

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071718\
 Data File : VV006620.D
 Acq On : 17 Jul 2018 16:21
 Operator : SY/MD
 Sample : J3983-01
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DB168

Quant Time: Jul 18 03:06:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 17 15:32:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	230403	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	214826	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	105096	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	97451	4.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.80%
7) Chloroethane-d5	1.57	69	71536	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	2.13	63	182663	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.60%
20) 2-Butanone-d5	3.95	46	149915	48.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.20%
24) Chloroform-d	4.40	84	155938	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.09	65	76379	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
32) Benzene-d6	5.10	84	323654	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.12	67	103462	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.00%
41) Toluene-d8	7.36	98	286811	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
43) trans-1,3-Dichloropropene-	7.67	79	35041	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
46) 2-Hexanone-d5	8.14	63	184413	42.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.84%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	78609	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	108476	4.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	55193	2.359 ug/L	98
3) Chloromethane	1.27	50	175950	6.771 ug/L	99
5) Vinyl chloride	1.32	62	133375	4.817 ug/L	99
6) Bromomethane	1.52	94	55230	5.018 ug/L	98
8) Chloroethane	1.59	64	69104	4.444 ug/L	98
9) Trichlorofluoromethane	1.76	101	295547	9.750 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	88344	4.877 ug/L	99
12) 1,1-Dichloroethene	2.14	96	110712	5.999 ug/L	92
13) Acetone	2.19	43	2366	0.768 ug/L	89
16) Methylene chloride	2.54	84	73832	3.199 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	252623	5.308 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	136522	6.730 ug/L	98
21) 2-Butanone	4.02	43	5233	0.970 ug/L #	52
22) cis-1,2-Dichloroethene	3.96	96	138099	6.489 ug/L	99
23) Bromochloromethane	4.30	128	18392	2.121 ug/L	95
25) Chloroform	4.43	83	168662	4.781 ug/L	98
27) 1,2-Dichloroethane	5.19	62	106563	5.096 ug/L	99

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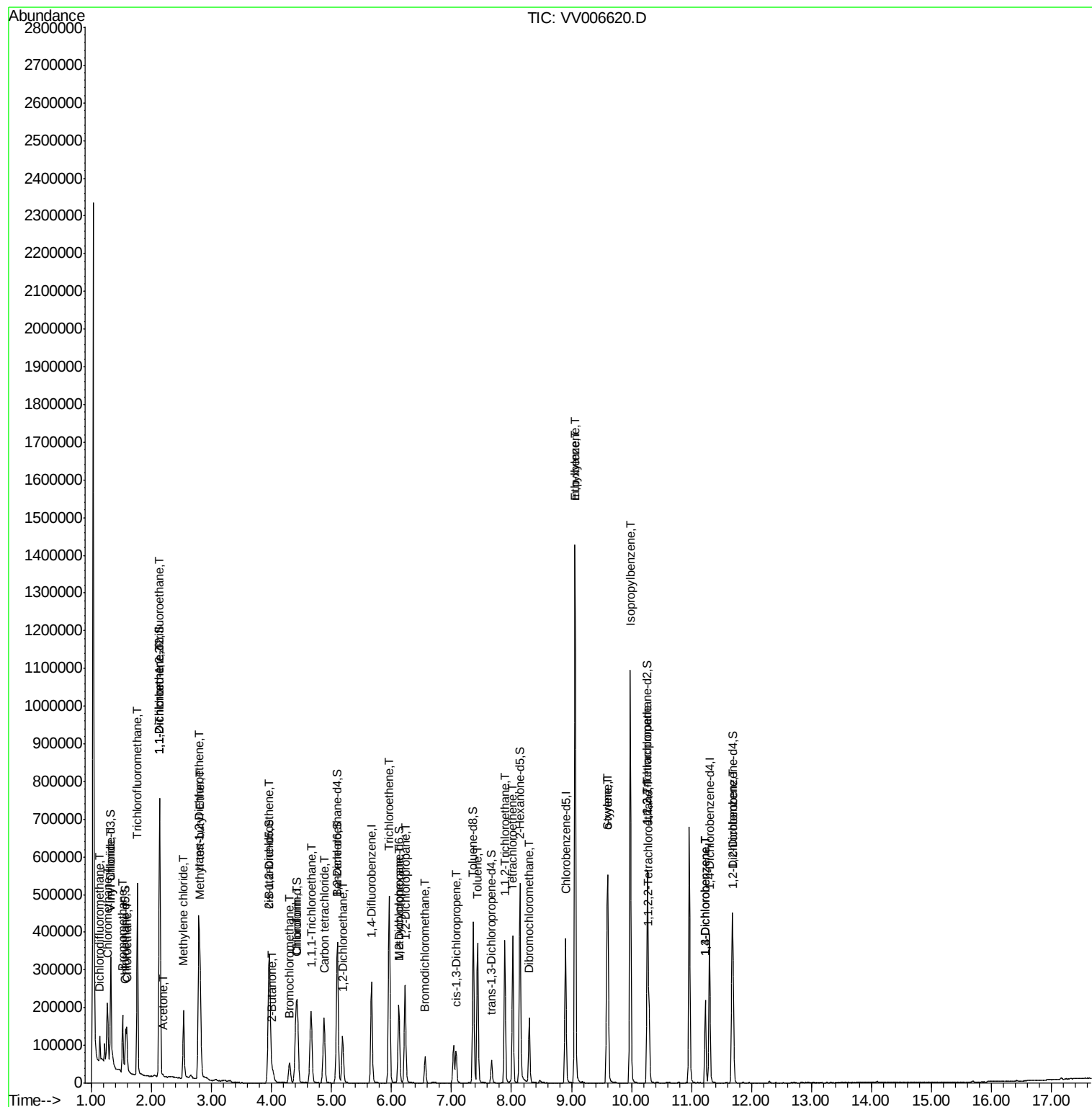
29) 1,1,1-Trichloroethane	4.66	97	153515	5.446	ug/L	99
31) Carbon tetrachloride	4.87	117	130895	5.601	ug/L	100
34) Trichloroethene	5.96	95	174844	8.773	ug/L	99
35) Methylcyclohexane	6.12	83	23975	0.761	ug/L #	18
37) 1,2-Dichloropropane	6.23	63	106357	5.192	ug/L	100
38) Bromodichloromethane	6.56	83	48074	2.087	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	49047	1.810	ug/L	99
42) Toluene	7.43	91	272596	3.293	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	122158	8.497	ug/L	99
47) Tetrachloroethene	8.02	164	89528	5.626	ug/L	98
49) Dibromochloromethane	8.30	129	88679	6.084	ug/L	100
52) Ethylbenzene	9.06	91	1003400	11.467	ug/L	99
53) m,p-xylene	9.06	106	312677	9.301	ug/L #	22
54) o-xylene	9.59	106	108177	3.305	ug/L	100
55) Styrene	9.61	104	186916	3.329	ug/L	100
56) Isopropylbenzene	9.98	105	701500	8.377	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	88086	4.951	ug/L	100
59) 1,2,3-Trichloropropane	10.27	75	13251	1.039	ug/L #	1
62) 1,3-Dichlorobenzene	11.23	146	90631	2.247	ug/L	100
63) 1,4-Dichlorobenzene	11.23	146	90631	2.203	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	86464	2.175	ug/L	99

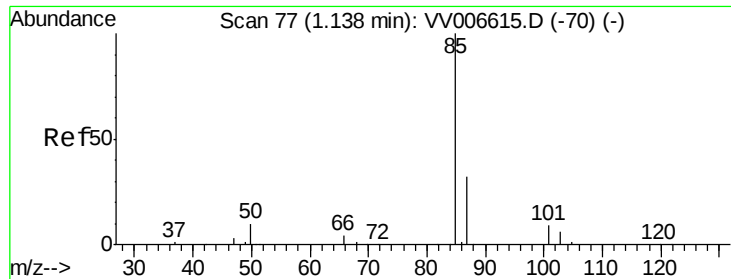
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.359 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

Instrument :

MSVOA_V

ClientSampleId :

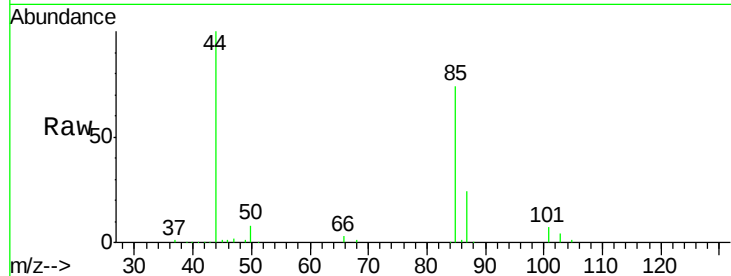
DB168

Tgt Ion: 85 Resp: 55193

Ion Ratio Lower Upper

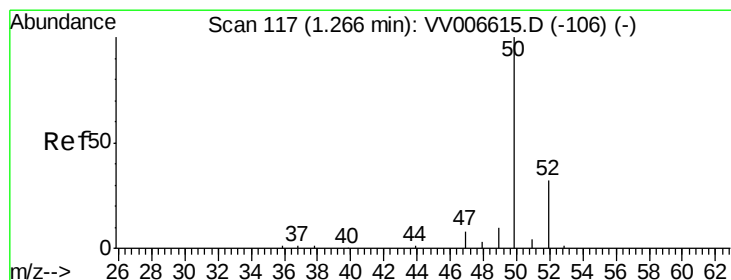
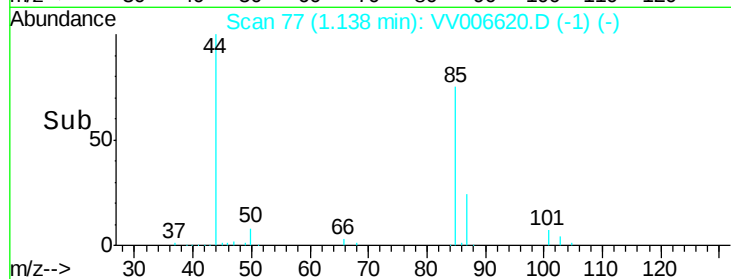
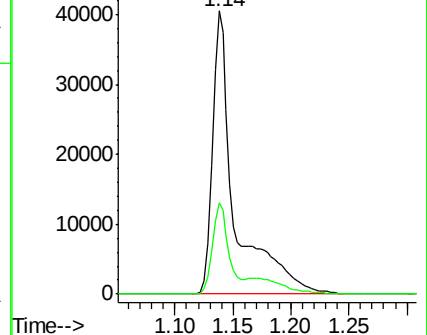
85 100

87 24.1 18.3 27.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 6.771 ug/L

RT: 1.27 min Scan# 117

Delta R.T. -0.00 min

Lab File: VV006620.D

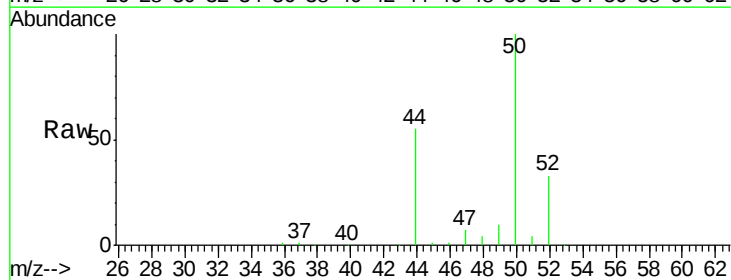
Acq: 17 Jul 2018 16:21

Tgt Ion: 50 Resp: 175950

Ion Ratio Lower Upper

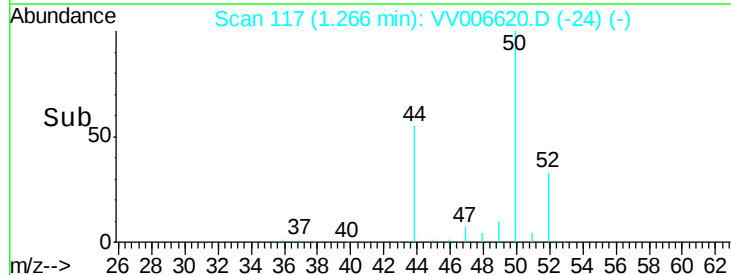
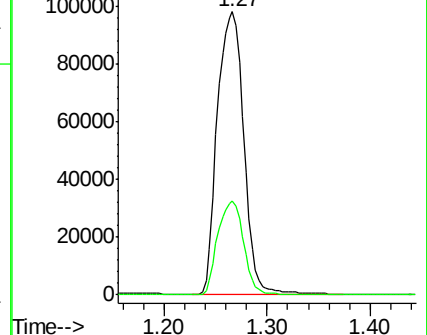
50 100

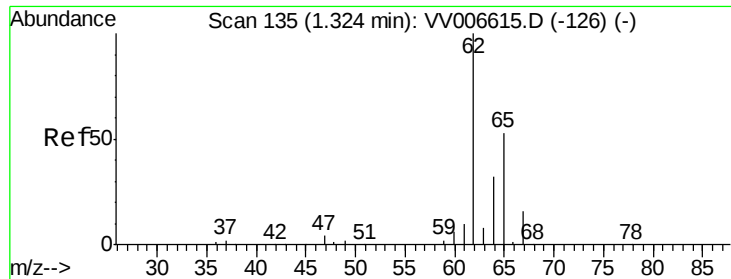
52 33.1 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.817 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

Instrument :

MSVOA_V

ClientSampleId :

