

Data File : VL032359.D
Acq On : 15 Aug 2018 19:50
Operator : SY/AP
Sample : J4266-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
1000

Quant Time: Aug 16 05:47:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	2199833	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	4295157	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	4115190	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.65 95 3344821 10.65 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 106.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.12	85	849	Below Cal		89
3) Chlorodifluoromethane	3.05	51	19276	0.095	ppbv	94
5) Vinyl Chloride	3.33	62	2095104	18.123	ppbv	97
7) Chloroethane	3.33	64	663695	16.371	ppbv #	44
9) Propene	3.07	41	2705	0.031	ppbv #	16
11) Trichlorofluoromethane	4.05	101	8179	0.033	ppbv	91
13) Ethanol	3.71	45	29366	1.311	ppbv	96
14) Bromoethene	3.83	108	9427	0.132	ppbv #	88
15) Acetone	3.96	43	100807	0.482	ppbv	96
20) Methylene Chloride	4.46	84	80871	1.025	ppbv	92
23) Vinyl Acetate	5.21	43	11974	0.033	ppbv #	88
25) Ethyl Acetate	5.84	43	50854	0.114	ppbv #	88
26) Hexane	5.84	57	52469	0.263	ppbv #	49
29) Chloroform	5.90	83	5947398	20.324	ppbv	98
34) 2-Butanone	5.40	43	18364	0.063	ppbv	97
35) Carbon Tetrachloride	7.20	117	8967	0.035	ppbv #	77
36) Benzene	7.06	78	5373190	14.756	ppbv	99
37) 1,2-Dichloroethane	6.47	62	2869868	12.989	ppbv	99
38) Trichloroethene	8.02	130	4377	0.034	ppbv #	75
39) 1,2-Dichloropropane	7.80	63	3351789	22.035	ppbv	99
52) Tetrachloroethene	11.45	164	1816196	16.912	ppbv	97
54) 1,2-Dibromoethane	10.83	107	5418141	25.197	ppbv	100
57) Chlorobenzene	12.37	112	4215695	13.609	ppbv	98
60) o-Xylene	13.92	91	4960364	11.999	ppbv	99
73) 1,3,5-Trimethylbenzene	16.22	105	30853	0.070	ppbv	95
74) 1,2,4-Trimethylbenzene	16.99	105	80021	0.170	ppbv #	78
75) 1,3-Dichlorobenzene	17.24	146	11070	0.039	ppbv #	22
76) 1,4-Dichlorobenzene	17.38	146	10796	0.040	ppbv #	6
77) 1,2-Dichlorobenzene	18.06	146	5128506	18.927	ppbv	99
78) Hexachloro-1,3-Butadiene	23.61	225	9044	0.099	ppbv #	43
79) Naphthalene	22.50	128	7775	0.344	ppbv #	1
80) Naphthalene,2-methyl-	25.17	142	28177	0.299	ppbv	94
81) 1,2,4-Trichlorobenzene	22.22	180	28866	0.158	ppbv #	76

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

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 1000

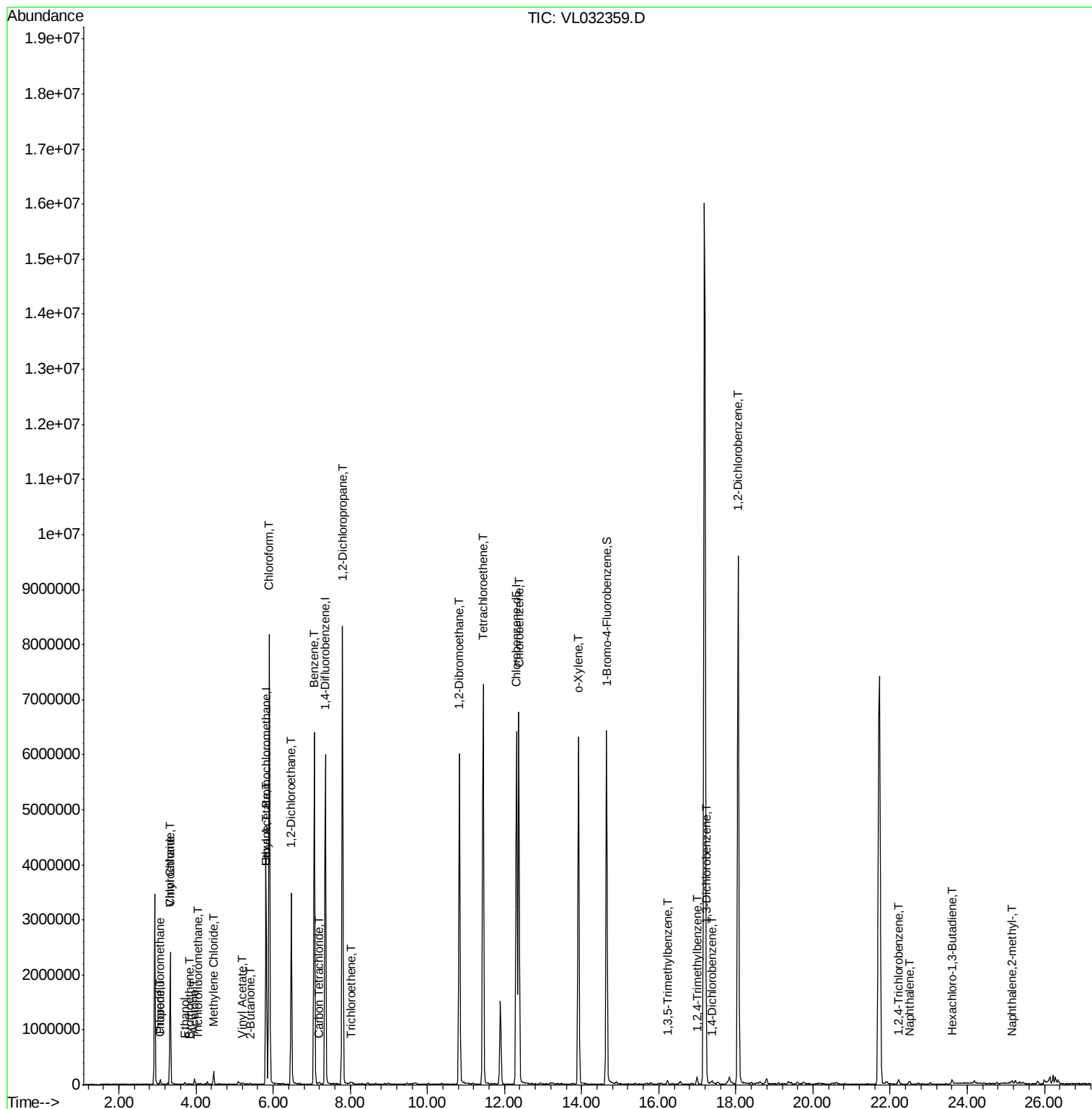
Quant Time: Aug 16 05:47:24 2018

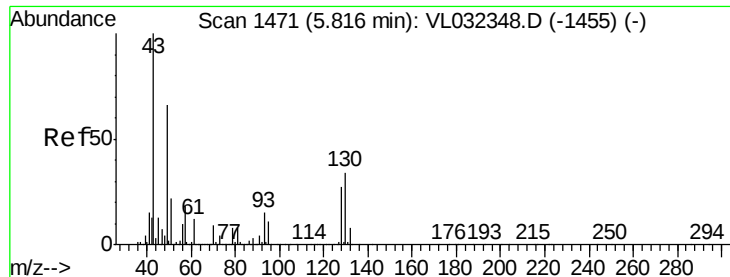
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL081518AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

QLast Update : Wed Aug 15 14:58:02 2018

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.82 min Scan# 1471

Delta R.T. 0.00 min

Lab File: VL032359.D

Acq: 15 Aug 2018 19:50

Instrument :

MSVOA_L

ClientSampled :

1000

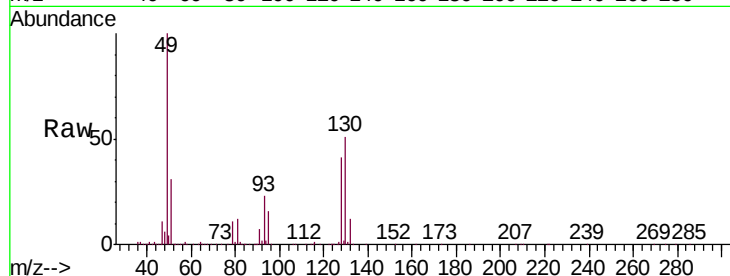
Tgt Ion: 49 Resp: 2199833

Ion Ratio Lower Upper

49 100

128 40.1 20.5 61.6

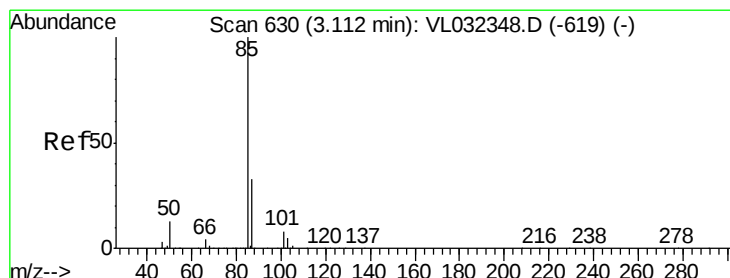
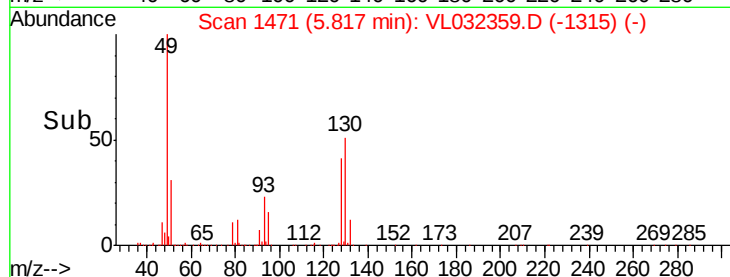
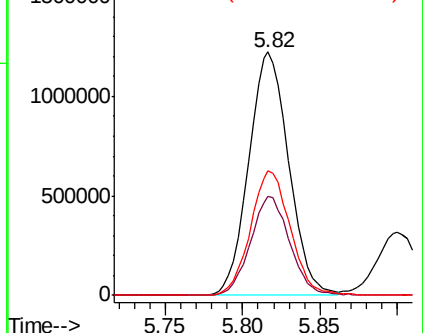
130 51.3 26.2 78.5



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: Below Cal

RT: 3.12 min Scan# 632

Delta R.T. 0.01 min

Lab File: VL032359.D

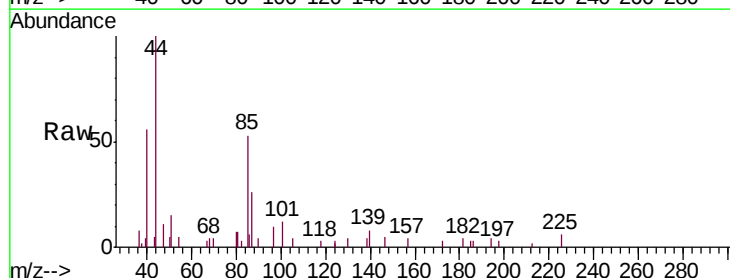
Acq: 15 Aug 2018 19:50

Tgt Ion: 85 Resp: 849

Ion Ratio Lower Upper

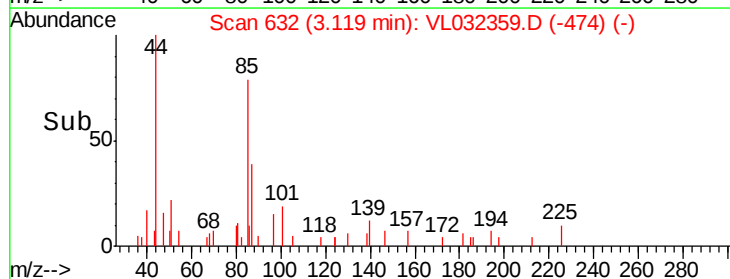
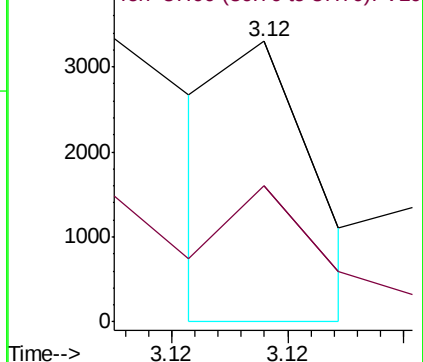
85 100

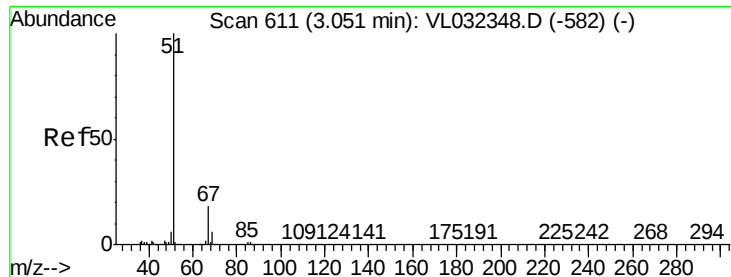
87 39.2 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

