

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072318\
 Data File : VV006698.D
 Acq On : 23 Jul 2018 14:12
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

Quant Time: Jul 24 02:05:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 24 02:05:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	257232	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	239689	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	113603	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67922	5.07	ug/L	0.00
7) Chloroethane-d5	1.58	69	52386	4.98	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	134621	5.13	ug/L	0.00
20) 2-Butanone-d5	3.95	46	222083	53.09	ug/L	0.00
24) Chloroform-d	4.41	84	131277	5.23	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	63416	5.18	ug/L	0.00
32) Benzene-d6	5.10	84	254185	5.16	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	84437	5.07	ug/L	0.00
41) Toluene-d8	7.37	98	225867	5.24	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	28248	5.20	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	188668	54.86	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	70778	5.21	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	86732	5.12	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	92892	4.544 ug/L	# 85
3) Chloromethane	1.26	50	101934	5.187 ug/L	100
5) Vinyl chloride	1.32	62	125728	5.107 ug/L	100
6) Bromomethane	1.52	94	28539	4.737 ug/L	100
8) Chloroethane	1.59	64	66523	4.938 ug/L	100
9) Trichlorofluoromethane	1.77	101	144647	5.122 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	89773	5.217 ug/L	100
12) 1,1-Dichloroethene	2.14	96	85776	5.090 ug/L	100
13) Acetone	2.19	43	135548	50.930 ug/L	100
14) Carbon disulfide	2.32	76	285873	5.045 ug/L	100
15) Methyl Acetate	2.46	43	39708	5.033 ug/L	100
16) Methylene chloride	2.54	84	92461	4.786 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	209718	5.073 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	92363	5.046 ug/L	100
19) 1,1-Dichloroethane	3.23	63	171428	5.091 ug/L	100
21) 2-Butanone	4.04	43	226059	50.711 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	97381	5.102 ug/L	100
23) Bromochloromethane	4.30	128	40356	5.138 ug/L	100
25) Chloroform	4.43	83	158976	5.032 ug/L	100
27) 1,2-Dichloroethane	5.19	62	95946	5.176 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	131538	5.101 ug/L	100
30) Cyclohexane	4.72	56	147487	5.108 ug/L	100
31) Carbon tetrachloride	4.88	117	113145	5.133 ug/L	100
33) Benzene	5.15	78	370947	5.148 ug/L	100
34) Trichloroethene	5.96	95	92987	5.112 ug/L	100
35) Methylcyclohexane	6.18	83	157755	5.192 ug/L	100
37) 1,2-Dichloropropane	6.23	63	94721	5.121 ug/L	100
38) Bromodichloromethane	6.56	83	106034	5.132 ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	123386	5.121 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	538339	52.942 ug/L	100

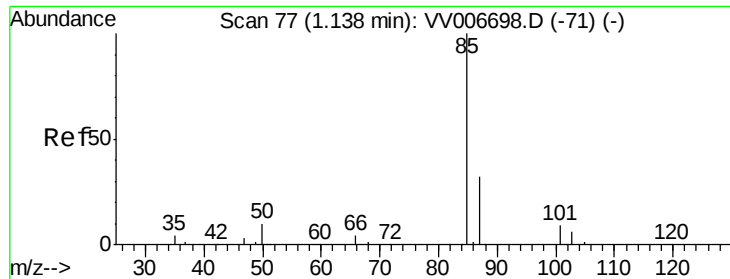
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072318\
 Data File : VV006698.D
 Acq On : 23 Jul 2018 14:12
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 24 02:05:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	387079	5.217	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	98629	5.206	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	64911	5.210	ug/L	100
47) Tetrachloroethene	8.02	164	75462	5.223	ug/L	100
48) 2-Hexanone	8.19	43	381502	53.769	ug/L	100
49) Dibromochloromethane	8.30	129	68341	5.183	ug/L	100
50) 1,2-Dibromoethane	8.40	107	57795	5.191	ug/L	100
51) Chlorobenzene	8.93	112	246982	5.117	ug/L	100
52) Ethylbenzene	9.06	91	411434	5.202	ug/L	100
53) m,p-xylene	9.19	106	157220	5.265	ug/L	100
54) o-xylene	9.59	106	153798	5.287	ug/L	100
55) Styrene	9.61	104	265032	5.402	ug/L	100
56) Isopropylbenzene	9.98	105	398448	5.275	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	77959	5.116	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	56048	5.148	ug/L	100
61) Bromoform	9.78	173	34783	5.038	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	180113	5.129	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	183146	5.117	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	177210	5.180	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	10813	5.282	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	138048	5.149	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	110111	5.170	ug/L	100
69) Naphthalene	13.56	128	188345	5.168	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	107180	5.317	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.544 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

Instrument :

MSVOA_V

ClientSampled :

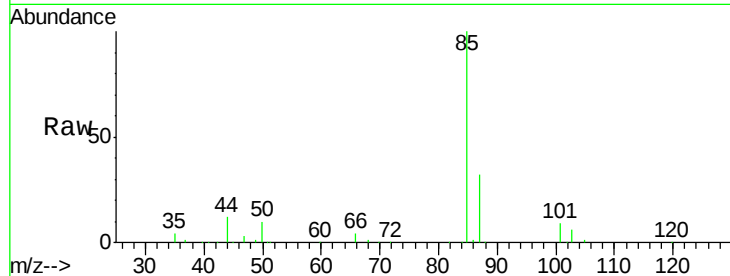
VSTD00577

Tgt Ion: 85 Resp: 92892

Ion Ratio Lower Upper

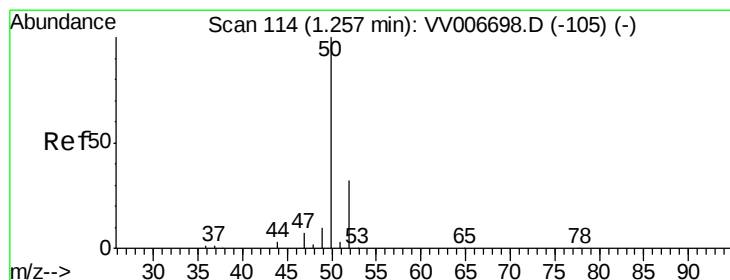
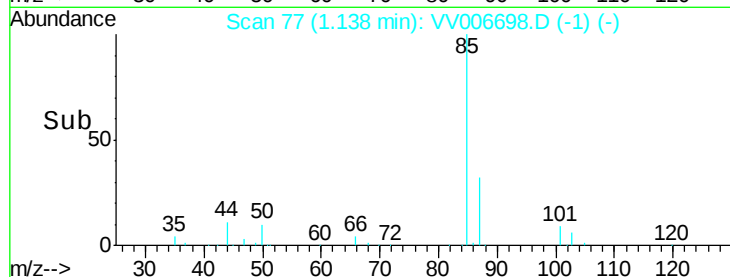
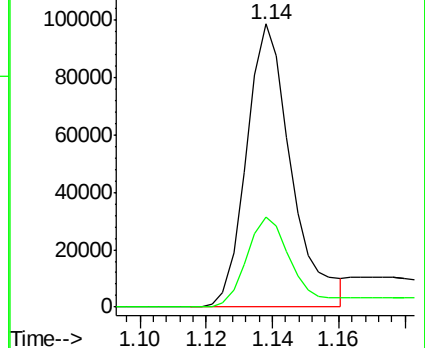
85 100

87 32.2 19.9 29.9#



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.187 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV006698.D

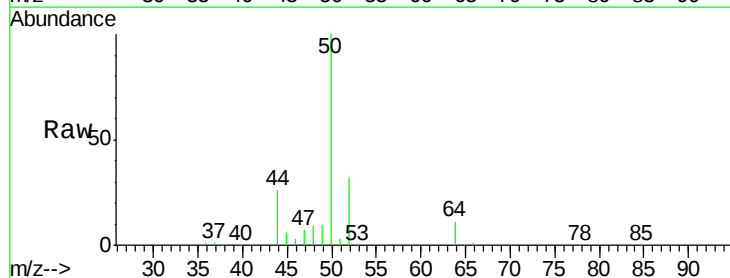
Acq: 23 Jul 2018 14:12

Tgt Ion: 50 Resp: 101934

Ion Ratio Lower Upper

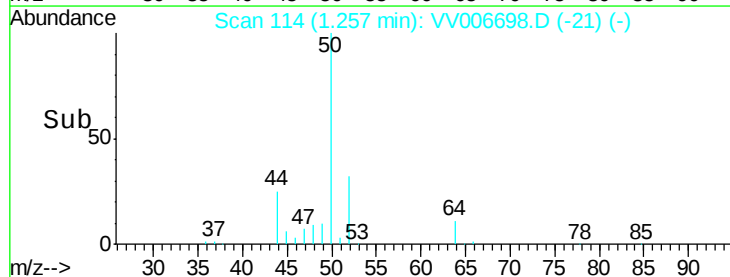
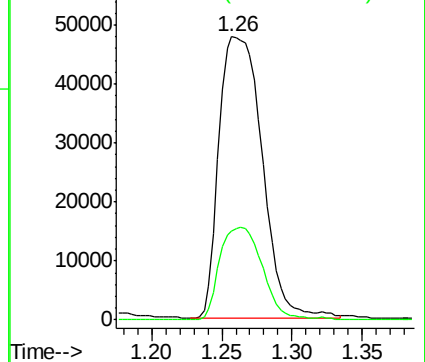
50 100

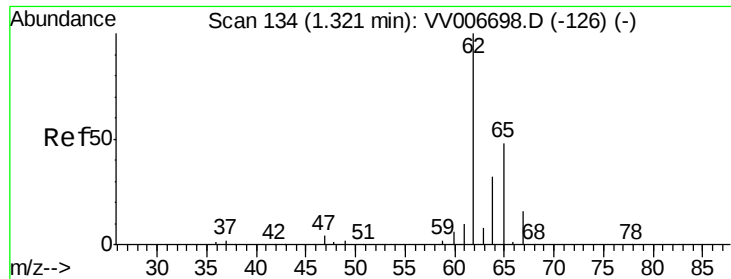
52 31.6 22.1 41.1



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.107 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

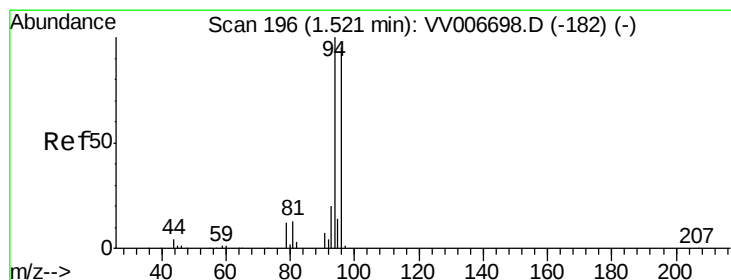
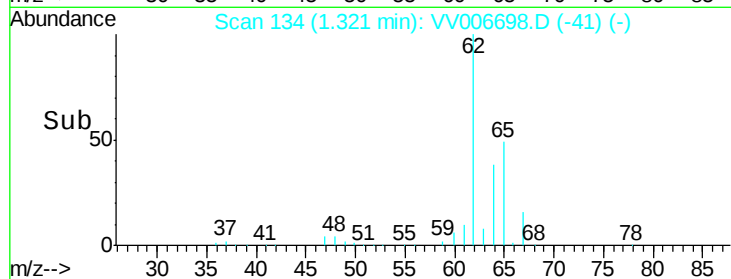
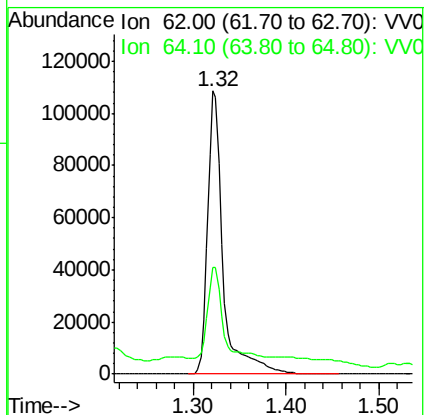
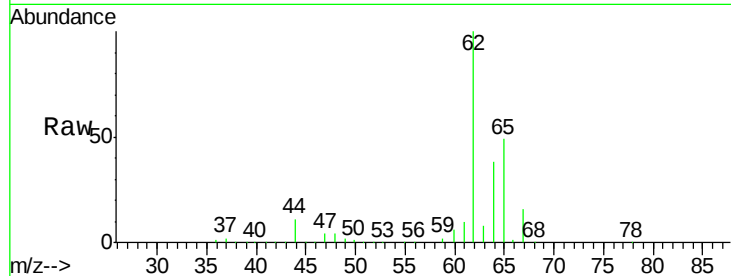
Instrument :
MSVOA_V
ClientSampleId :
VSTD00577

Tgt Ion: 62 Resp: 125728

Ion Ratio Lower Upper

62 100

64 37.9 26.5 49.3



#6

Bromomethane

Concen: 4.737 ug/L

RT: 1.52 min Scan# 196

Delta R.T. 0.00 min

Lab File: VV006698.D

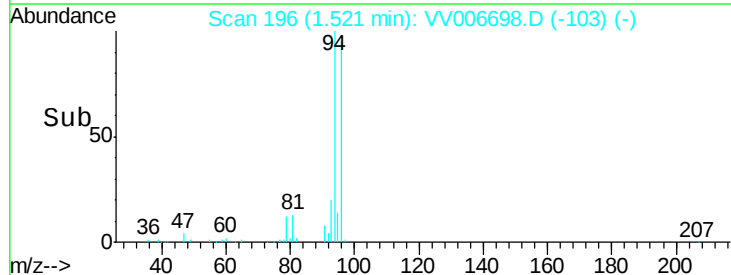
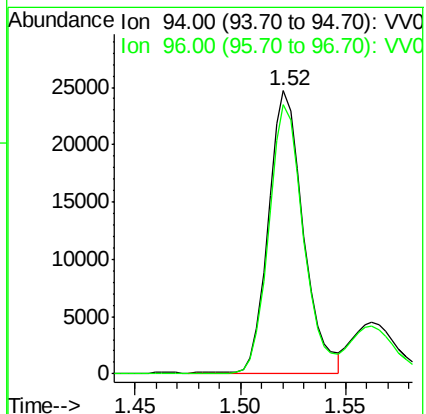
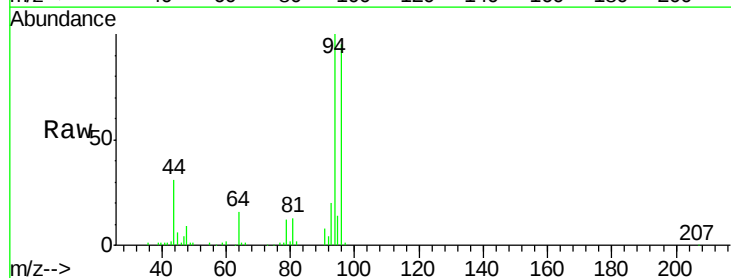
Acq: 23 Jul 2018 14:12

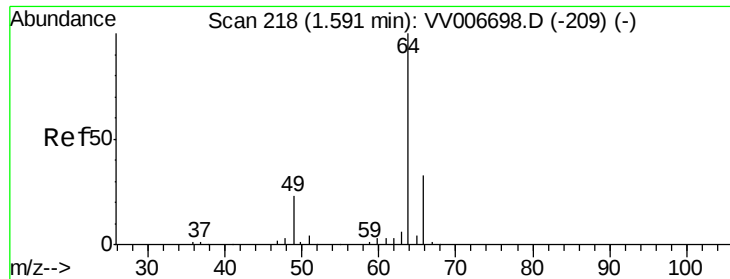
Tgt Ion: 94 Resp: 28539

Ion Ratio Lower Upper

94 100

96 94.9 66.4 123.4





#8

Chloroethane

Concen: 4.938 ug/L

RT: 1.59 min Scan# 218

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

Instrument :

MSVOA_V

ClientSampleId :