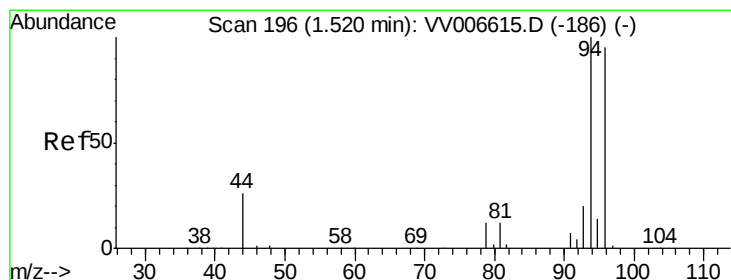
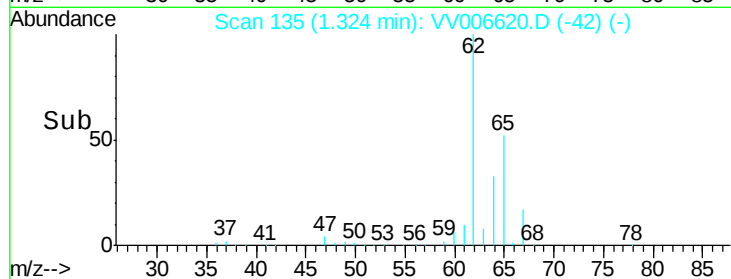
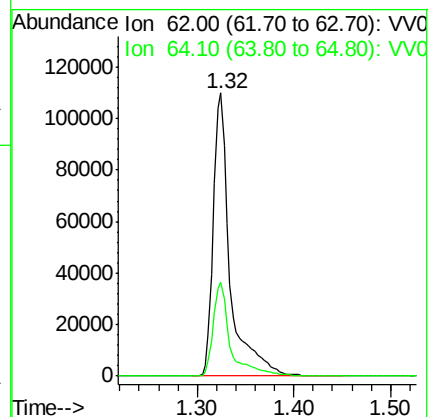
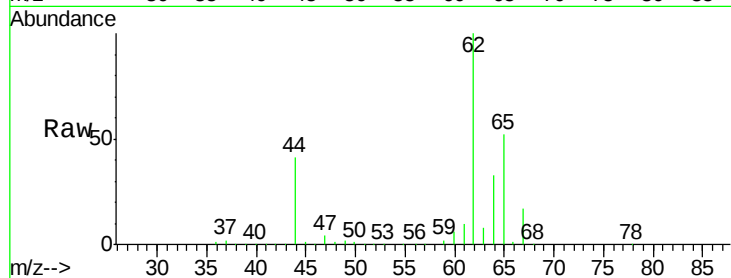
DB168

Tgt Ion: 62 Resp: 133375

Ion Ratio Lower Upper

62 100

64 33.0 22.6 42.0



#6

Bromomethane

Concen: 5.018 ug/L

RT: 1.52 min Scan# 195

Delta R.T. -0.00 min

Lab File: VV006620.D

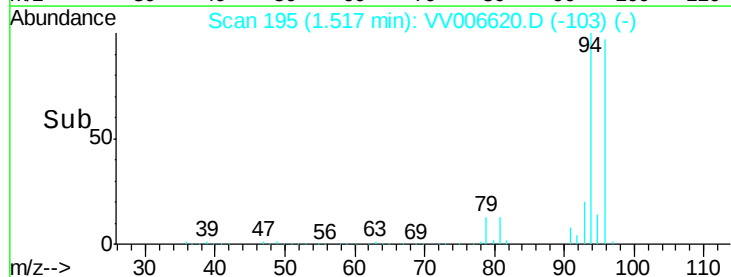
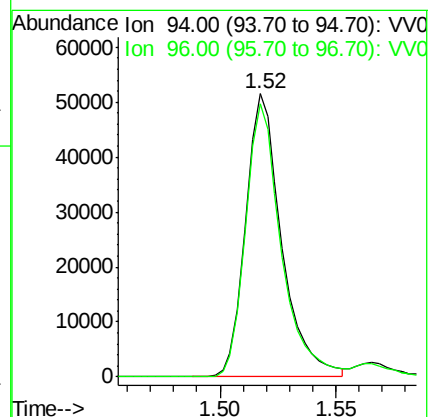
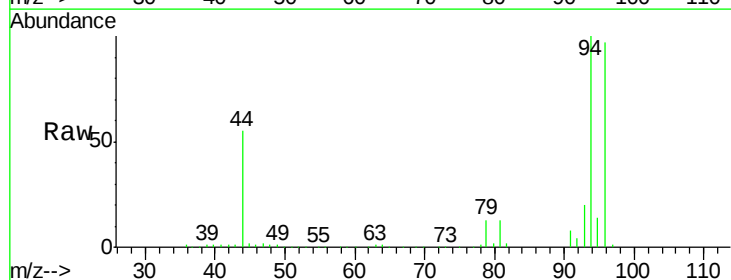
Acq: 17 Jul 2018 16:21

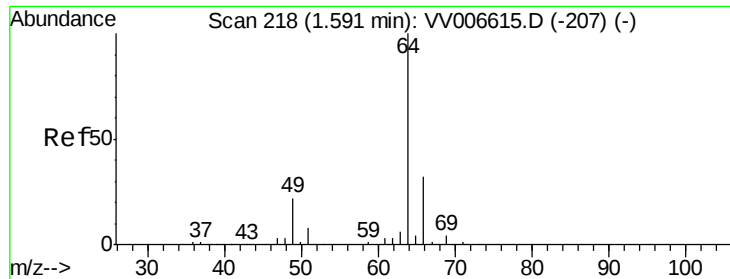
Tgt Ion: 94 Resp: 55230

Ion Ratio Lower Upper

94 100

96 96.6 66.2 123.0





#8

Chloroethane

Concen: 4.444 ug/L

RT: 1.59 min Scan# 217

Delta R.T. -0.00 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

Instrument :

MSVOA_V

ClientSampleId :

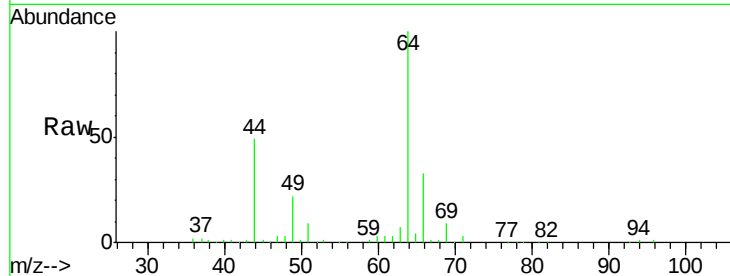
DB168

Tgt Ion: 64 Resp: 69104

Ion Ratio Lower Upper

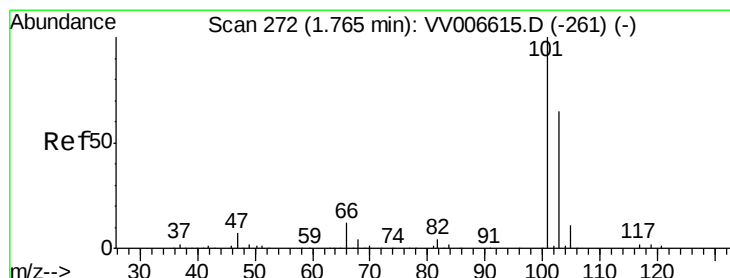
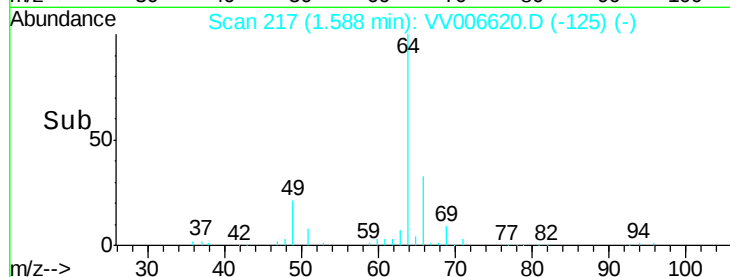
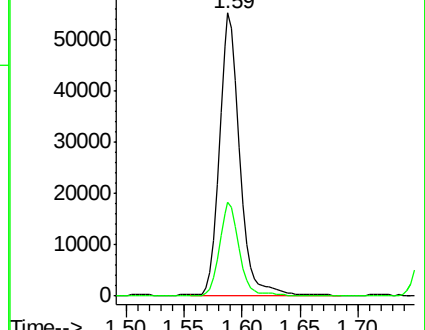
64 100

66 33.1 22.5 41.9



Abundance Ion 64.10 (63.80 to 64.80): VV006615.D (-207) (-)

Ion 66.05 (65.75 to 66.75): VV006615.D (-207) (-)



#9

Trichlorofluoromethane

Concen: 9.750 ug/L

RT: 1.76 min Scan# 272

Delta R.T. -0.00 min

Lab File: VV006620.D

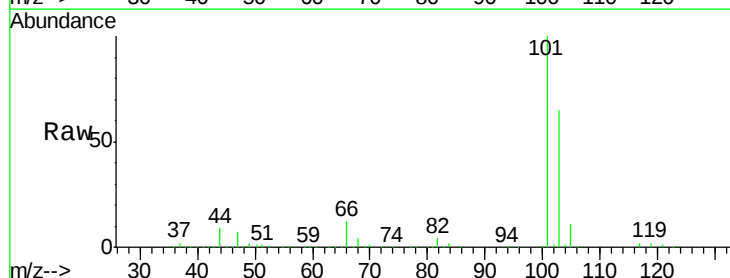
Acq: 17 Jul 2018 16:21

Tgt Ion: 101 Resp: 295547

Ion Ratio Lower Upper

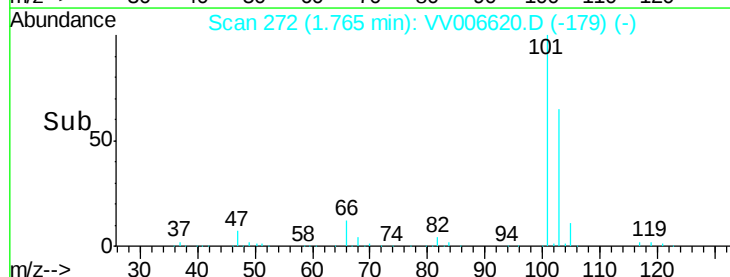
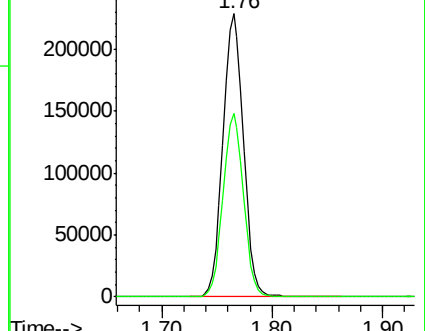
101 100

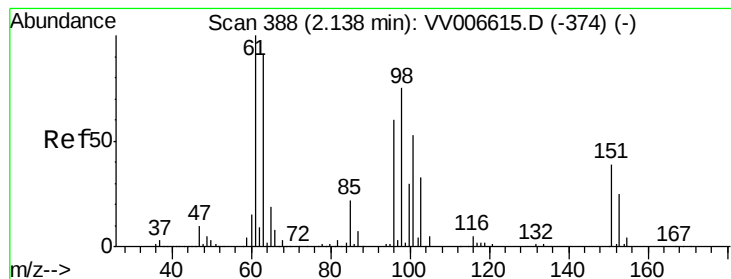
103 64.7 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV006615.D (-261) (-)

Ion 103.00 (102.70 to 103.70): VV006615.D (-261) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.877 ug/L

RT: 2.14 min Scan# 388

Delta R.T. 0.00 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

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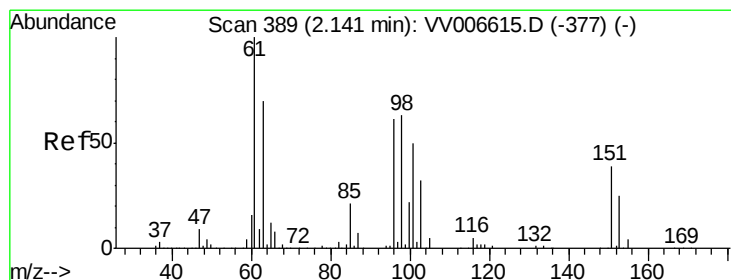
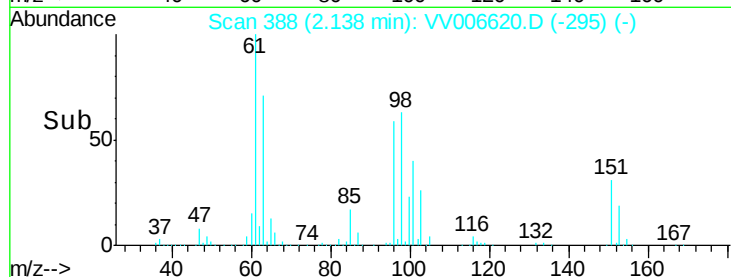
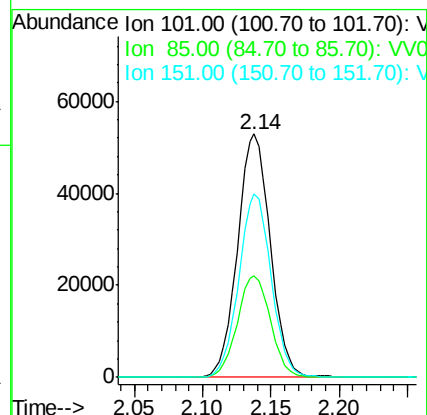
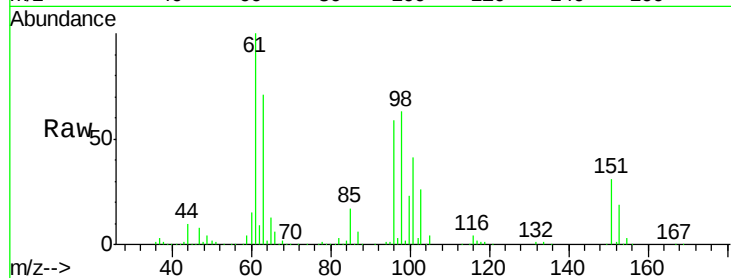
Tgt Ion: 101 Resp: 88344