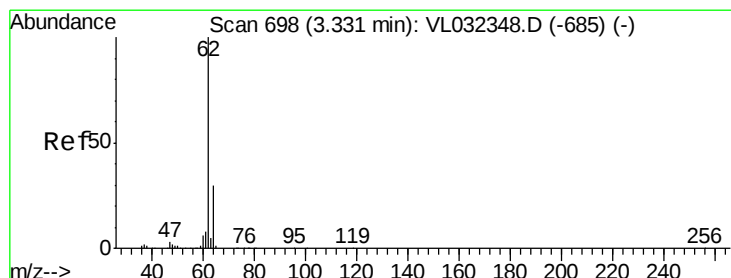
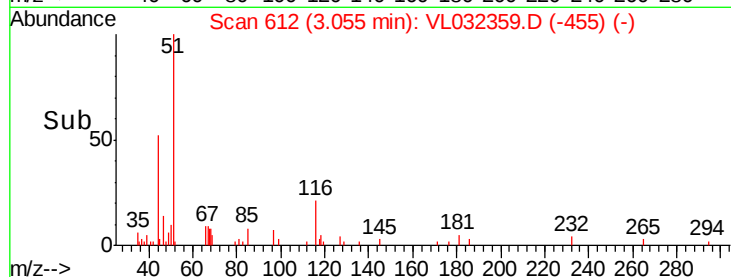
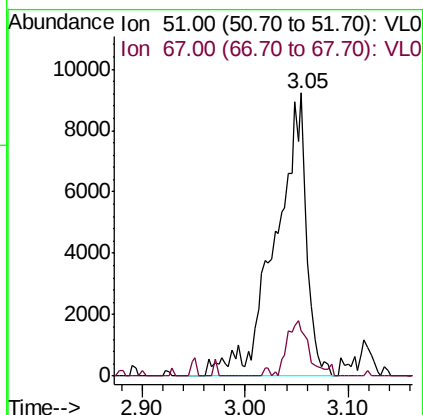
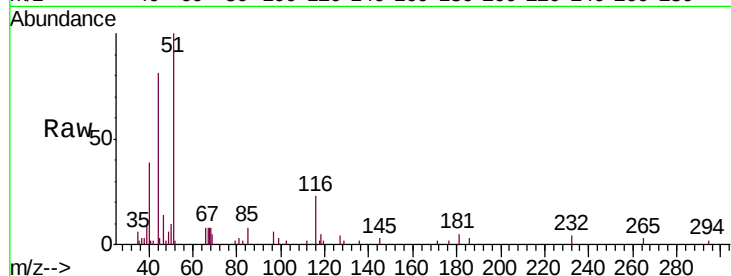




#3
 Chlorodifluoromethane
 Concen: 0.095 ppbv
 RT: 3.05 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VL032359.D
 Acq: 15 Aug 2018 19:50

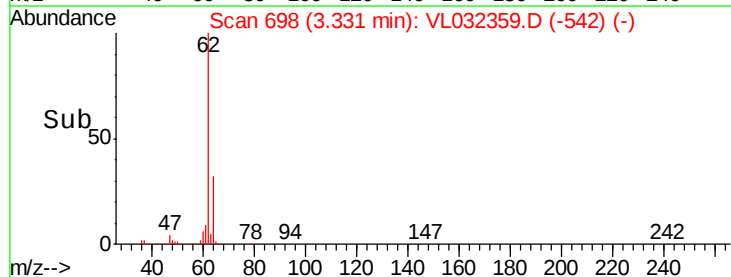
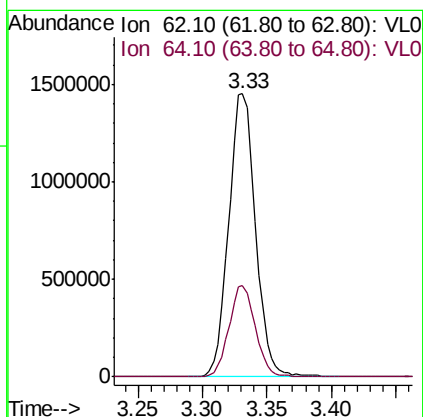
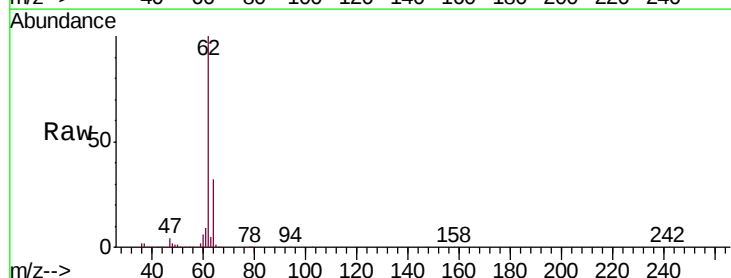
Instrument :
 MSVOA_L
 ClientSampleId :
 1000

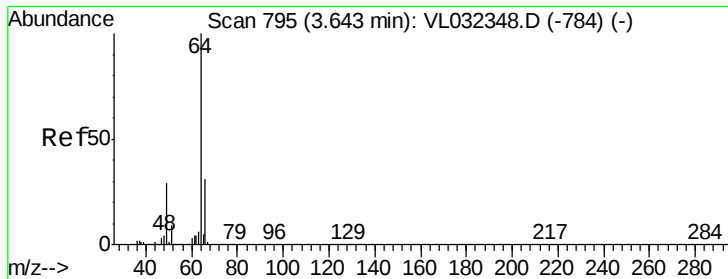
Tgt Ion: 51 Resp: 19276
 Ion Ratio Lower Upper
 51 100
 67 14.5 13.7 20.5



#5
 Vinyl Chloride
 Concen: 18.123 ppbv
 RT: 3.33 min Scan# 698
 Delta R.T. 0.00 min
 Lab File: VL032359.D
 Acq: 15 Aug 2018 19:50

Tgt Ion: 62 Resp: 2095104
 Ion Ratio Lower Upper
 62 100
 64 32.1 24.2 36.2





#7

Chloroethane

Concen: 16.371 ppbv

RT: 3.33 min Scan# 698

Delta R.T. -0.31 min

Lab File: VL032359.D

Acq: 15 Aug 2018 19:50

Instrument :

MSVOA_L

ClientSampleId :

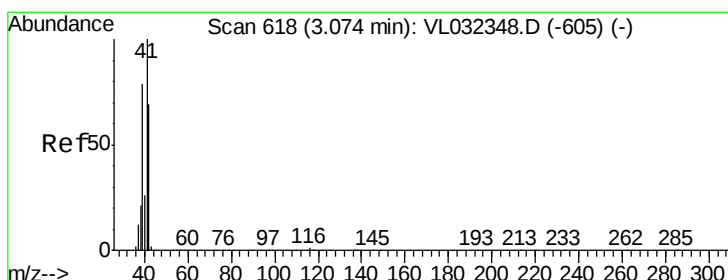
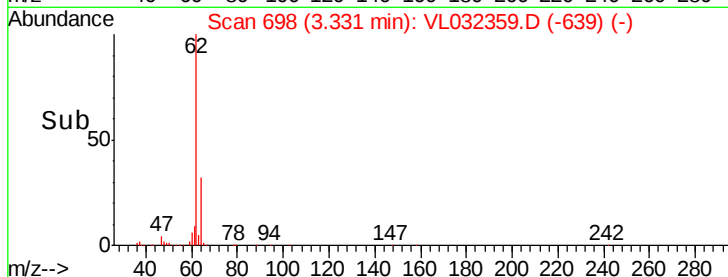
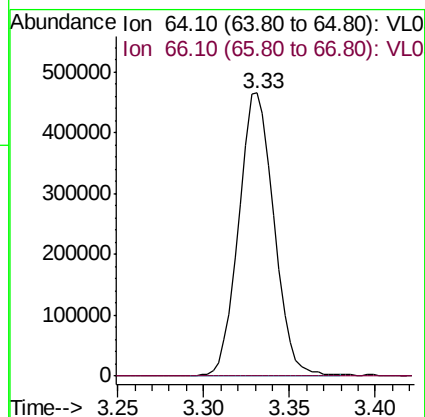
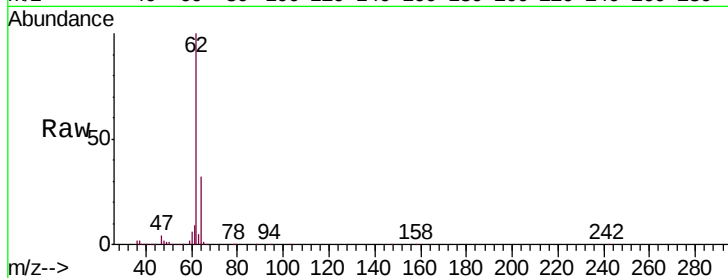
1000

Tgt Ion: 64 Resp: 663695

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



#9

Propene

Concen: 0.031 ppbv

RT: 3.07 min Scan# 618

Delta R.T. 0.00 min

Lab File: VL032359.D

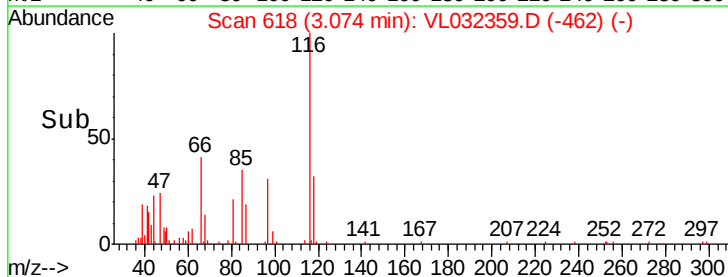
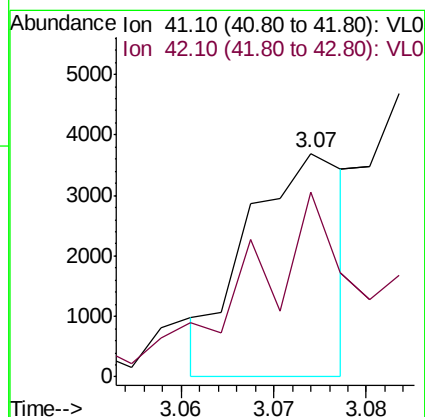
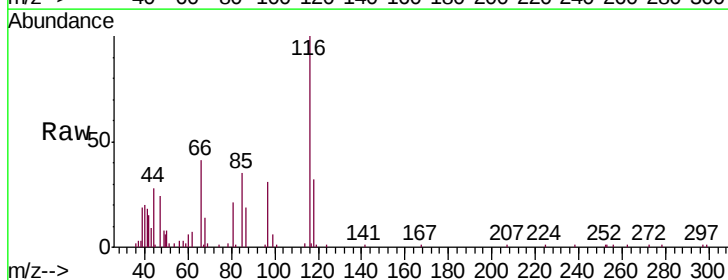
Acq: 15 Aug 2018 19:50

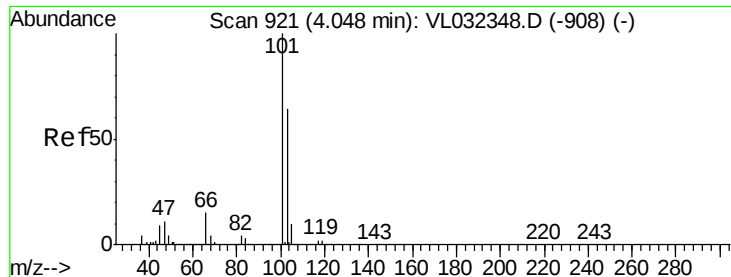
Tgt Ion: 41 Resp: 2705

Ion Ratio Lower Upper

41 100

42 139.1 55.9 83.9#





#11

Trichlorofluoromethane

Concen: 0.033 ppbv

RT: 4.05 min Scan# 922

Delta R.T. 0.00 min

Lab File: VL032359.D

Acq: 15 Aug 2018 19:50

Instrument :

MSVOA_L

ClientSampleId :

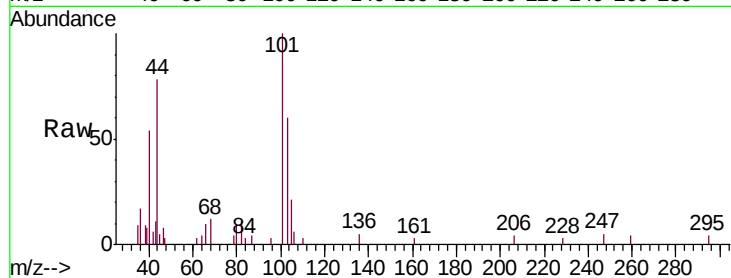
1000

Tgt Ion: 101 Resp: 8179

Ion Ratio Lower Upper

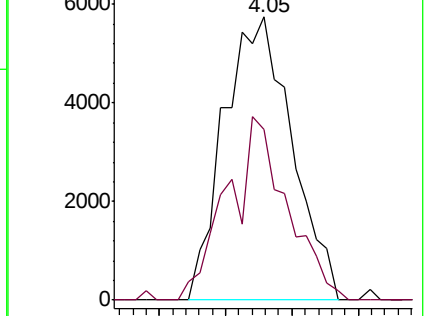
101 100

103 57.0 51.4 77.0

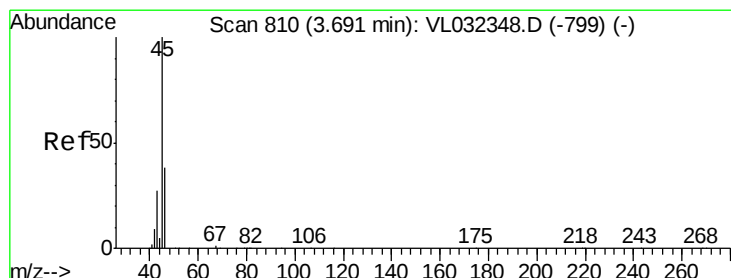
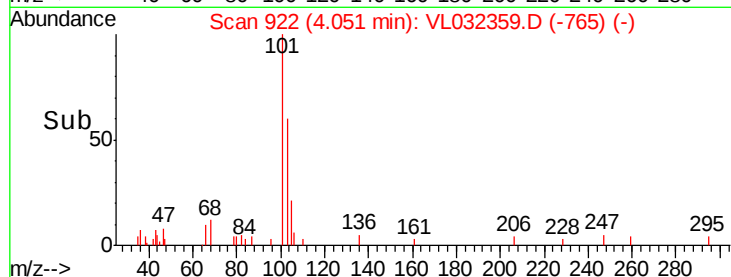