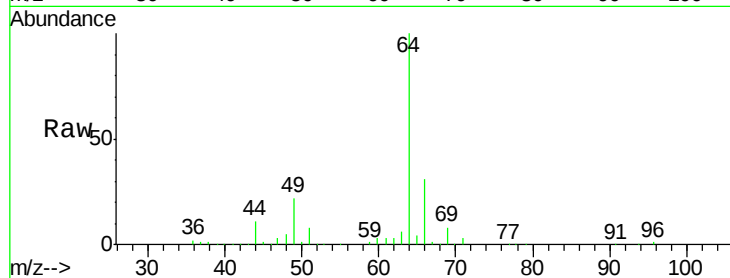
VSTD00577

Tgt Ion: 64 Resp: 66523

Ion Ratio Lower Upper

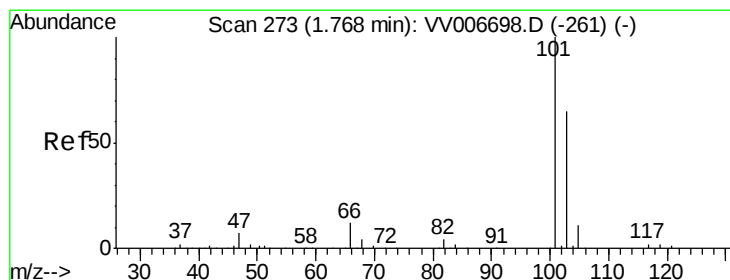
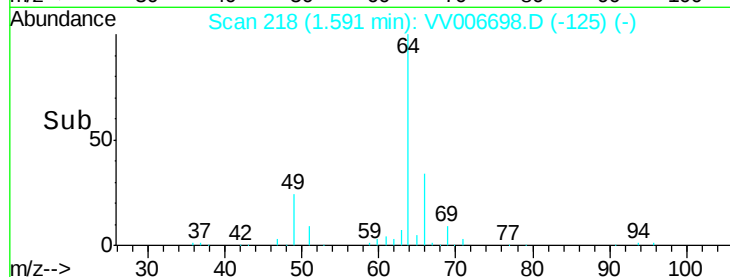
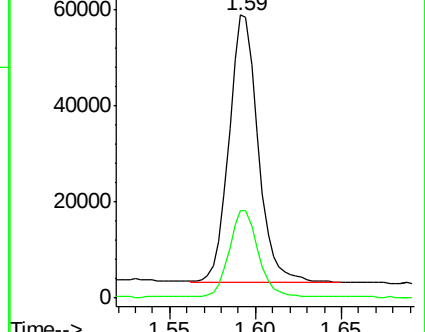
64 100

66 31.1 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VV006698.D (-209) (-)

Ion 66.05 (65.75 to 66.75): VV006698.D (-209) (-)



#9

Trichlorofluoromethane

Concen: 5.122 ug/L

RT: 1.77 min Scan# 273

Delta R.T. 0.00 min

Lab File: VV006698.D

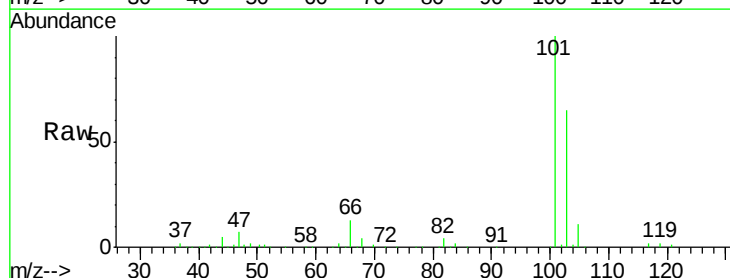
Acq: 23 Jul 2018 14:12

Tgt Ion: 101 Resp: 144647

Ion Ratio Lower Upper

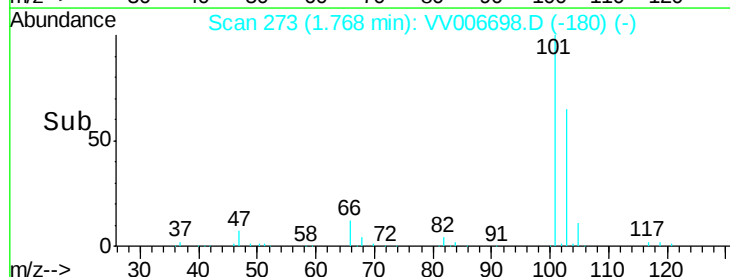
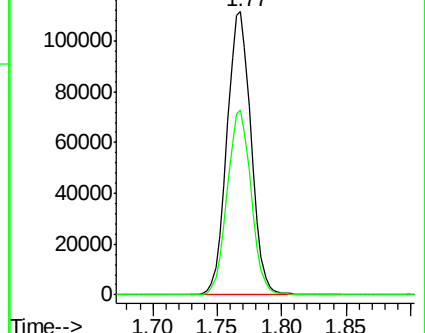
101 100

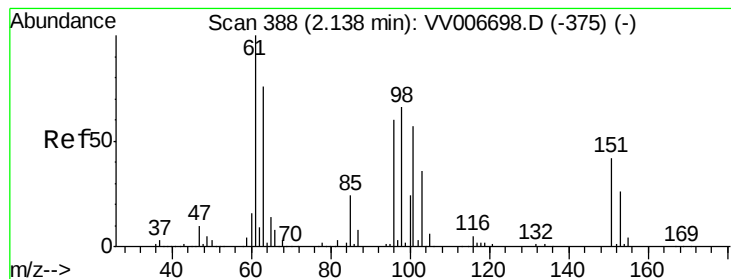
103 64.7 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV006698.D (-261) (-)

Ion 103.00 (102.70 to 103.70): VV006698.D (-261) (-)





#10

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

Concen: 5.217 ug/L

RT: 2.14 min Scan# 388

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00577

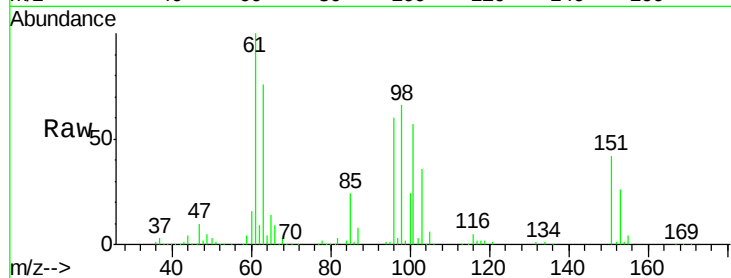
Tgt Ion: 101 Resp: 89773

Ion Ratio Lower Upper

101 100

85 41.4 33.1 49.7

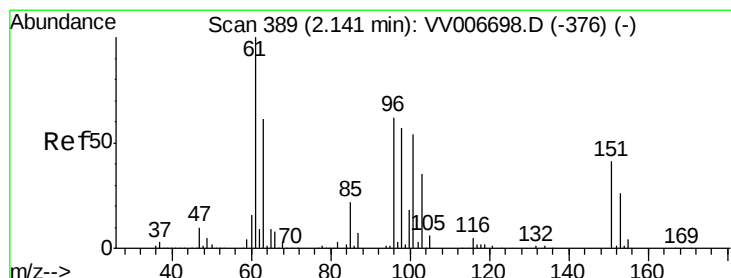
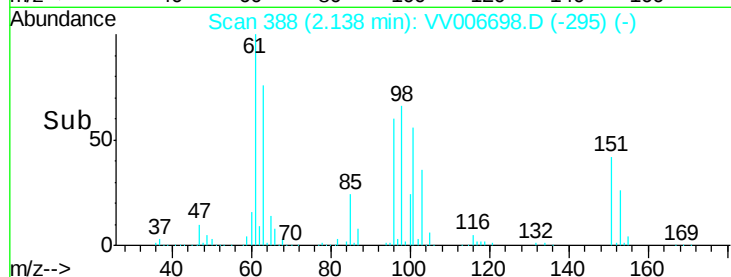
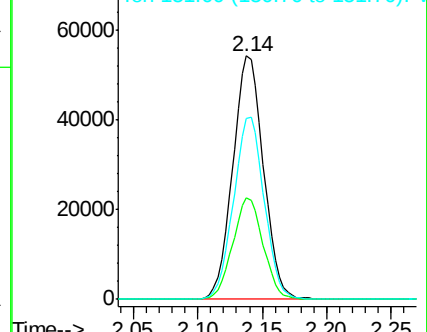
151 74.6 59.7 89.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.090 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

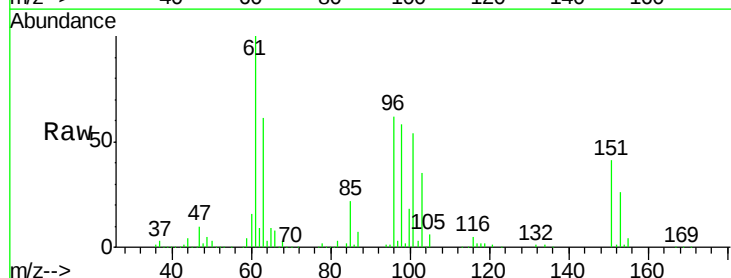
Tgt Ion: 96 Resp: 85776

Ion Ratio Lower Upper

96 100

61 162.2 113.5 210.9

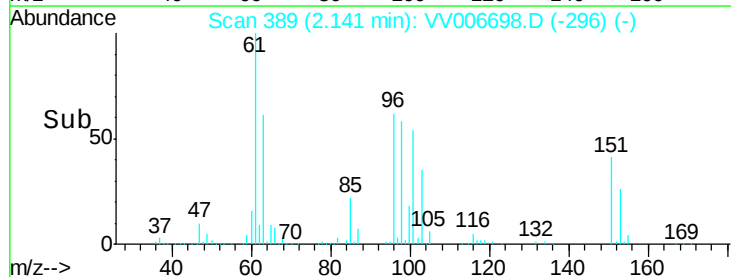
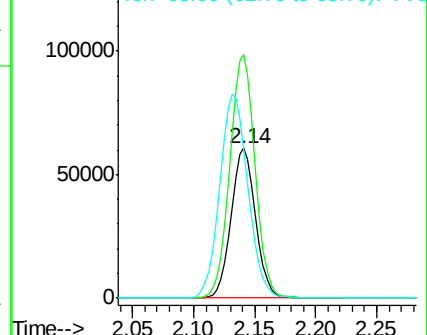
63 99.3 69.5 129.1

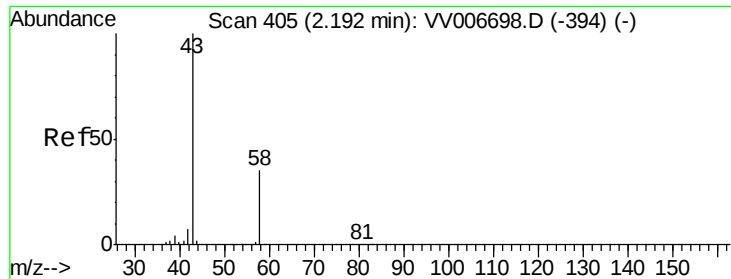


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 50.930 ug/L

RT: 2.19 min Scan# 405

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

Instrument :

MSVOA_V

ClientSampleId :

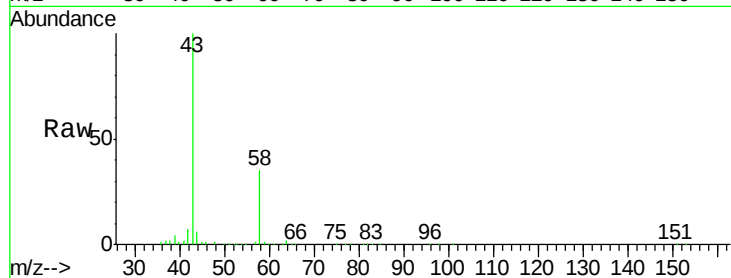
VSTD00577

Tgt Ion: 43 Resp: 135548

Ion Ratio Lower Upper

43 100

58 35.7 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV006698.D (-394) (-)

Ion 58.05 (57.75 to 58.75): VV006698.D (-394) (-)

2.19

100000

80000

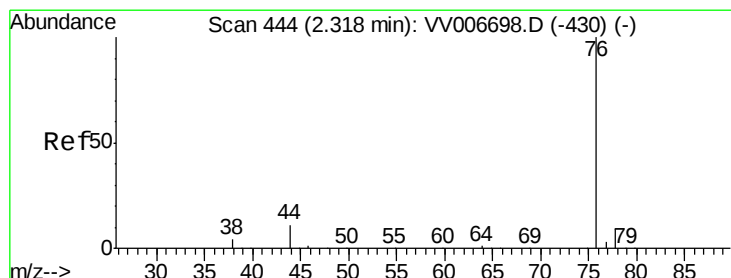
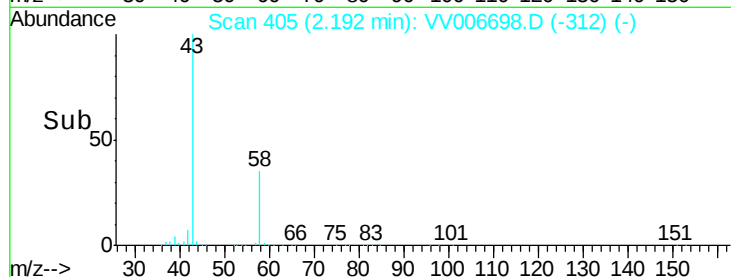
60000

40000

20000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 5.045 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV006698.D

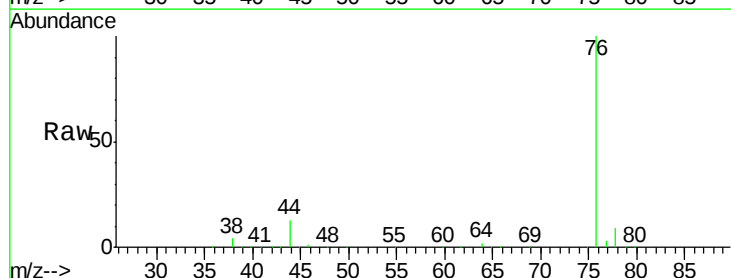
Acq: 23 Jul 2018 14:12

Tgt Ion: 76 Resp: 285873

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV006698.D (-430) (-)

Ion 78.00 (77.70 to 78.70): VV006698.D (-430) (-)

2.32

200000

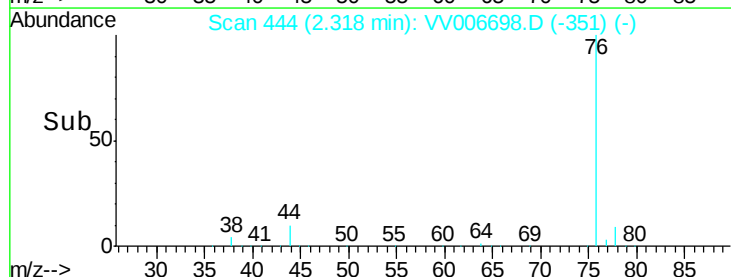
150000

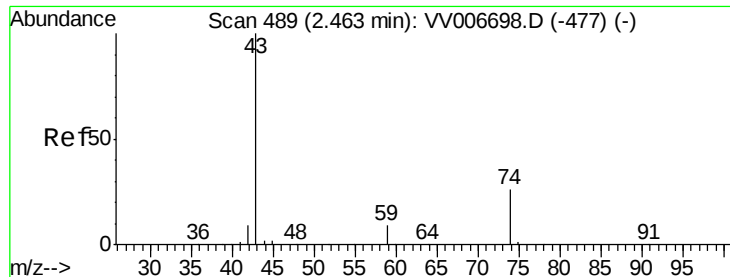
100000

50000

0

Time--> 2.25 2.30 2.35 2.40





#15

Methyl Acetate

Concen: 5.033 ug/L

RT: 2.46 min Scan# 489

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

Instrument :

MSVOA_V

ClientSampleId :

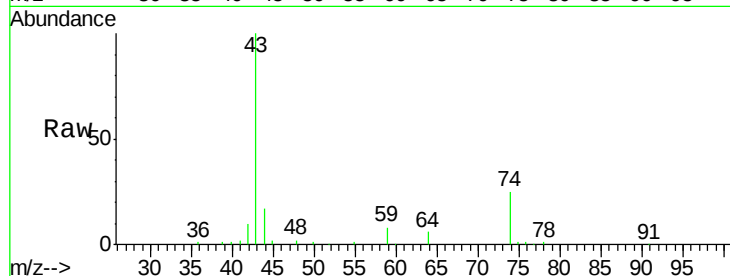
VSTD00577

Tgt Ion: 43 Resp: 39708

Ion Ratio Lower Upper

43 100

74 25.8 20.6 31.0



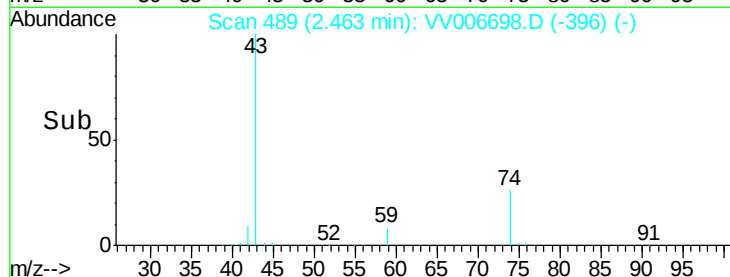
Abundance Ion 43.05 (42.75 to 43.75): VV006698.D (-477) (-)

Ion 74.05 (73.75 to 74.75): VV006698.D (-477) (-)