Ion Ratio Lower Upper

101 100

85 42.1 33.9 50.9

151 74.5 60.5 90.7



#12

1,1-Dichloroethene

Concen: 5.999 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

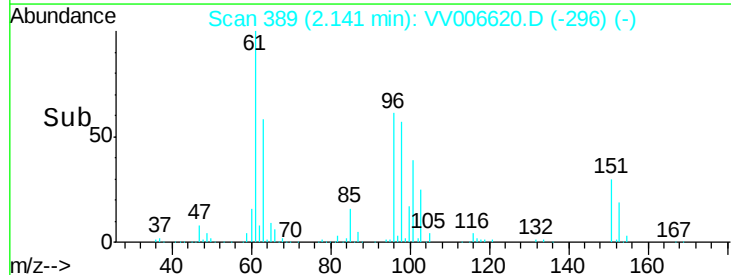
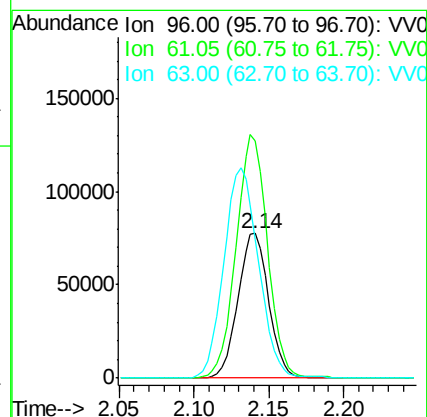
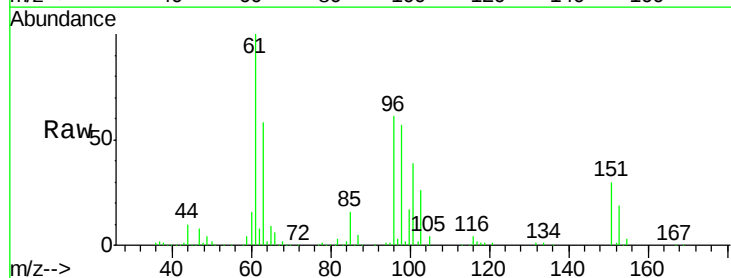
Tgt Ion: 96 Resp: 110712

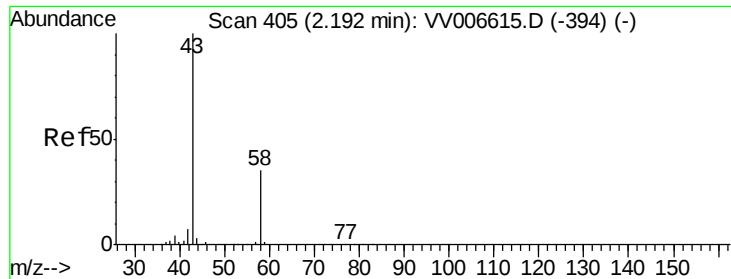
Ion Ratio Lower Upper

96 100

61 164.3 114.9 213.5

63 96.1 81.9 152.1





#13

Acetone

Concen: 0.768 ug/L

RT: 2.19 min Scan# 405

Delta R.T. -0.00 min

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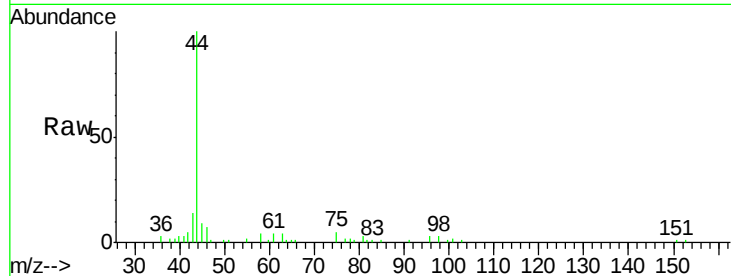
DB168

Tgt Ion: 43 Resp: 2366

Ion Ratio Lower Upper

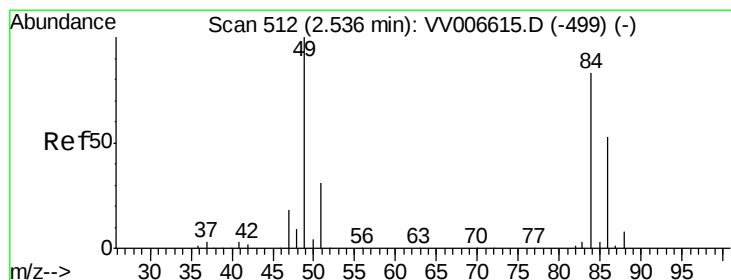
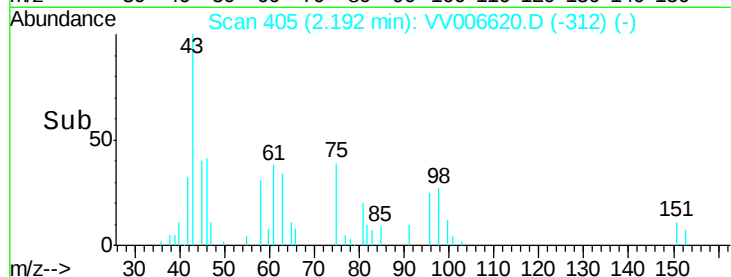
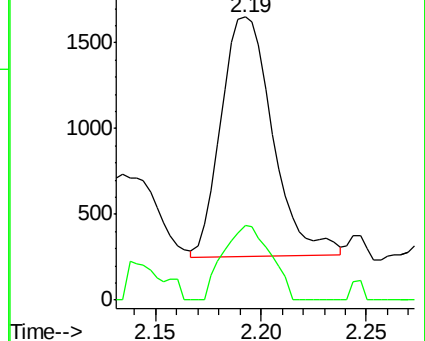
43 100

58 28.7 0.0 70.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#16

Methylene chloride

Concen: 3.199 ug/L

RT: 2.54 min Scan# 512

Delta R.T. 0.00 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

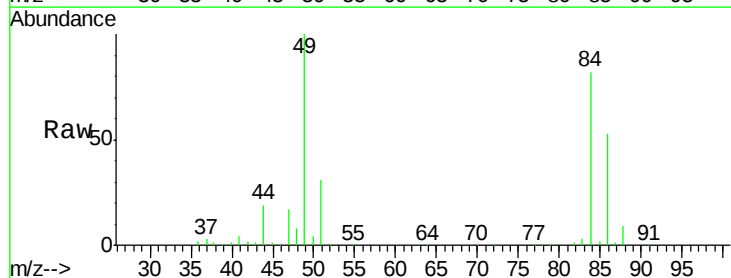
Tgt Ion: 84 Resp: 73832

Ion Ratio Lower Upper

84 100

86 64.8 45.2 84.0

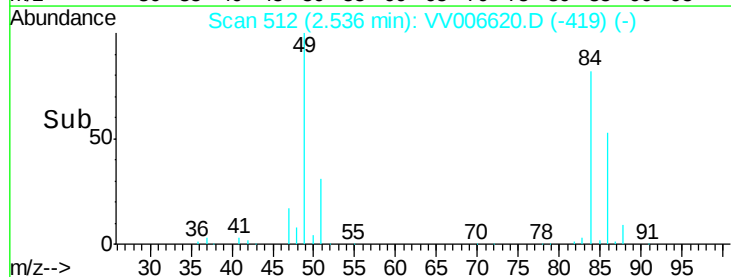
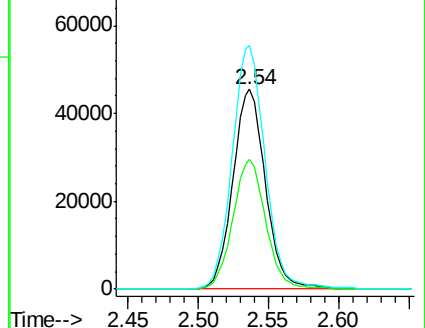
49 121.9 84.5 156.9

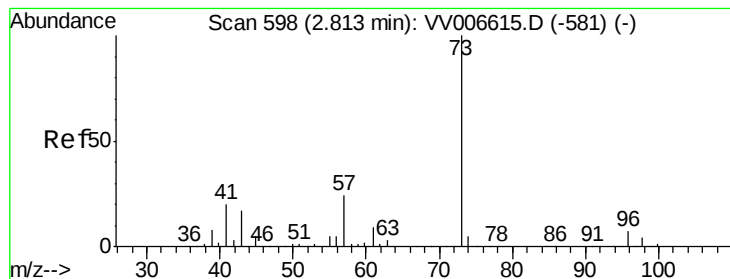


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 5.308 ug/L

RT: 2.81 min Scan# 598

Delta R.T. 0.00 min

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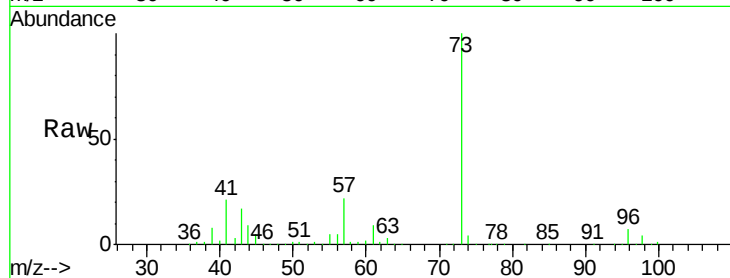
Tgt Ion: 73 Resp: 252623

Ion Ratio Lower Upper

73 100

43 17.0 13.7 20.5

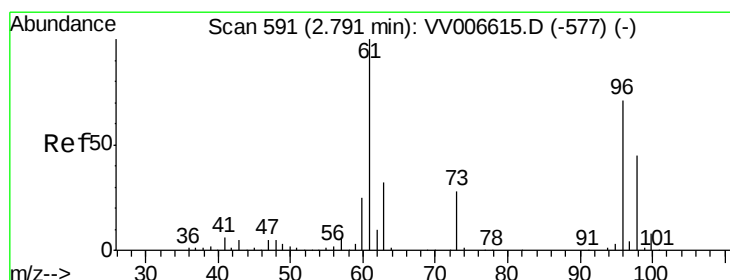
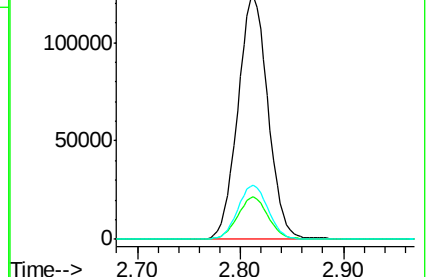
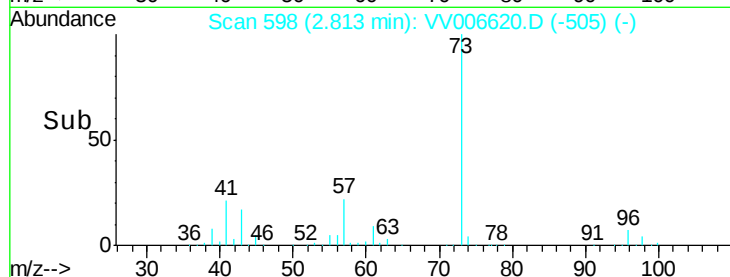
57 22.5 18.4 27.6



Abundance Ion 73.10 (72.80 to 73.80): VV006620.D (-505) (-)

Ion 43.05 (42.75 to 43.75): VV006620.D (-505) (-)

Ion 57.10 (56.80 to 57.80): VV006620.D (-505) (-)



#18

trans-1,2-Dichloroethene

Concen: 6.730 ug/L

RT: 2.79 min Scan# 591

Delta R.T. -0.00 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

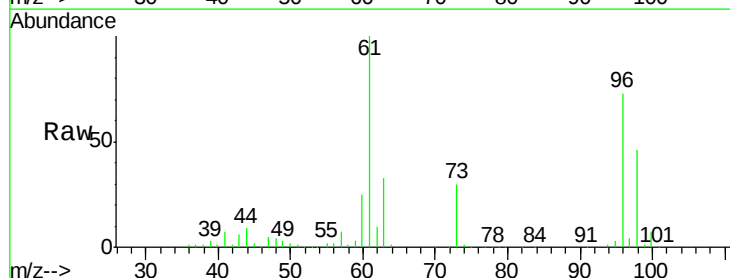
Tgt Ion: 96 Resp: 136522

Ion Ratio Lower Upper

96 100

61 137.6 98.1 182.1

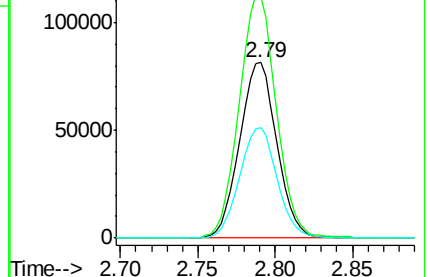
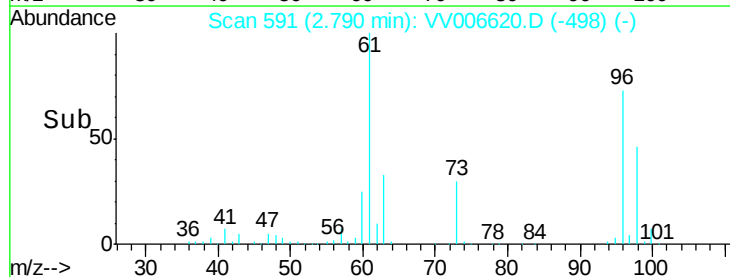
98 62.8 44.4 82.4

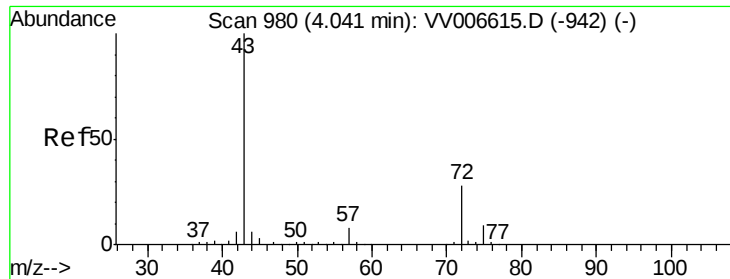


Abundance Ion 96.00 (95.70 to 96.70): VV006620.D (-498) (-)

Ion 61.05 (60.75 to 61.75): VV006620.D (-498) (-)