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



Time-->



#13

Ethanol

Concen: 1.311 ppbv

RT: 3.71 min Scan# 815

Delta R.T. 0.02 min

Lab File: VL032359.D

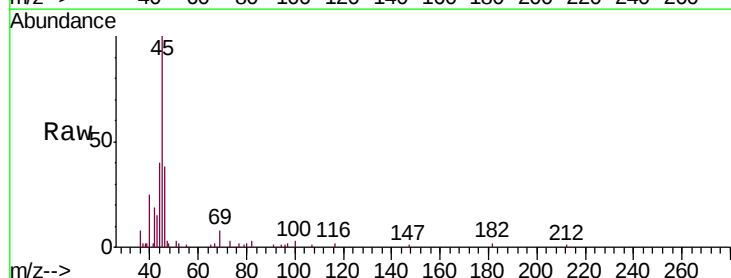
Acq: 15 Aug 2018 19:50

Tgt Ion: 45 Resp: 29366

Ion Ratio Lower Upper

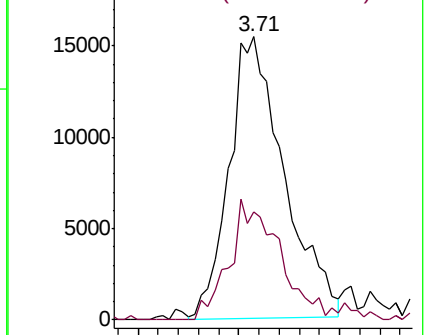
45 100

46 41.5 15.6 62.4

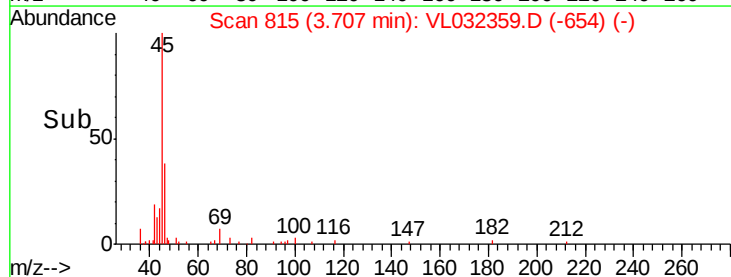


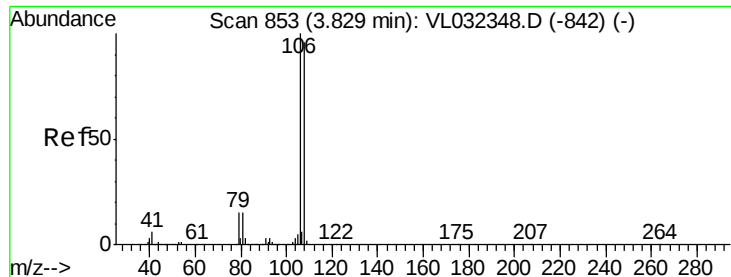
Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



Time-->





#14

Bromoethene

Concen: 0.132 ppbv

RT: 3.83 min Scan# 853

Delta R.T. 0.00 min

Lab File: VL032359.D

Acq: 15 Aug 2018 19:50

Instrument :

MSVOA_L

ClientSampleId :

1000

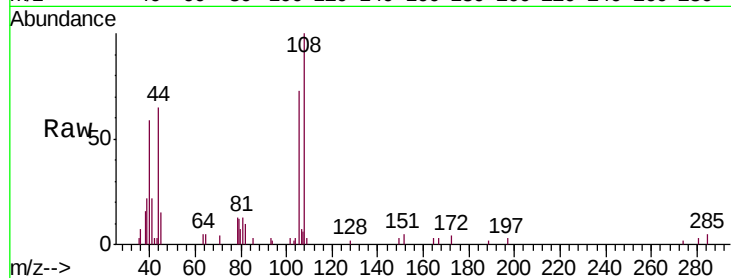
Tgt Ion:108 Resp: 9427

Ion Ratio Lower Upper

108 100

106 94.7 85.7 128.5

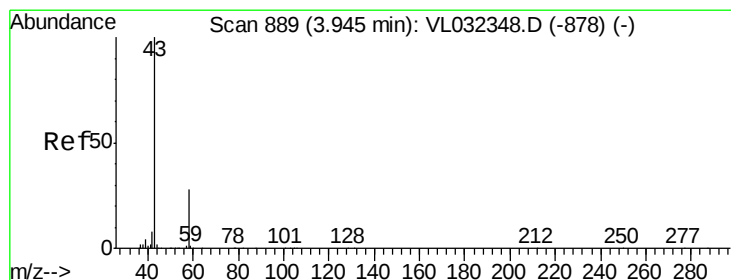
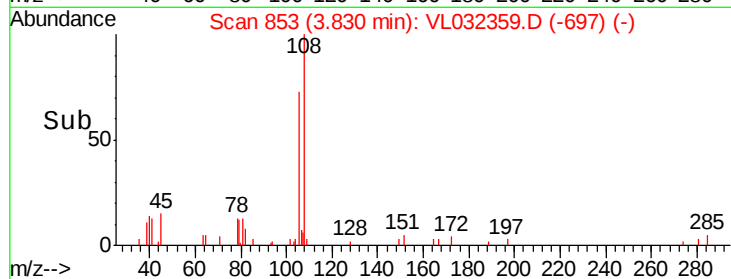
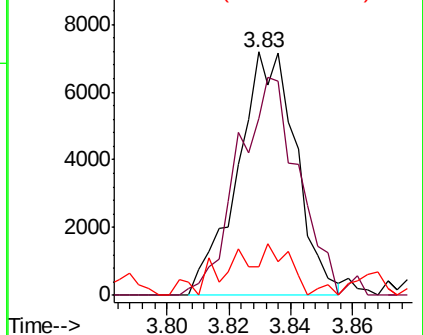
79 21.4 13.1 19.7#



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0



#15

Acetone

Concen: 0.482 ppbv

RT: 3.96 min Scan# 894

Delta R.T. 0.02 min

Lab File: VL032359.D

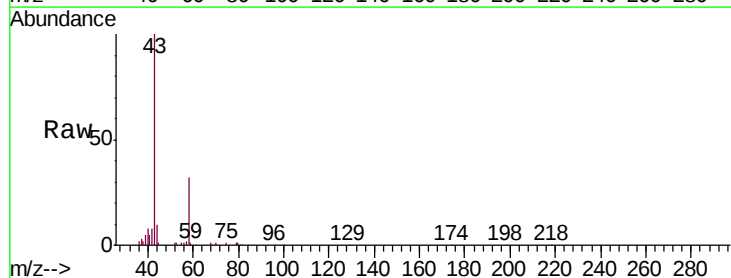
Acq: 15 Aug 2018 19:50

Tgt Ion: 43 Resp: 100807

Ion Ratio Lower Upper

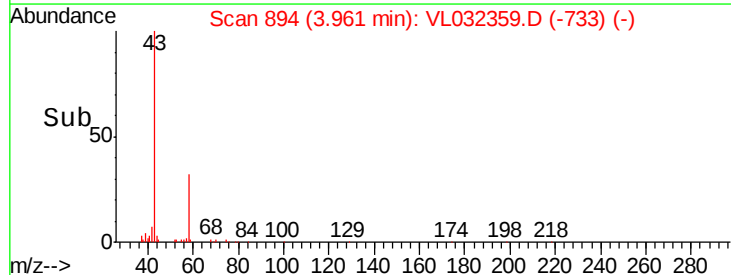
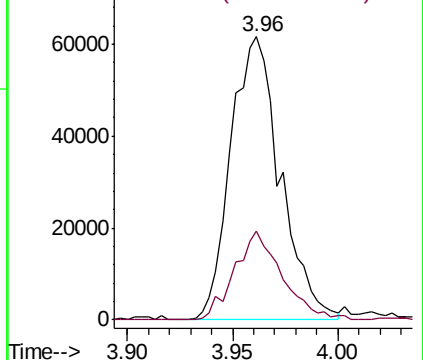
43 100

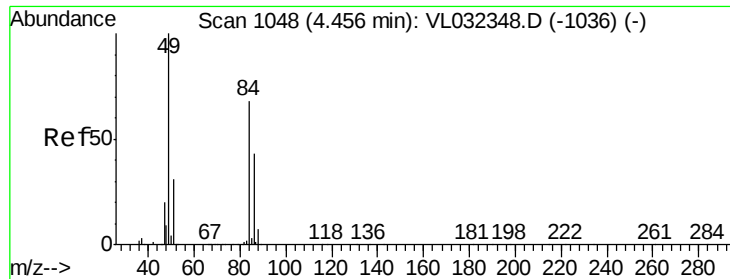
58 30.1 22.4 33.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

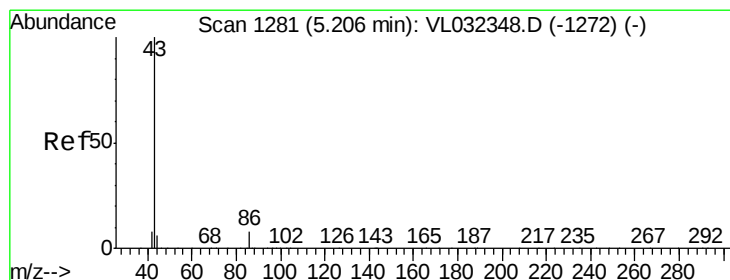
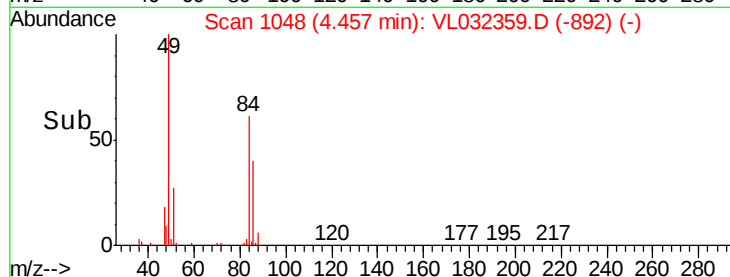
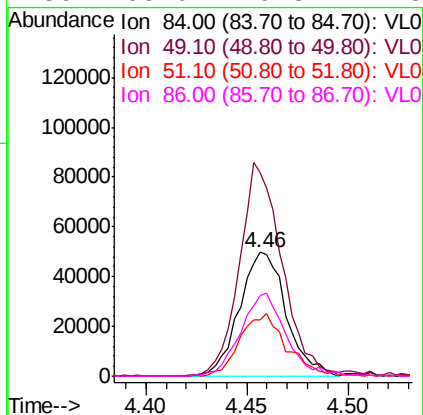
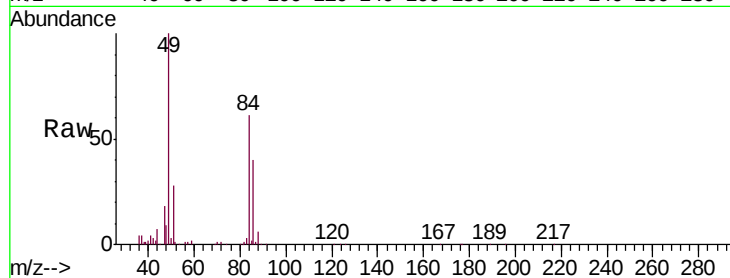




#20
Methylene Chloride
Concen: 1.025 ppbv
RT: 4.46 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VL032359.D
Acq: 15 Aug 2018 19:50

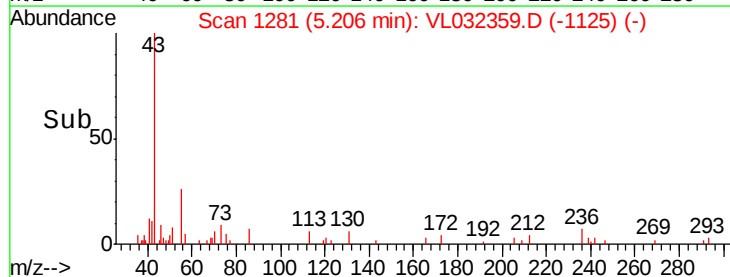
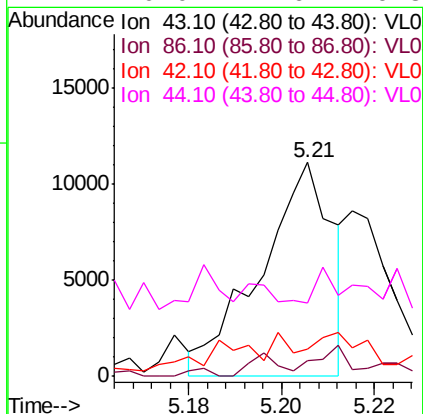
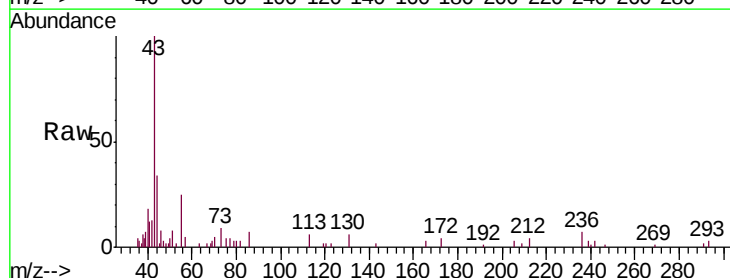
Instrument :
MSVOA_L
ClientSampleId :
1000

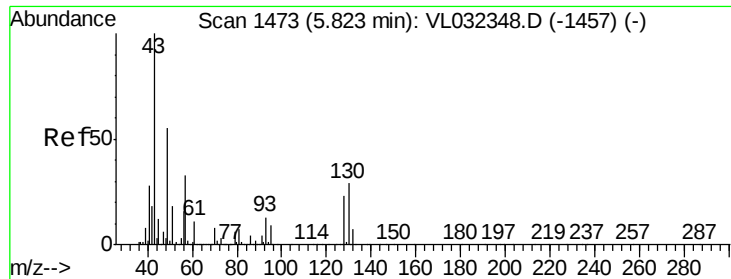
Tgt Ion:	84	Resp:	80871
Ion	Ratio	Lower	Upper
84	100		
49	163.0	117.3	175.9
51	45.5	36.6	55.0
86	65.0	49.8	74.8



#23
Vinyl Acetate
Concen: 0.033 ppbv
RT: 5.21 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VL032359.D
Acq: 15 Aug 2018 19:50

Tgt Ion:	43	Resp:	11974
Ion	Ratio	Lower	Upper
43	100		
86	5.3	5.5	8.3#
42	3.7	7.0	10.6#
44	0.0	4.6	6.8#

