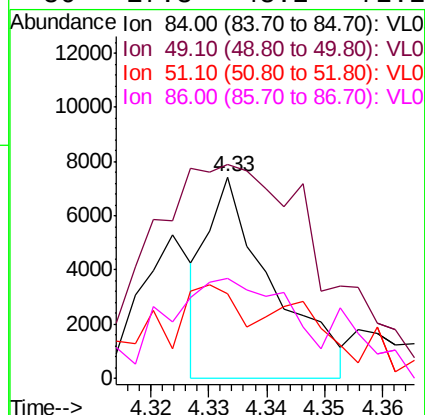
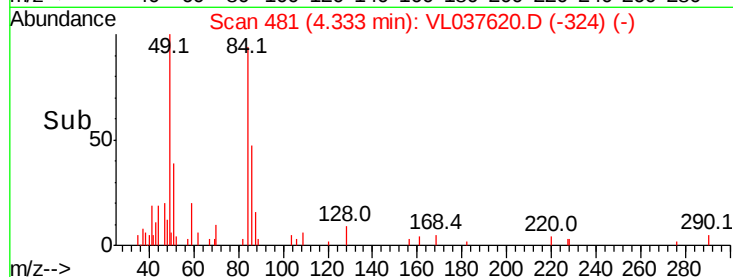
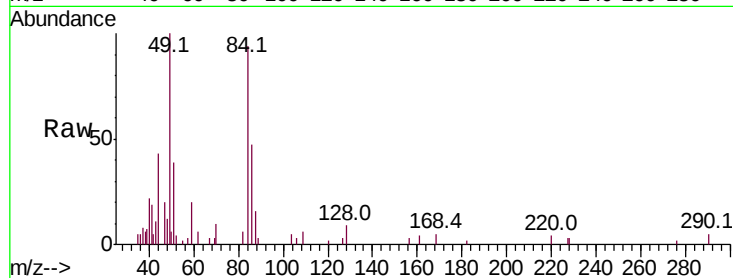




#20
Methylene Chloride
Concen: 0.075 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.00 min
Lab File: VL037620.D
Acq: 16 Sep 2021 18:09

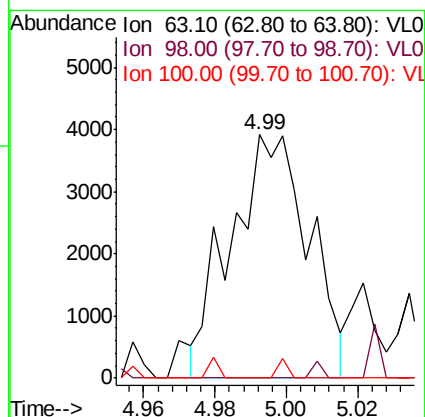
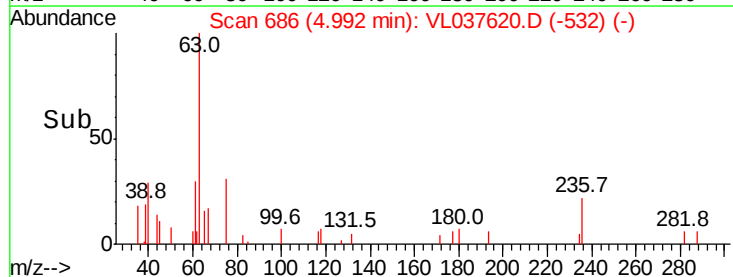
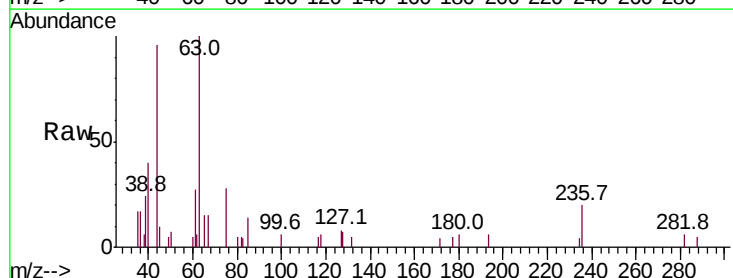
Instrument :
MSVOA_L
ClientSampled :