Ion 97.95 (97.65 to 98.65): VV006620.D (-498) (-)





#21

2-Butanone

Concen: 0.970 ug/L

RT: 4.02 min Scan# 973

Delta R.T. -0.02 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

Instrument :

MSVOA_V

ClientSampleId :

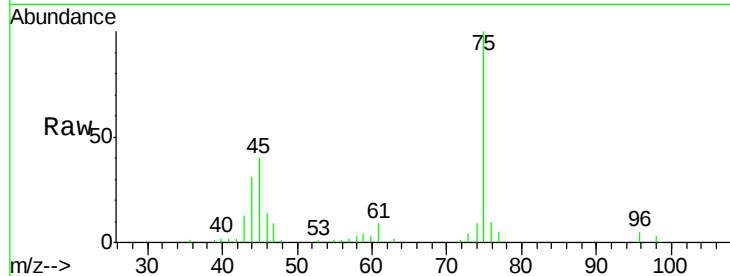
DB168

Tgt Ion: 43 Resp: 5233

Ion Ratio Lower Upper

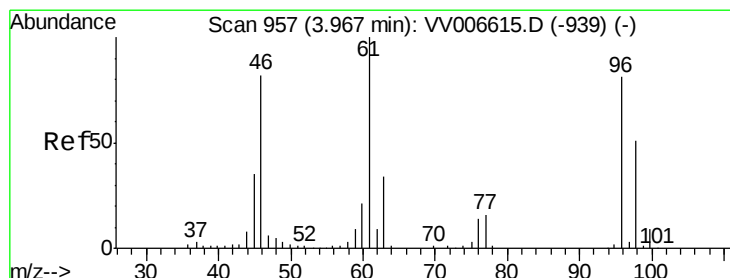
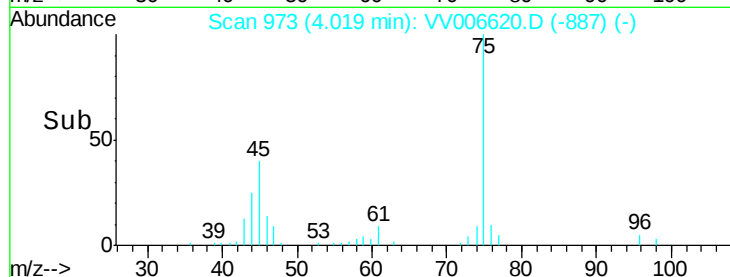
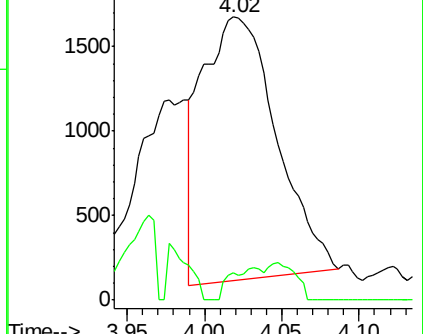
43 100

72 2.1 13.4 40.1#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



#22

cis-1,2-Dichloroethene

Concen: 6.489 ug/L

RT: 3.96 min Scan# 956

Delta R.T. -0.00 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

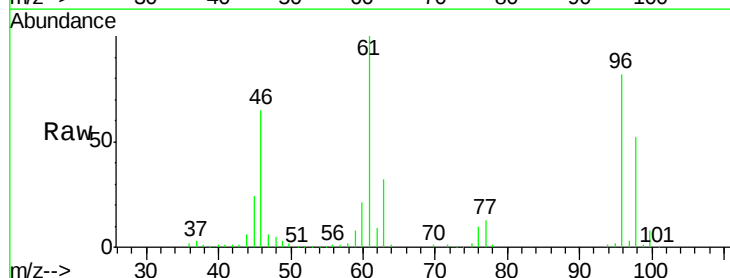
Tgt Ion: 96 Resp: 138099

Ion Ratio Lower Upper

96 100

61 121.6 86.2 160.2

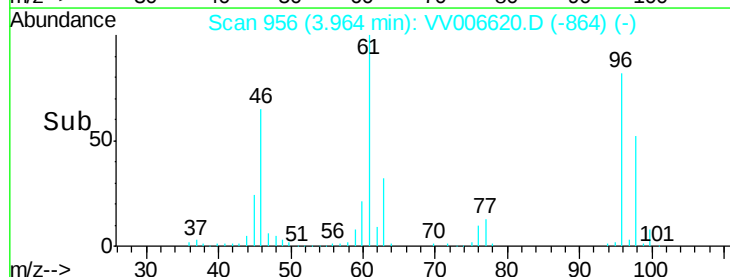
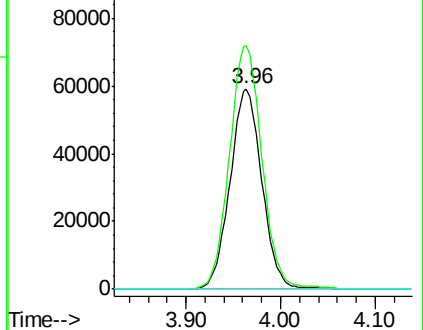
68 0.0 0.0 0.0

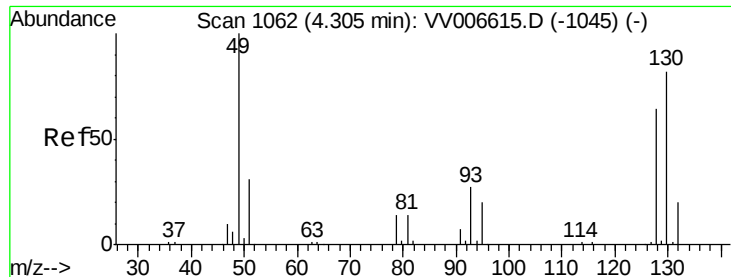


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#23

Bromochloromethane

Concen: 2.121 ug/L

RT: 4.30 min Scan# 1061

Delta R.T. -0.00 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

Instrument :

MSVOA_V

ClientSampleId :

DB168

Tgt Ion:128 Resp: 18392

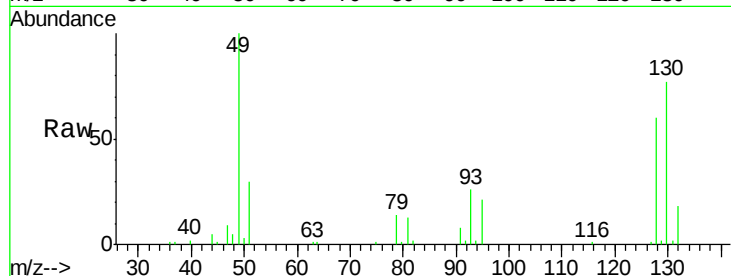
Ion Ratio Lower Upper

128 100

49 166.5 108.6 201.6

130 128.4 89.4 166.0

51 49.6 38.2 57.4

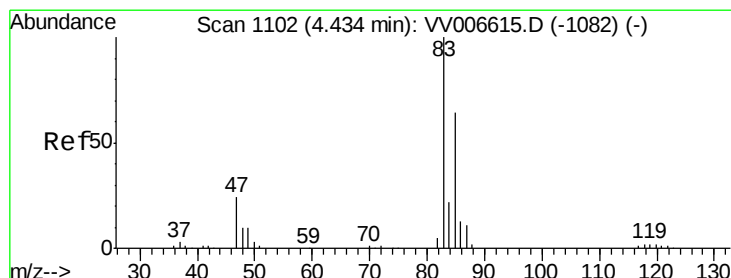
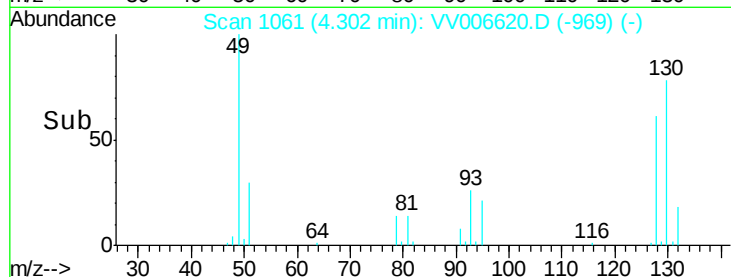
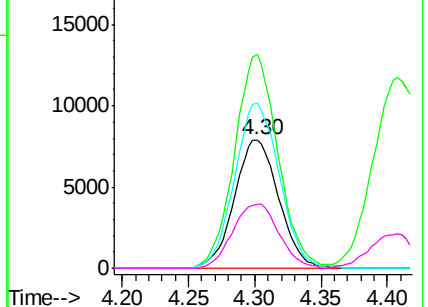


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VV0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VV0



#25

Chloroform

Concen: 4.781 ug/L

RT: 4.43 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV006620.D

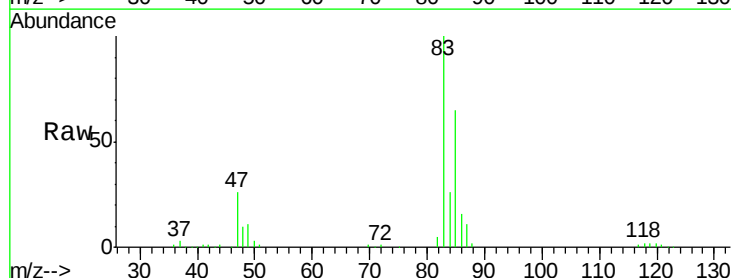
Acq: 17 Jul 2018 16:21

Tgt Ion: 83 Resp: 168662

Ion Ratio Lower Upper

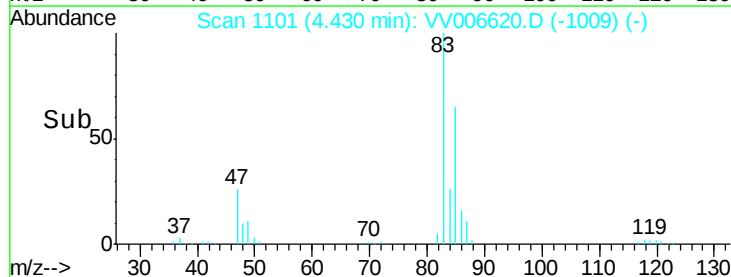
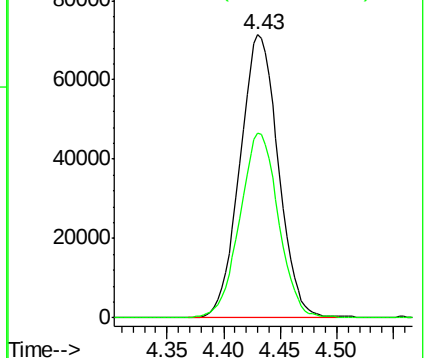
83 100

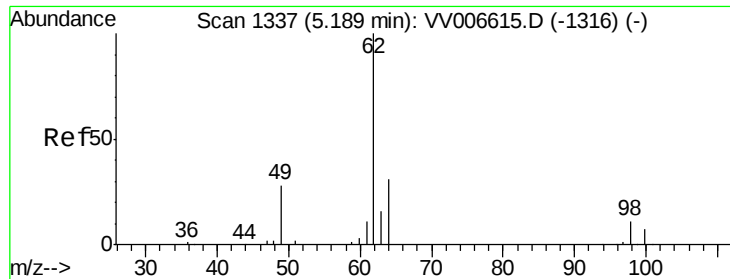
85 65.4 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

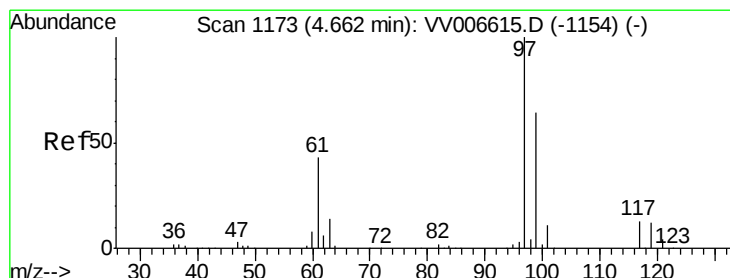
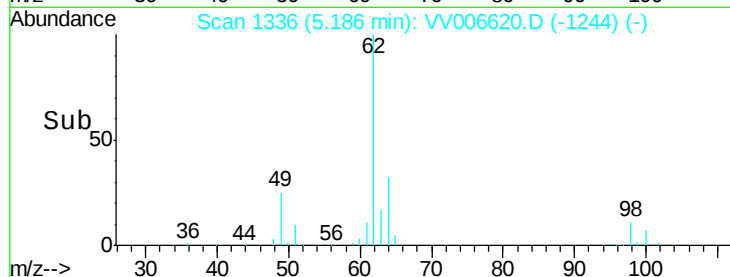
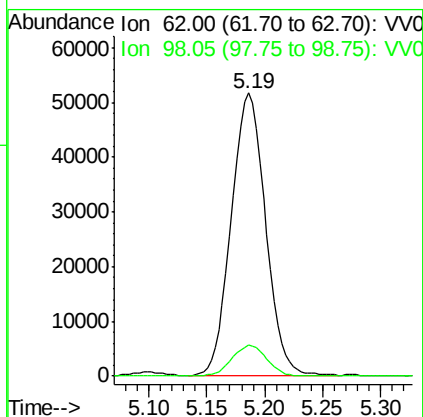
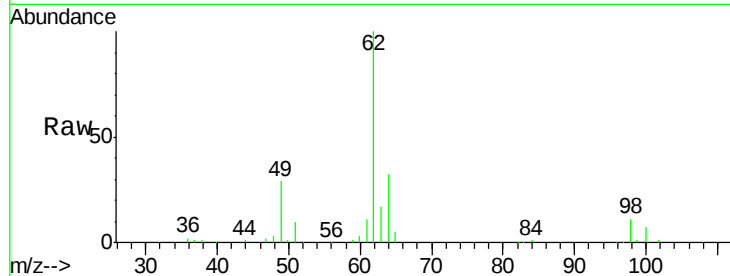