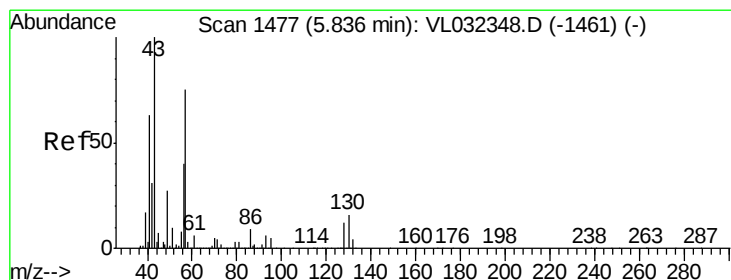
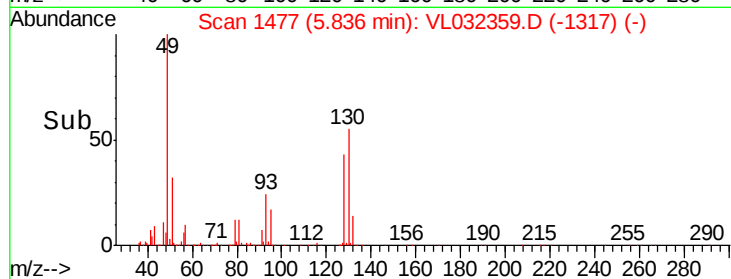
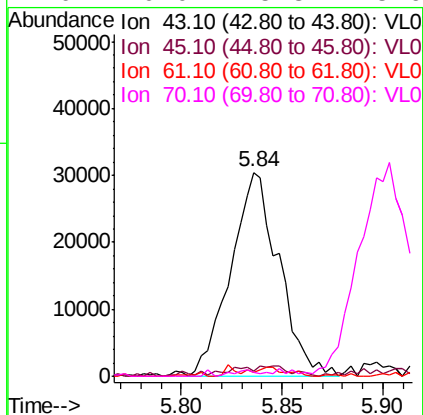
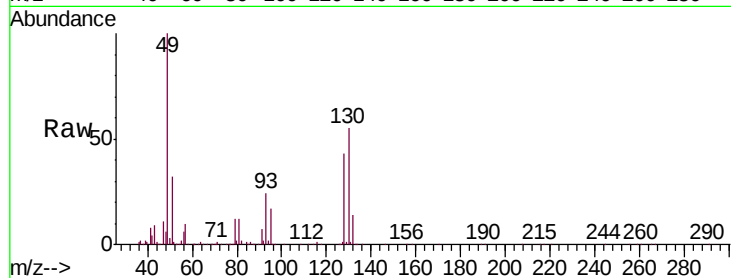




#25
Ethyl Acetate
Concen: 0.114 ppbv
RT: 5.84 min Scan# 1477
Delta R.T. 0.01 min
Lab File: VL032359.D
Acq: 15 Aug 2018 19:50

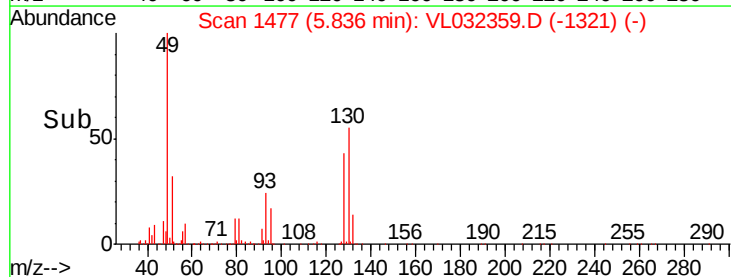
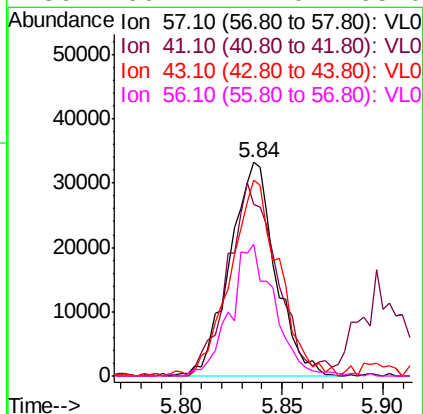
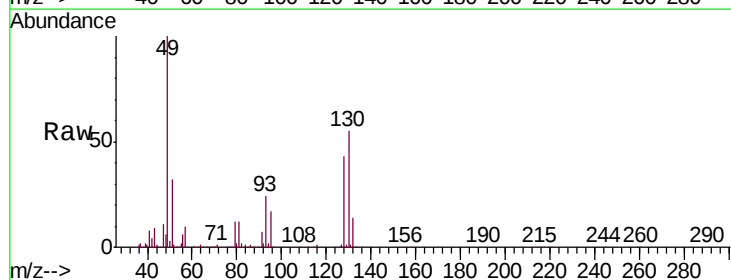
Instrument :
MSVOA_L
ClientSampleId :
1000

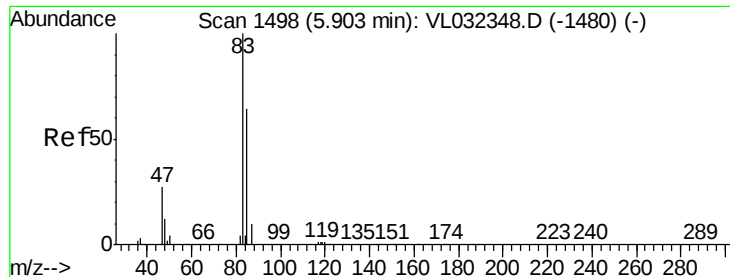
Tgt Ion:	43	Resp:	50854
Ion	Ratio	Lower	Upper
43	100		
45	7.5	7.9	11.9#
61	5.0	7.4	11.2#
70	0.0	5.8	8.6#



#26
Hexane
Concen: 0.263 ppbv
RT: 5.84 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VL032359.D
Acq: 15 Aug 2018 19:50

Tgt Ion:	57	Resp:	52469
Ion	Ratio	Lower	Upper
57	100		
41	97.6	68.0	102.0
43	97.9	175.3	262.9#
56	60.2	42.0	63.0





#29

Chloroform

Concen: 20.324 ppbv

RT: 5.90 min Scan# 1497

Delta R.T. -0.00 min

Lab File: VL032359.D

Acq: 15 Aug 2018 19:50

Instrument :

MSVOA_L

ClientSampleId :

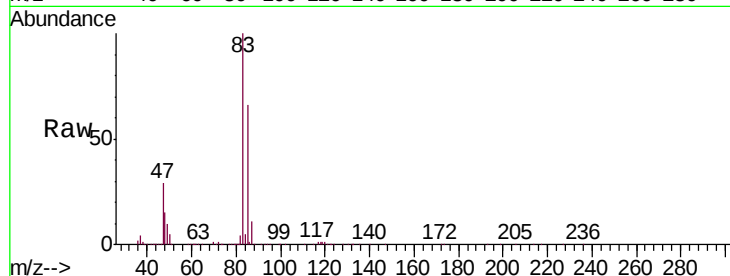
1000

Tgt Ion: 83 Resp: 5947398

Ion Ratio Lower Upper

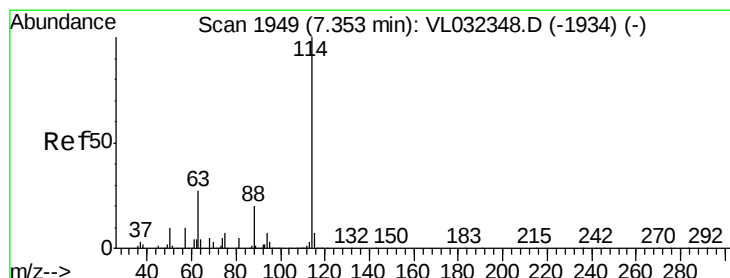
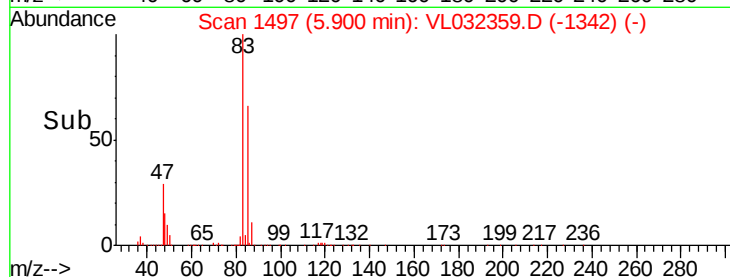
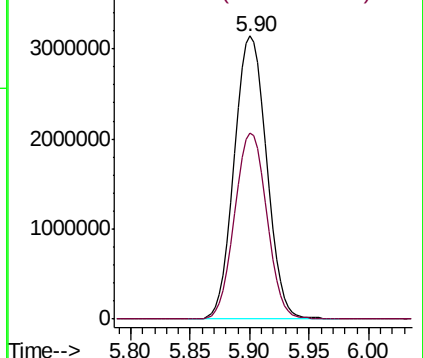
83 100

85 65.9 51.6 77.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.35 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VL032359.D

Acq: 15 Aug 2018 19:50

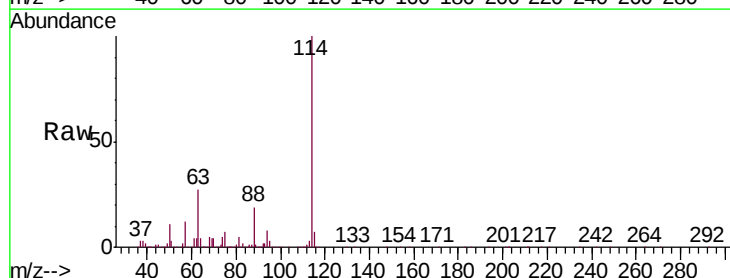
Tgt Ion: 114 Resp: 4295157

Ion Ratio Lower Upper

114 100

63 27.6 22.0 33.0

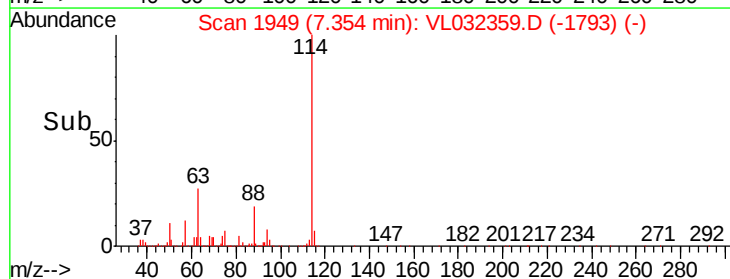
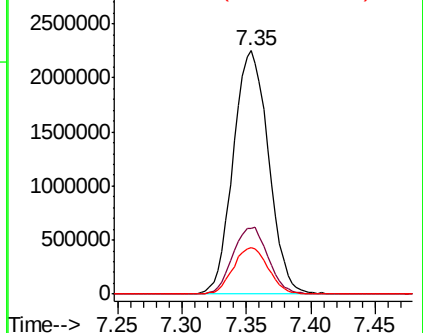
88 19.0 15.3 22.9

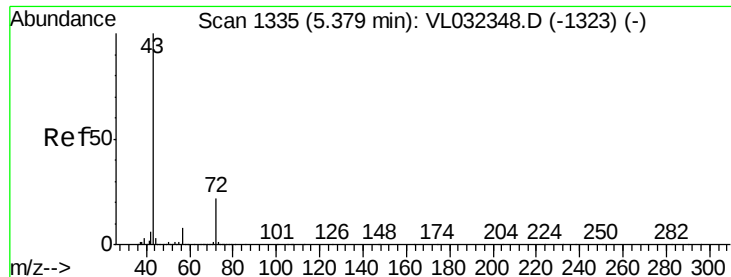


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

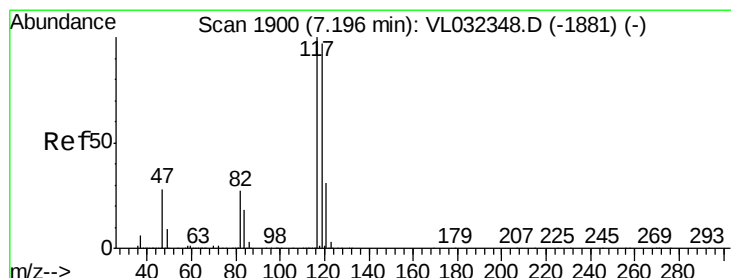
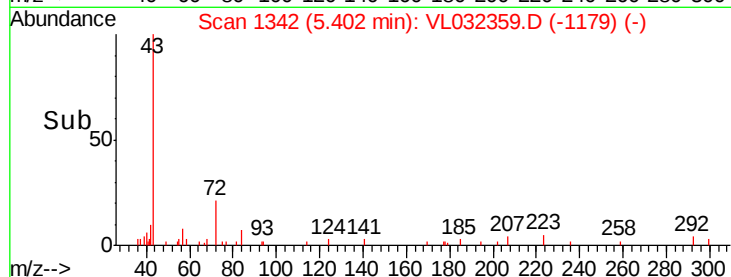
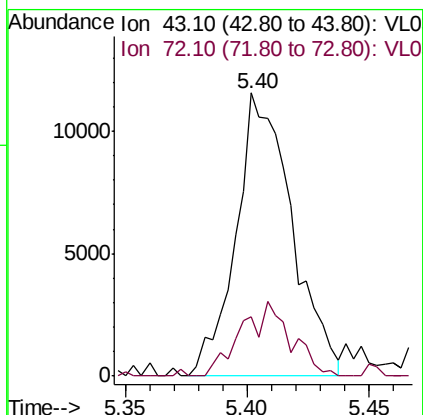
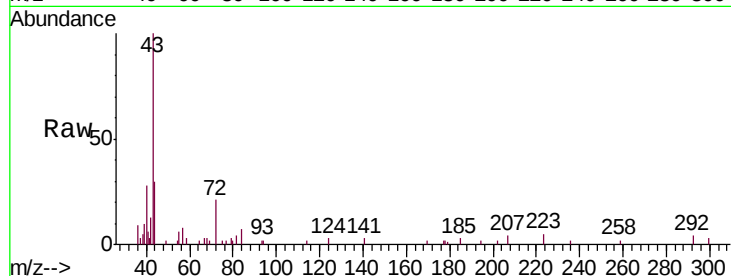




#34
2-Butanone
Concen: 0.063 ppbv
RT: 5.40 min Scan# 1342
Delta R.T. 0.02 min
Lab File: VL032359.D
Acq: 15 Aug 2018 19:50