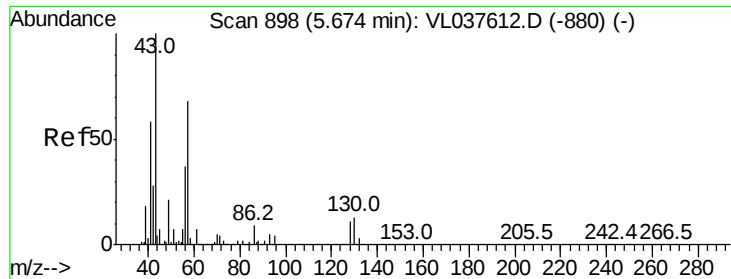
Tot Ion: 84 Resp: 5745
Ion Ratio Lower Upper
84 100
49 78.2 120.0 180.0#
51 29.3 38.0 57.0#
86 17.3 48.2 72.2#



#24
1,1-Dichloroethane
Concen: 0.038 ppbv
RT: 4.99 min Scan# 686
Delta R.T. -0.01 min
Lab File: VL037620.D
Acq: 16 Sep 2021 18:09

Tgt Ion: 63 Resp: 5946
Ion Ratio Lower Upper
63 100
98 0.0 2.4 7.2#
100 0.0 1.1 3.5#





#26

Hexane

Concen: 0.034 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL037620.D

Acq: 16 Sep 2021 18:09

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 57 Resp: 6335

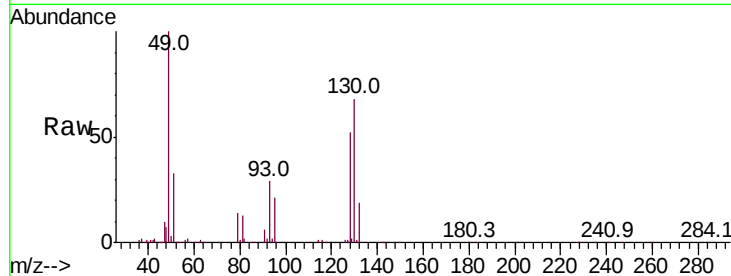
Ion Ratio Lower Upper

57 100

41 0.0 70.9 106.3#

43 216.4 170.4 255.6

56 68.1 42.6 64.0#

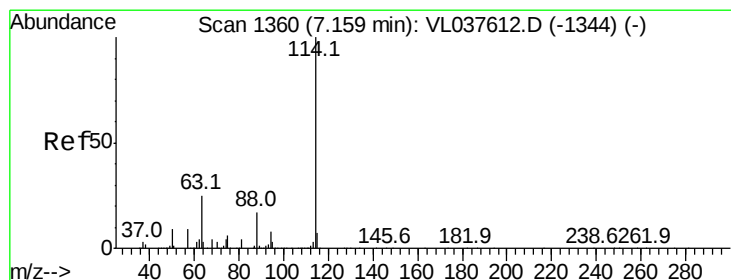
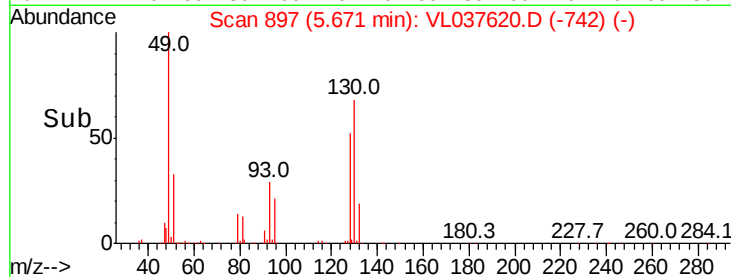
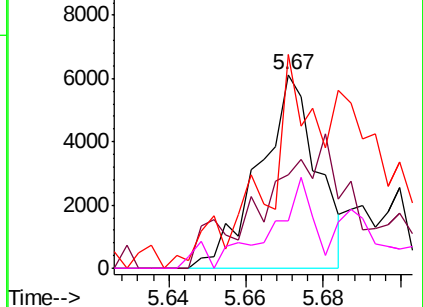