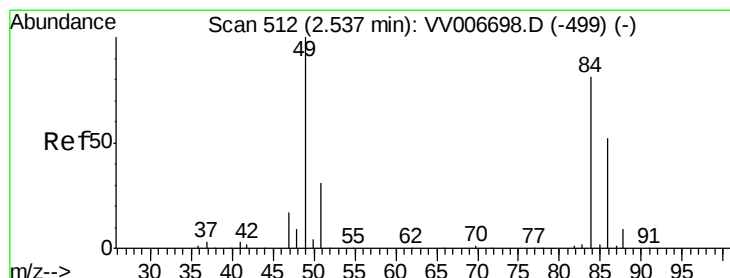
2.46

2.45

2.50



Time-->



#16

Methylene chloride

Concen: 4.786 ug/L

RT: 2.54 min Scan# 512

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

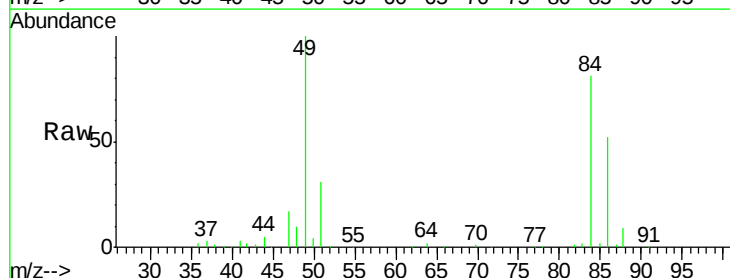
Tgt Ion: 84 Resp: 92461

Ion Ratio Lower Upper

84 100

86 63.9 44.7 83.1

49 123.8 86.7 160.9



Abundance Ion 84.05 (83.75 to 84.75): VV006698.D (-499) (-)

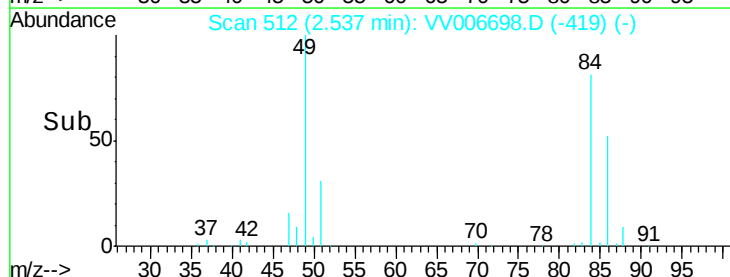
Ion 86.00 (85.70 to 86.70): VV006698.D (-499) (-)

Ion 49.10 (48.80 to 49.80): VV006698.D (-499) (-)

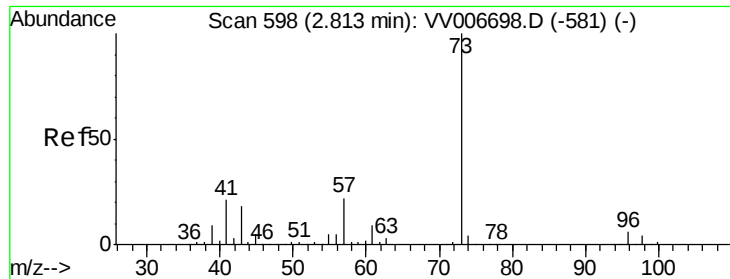
2.54

2.55

2.60



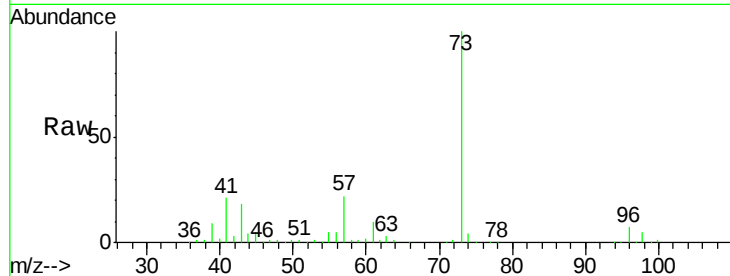
Time-->



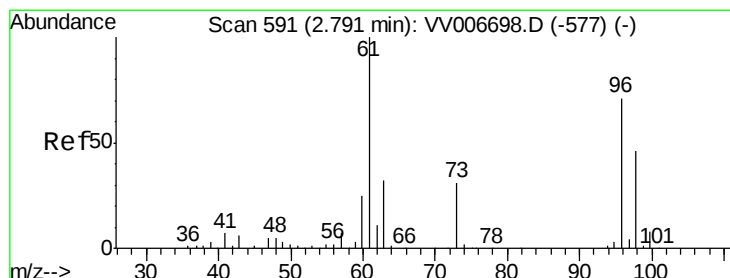
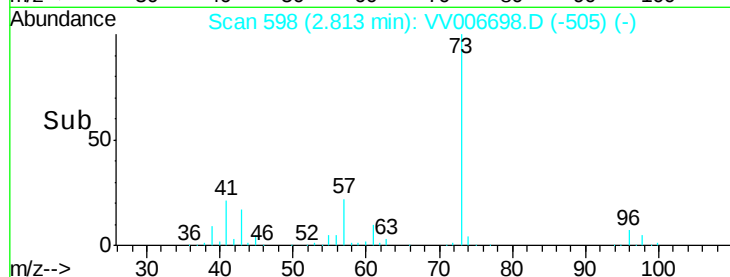
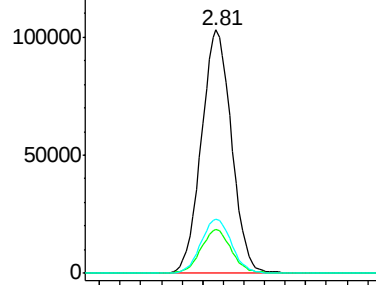
#17
Methyl tert-butyl Ether
Concen: 5.073 ug/L
RT: 2.81 min Scan# 598
Delta R.T. 0.00 min
Lab File: VV006698.D
Acq: 23 Jul 2018 14:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD00577

Tgt Ion: 73 Resp: 209718
Ion Ratio Lower Upper
73 100
43 17.8 14.2 21.4
57 22.7 18.2 27.2

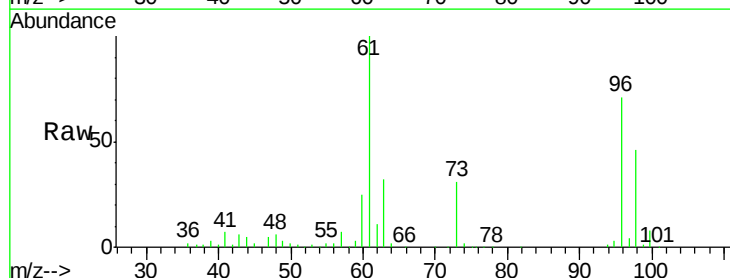


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

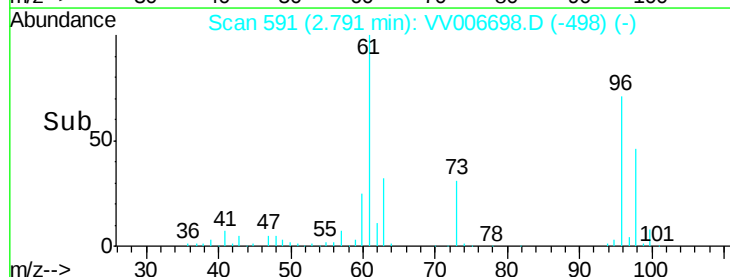
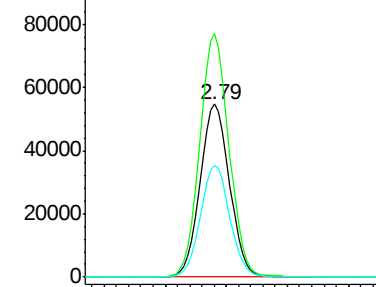


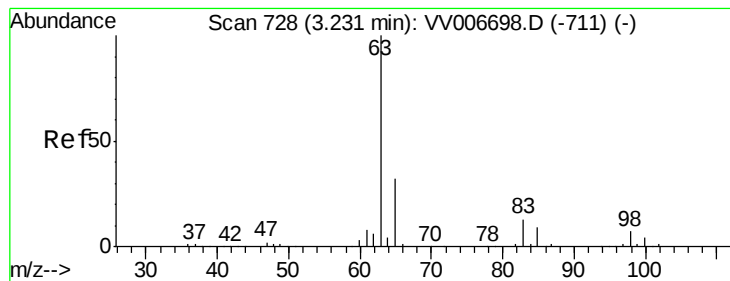
#18
trans-1,2-Dichloroethene
Concen: 5.046 ug/L
RT: 2.79 min Scan# 591
Delta R.T. 0.00 min
Lab File: VV006698.D
Acq: 23 Jul 2018 14:12

Tgt Ion: 96 Resp: 92363
Ion Ratio Lower Upper
96 100
61 140.7 98.5 182.9
98 64.9 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 5.091 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

Instrument :

MSVOA_V

ClientSampled :

VSTD00577

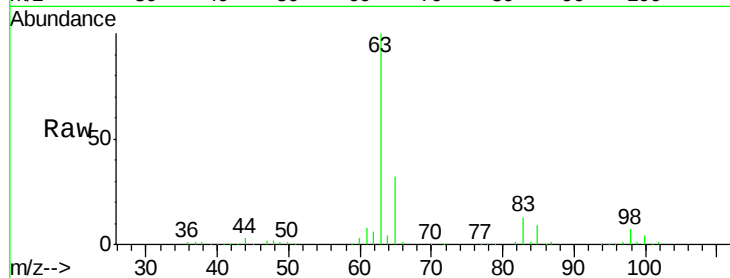
Tgt Ion: 63 Resp: 171428

Ion Ratio Lower Upper

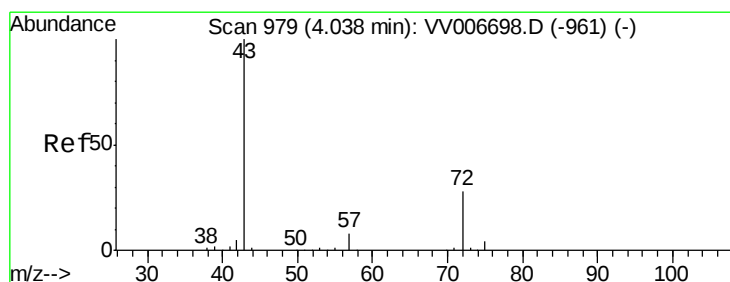
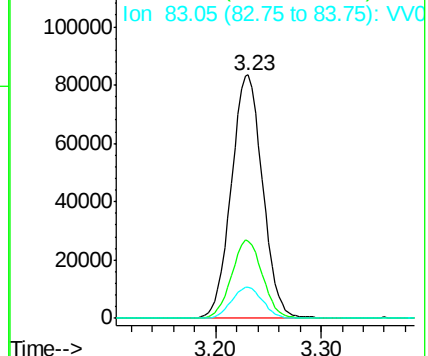
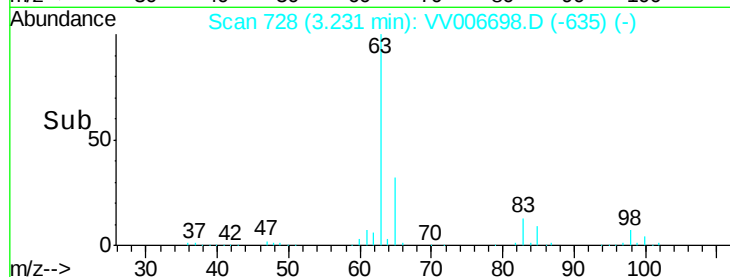
63 100

65 32.0 22.4 41.6

83 12.9 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VV006698.D (-635) (-)



#21

2-Butanone

Concen: 50.711 ug/L

RT: 4.04 min Scan# 979

Delta R.T. 0.00 min

Lab File: VV006698.D

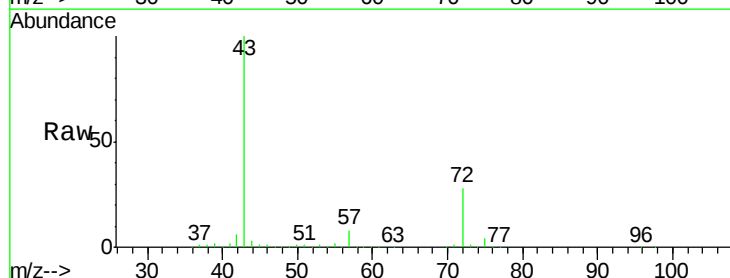
Acq: 23 Jul 2018 14:12

Tgt Ion: 43 Resp: 226059

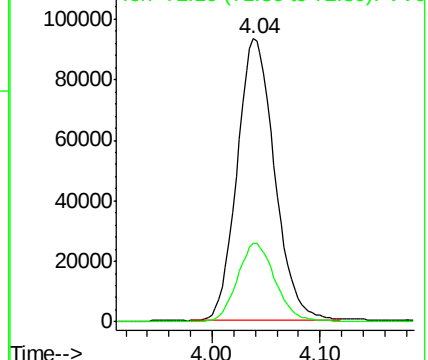
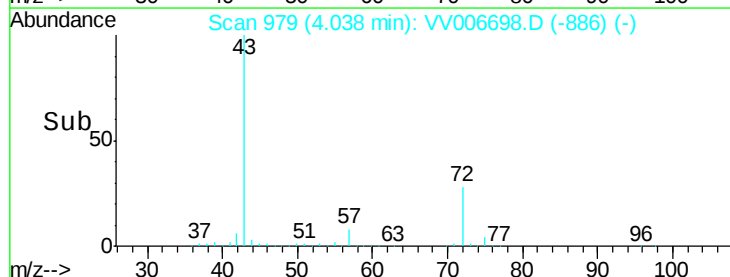
Ion Ratio Lower Upper

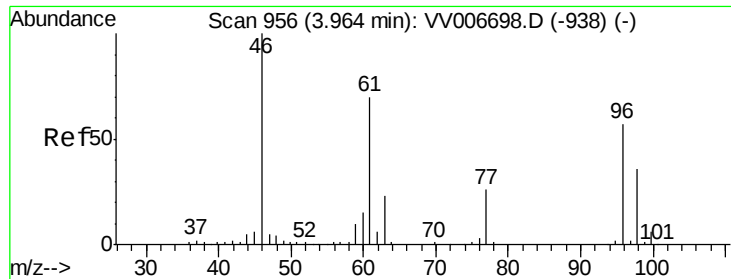
43 100

72 27.6 13.8 41.4



Abundance Ion 43.05 (42.75 to 43.75): VV006698.D (-886) (-)



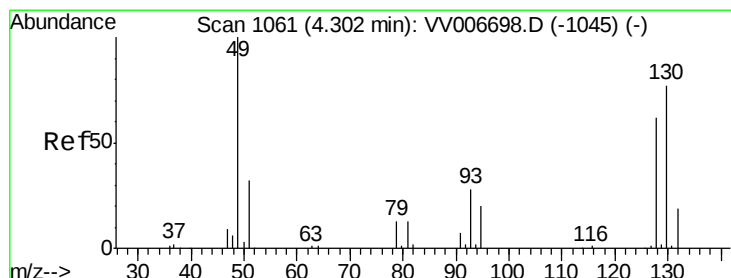
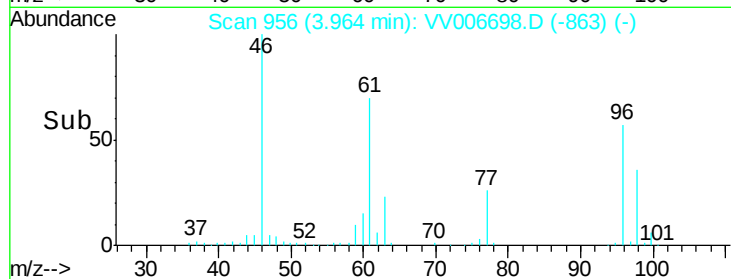
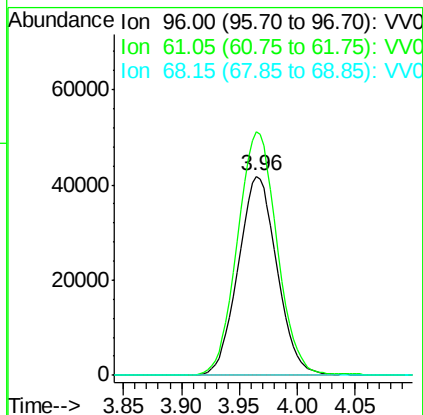
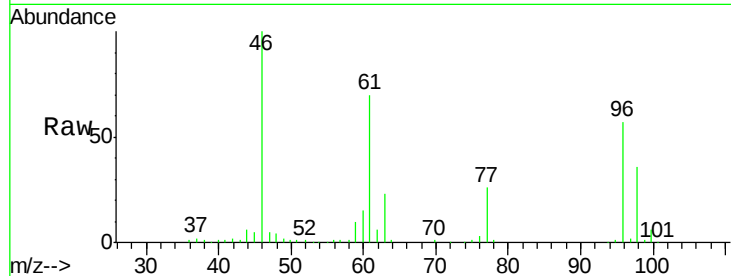


#22

cis-1,2-Dichloroethene
Concen: 5.102 ug/L
RT: 3.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VV006698.D
Acq: 23 Jul 2018 14:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD00577