#27
 1,2-Dichloroethane
 Concen: 5.096 ug/L
 RT: 5.19 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VV006620.D
 Acq: 17 Jul 2018 16:21

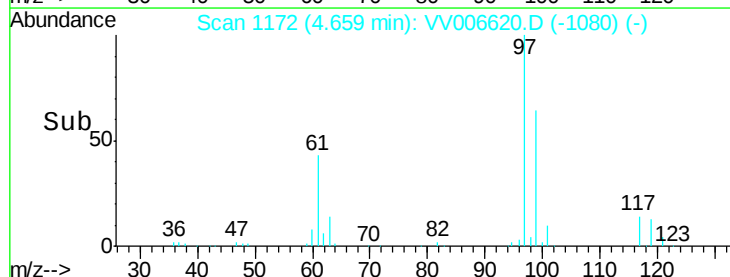
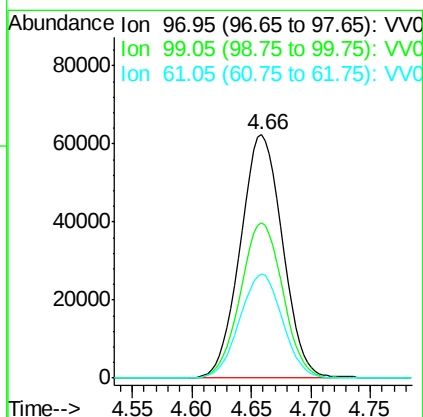
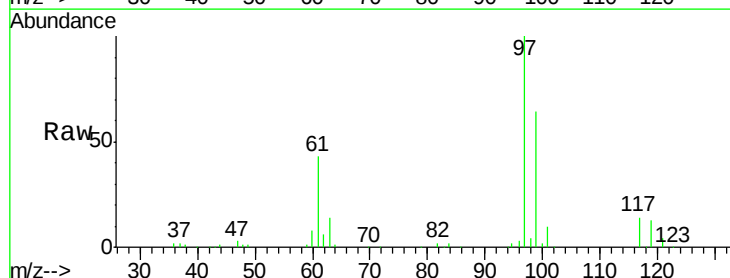
Instrument :
 MSVOA_V
 ClientSampleId :
 DB168

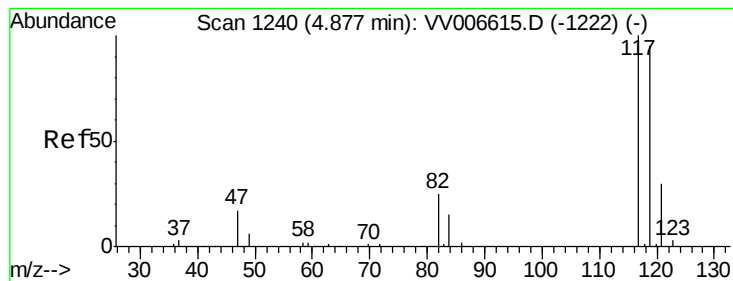
Tgt Ion: 62 Resp: 106563
 Ion Ratio Lower Upper
 62 100
 98 10.9 8.4 12.6



#29
 1,1,1-Trichloroethane
 Concen: 5.446 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV006620.D
 Acq: 17 Jul 2018 16:21

Tgt Ion: 97 Resp: 153515
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.6 77.4
 61 43.4 34.7 52.1





#31

Carbon tetrachloride

Concen: 5.601 ug/L

RT: 4.87 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

Instrument :

MSVOA_V

ClientSampleId :

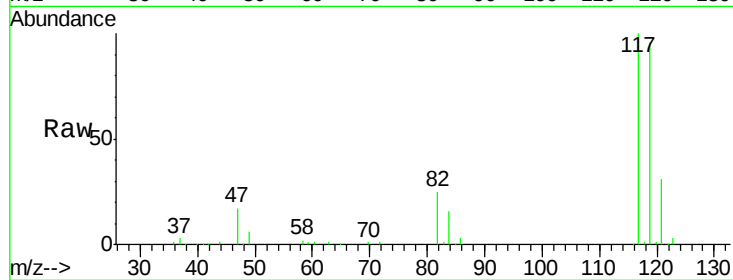
DB168

Tgt Ion: 117 Resp: 130895

Ion Ratio Lower Upper

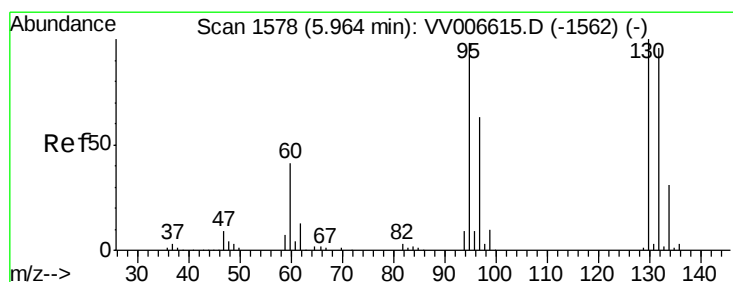
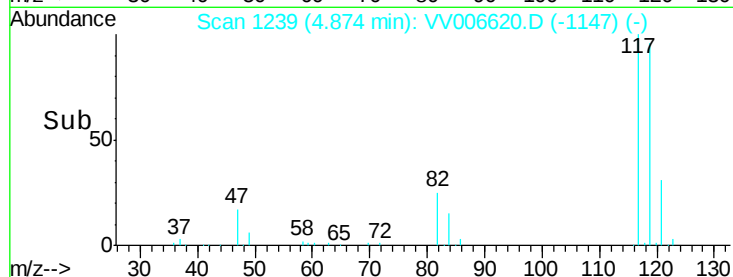
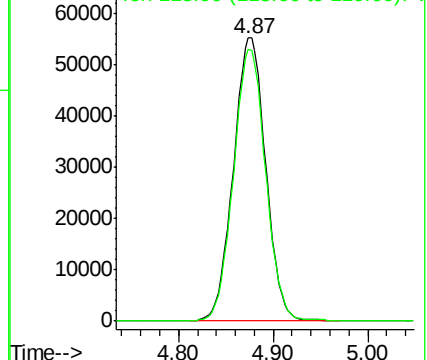
117 100

119 95.9 76.5 114.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 8.773 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

Tgt Ion: 95 Resp: 174844

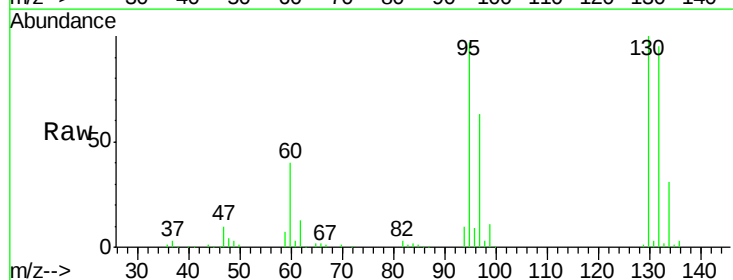
Ion Ratio Lower Upper

95 100

97 64.5 45.1 83.7

132 97.9 69.0 128.2

130 103.0 71.7 133.1

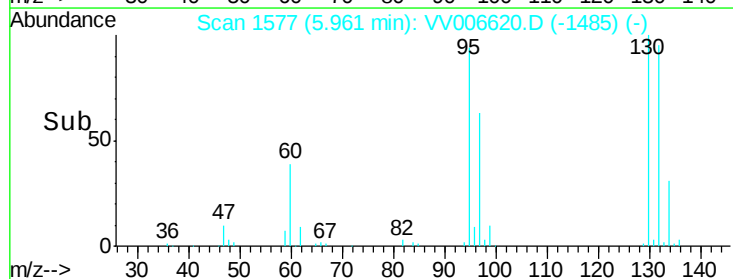
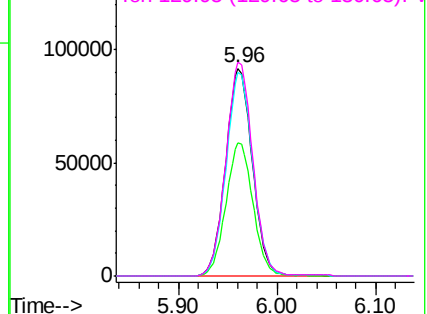


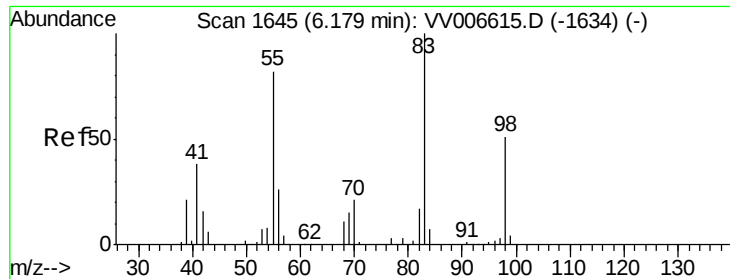
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0





#35

Methylcyclohexane

Concen: 0.761 ug/L

RT: 6.12 min Scan# 1627

Delta R.T. -0.06 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

Instrument :

MSVOA_V

ClientSampleId :

DB168

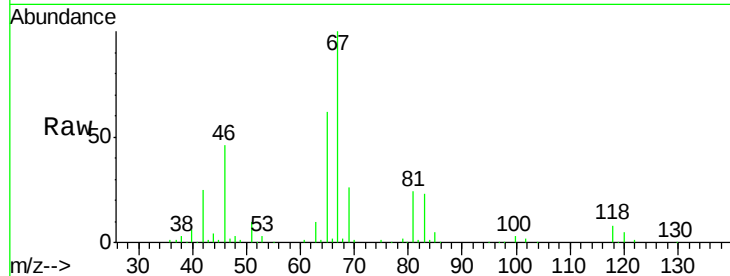
Tgt Ion: 83 Resp: 23975

Ion Ratio Lower Upper

83 100

55 0.3 60.7 91.1#

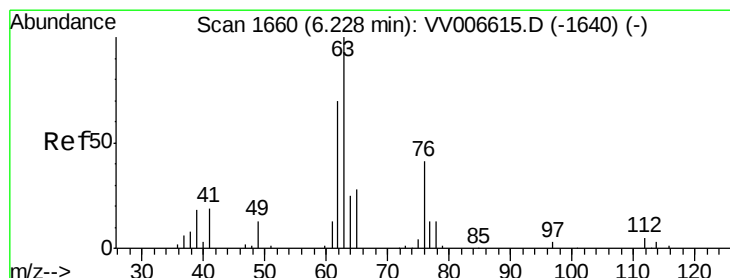
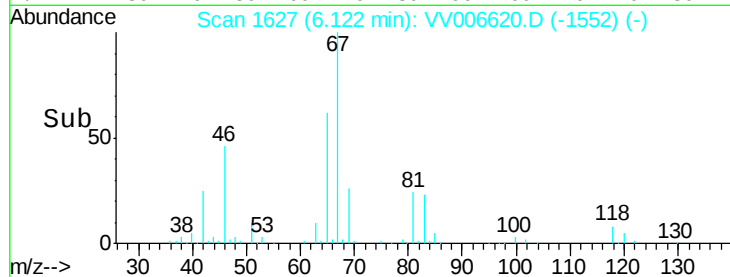
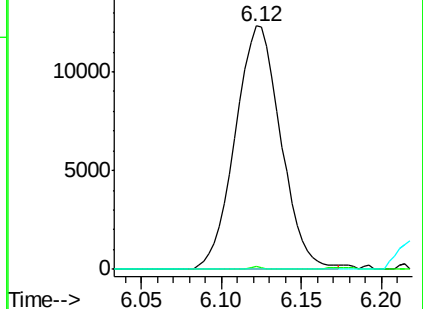
98 0.0 39.1 58.7#



Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0



#37

1,2-Dichloropropane

Concen: 5.192 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV006620.D

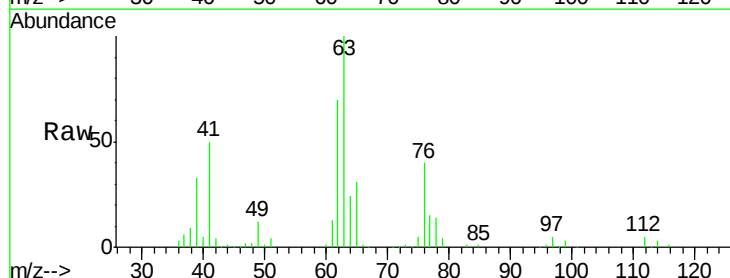
Acq: 17 Jul 2018 16:21

Tgt Ion: 63 Resp: 106357

Ion Ratio Lower Upper

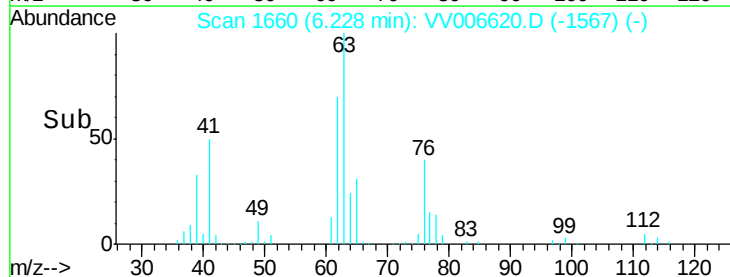
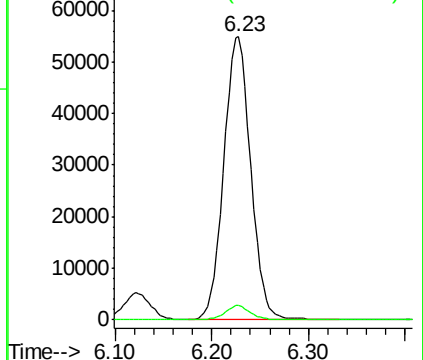
63 100