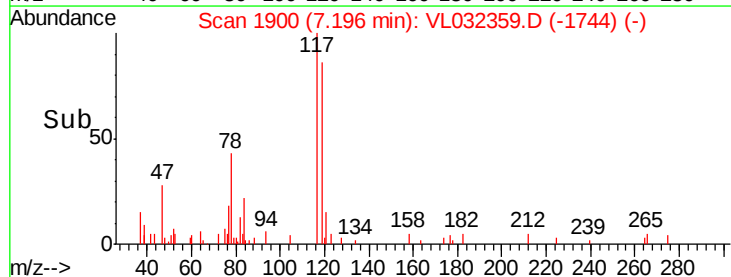
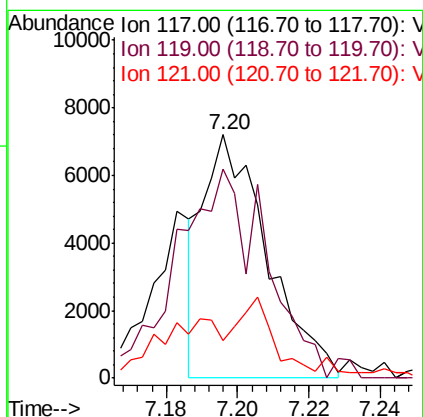
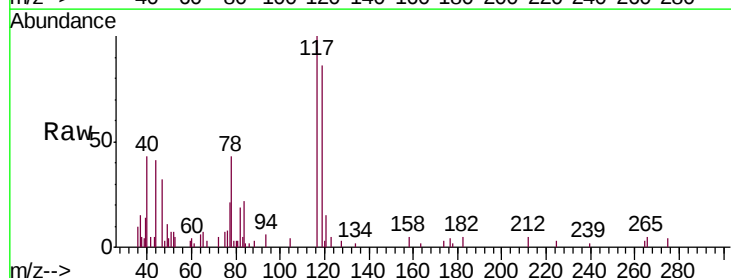
Instrument :
MSVOA_L
ClientSampled :
1000

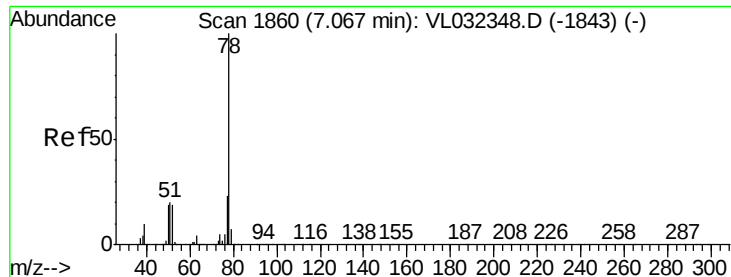
Tgt Ion: 43 Resp: 18364
Ion Ratio Lower Upper
43 100
72 23.8 17.9 26.9



#35
Carbon Tetrachloride
Concen: 0.035 ppbv
RT: 7.20 min Scan# 1900
Delta R.T. 0.00 min
Lab File: VL032359.D
Acq: 15 Aug 2018 19:50

Tgt Ion: 117 Resp: 8967
Ion Ratio Lower Upper
117 100
119 79.3 77.2 115.8
121 9.5 25.1 37.7#





#36

Benzene

Concen: 14.756 ppbv

RT: 7.06 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VL032359.D

Acq: 15 Aug 2018 19:50

Instrument :

MSVOA_L

ClientSampleId :

1000

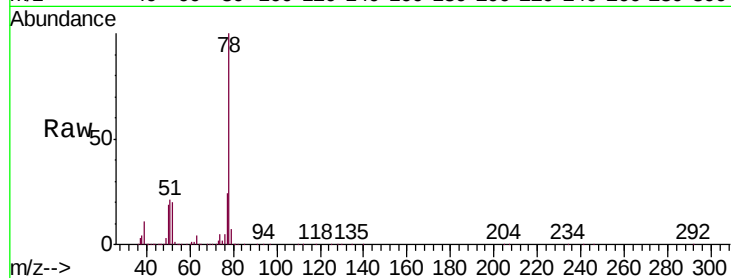
Tgt Ion: 78 Resp: 5373190

Ion Ratio Lower Upper

78 100

77 23.7 18.0 27.0

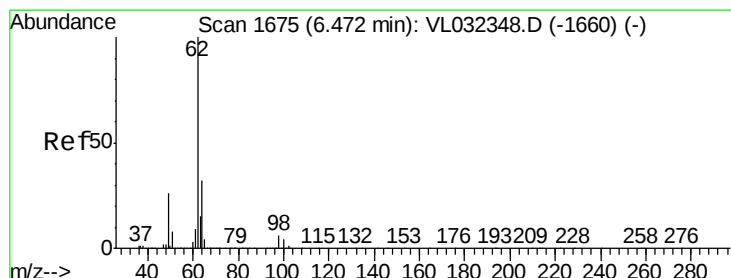
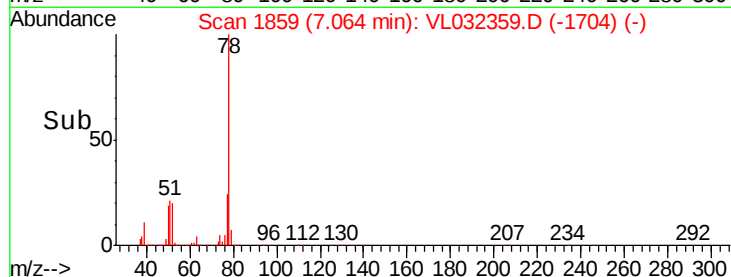
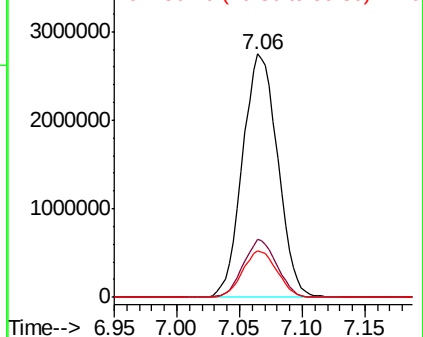
50 18.9 15.1 22.7



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#37

1,2-Dichloroethane

Concen: 12.989 ppbv

RT: 6.47 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VL032359.D

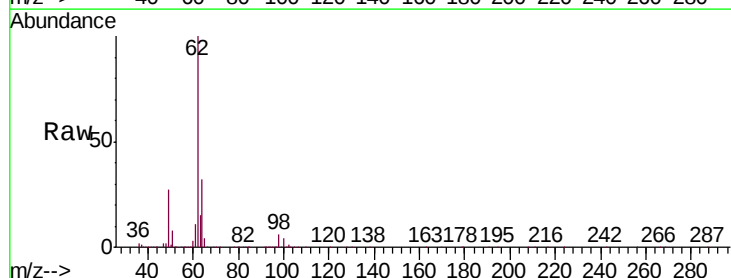
Acq: 15 Aug 2018 19:50

Tgt Ion: 62 Resp: 2869868

Ion Ratio Lower Upper

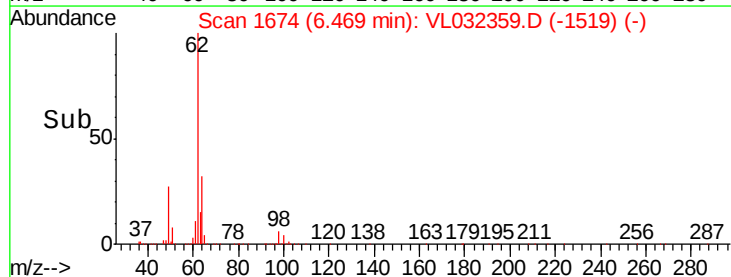
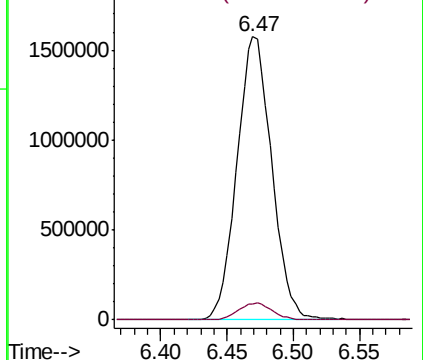
62 100

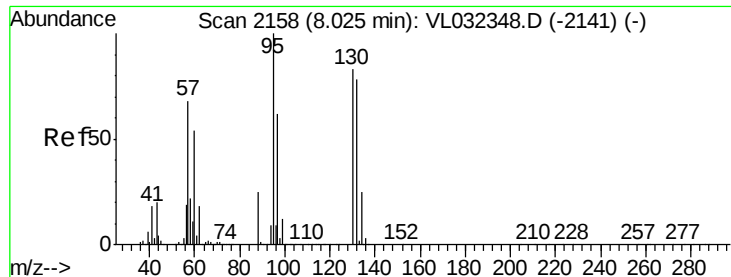
98 6.1 5.0 7.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#38

Trichloroethene

Concen: 0.034 ppbv

RT: 8.02 min Scan# 2156

Delta R.T. -0.01 min

Lab File: VL032359.D

Acq: 15 Aug 2018 19:50

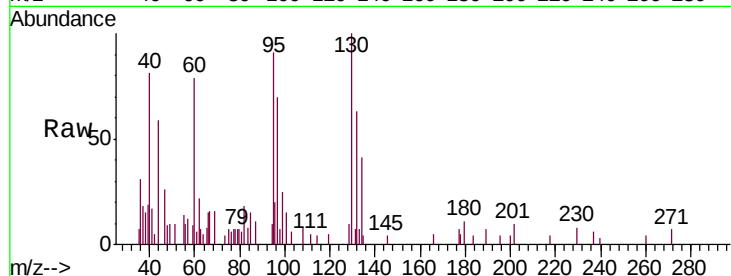
Instrument :

MSVOA_L

ClientSampleId :

1000

Tgt Ion:	130	Resp:	4377
Ion	Ratio	Lower	Upper
130	100		
95	103.2	96.6	144.8
132	49.2	75.5	113.3#
97	64.7	59.8	89.6

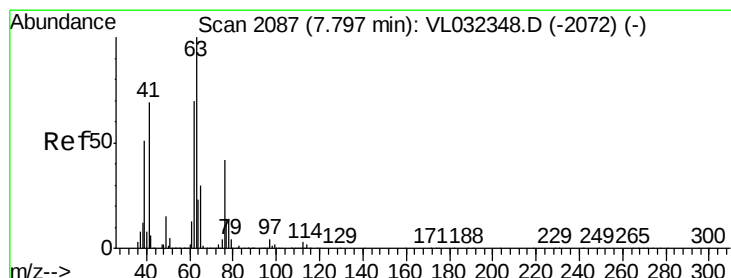
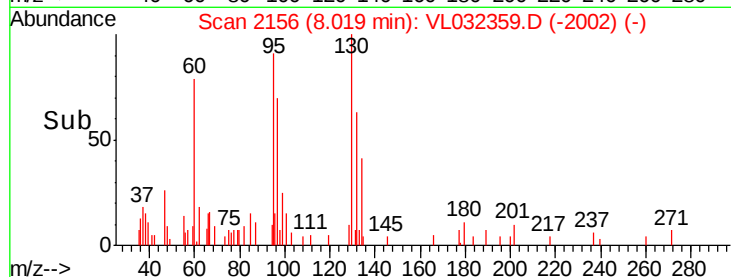
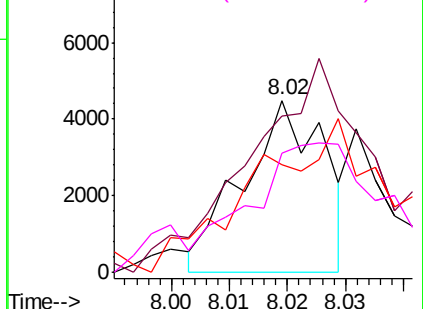


Abundance Ion 130.00 (129.70 to 130.70): V

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: 22.035 ppbv

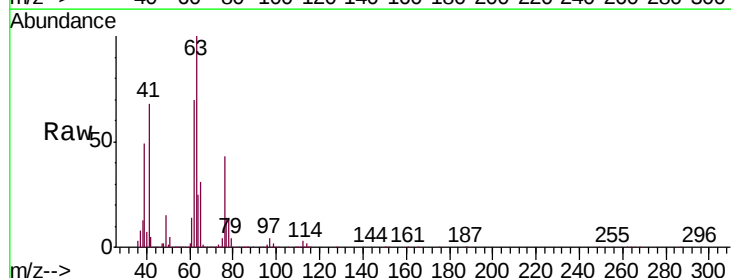
RT: 7.80 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VL032359.D

Acq: 15 Aug 2018 19:50

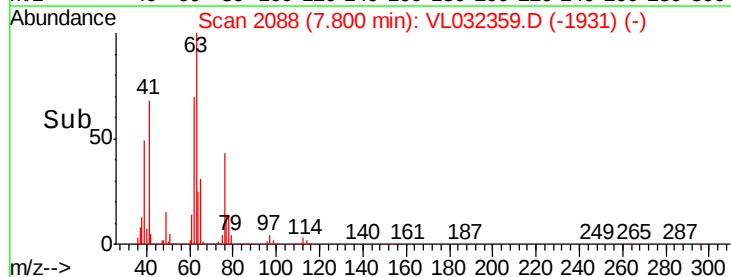
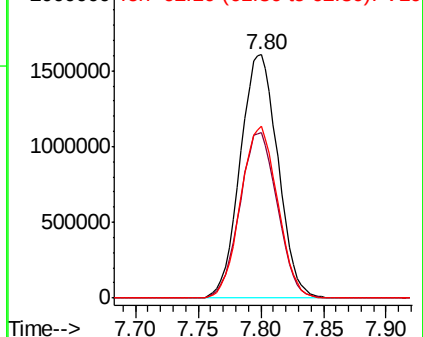
Tgt Ion:	63	Resp:	3351789
Ion	Ratio	Lower	Upper
63	100		
41	67.9	55.5	83.3
62	70.5	56.3	84.5