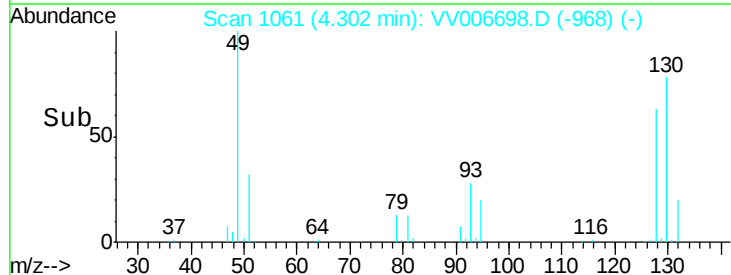
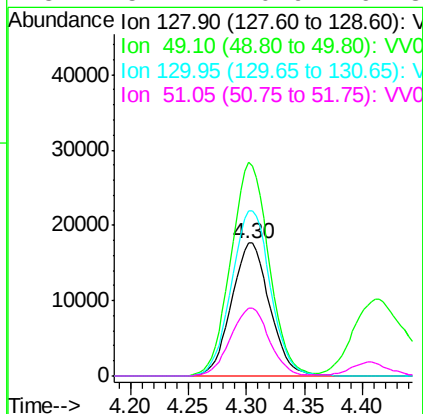
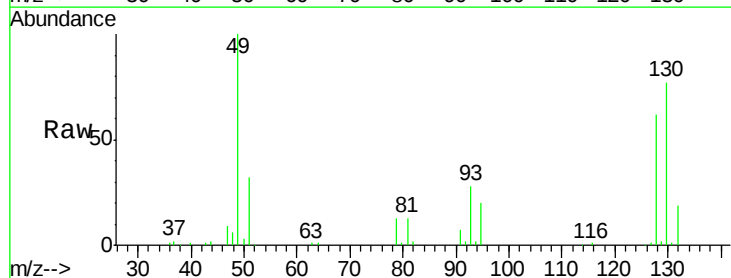
Tgt Ion: 96 Resp: 97381
Ion Ratio Lower Upper
96 100
61 122.2 85.5 158.9
68 0.0 0.0 0.0

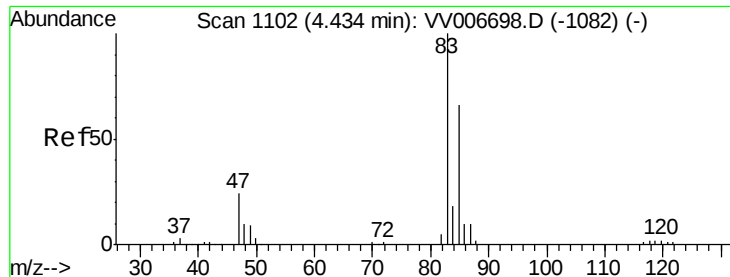


#23

Bromochloromethane
Concen: 5.138 ug/L
RT: 4.30 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VV006698.D
Acq: 23 Jul 2018 14:12

Tgt Ion: 128 Resp: 40356
Ion Ratio Lower Upper
128 100
49 160.8 112.6 209.0
130 124.4 87.1 161.7
51 51.1 40.9 61.3

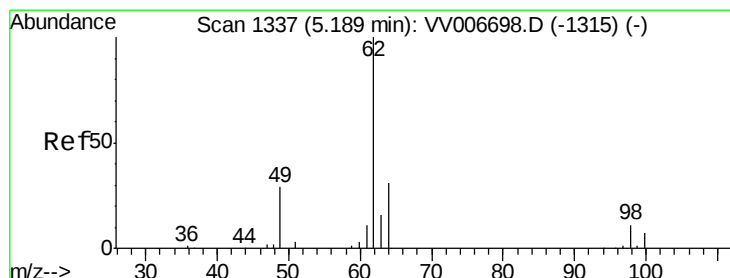
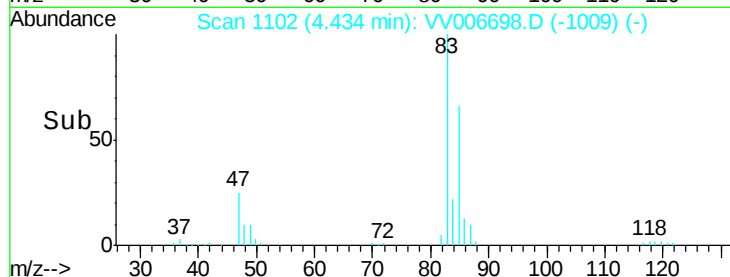
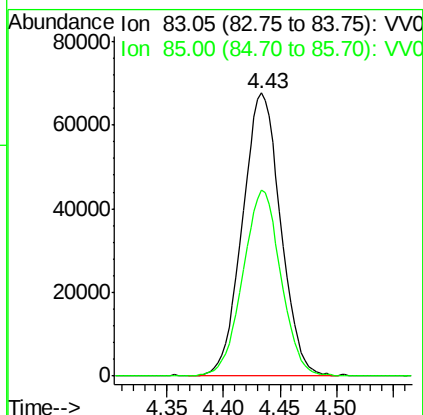
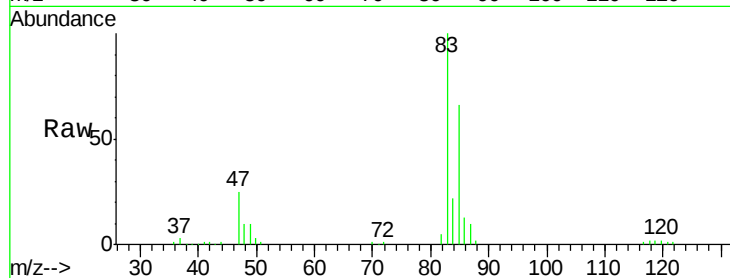




#25
Chloroform
Concen: 5.032 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006698.D
Acq: 23 Jul 2018 14:12

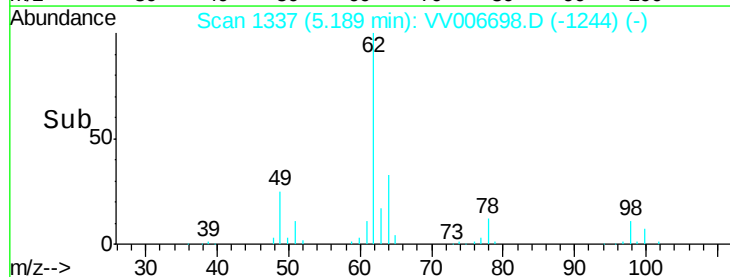
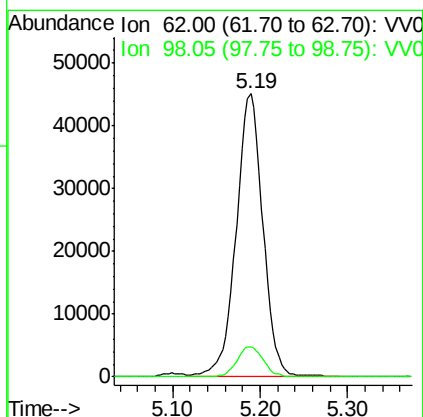
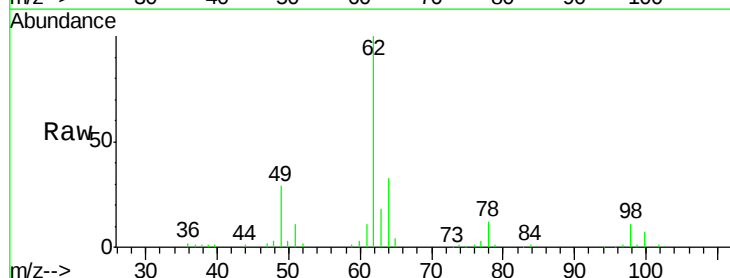
Instrument :
MSVOA_V
ClientSampleId :
VSTD00577

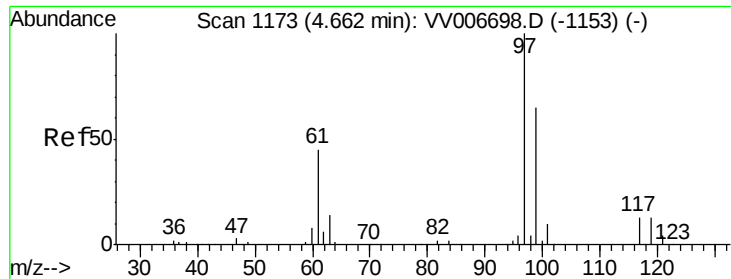
Tgt Ion: 83 Resp: 158976
Ion Ratio Lower Upper
83 100
85 65.8 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.176 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV006698.D
Acq: 23 Jul 2018 14:12

Tgt Ion: 62 Resp: 95946
Ion Ratio Lower Upper
62 100
98 10.5 8.4 12.6

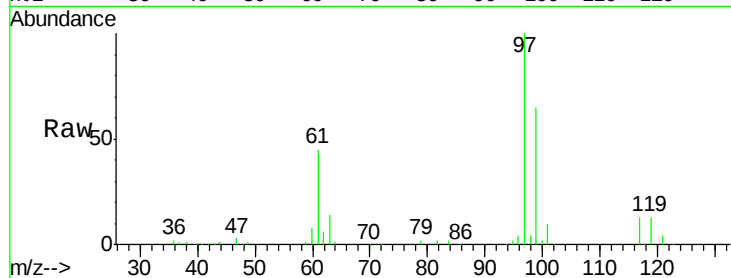




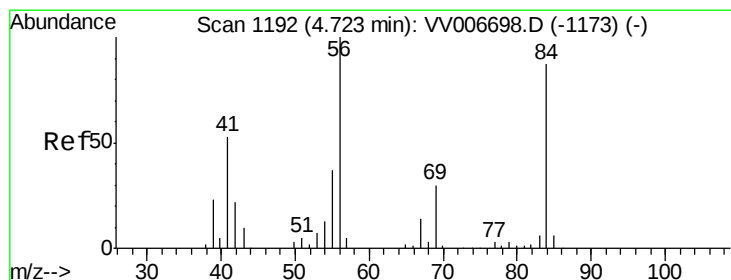
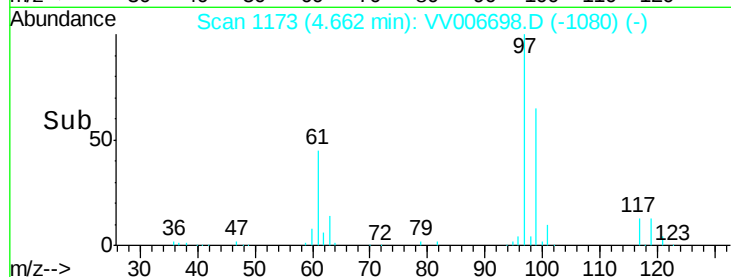
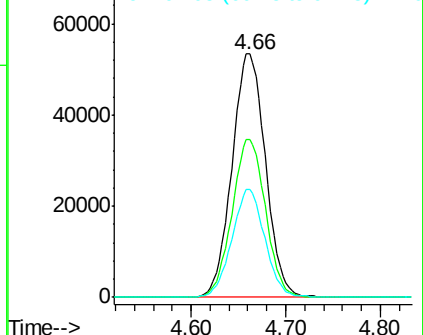
#29
 1,1,1-Trichloroethane
 Concen: 5.101 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV006698.D
 Acq: 23 Jul 2018 14:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

Tgt Ion: 97 Resp: 131538
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.7 77.5
 61 43.6 34.9 52.3

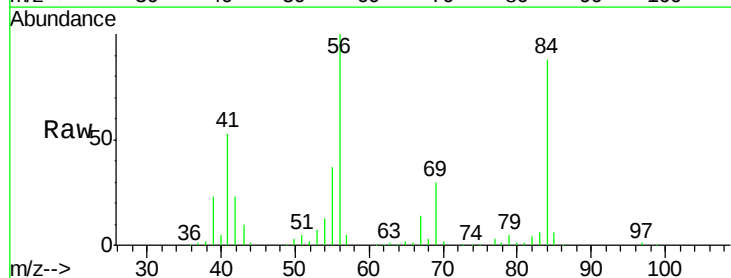


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

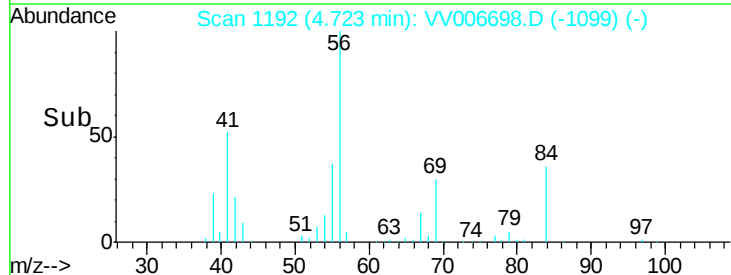
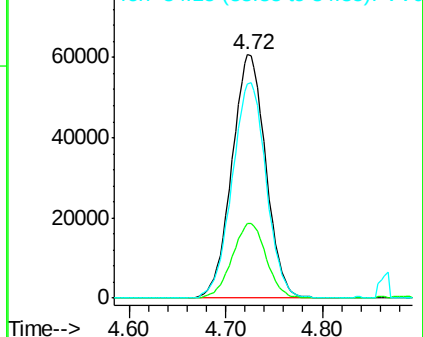


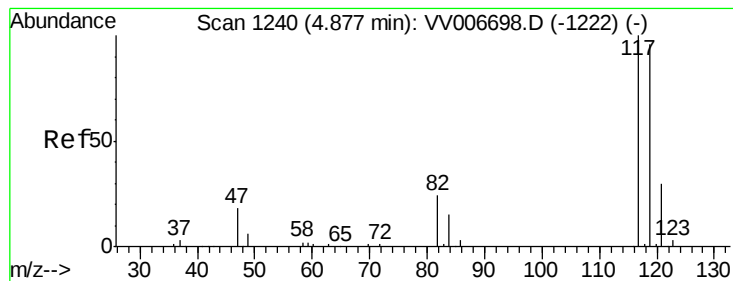
#30
 Cyclohexane
 Concen: 5.108 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VV006698.D
 Acq: 23 Jul 2018 14:12

Tgt Ion: 56 Resp: 147487
 Ion Ratio Lower Upper
 56 100
 69 30.7 24.6 36.8
 84 89.3 71.4 107.2



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.133 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

Instrument :

MSVOA_V

ClientSampled :

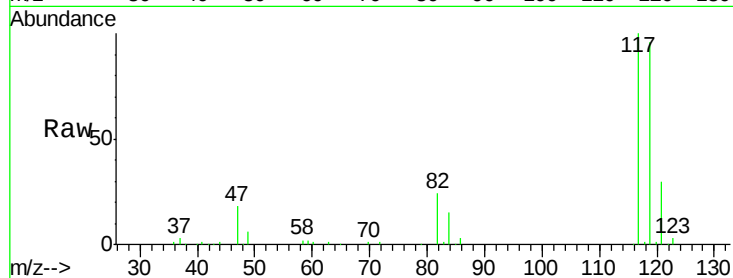
VSTD00577

Tgt Ion:117 Resp: 113145

Ion Ratio Lower Upper

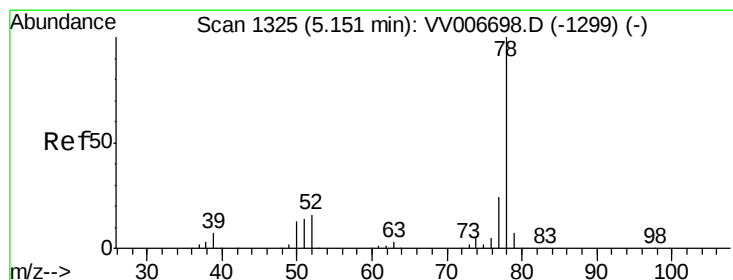
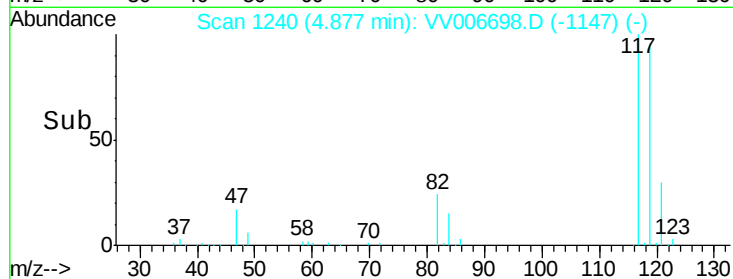
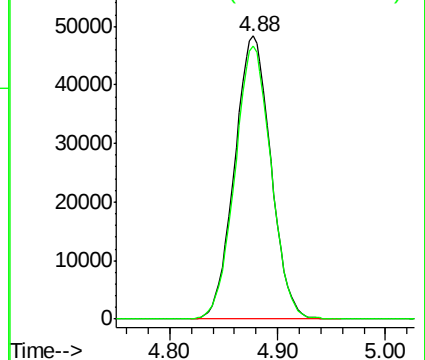
117 100