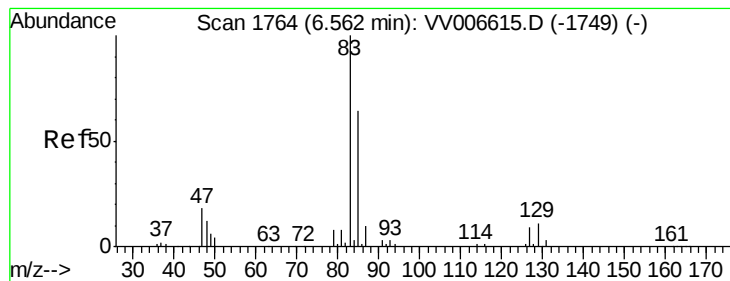
112 4.7 3.7 5.5



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 2.087 ug/L

RT: 6.56 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

Instrument :

MSVOA_V

ClientSampleId :

DB168

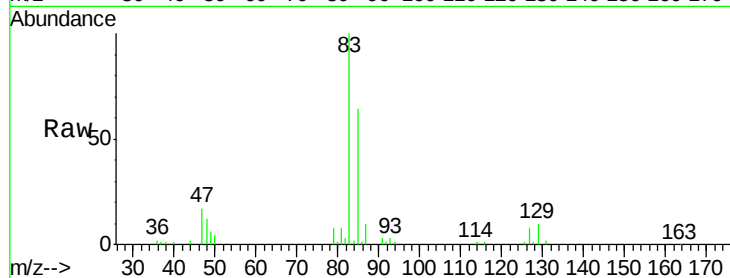
Tgt Ion: 83 Resp: 48074

Ion Ratio Lower Upper

83 100

85 63.9 44.7 83.1

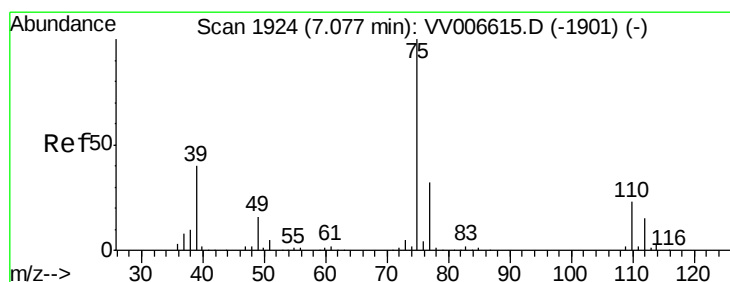
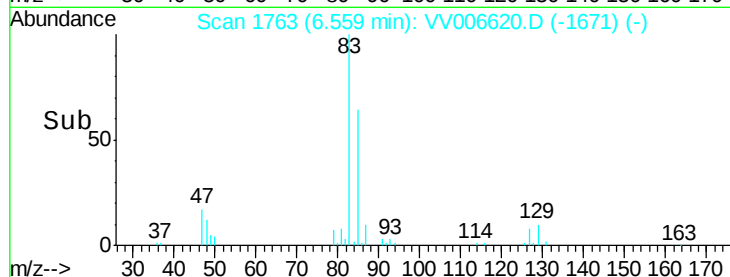
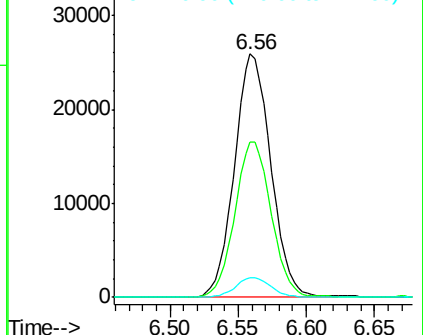
127 8.3 6.8 10.2



Abundance Ion 82.95 (82.65 to 83.65): VV006620.D (-1671) (-)

Ion 85.00 (84.70 to 85.70): VV006620.D (-1671) (-)

Ion 126.90 (126.60 to 127.60): VV006620.D (-1671) (-)



#39

cis-1,3-Dichloropropene

Concen: 1.810 ug/L

RT: 7.08 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VV006620.D

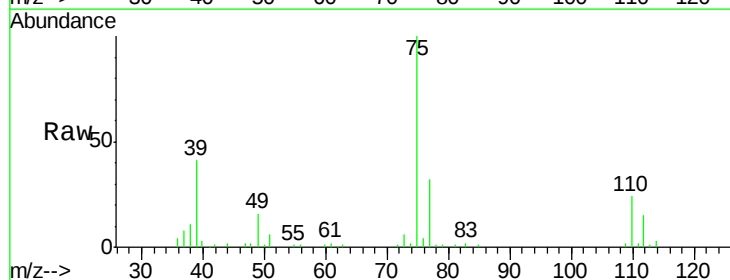
Acq: 17 Jul 2018 16:21

Tgt Ion: 75 Resp: 49047

Ion Ratio Lower Upper

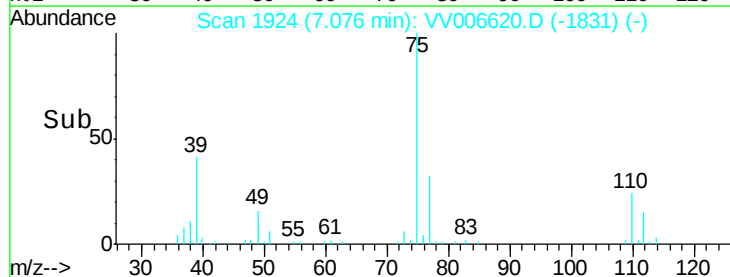
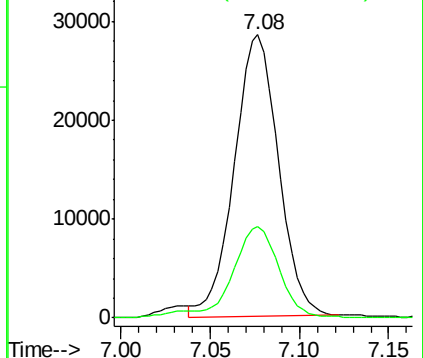
75 100

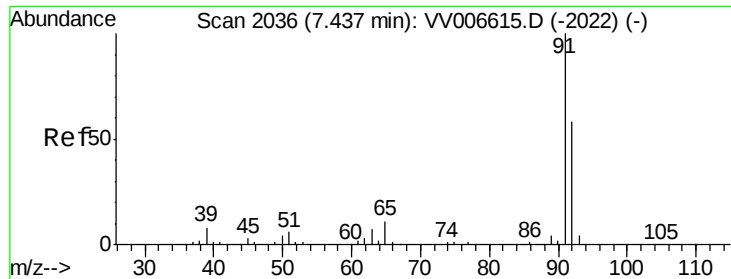
77 32.2 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV006620.D (-1831) (-)

Ion 77.05 (76.75 to 77.75): VV006620.D (-1831) (-)





#42

Toluene

Concen: 3.293 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

Instrument :

MSVOA_V

ClientSampleId :

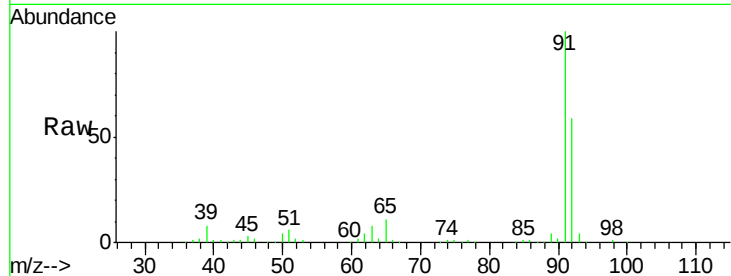
DB168

Tgt Ion: 91 Resp: 272596

Ion Ratio Lower Upper

91 100

92 59.0 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV006615.D (-2022) (-)

Ion 92.15 (91.85 to 92.85): VV006615.D (-2022) (-)

7.43

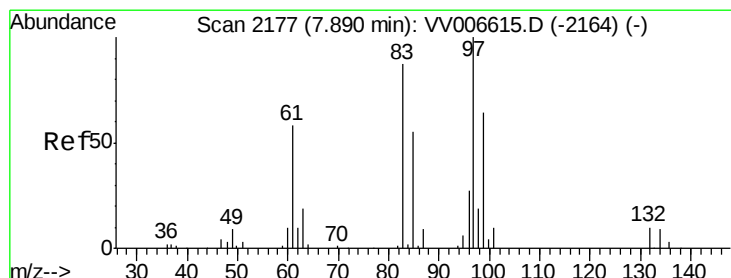
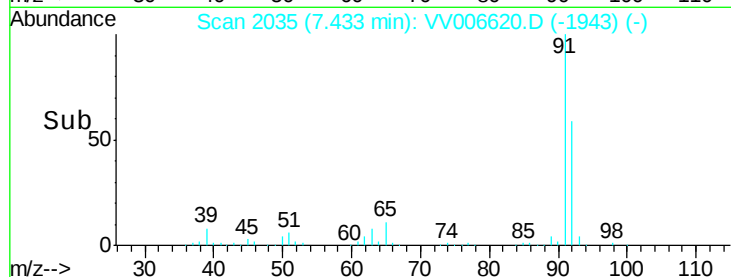
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#45

1,1,2-Trichloroethane

Concen: 8.497 ug/L

RT: 7.89 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

Tgt Ion: 97 Resp: 122158

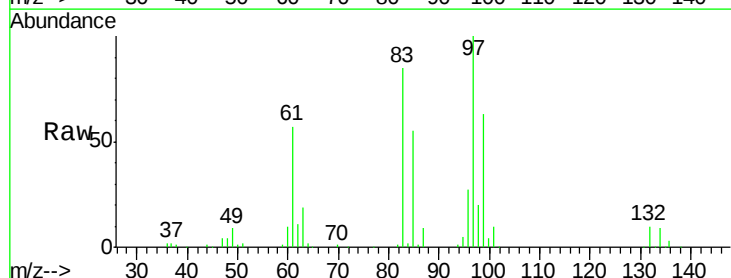
Ion Ratio Lower Upper

97 100

99 62.6 44.9 83.3

83 85.4 61.1 113.5

85 54.8 38.4 71.4



Abundance Ion 96.95 (96.65 to 97.65): VV006615.D (-2164) (-)

Ion 99.05 (98.75 to 99.75): VV006615.D (-2164) (-)

Ion 82.95 (82.65 to 83.65): VV006615.D (-2164) (-)

Ion 85.00 (84.70 to 85.70): VV006615.D (-2164) (-)

100000

80000

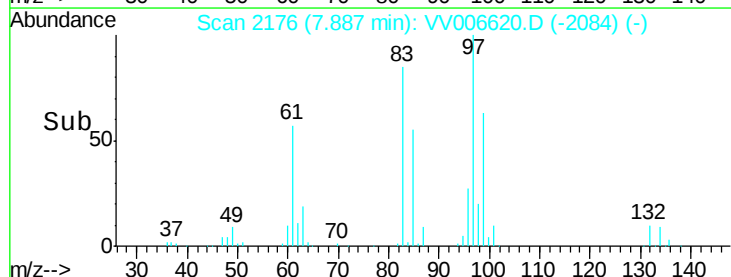
60000

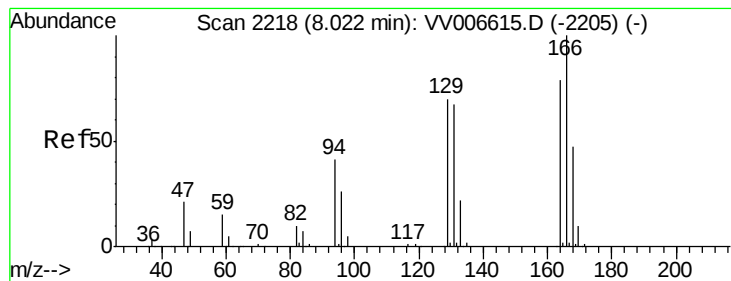
40000

20000

0

Time--> 7.80 7.85 7.90 7.95 8.00





#47

Tetrachloroethene

Concen: 5.626 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

Instrument :
MSVOA_V
ClientSampleId :
DB168

Tgt Ion:164 Resp: 89528

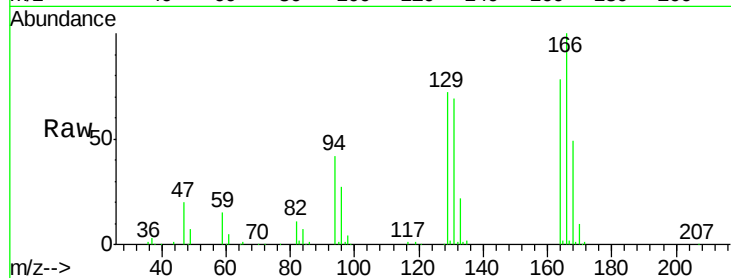
Ion Ratio Lower Upper

164 100

129 92.3 62.7 116.5

131 88.5 60.0 111.4

166 127.8 89.0 165.4

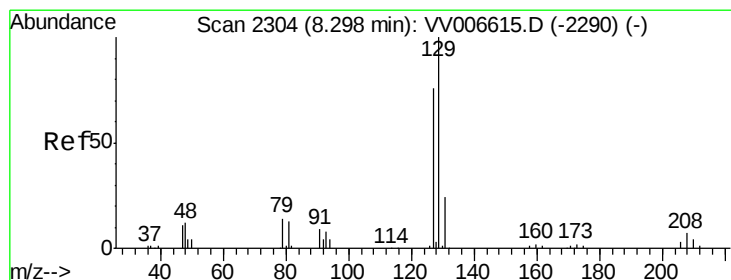
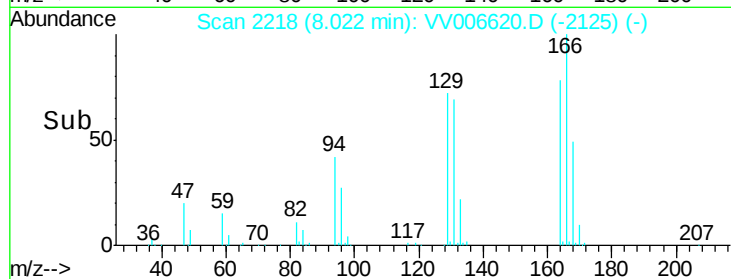
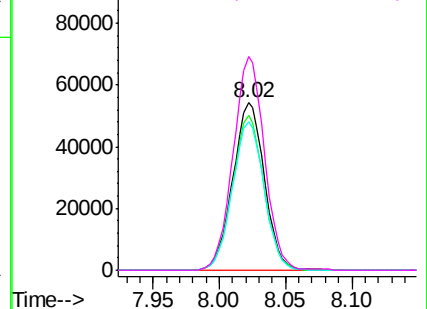