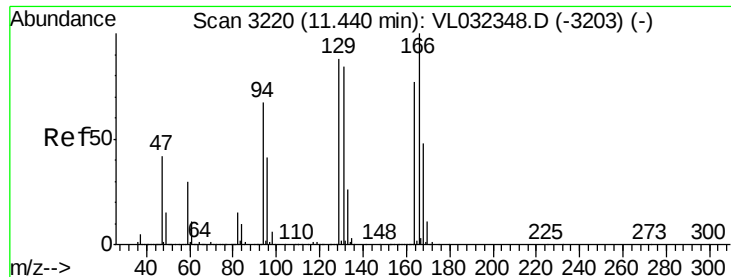


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 16.912 ppbv

RT: 11.45 min Scan# 3222

Delta R.T. 0.01 min

Lab File: VL032359.D

Acq: 15 Aug 2018 19:50

Instrument :

MSVOA_L

ClientSampleId :

1000

Tgt Ion:164 Resp: 1816196

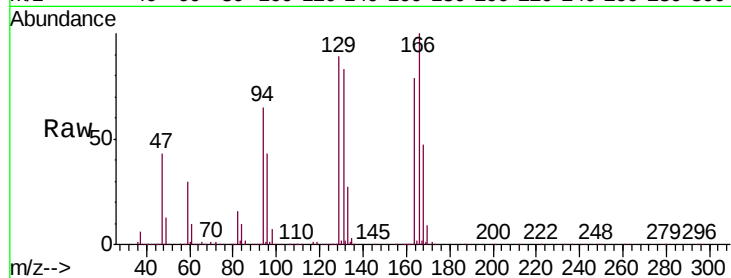
Ion Ratio Lower Upper

164 100

166 125.7 103.5 155.3

129 111.7 90.9 136.3

131 104.0 86.7 130.1

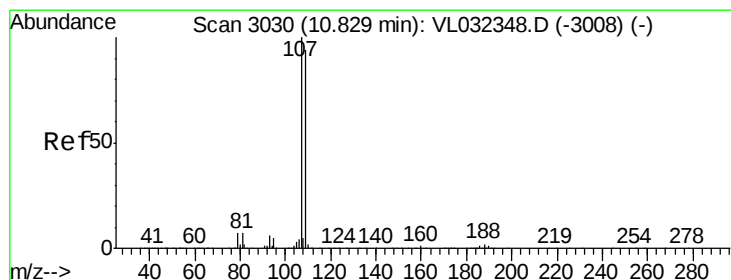
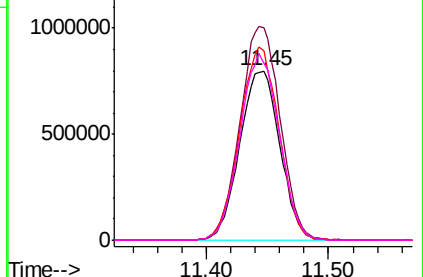
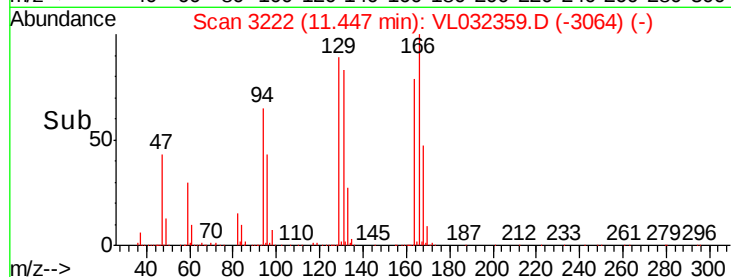


Abundance Ion 163.90 (163.60 to 164.60): V

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



#54

1,2-Dibromoethane

Concen: 25.197 ppbv

RT: 10.83 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VL032359.D

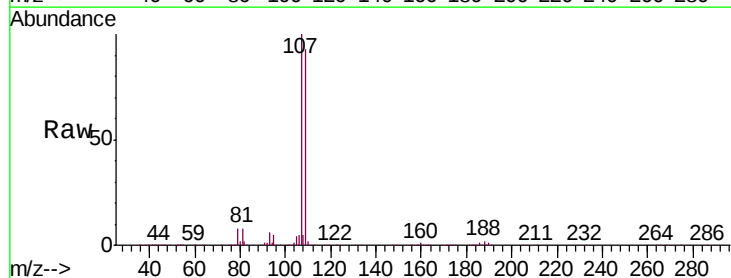
Acq: 15 Aug 2018 19:50

Tgt Ion:107 Resp: 5418141

Ion Ratio Lower Upper

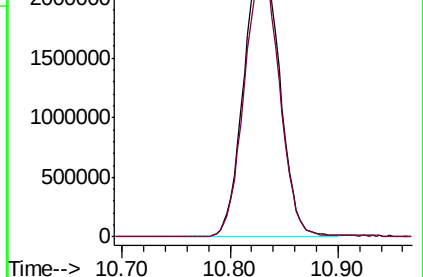
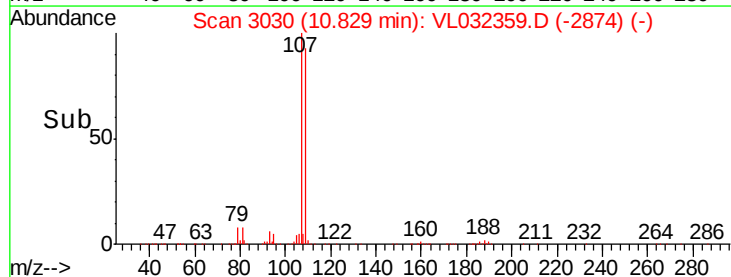
107 100

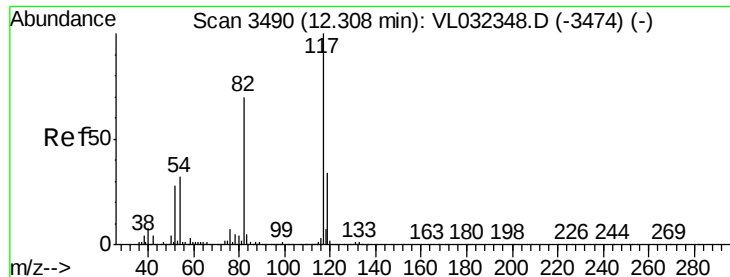
109 93.4 74.9 112.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

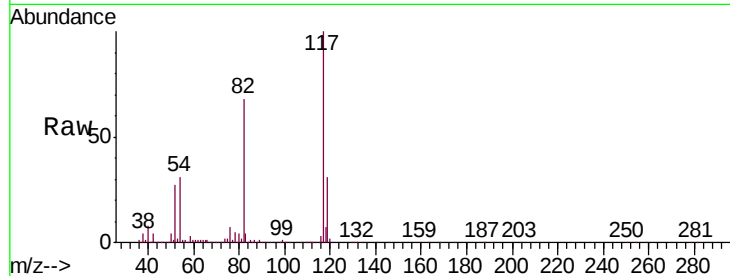




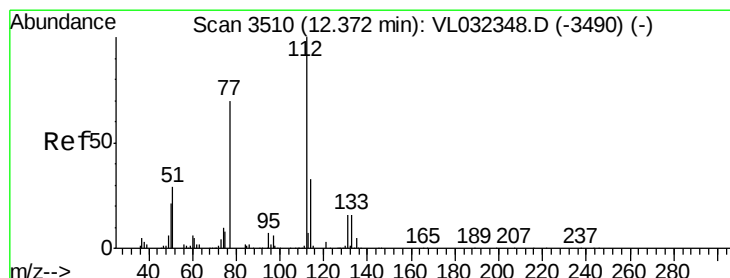
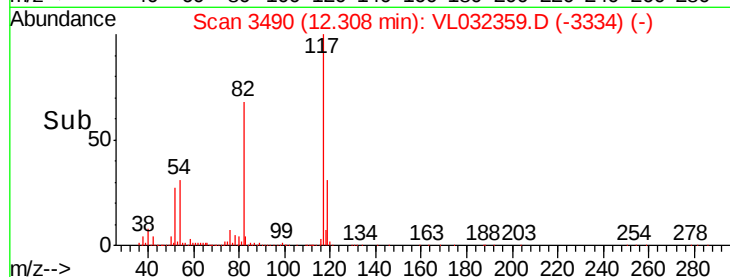
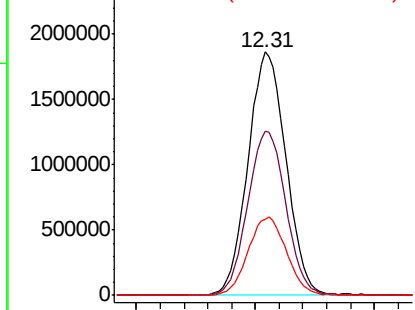
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.31 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VL032359.D
Acq: 15 Aug 2018 19:50

Instrument :
MSVOA_L
ClientSampleId :
1000

Tgt Ion:117 Resp: 4115190
Ion Ratio Lower Upper
117 100
82 67.9 55.1 82.7
119 32.6 46.0 69.0#

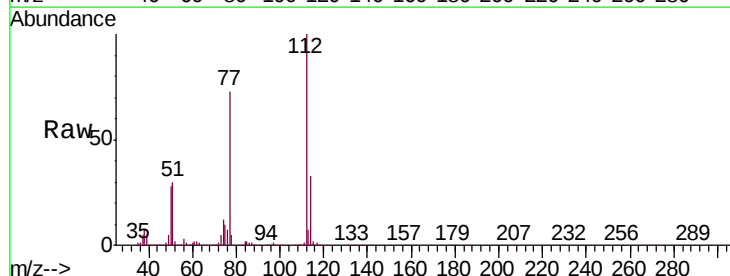


Abundance Ion 117.10 (116.80 to 117.80): V
2500000
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

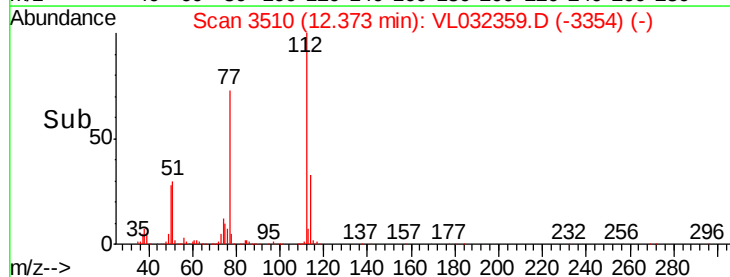
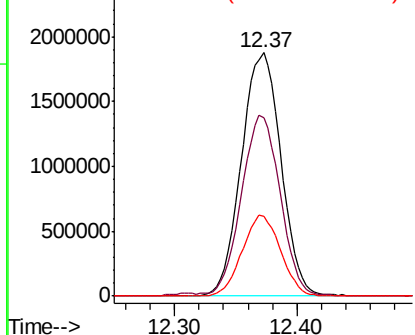


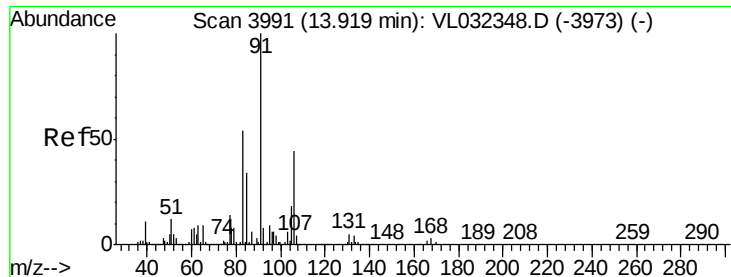
#57
Chlorobenzene
Concen: 13.609 ppbv
RT: 12.37 min Scan# 3510
Delta R.T. 0.00 min
Lab File: VL032359.D
Acq: 15 Aug 2018 19:50

Tgt Ion:112 Resp: 4215695
Ion Ratio Lower Upper
112 100
77 72.8 56.6 84.8
114 32.5 29.4 36.0



Abundance Ion 112.10 (111.80 to 112.80): V
2500000
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

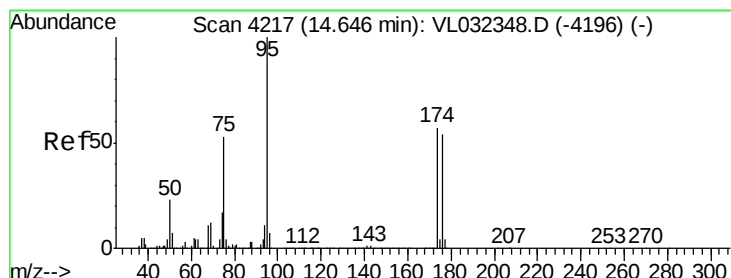
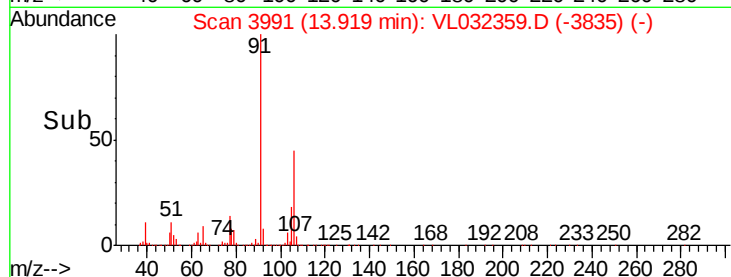
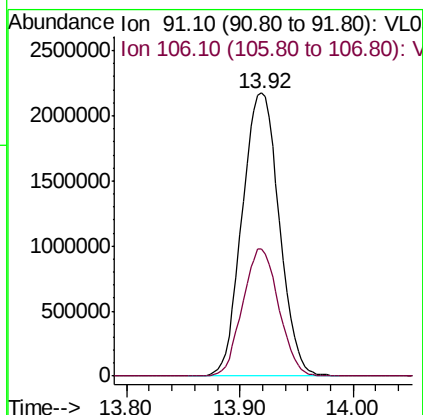
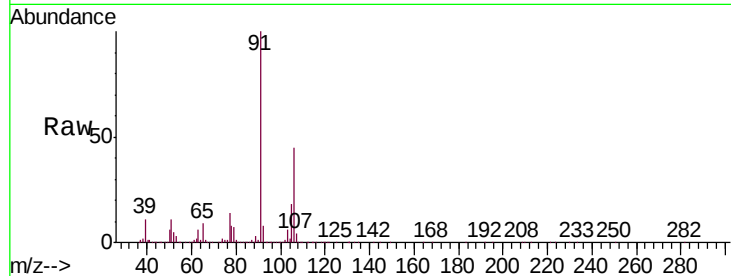