119 96.3 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.148 ug/L

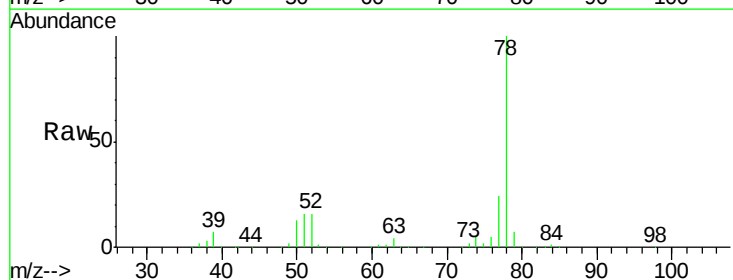
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

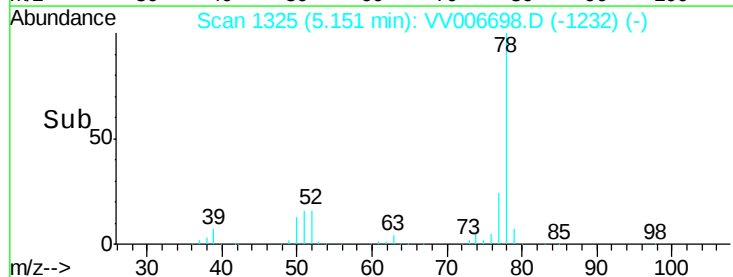
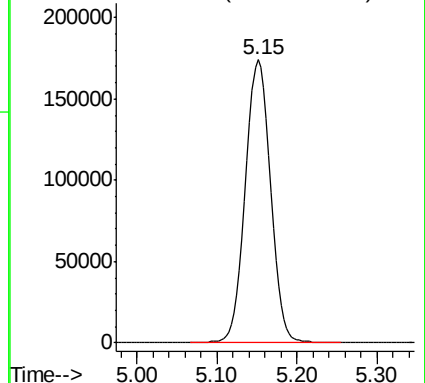
Lab File: VV006698.D

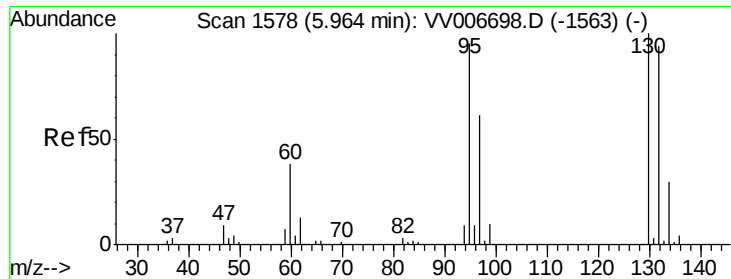
Acq: 23 Jul 2018 14:12

Tgt Ion: 78 Resp: 370947



Abundance Ion 78.10 (77.80 to 78.80): VV0

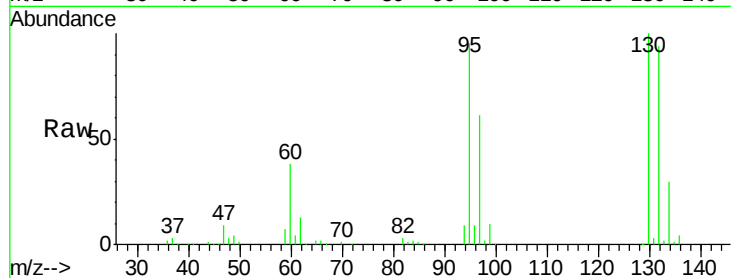




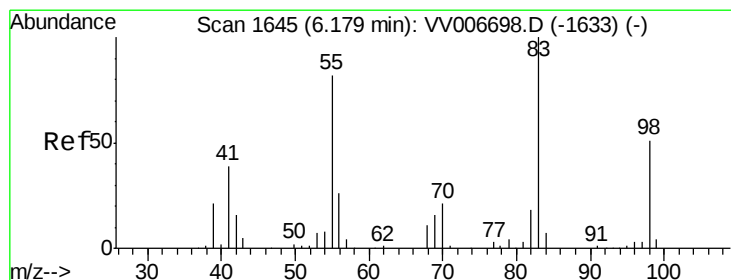
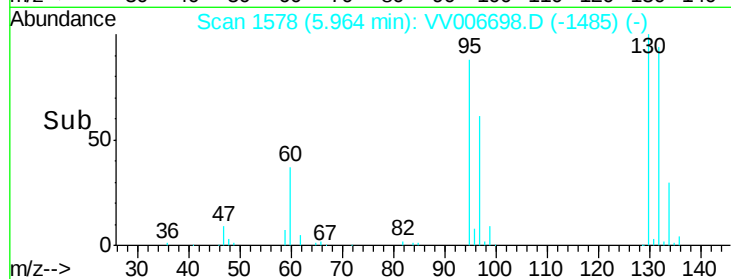
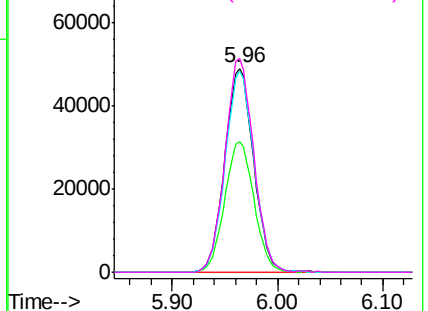
#34
 Trichloroethene
 Concen: 5.112 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV006698.D
 Acq: 23 Jul 2018 14:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

Tgt Ion: 95 Resp: 92987
 Ion Ratio Lower Upper
 95 100
 97 64.1 44.9 83.3
 132 98.4 68.9 127.9
 130 104.9 73.4 136.4

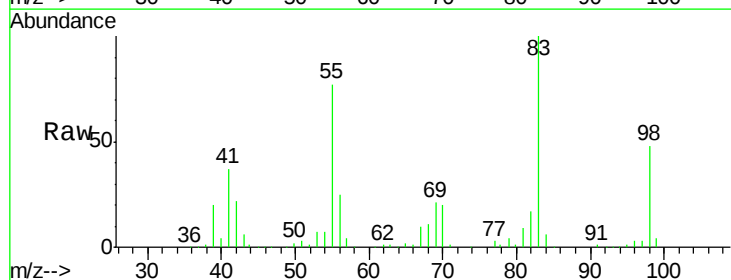


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

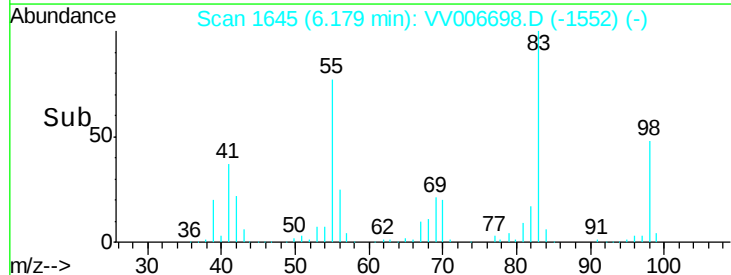
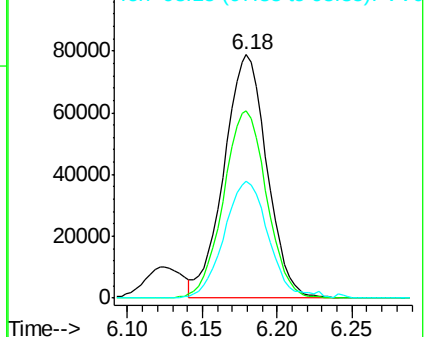


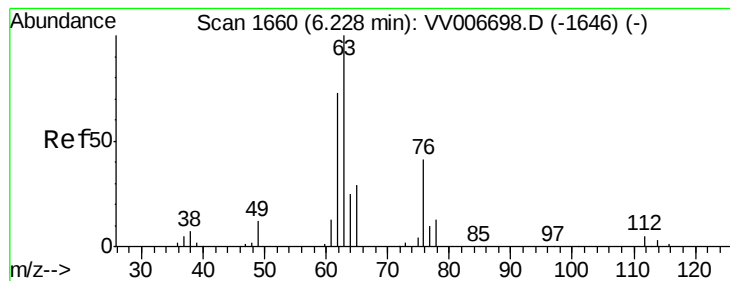
#35
 Methylcyclohexane
 Concen: 5.192 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: VV006698.D
 Acq: 23 Jul 2018 14:12

Tgt Ion: 83 Resp: 157755
 Ion Ratio Lower Upper
 83 100
 55 77.4 61.9 92.9
 98 49.6 39.7 59.5



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: 5.121 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

Instrument :

MSVOA_V

ClientSampled :

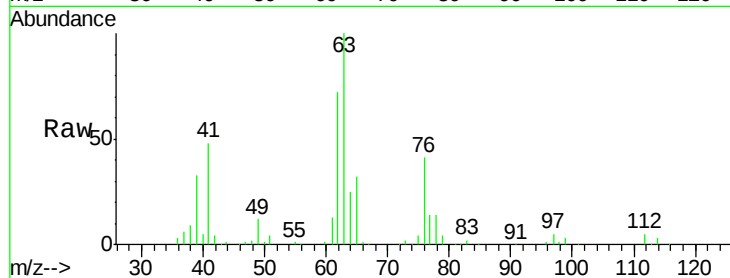
VSTD00577

Tgt Ion: 63 Resp: 94721

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



Abundance Ion 63.10 (62.80 to 63.80): VV006698.D (-1646) (-)

Ion 112.10 (111.80 to 112.80): VV006698.D (-1646) (-)

6.23

50000

40000

30000

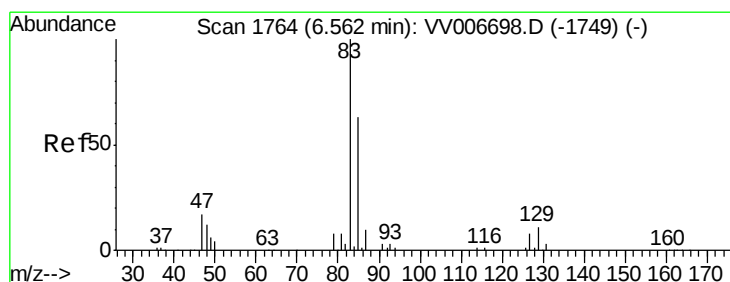
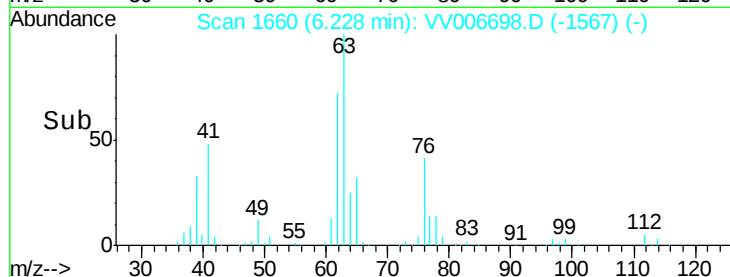
20000

10000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.132 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

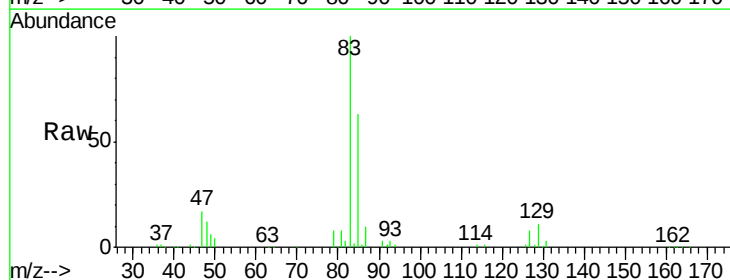
Tgt Ion: 83 Resp: 106034

Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.4

127 8.2 6.6 9.8



Abundance Ion 82.95 (82.65 to 83.65): VV006698.D (-1749) (-)

Ion 85.00 (84.70 to 85.70): VV006698.D (-1749) (-)

Ion 126.90 (126.60 to 127.60): VV006698.D (-1749) (-)

6.56

80000

60000

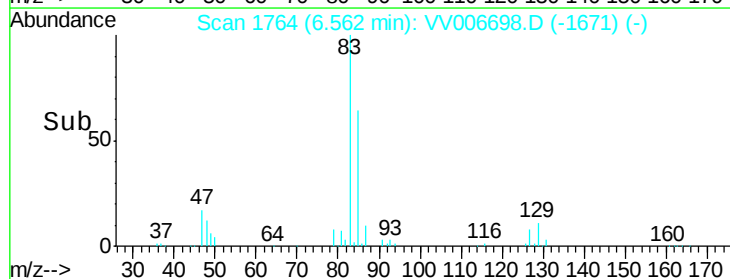
40000

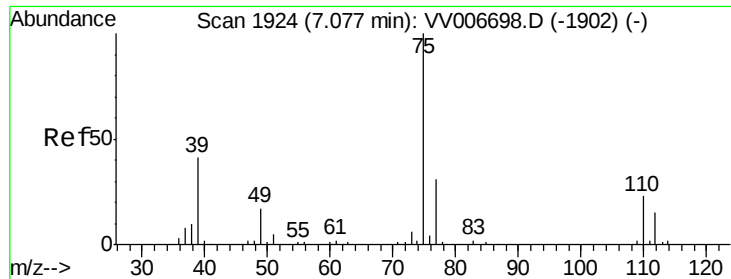
20000

0

6.50 6.55 6.60 6.65 6.70

Time-->

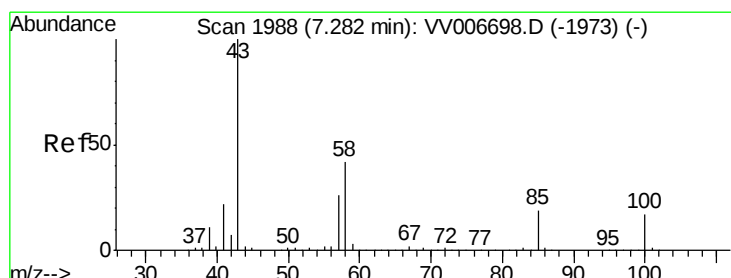
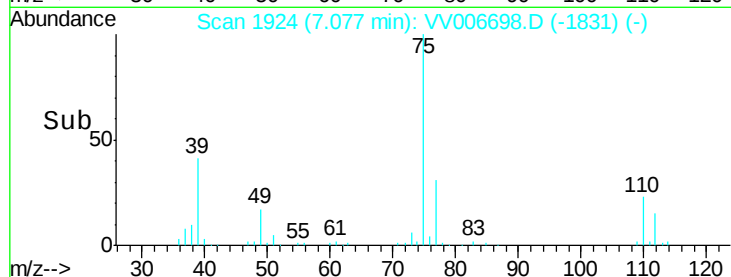
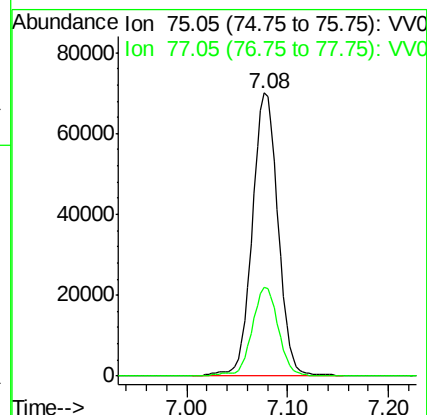
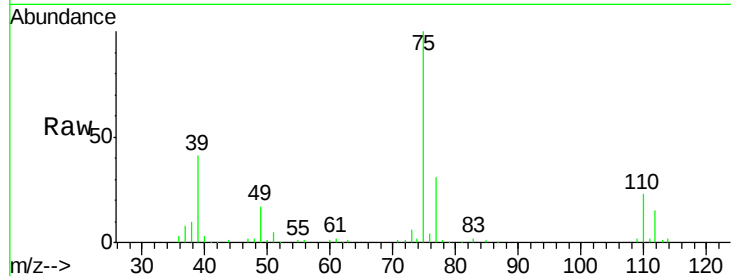




#39
 cis-1,3-Dichloropropene
 Concen: 5.121 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006698.D
 Acq: 23 Jul 2018 14:12