Abundance Ion 57.10 (56.80 to 57.80): VL0

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# 1359

Delta R.T. -0.00 min

Lab File: VL037620.D

Acq: 16 Sep 2021 18:09

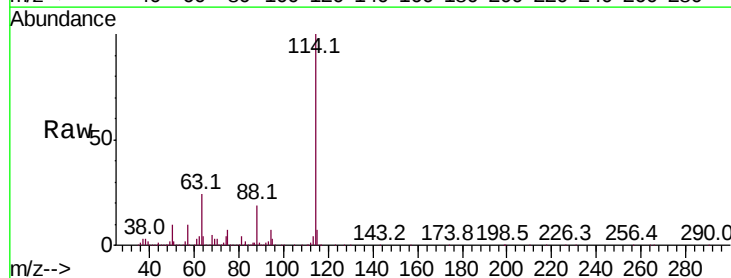
Tgt Ion: 114 Resp: 4435297

Ion Ratio Lower Upper

114 100

63 24.0 19.6 29.4

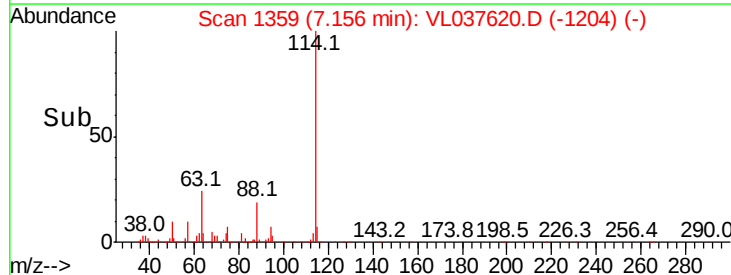
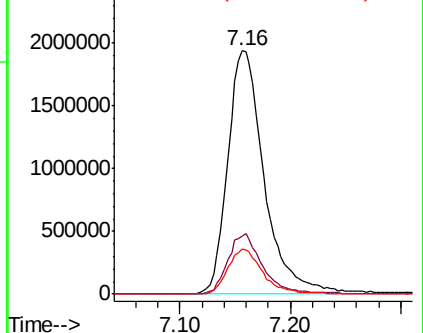
88 18.3 14.2 21.4

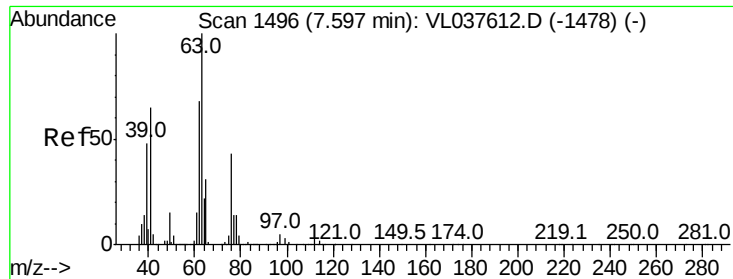


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



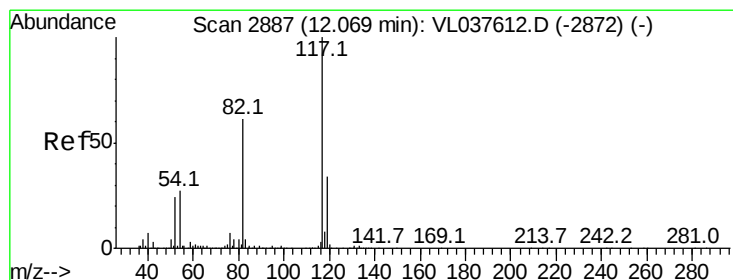
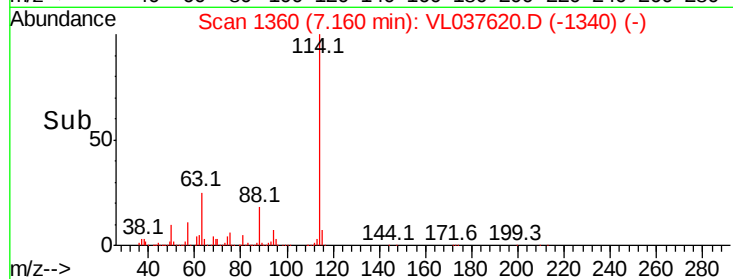
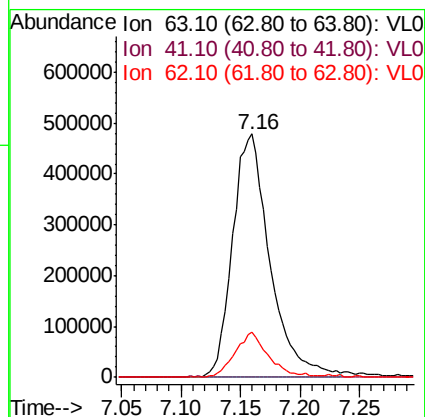
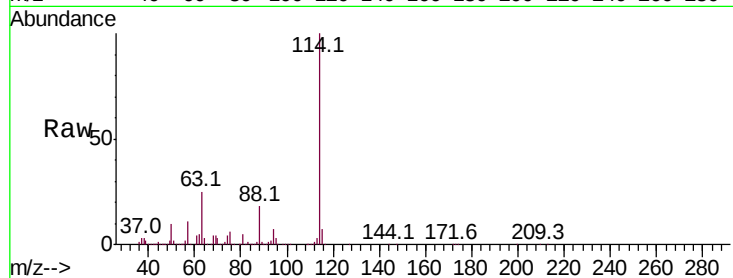