#60
o-Xylene
Concen: 11.999 ppbv
RT: 13.92 min Scan# 3991
Delta R.T. 0.00 min
Lab File: VL032359.D
Acq: 15 Aug 2018 19:50

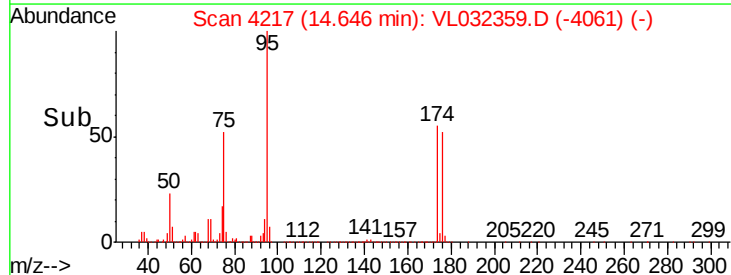
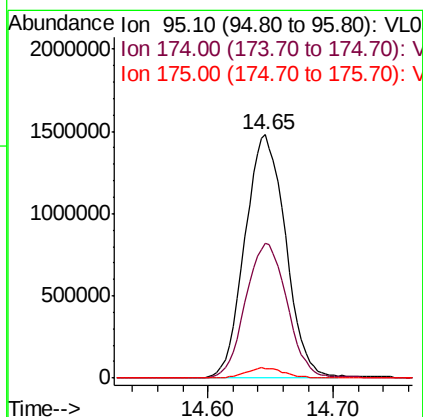
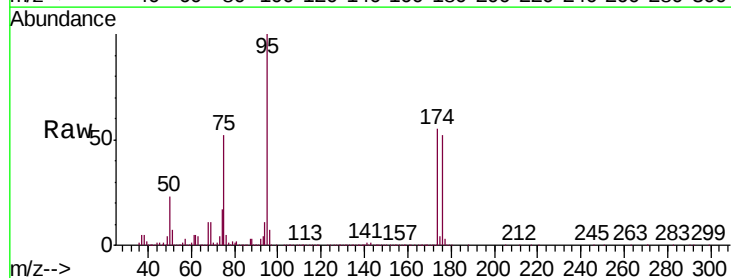
Instrument :
MSVOA_L
ClientSampled :
1000

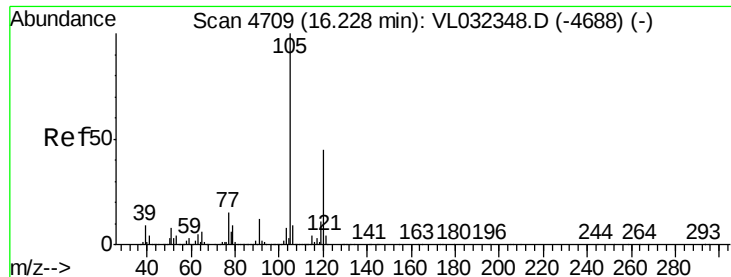
Tgt Ion: 91 Resp: 4960364
Ion Ratio Lower Upper
91 100
106 44.0 22.3 66.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.654 ppbv
RT: 14.65 min Scan# 4217
Delta R.T. 0.00 min
Lab File: VL032359.D
Acq: 15 Aug 2018 19:50

Tgt Ion: 95 Resp: 3344821
Ion Ratio Lower Upper
95 100
174 57.1 46.2 69.4
175 4.1 3.4 5.0





#73

1,3,5-Trimethylbenzene

Concen: 0.070 ppbv

RT: 16.22 min Scan# 4708

Delta R.T. -0.00 min

Lab File: VL032359.D

Acq: 15 Aug 2018 19:50

Instrument :

MSVOA_L

ClientSampleId :

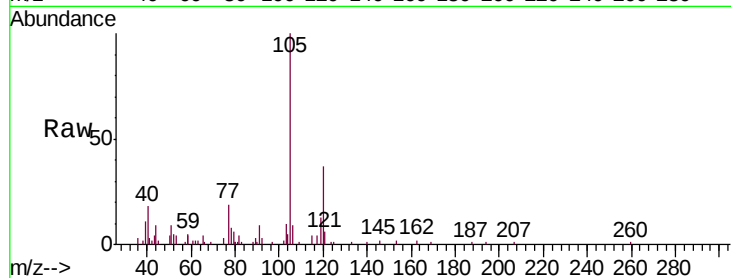
1000

Tgt Ion:105 Resp: 30853

Ion Ratio Lower Upper

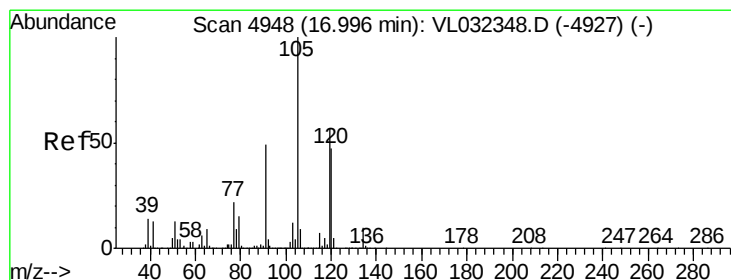
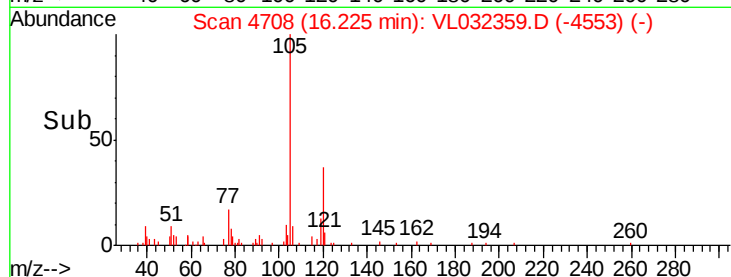
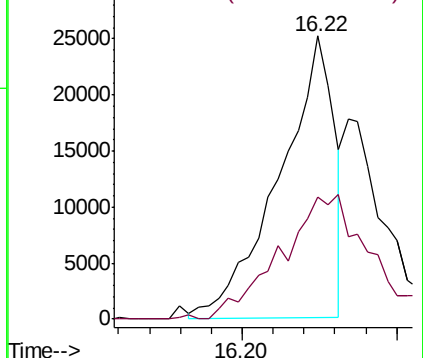
105 100

120 42.4 36.3 54.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.170 ppbv

RT: 16.99 min Scan# 4947

Delta R.T. -0.00 min

Lab File: VL032359.D

Acq: 15 Aug 2018 19:50

Tgt Ion:105 Resp: 80021

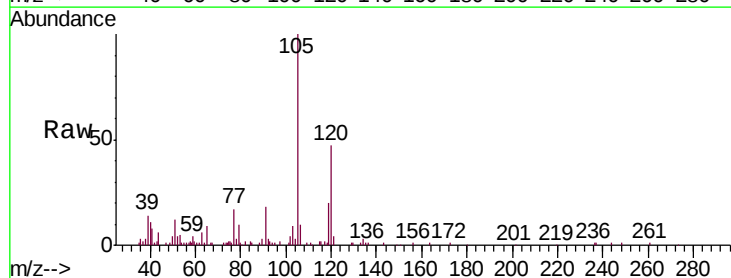
Ion Ratio Lower Upper

105 100

120 47.0 37.6 56.4

91 17.0 39.9 59.9#

77 16.3 17.8 26.8#

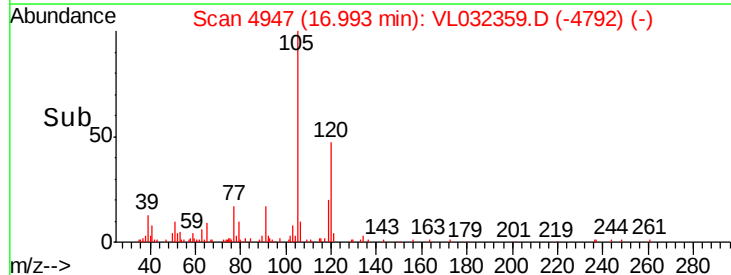
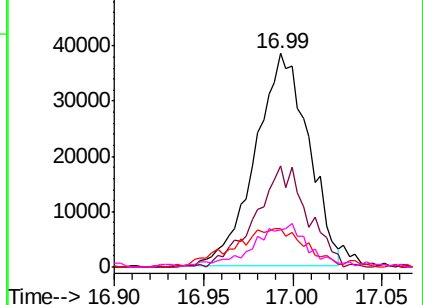


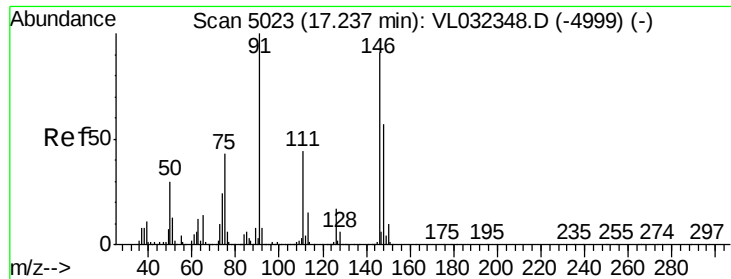
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

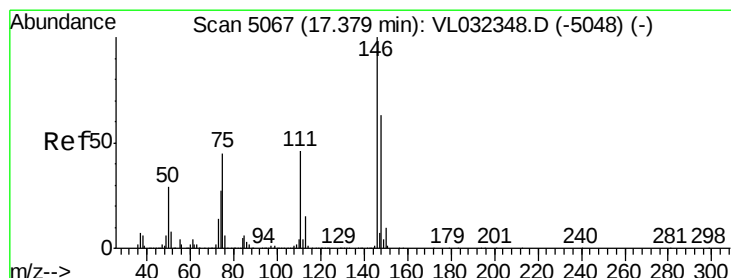
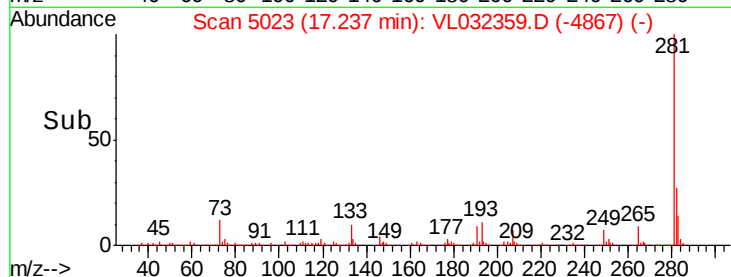
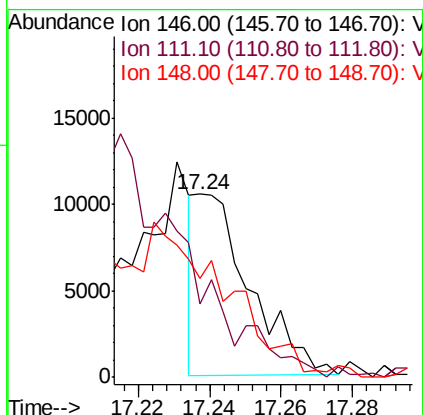
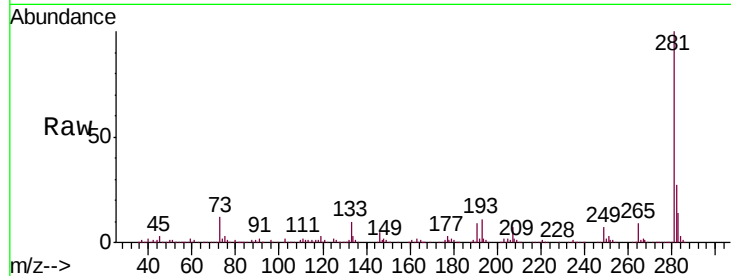




#75
 1,3-Dichlorobenzene
 Concen: 0.039 ppbv
 RT: 17.24 min Scan# 5023
 Delta R.T. 0.00 min
 Lab File: VL032359.D
 Acq: 15 Aug 2018 19:50

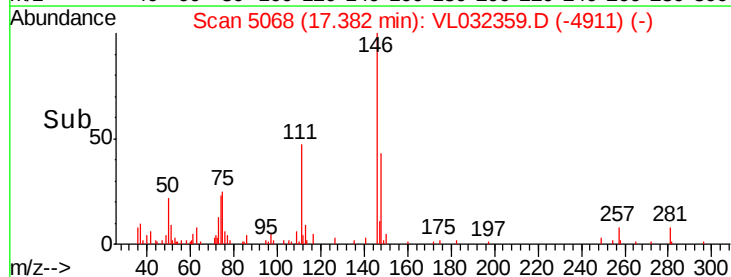
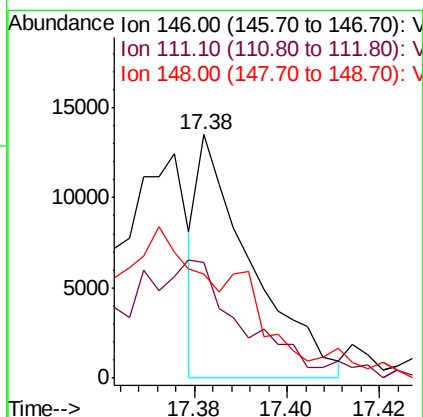
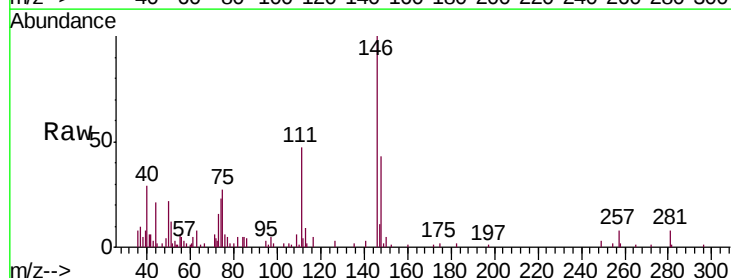
Instrument :
 MSVOA_L
 ClientSampleId :
 1000