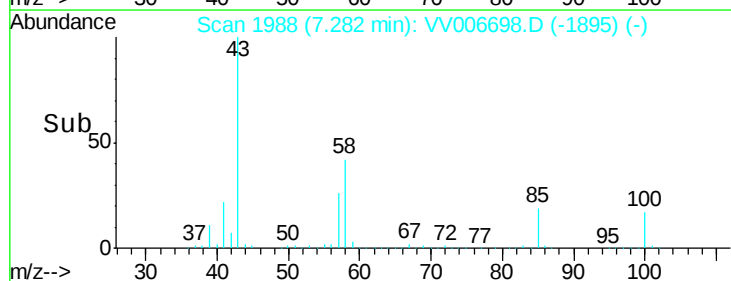
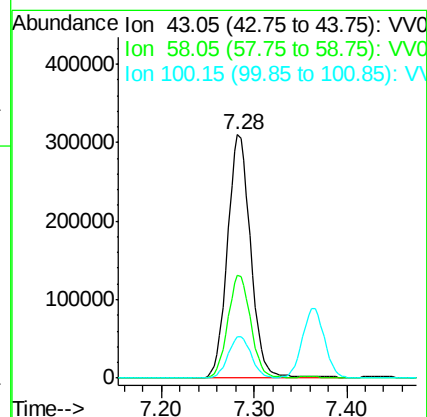
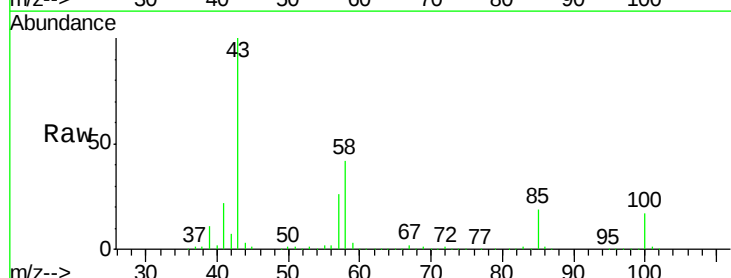
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

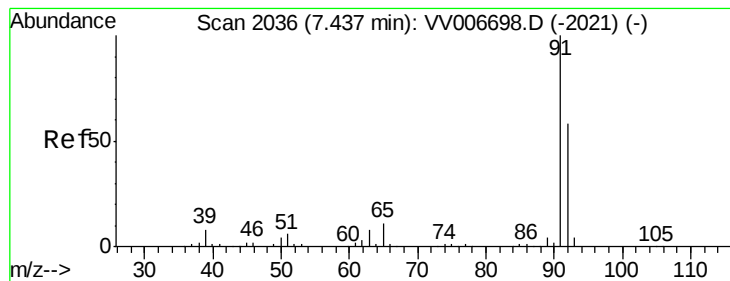
Tgt Ion: 75 Resp: 123386
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 52.942 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VV006698.D
 Acq: 23 Jul 2018 14:12

Tgt Ion: 43 Resp: 538339
 Ion Ratio Lower Upper
 43 100
 58 41.7 33.4 50.0
 100 17.0 13.6 20.4





#42

Toluene

Concen: 5.217 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

Instrument :

MSVOA_V

ClientSampleId :

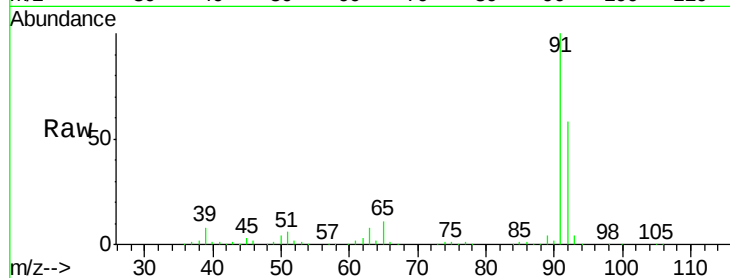
VSTD00577

Tgt Ion: 91 Resp: 387079

Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV006698.D (-2021) (-)

Ion 92.15 (91.85 to 92.85): VV006698.D (-2021) (-)

7.44

250000

200000

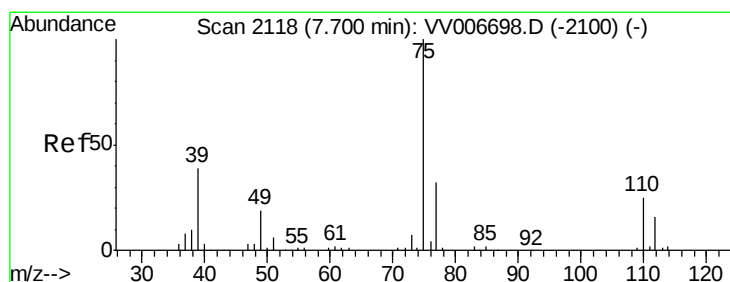
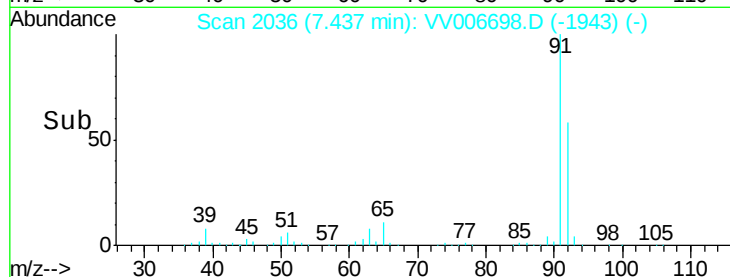
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.206 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006698.D

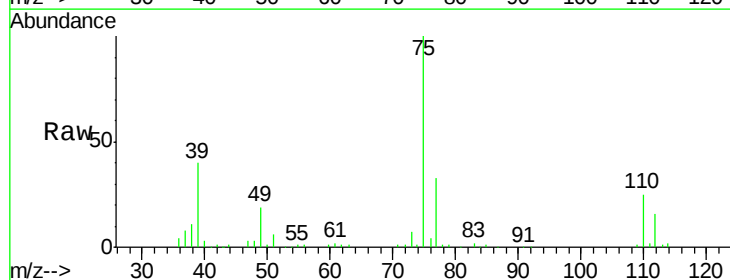
Acq: 23 Jul 2018 14:12

Tgt Ion: 75 Resp: 98629

Ion Ratio Lower Upper

75 100

77 32.6 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV006698.D (-2100) (-)

Ion 77.05 (76.75 to 77.75): VV006698.D (-2100) (-)

7.70

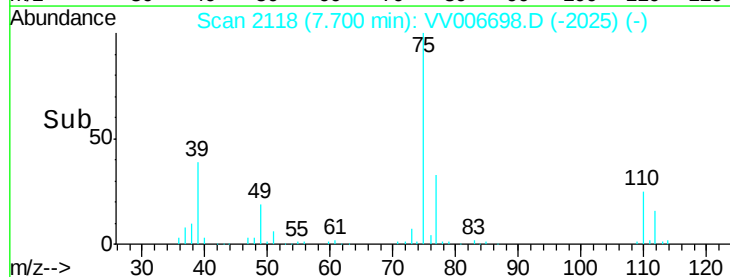
60000

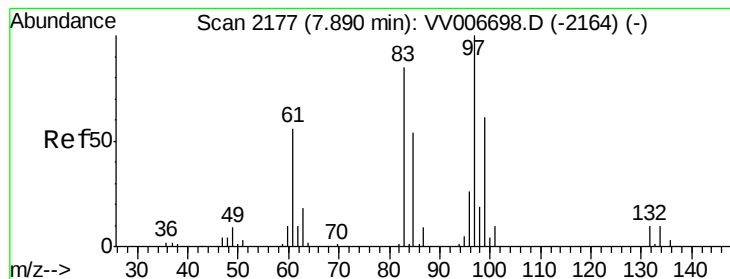
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.210 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00577

Tgt Ion: 97 Resp: 64911

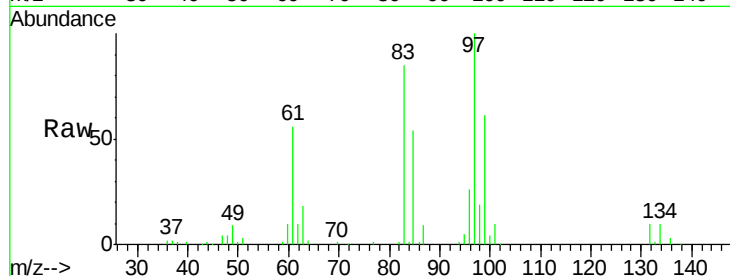
Ion Ratio Lower Upper

97 100

99 61.4 43.0 79.8

83 84.9 59.4 110.4

85 53.6 37.5 69.7

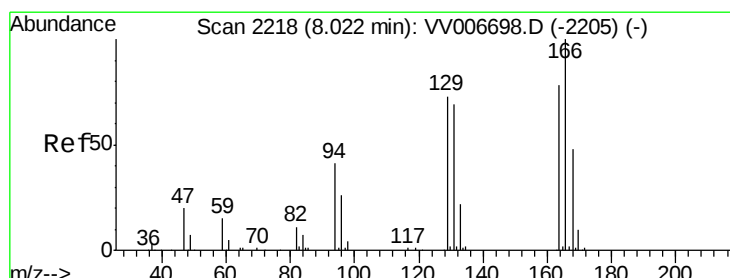
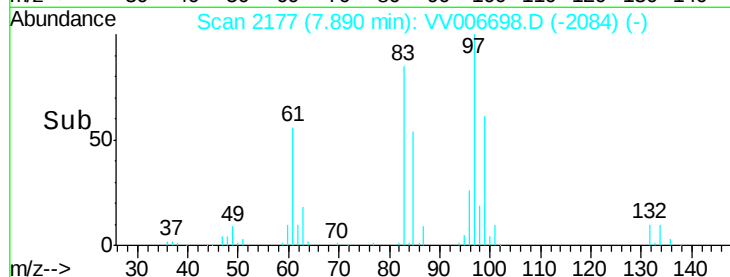
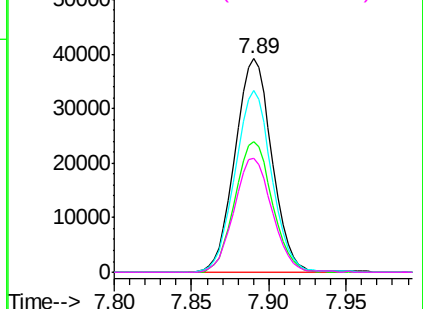


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 5.223 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

Tgt Ion: 164 Resp: 75462

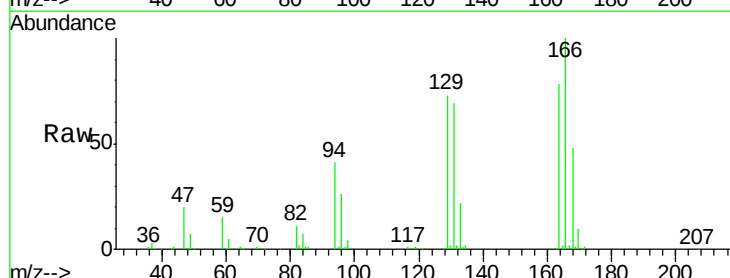
Ion Ratio Lower Upper

164 100

129 92.9 65.0 120.8

131 88.5 61.9 115.1

166 127.6 89.3 165.9

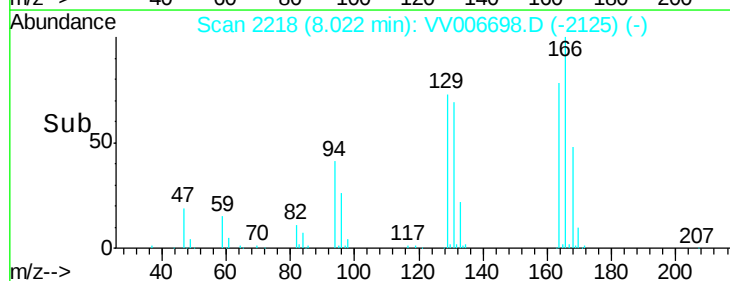
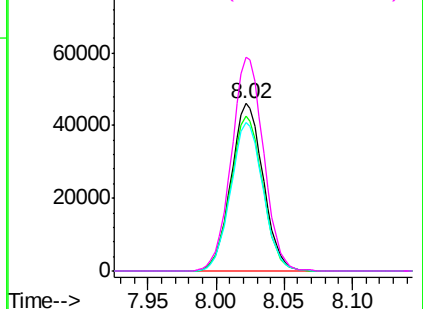


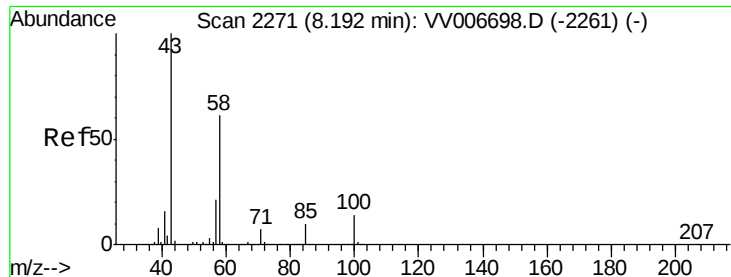
Abundance Ion 163.90 (163.60 to 164.60): V

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

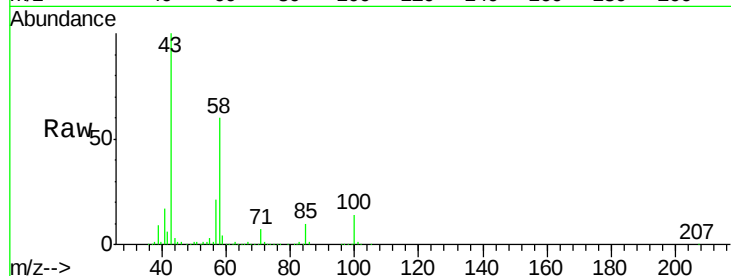




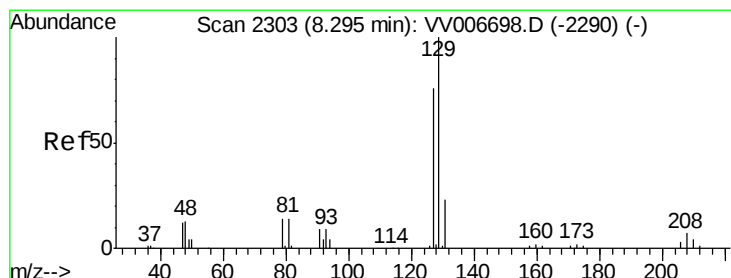
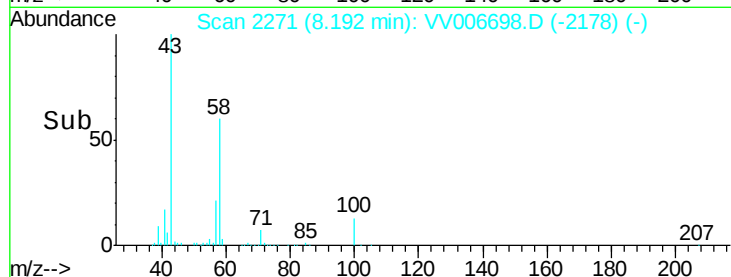
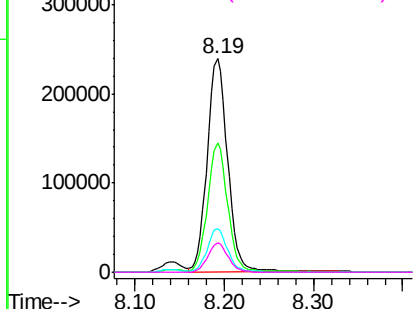
#48
2-Hexanone
Concen: 53.769 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV006698.D
Acq: 23 Jul 2018 14:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD00577

Tgt Ion: 43 Resp: 381502
Ion Ratio Lower Upper
43 100
58 59.0 47.2 70.8
57 20.1 16.1 24.1
100 13.9 11.1 16.7

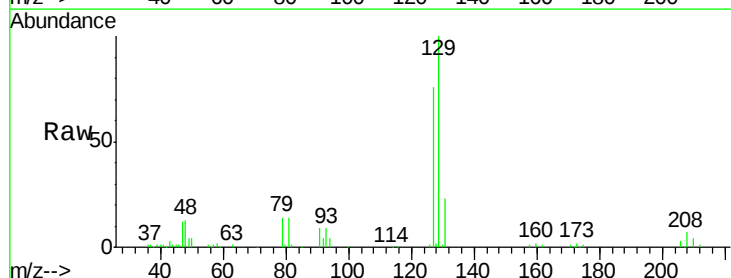


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

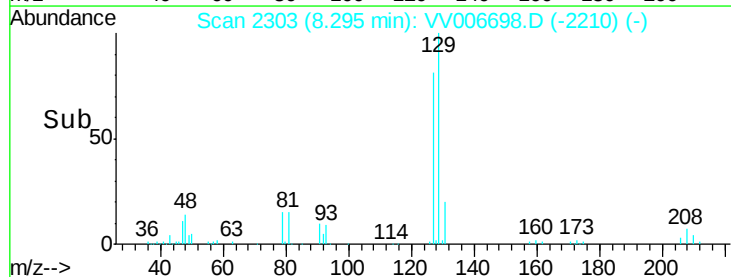
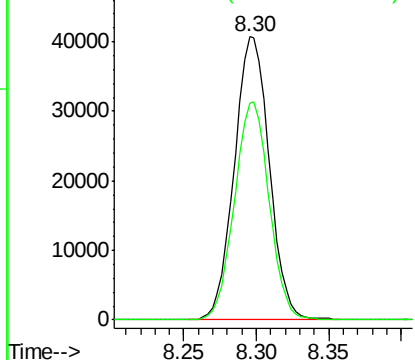