#39
 1,2-Dichloropropane
 Concen: 7.352 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.44 min
 Lab File: VL037620.D
 Acq: 16 Sep 2021 18:09

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1041436

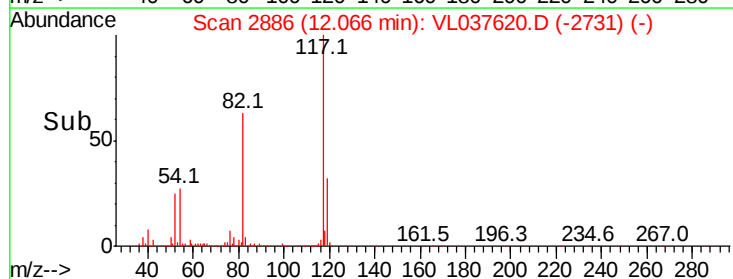
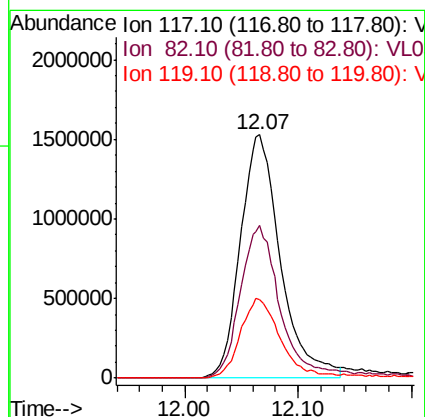
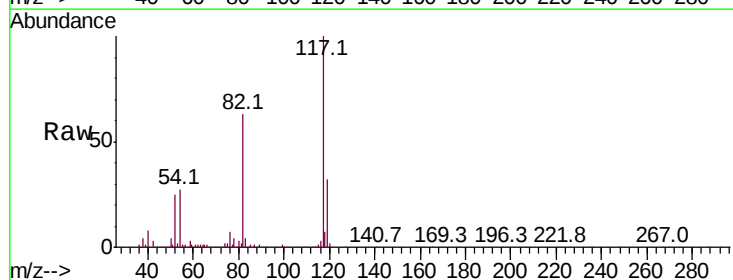
Ion	Ratio	Lower	Upper
63	100		
41	0.1	51.6	77.4#
62	18.7	54.6	81.8#

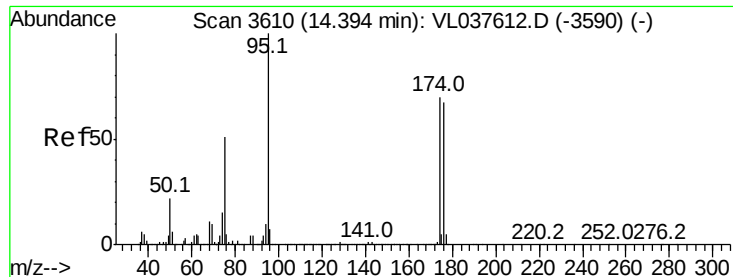


#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2886
 Delta R.T. -0.00 min
 Lab File: VL037620.D
 Acq: 16 Sep 2021 18:09

Tgt Ion: 117 Resp: 3775854

Ion	Ratio	Lower	Upper
117	100		
82	65.5	50.6	75.8
119	33.7	26.2	39.2





#68

1-Bromo-4-Fluorobenzene

Concen: 9.968 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VL037620.D

Acq: 16 Sep 2021 18:09

Instrument :

MSVOA_L

ClientSampleId :

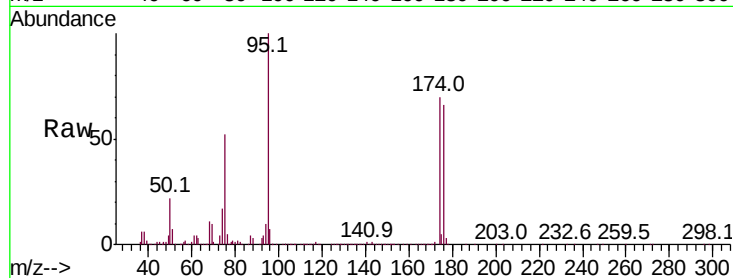
Tot Ion: 95 Resp: 2720073

Ion Ratio Lower Upper

95 100

174 75.6 56.3 84.5

175 5.4 4.4 6.6



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