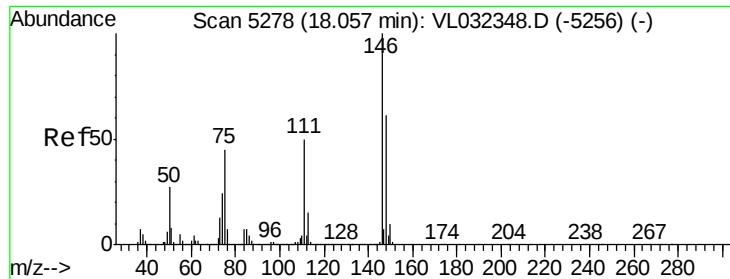
Tgt Ion:146 Resp: 11070
 Ion Ratio Lower Upper
 146 100
 111 0.0 24.6 73.8#
 148 0.0 32.0 96.0#



#76
 1,4-Dichlorobenzene
 Concen: 0.040 ppbv
 RT: 17.38 min Scan# 5068
 Delta R.T. 0.00 min
 Lab File: VL032359.D
 Acq: 15 Aug 2018 19:50

Tgt Ion:146 Resp: 10796
 Ion Ratio Lower Upper
 146 100
 111 121.8 23.8 71.4#
 148 0.0 32.2 96.6#

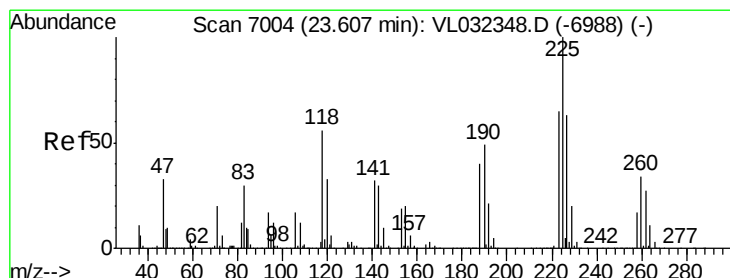
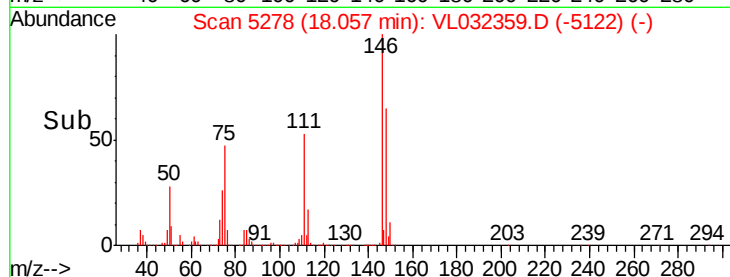
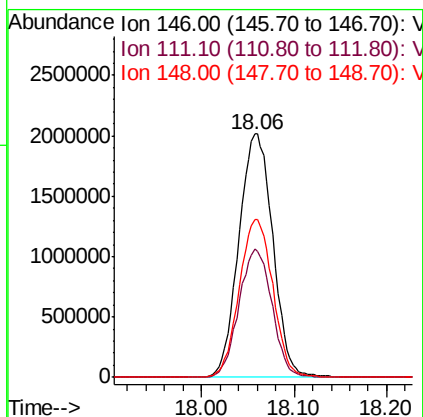
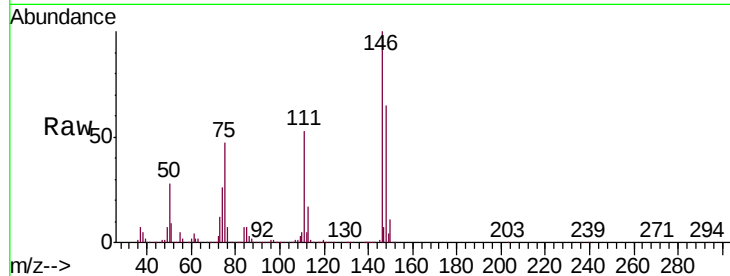




#77
 1,2-Dichlorobenzene
 Concen: 18.927 ppbv
 RT: 18.06 min Scan# 5278
 Delta R.T. 0.00 min
 Lab File: VL032359.D
 Acq: 15 Aug 2018 19:50

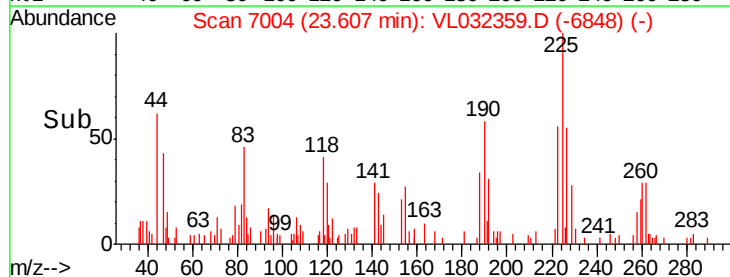
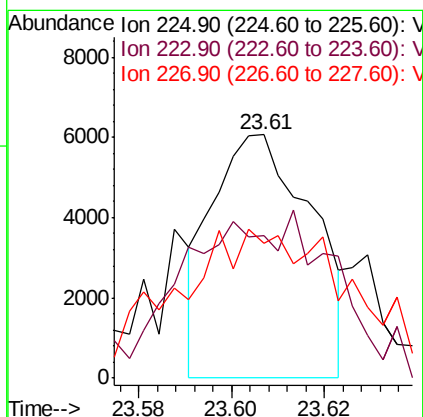
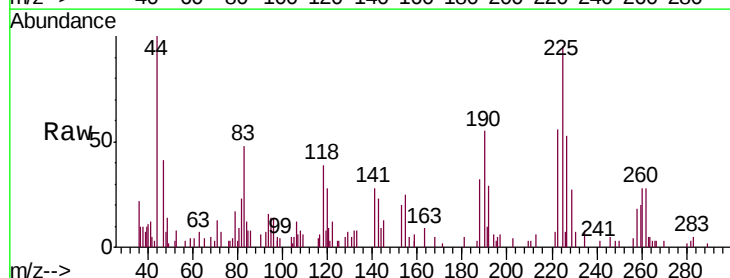
Instrument :
 MSVOA_L
 ClientSampleId :
 1000

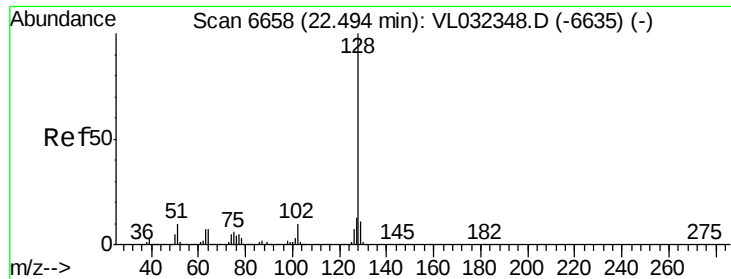
Tgt Ion:146 Resp: 5128506
 Ion Ratio Lower Upper
 146 100
 111 51.4 25.2 75.6
 148 64.3 31.8 95.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.099 ppbv
 RT: 23.61 min Scan# 7004
 Delta R.T. 0.00 min
 Lab File: VL032359.D
 Acq: 15 Aug 2018 19:50

Tgt Ion:225 Resp: 9044
 Ion Ratio Lower Upper
 225 100
 223 108.5 50.6 76.0#
 227 108.0 51.0 76.6#





#79

Naphthalene

Concen: 0.344 ppbv

RT: 22.50 min Scan# 6659

Delta R.T. 0.00 min

Lab File: VL032359.D

Acq: 15 Aug 2018 19:50

Instrument :

MSVOA_L

ClientSampleId :

1000

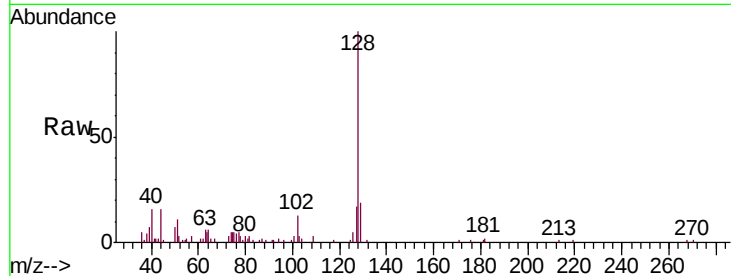
Tgt Ion:128 Resp: 7775

Ion Ratio Lower Upper

128 100

127 82.1 10.3 15.5#

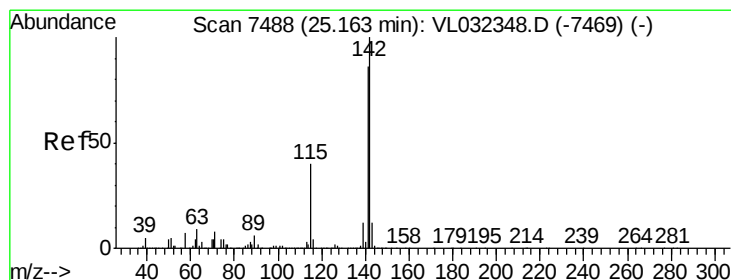
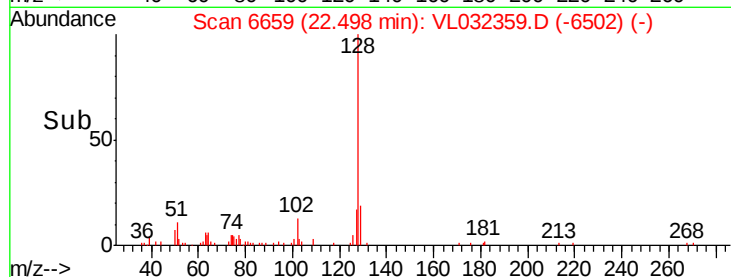
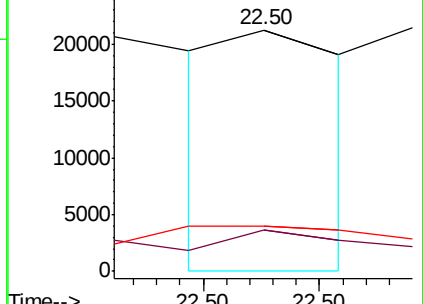
129 15.3 8.6 13.0#



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.299 ppbv

RT: 25.17 min Scan# 7490

Delta R.T. 0.01 min

Lab File: VL032359.D

Acq: 15 Aug 2018 19:50

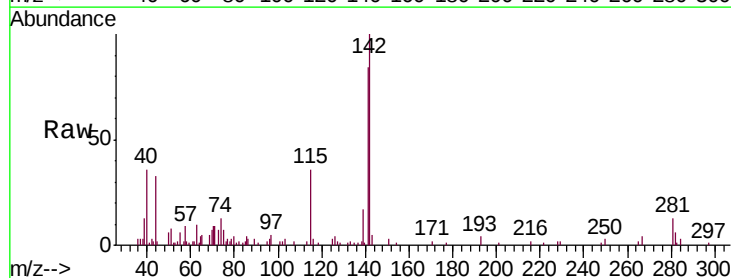
Tgt Ion:142 Resp: 28177

Ion Ratio Lower Upper

142 100

141 76.4 66.7 100.1

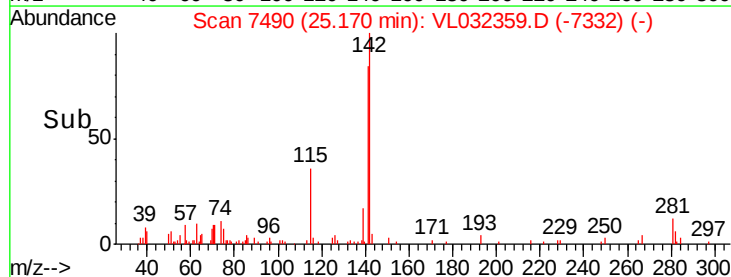
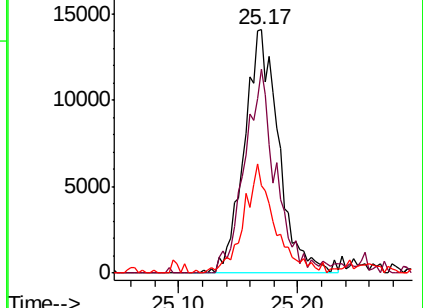
115 40.2 31.0 46.6

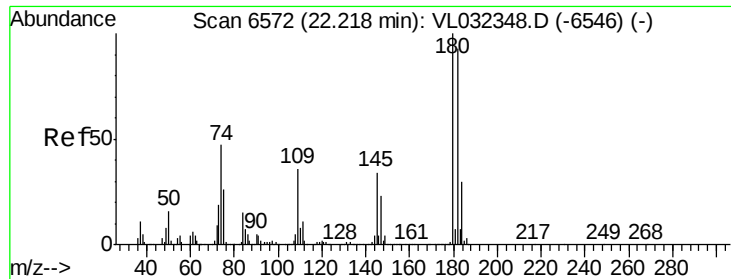


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

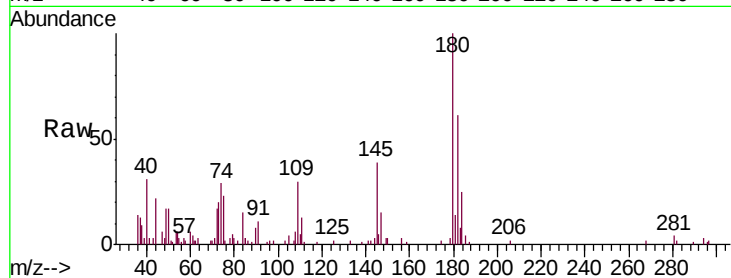




#81
 1,2,4-Trichlorobenzene
 Concen: 0.158 ppbv
 RT: 22.22 min Scan# 6572
 Delta R.T. 0.00 min
 Lab File: VL032359.D
 Acq: 15 Aug 2018 19:50

Instrument :
 MSVOA_L
 ClientSampleId :
 1000

Tgt Ion:180 Resp: 28866
 Ion Ratio Lower Upper
 180 100
 182 119.2 76.1 114.1#
 184 41.4 24.2 36.2#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