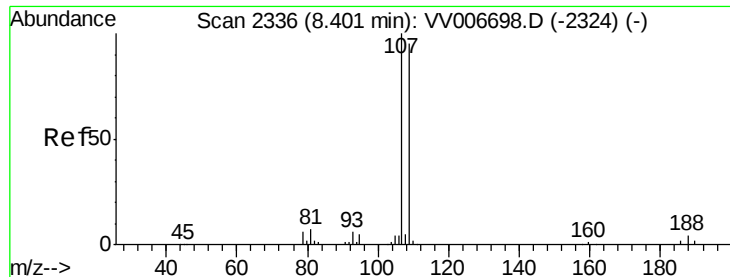
#49
Dibromochloromethane
Concen: 5.183 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV006698.D
Acq: 23 Jul 2018 14:12

Tgt Ion: 129 Resp: 68341
Ion Ratio Lower Upper
129 100
127 76.5 53.5 99.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

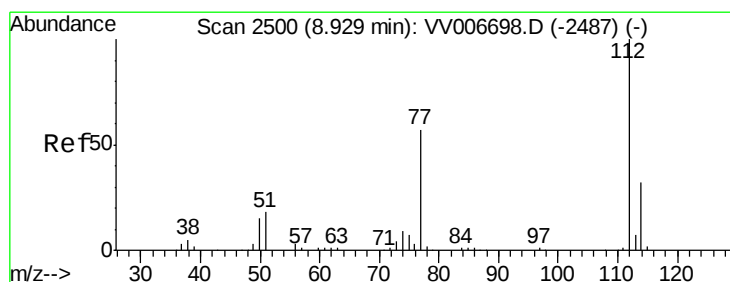
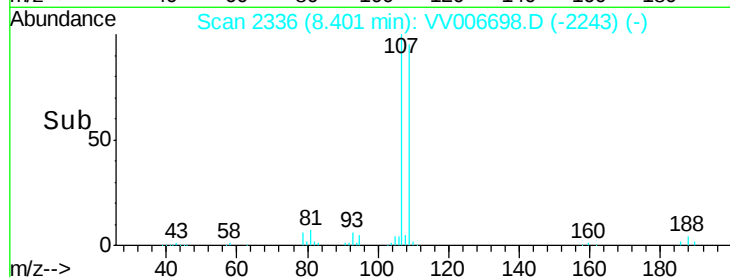
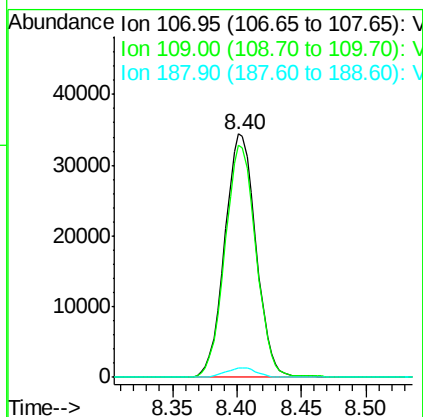
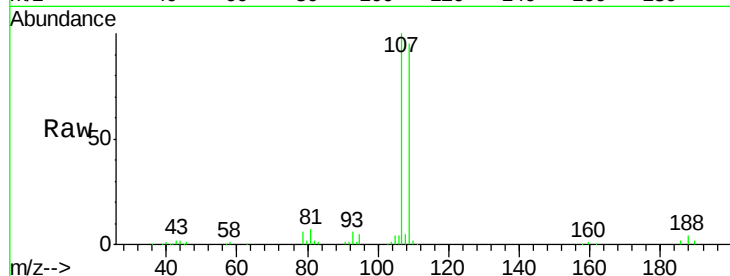




#50
1,2-Dibromoethane
Concen: 5.191 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV006698.D
Acq: 23 Jul 2018 14:12

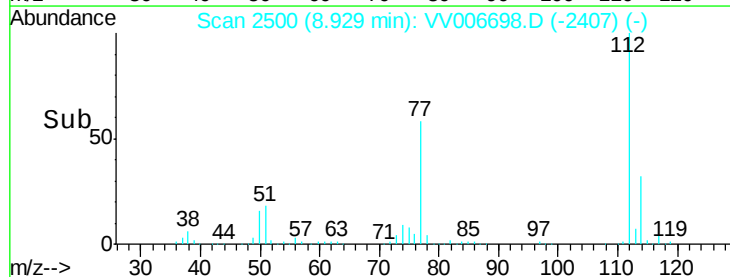
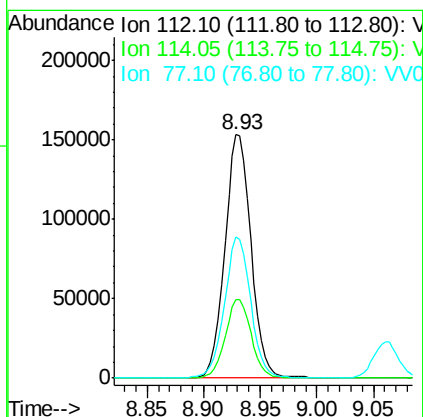
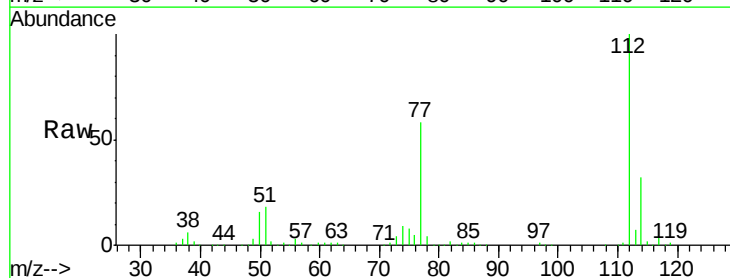
Instrument :
MSVOA_V
ClientSampleId :
VSTD00577

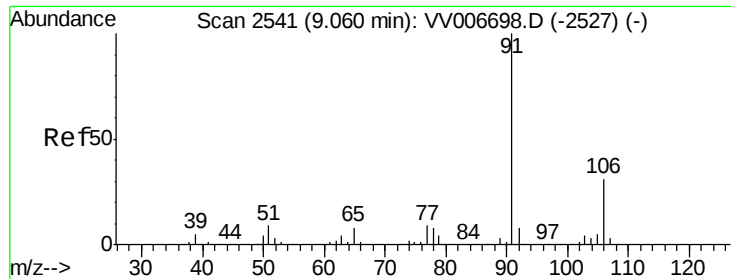
Tgt Ion:107 Resp: 57795
Ion Ratio Lower Upper
107 100
109 95.4 66.8 124.0
188 3.9 3.1 4.7



#51
Chlorobenzene
Concen: 5.117 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV006698.D
Acq: 23 Jul 2018 14:12

Tgt Ion:112 Resp: 246982
Ion Ratio Lower Upper
112 100
114 32.2 22.5 41.9
77 57.7 46.2 69.2





#52

Ethylbenzene

Concen: 5.202 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

Instrument :

MSVOA_V

ClientSampleId :

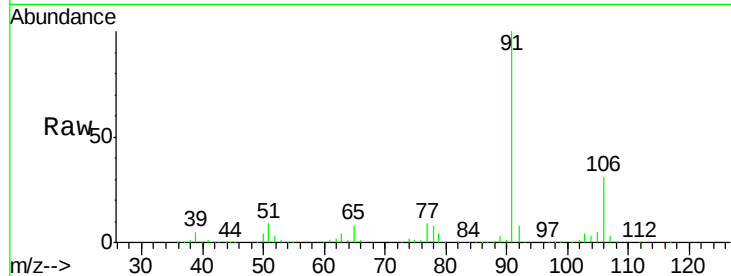
VSTD00577

Tgt Ion: 91 Resp: 411434

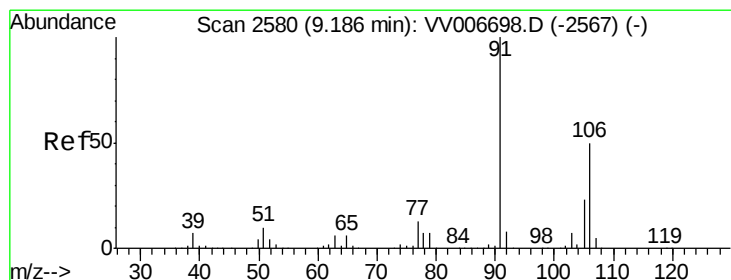
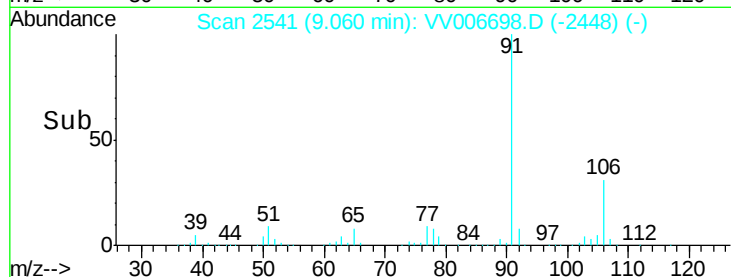
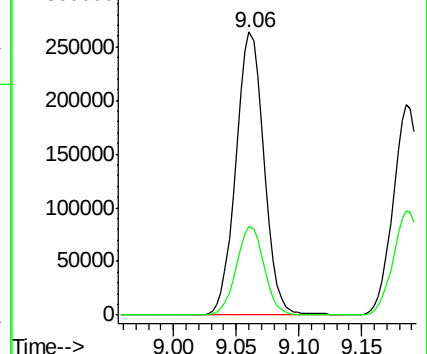
Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.6



Abundance Ion 91.15 (90.85 to 91.85): VV006698.D (-2527) (-)



#53

m,p-xylene

Concen: 5.265 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006698.D

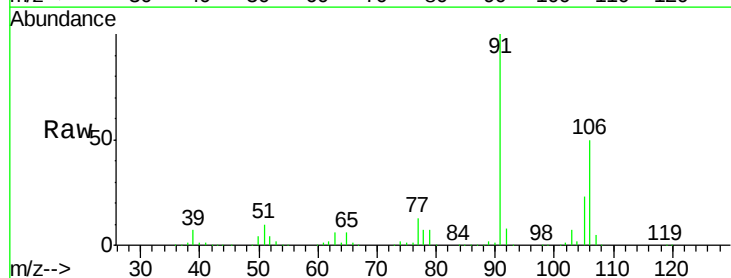
Acq: 23 Jul 2018 14:12

Tgt Ion: 106 Resp: 157220

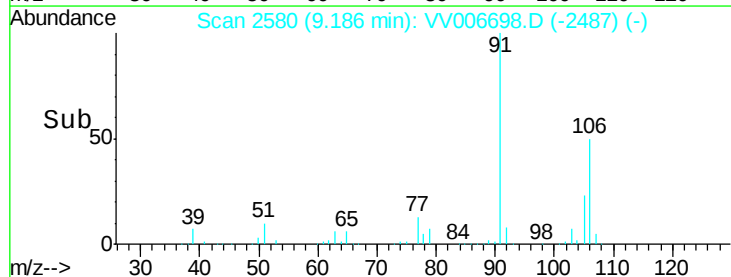
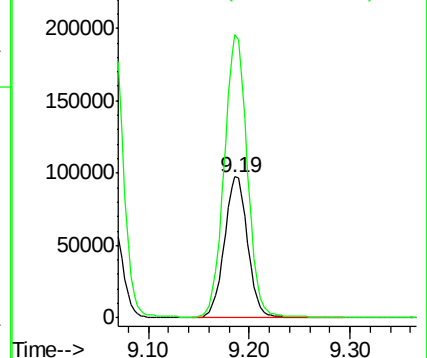
Ion Ratio Lower Upper

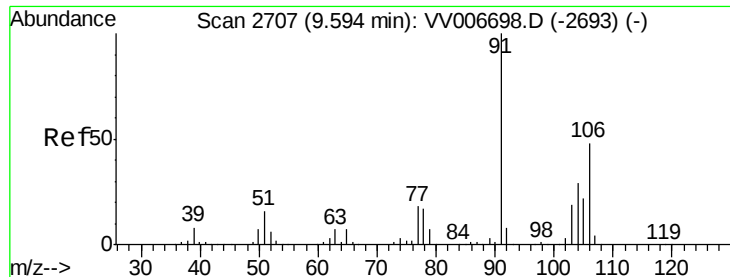
106 100

91 200.4 140.3 260.5



Abundance Ion 106.15 (105.85 to 106.85): VV006698.D (-2567) (-)





#54

o-xylene

Concen: 5.287 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

Instrument :

MSVOA_V

ClientSampleId :

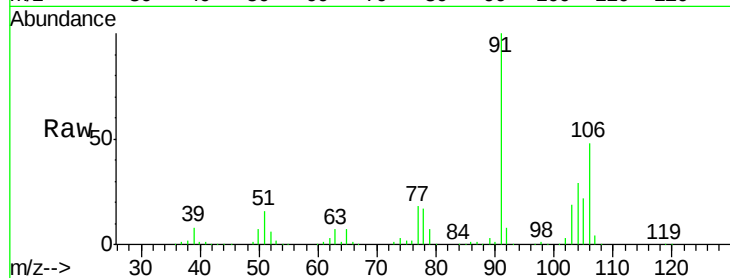
VSTD00577

Tgt Ion:106 Resp: 153798

Ion Ratio Lower Upper

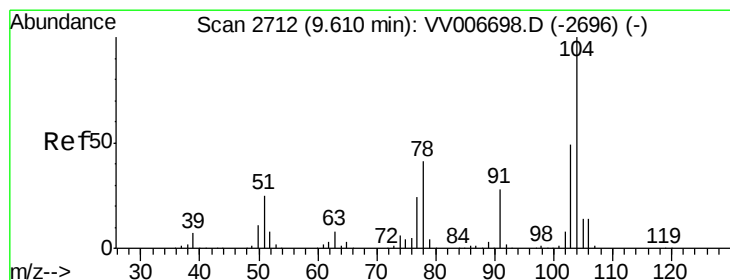
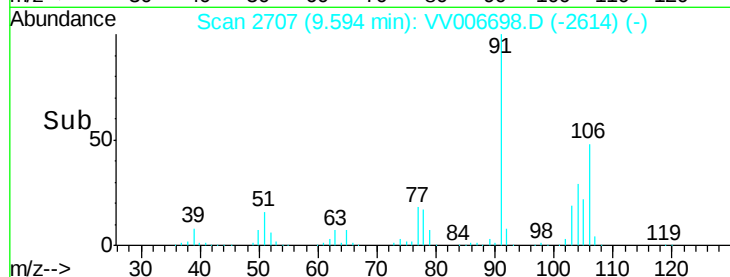
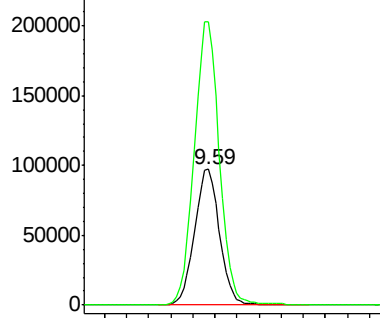
106 100

91 208.6 146.0 271.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.402 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006698.D

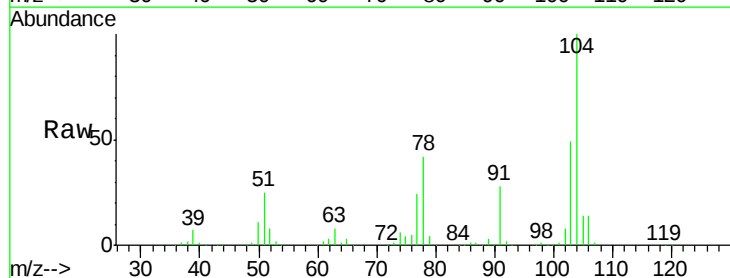
Acq: 23 Jul 2018 14:12

Tgt Ion:104 Resp: 265032

Ion Ratio Lower Upper

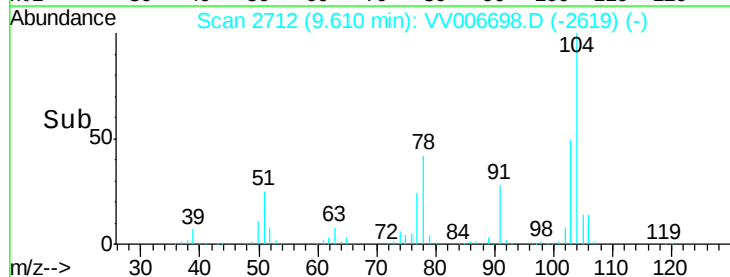
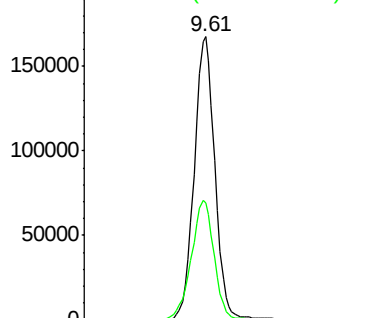
104 100