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 6.084 ug/L

RT: 8.30 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VV006620.D

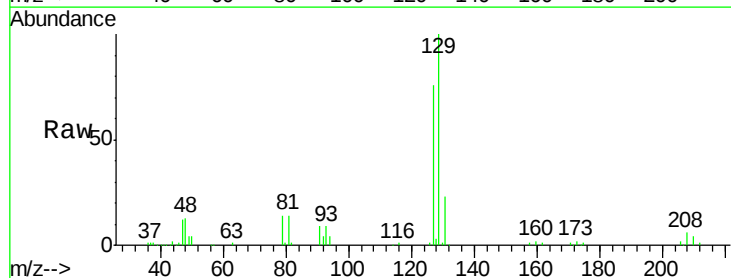
Acq: 17 Jul 2018 16:21

Tgt Ion:129 Resp: 88679

Ion Ratio Lower Upper

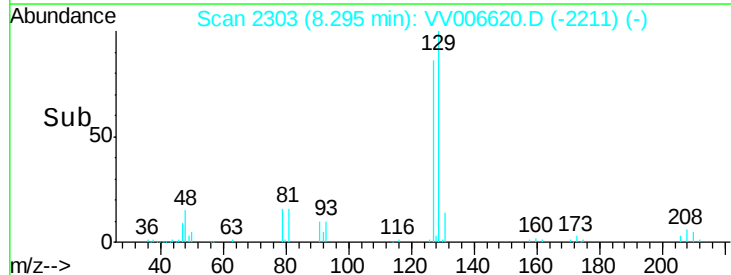
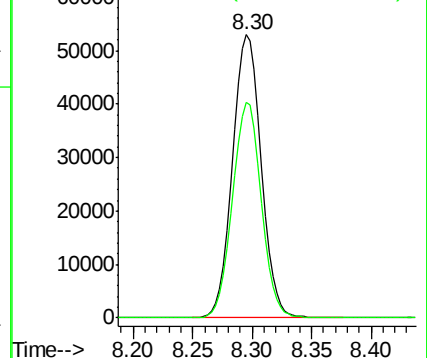
129 100

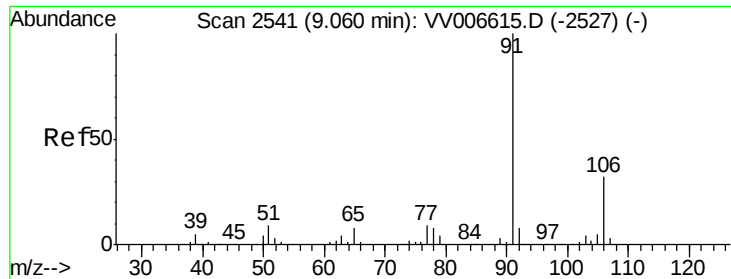
127 76.1 53.2 98.8



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#52

Ethylbenzene

Concen: 11.467 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

Instrument :

MSVOA_V

ClientSampled :

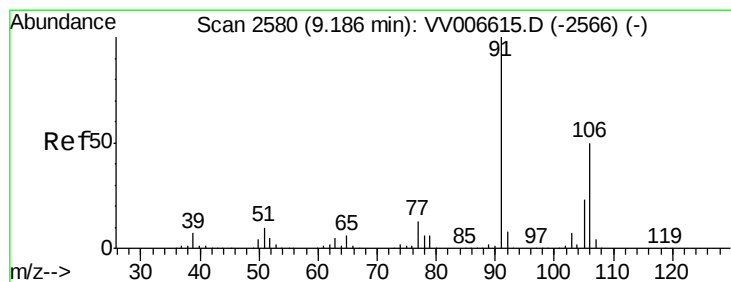
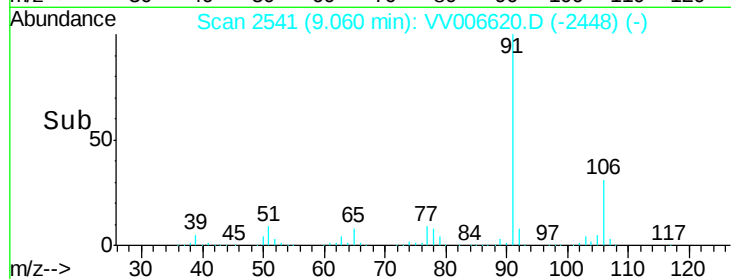
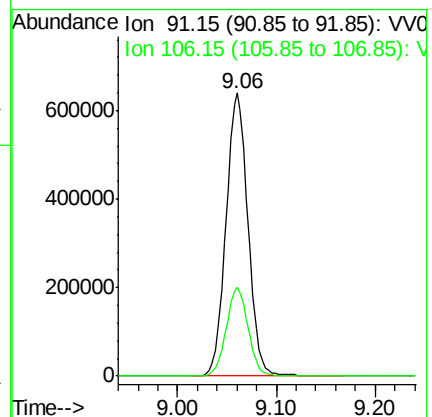
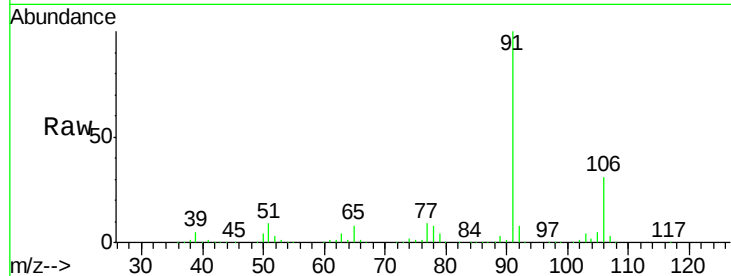
DB168

Tgt Ion: 91 Resp: 1003400

Ion Ratio Lower Upper

91 100

106 31.4 22.2 41.2



#53

m,p-xylene

Concen: 9.301 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.13 min

Lab File: VV006620.D

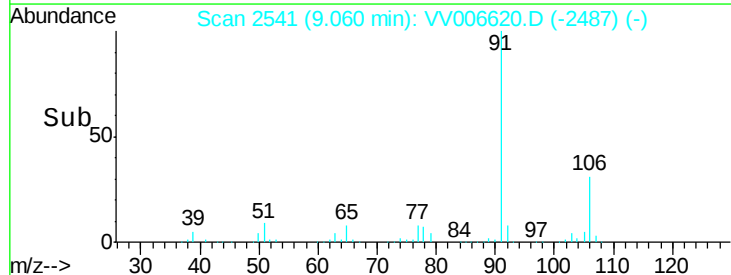
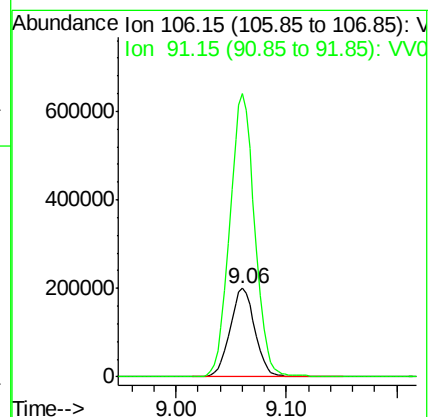
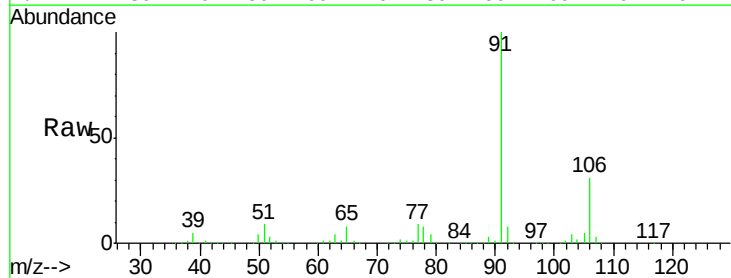
Acq: 17 Jul 2018 16:21

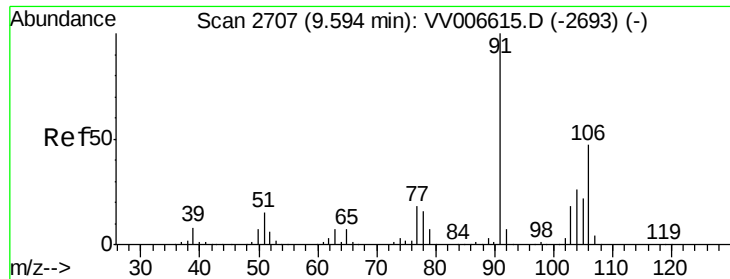
Tgt Ion: 106 Resp: 312677

Ion Ratio Lower Upper

106 100

91 318.9 140.3 260.5#





#54

o-xylene

Concen: 3.305 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

Instrument :

MSVOA_V

ClientSampleId :

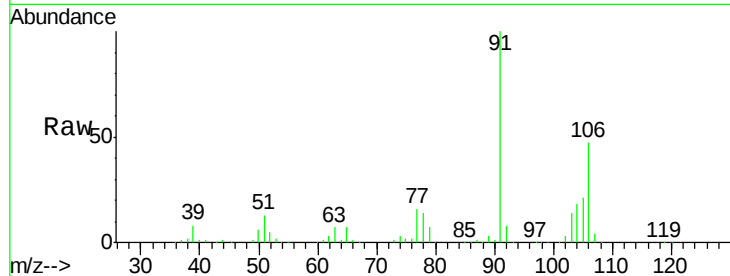
DB168

Tgt Ion:106 Resp: 108177

Ion Ratio Lower Upper

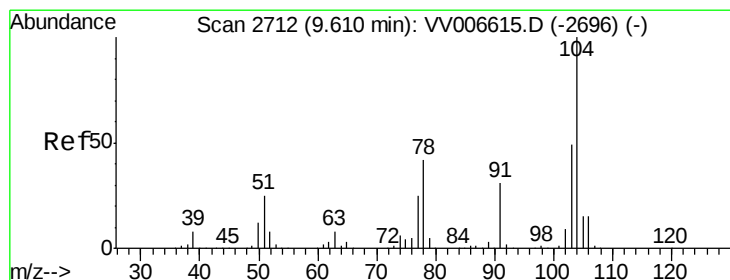
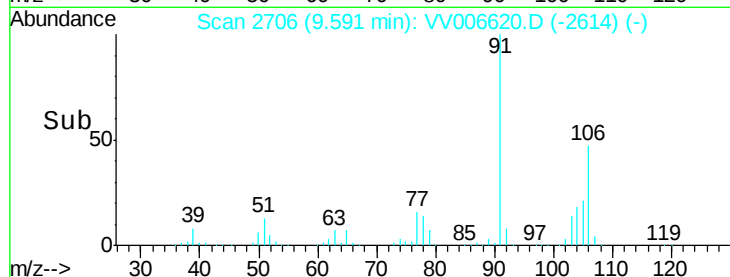
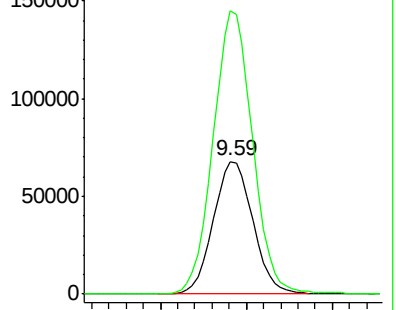
106 100

91 213.4 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 3.329 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VV006620.D

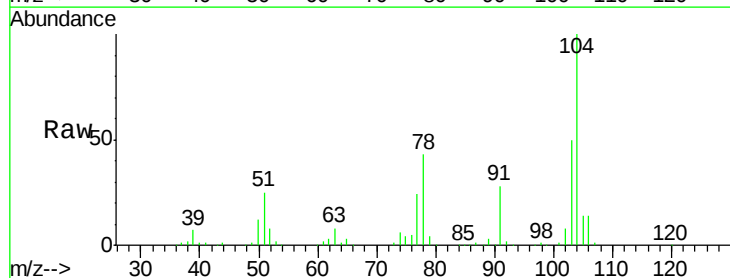
Acq: 17 Jul 2018 16:21

Tgt Ion:104 Resp: 186916

Ion Ratio Lower Upper

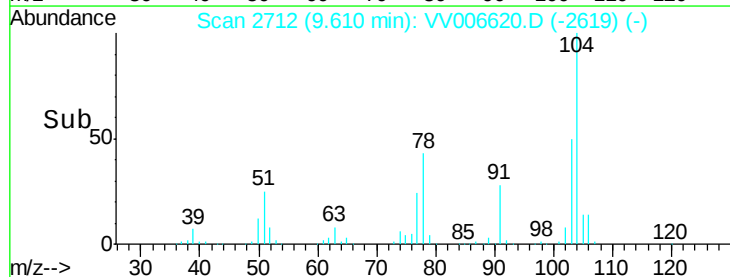
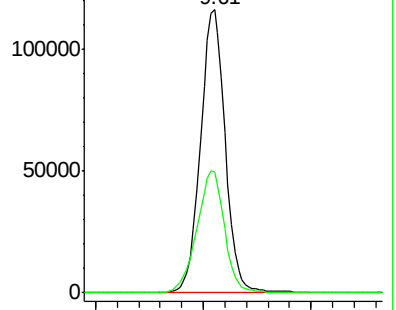
104 100

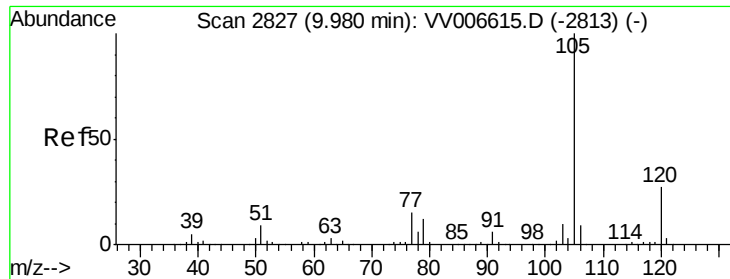
78 42.6 29.6 55.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 8.377 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

Instrument :

MSVOA_V

ClientSampleId :

DB168

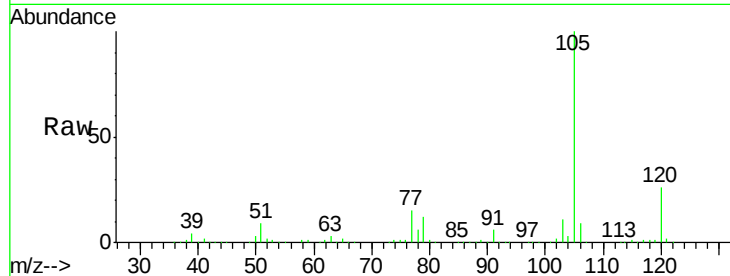
Tgt Ion: 105 Resp: 701500

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.2

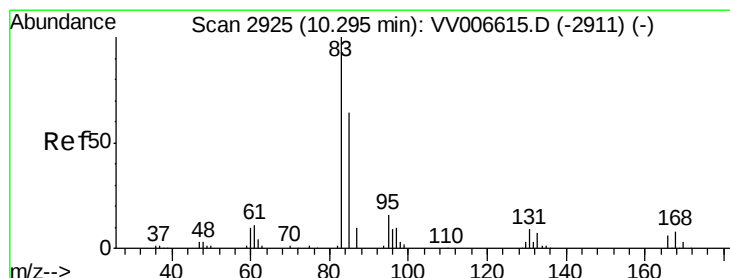
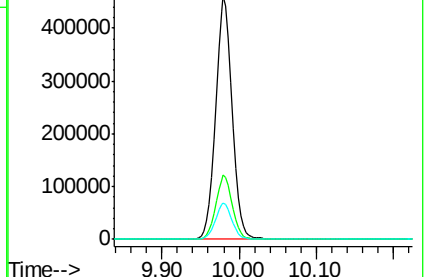
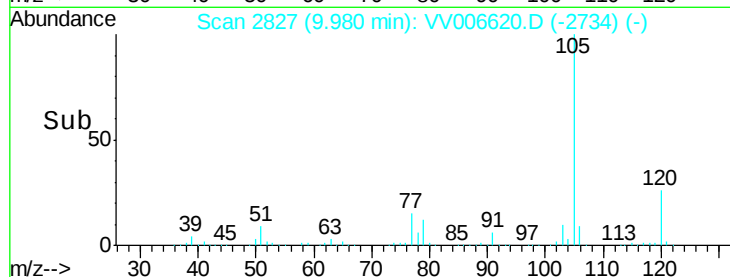
77 15.0 12.0 18.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.951 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

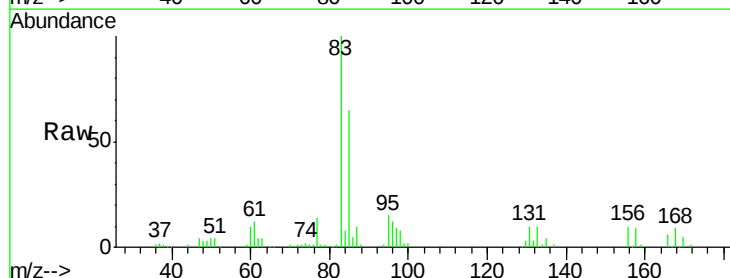
Tgt Ion: 83 Resp: 88086

Ion Ratio Lower Upper

83 100

85 64.5 45.3 84.1

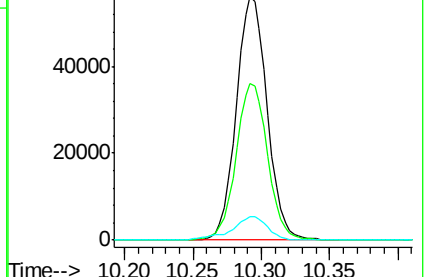
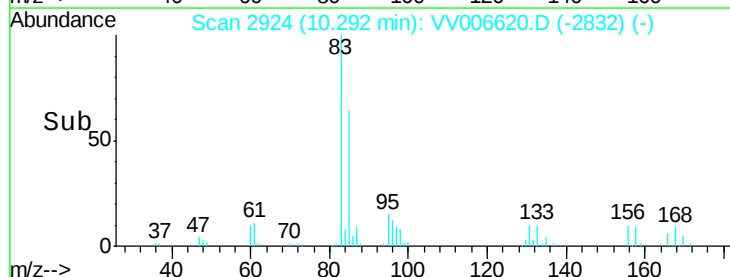
131 9.6 7.7 11.5

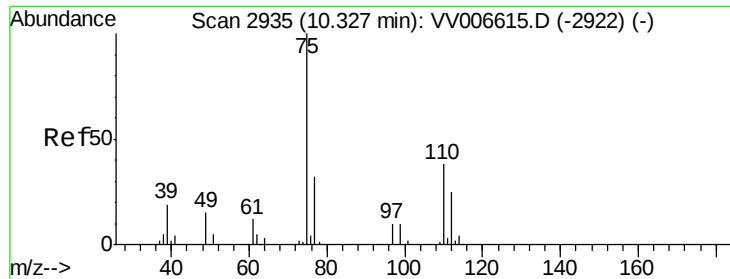


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.039 ug/L

RT: 10.27 min Scan# 2916

Delta R.T. -0.06 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

Instrument :

MSVOA_V

ClientSampled :

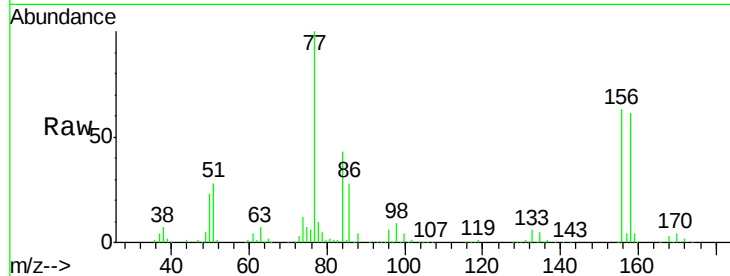
DB168

Tgt Ion: 75 Resp: 13251

Ion Ratio Lower Upper

75 100

77 1377.3 25.9 38.9#



Abundance Ion 75.00 (74.70 to 75.70): VV006615.D (-2922) (-)

Ion 77.00 (76.70 to 77.70): VV006615.D (-2922) (-)

120000

100000

80000

60000

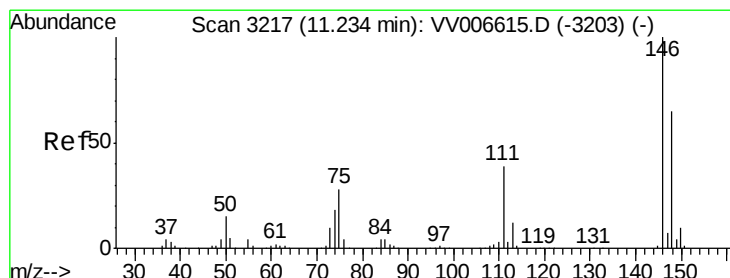
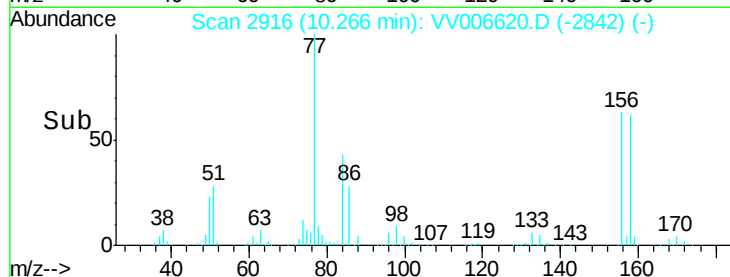
40000

20000

0

10.20 10.25 10.30

Time-->



#62

1,3-Dichlorobenzene

Concen: 2.247 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV006620.D

Acq: 17 Jul 2018 16:21

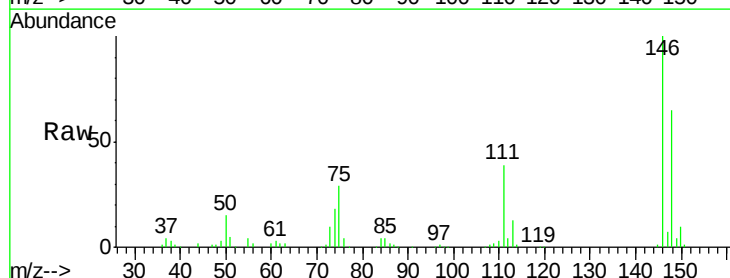
Tgt Ion: 146 Resp: 90631

Ion Ratio Lower Upper

146 100

111 39.5 27.4 51.0

148 64.9 45.2 84.0



Abundance Ion 145.95 (145.65 to 146.65): VV006615.D (-3203) (-)

Ion 111.00 (110.70 to 111.70): VV006615.D (-3203) (-)

Ion 148.00 (147.70 to 148.70): VV006615.D (-3203) (-)

80000

60000

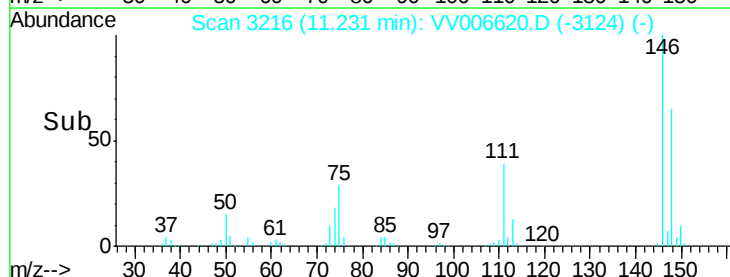
40000

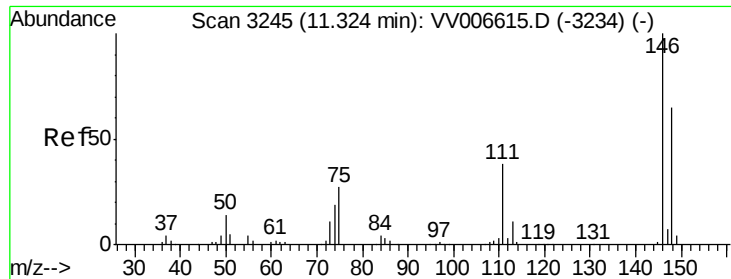
20000

0

11.15 11.20 11.25 11.30

Time-->

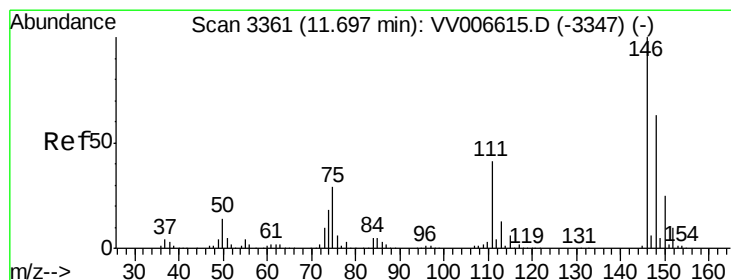
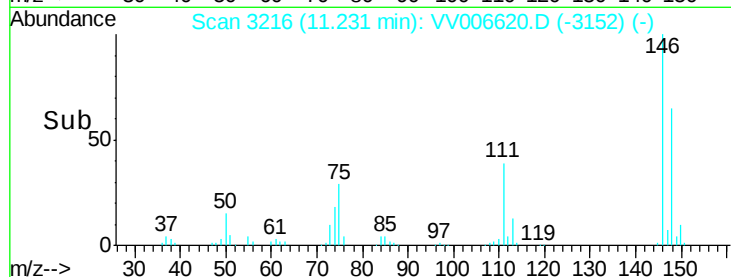
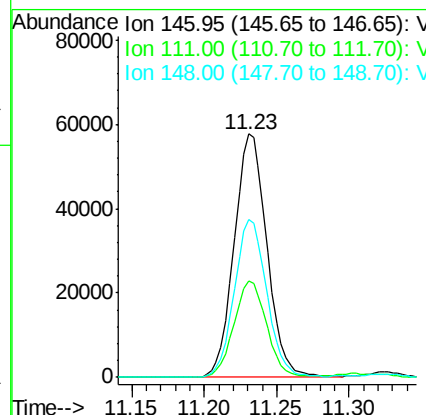
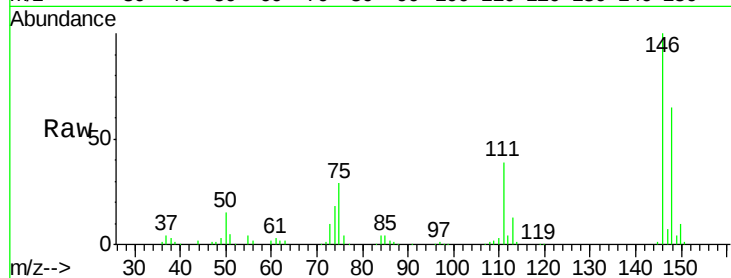




#63
 1,4-Dichlorobenzene
 Concen: 2.203 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. -0.09 min
 Lab File: VV006620.D
 Acq: 17 Jul 2018 16:21

Instrument :
 MSVOA_V
 ClientSampleId :
 DB168

Tgt Ion:146 Resp: 90631
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.1 50.3
 148 64.9 45.7 84.9



#65
 1,2-Dichlorobenzene
 Concen: 2.175 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV006620.D
 Acq: 17 Jul 2018 16:21

Tgt Ion:146 Resp: 86464
 Ion Ratio Lower Upper
 146 100
 111 41.0 32.6 48.8
 148 64.7 50.8 76.2