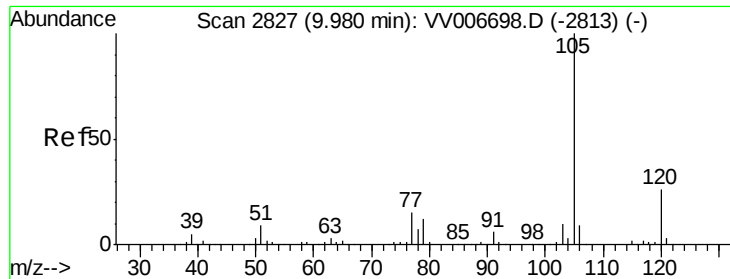
78 41.5 29.0 53.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.275 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00577

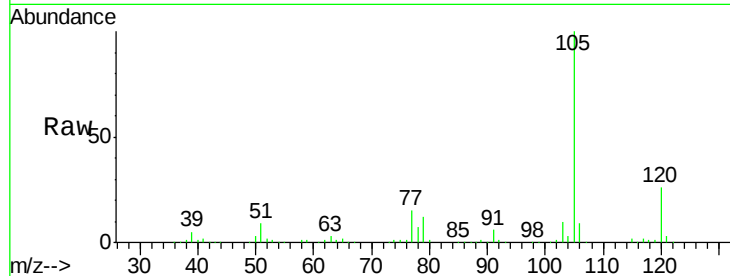
Tgt Ion: 105 Resp: 398448

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

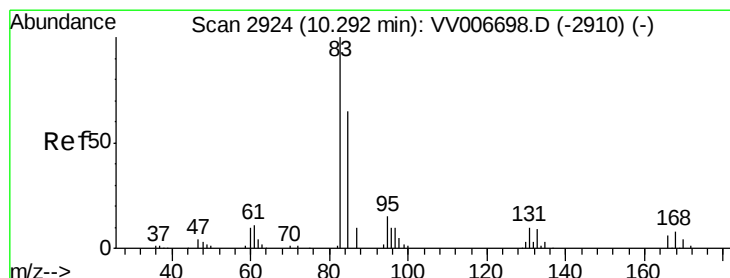
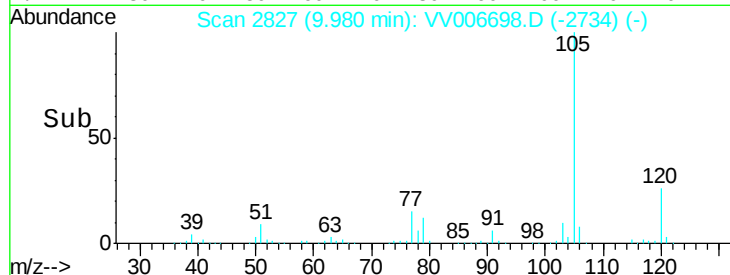
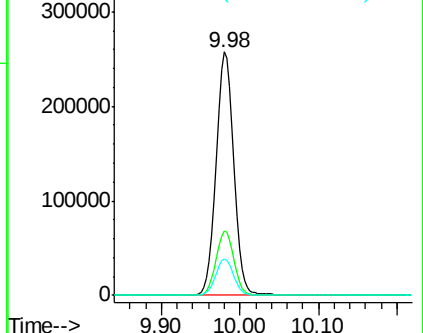
77 15.2 12.2 18.2



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: 5.116 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

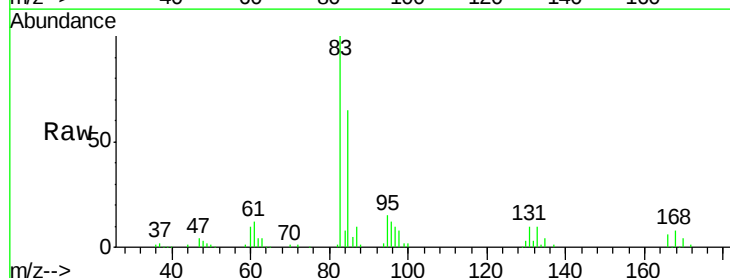
Tgt Ion: 83 Resp: 77959

Ion Ratio Lower Upper

83 100

85 65.1 45.6 84.6

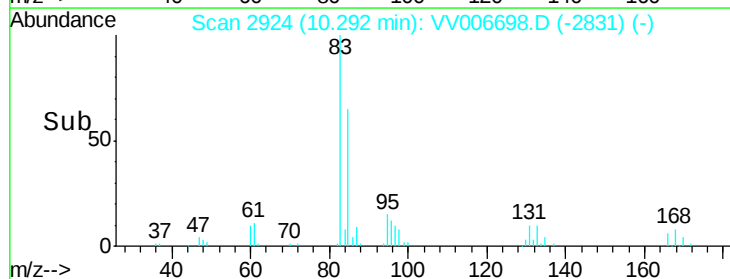
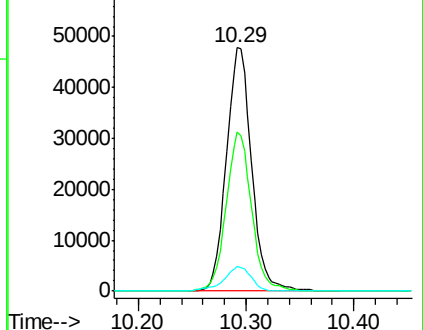
131 10.0 8.0 12.0

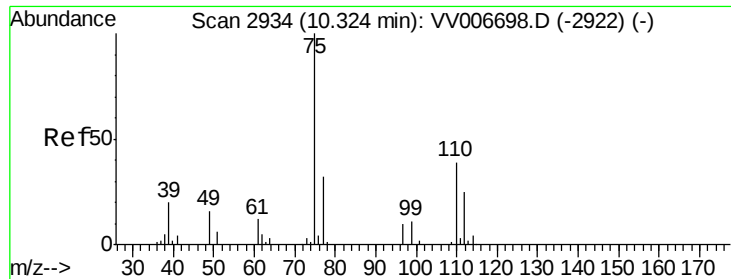


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.148 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

Instrument :

MSVOA_V

ClientSampleId :

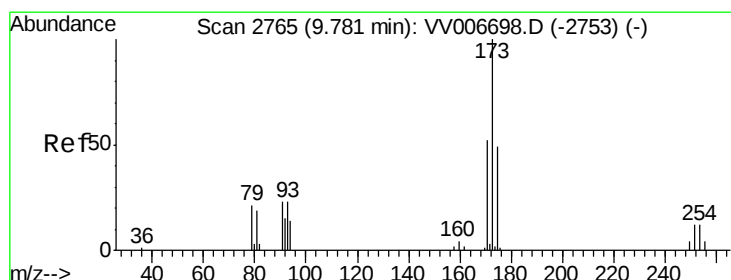
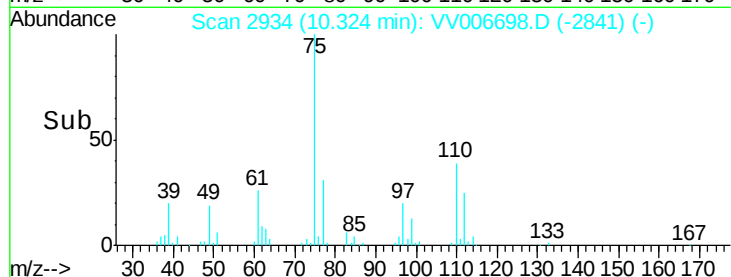
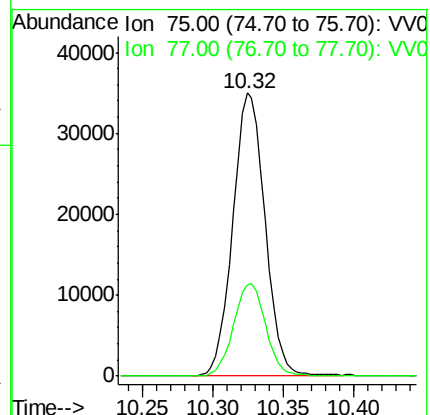
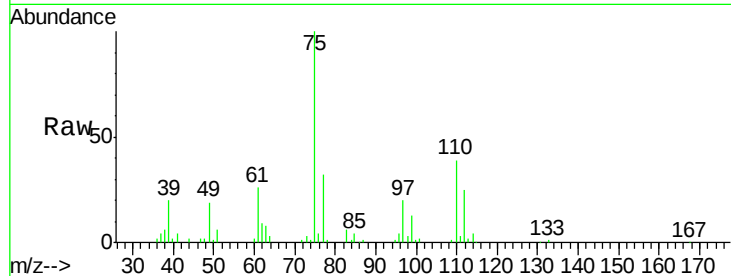
VSTD00577

Tgt Ion: 75 Resp: 56048

Ion Ratio Lower Upper

75 100

77 32.6 26.1 39.1



#61

Bromoform

Concen: 5.038 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

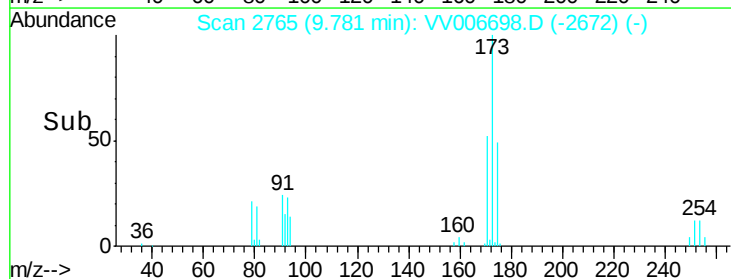
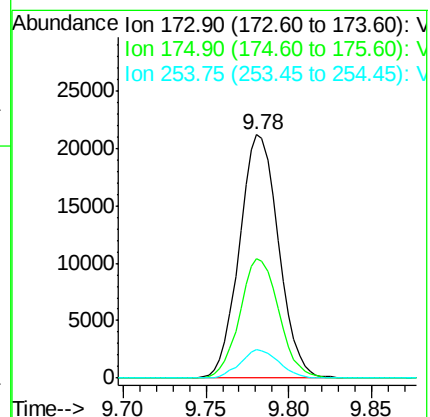
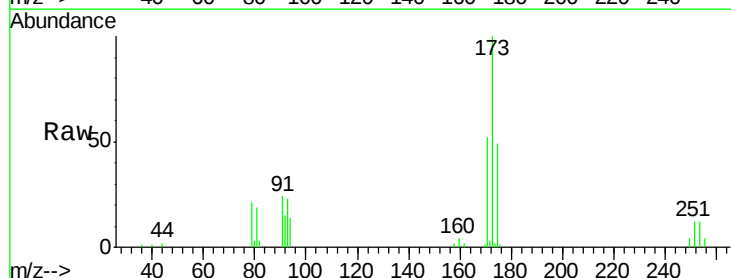
Tgt Ion: 173 Resp: 34783

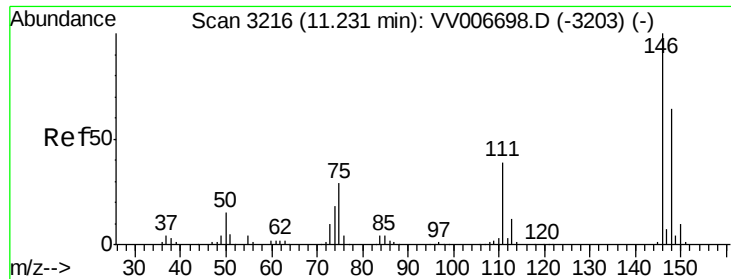
Ion Ratio Lower Upper

173 100

175 48.9 39.1 58.7

254 11.4 9.1 13.7

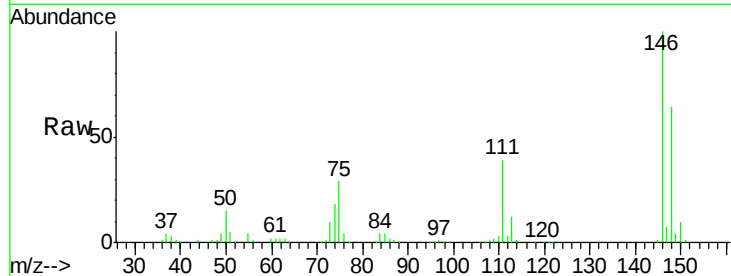




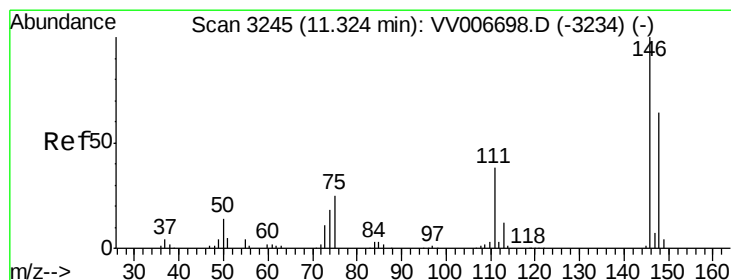
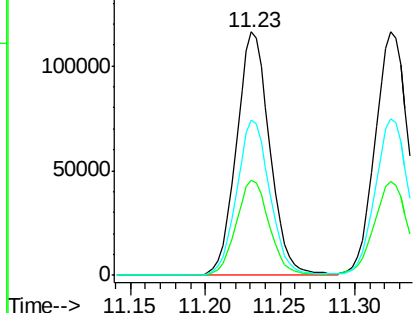
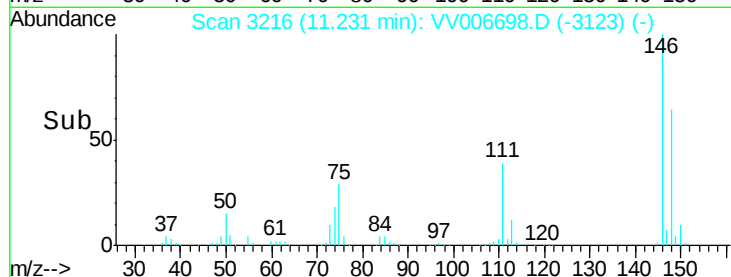
#62
 1,3-Dichlorobenzene
 Concen: 5.129 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. 0.00 min
 Lab File: VV006698.D
 Acq: 23 Jul 2018 14:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

Tgt Ion:146 Resp: 180113
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.5 51.1
 148 63.6 44.5 82.7

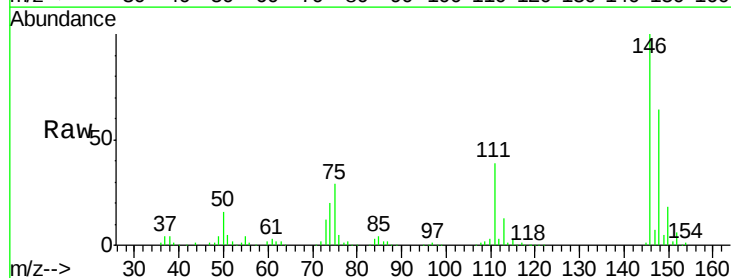


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

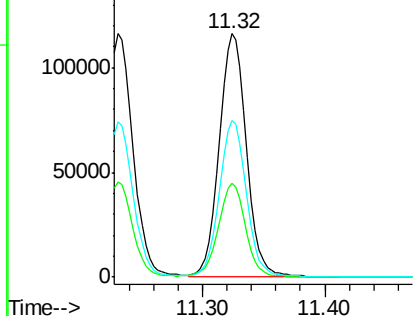
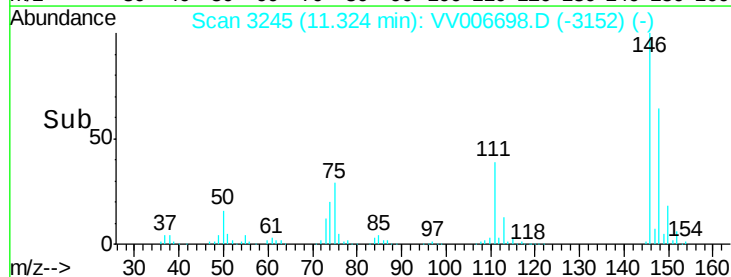


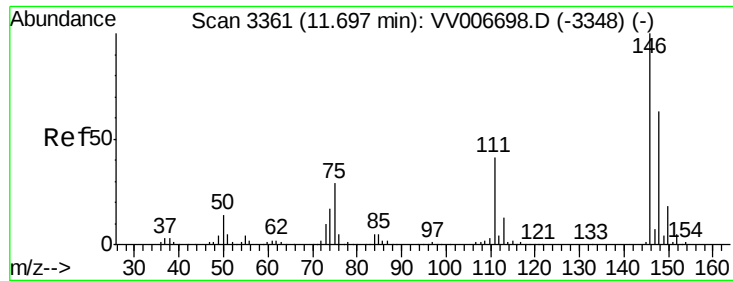
#63
 1,4-Dichlorobenzene
 Concen: 5.117 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV006698.D
 Acq: 23 Jul 2018 14:12

Tgt Ion:146 Resp: 183146
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.0 50.2
 148 64.4 45.1 83.7



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.180 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00577

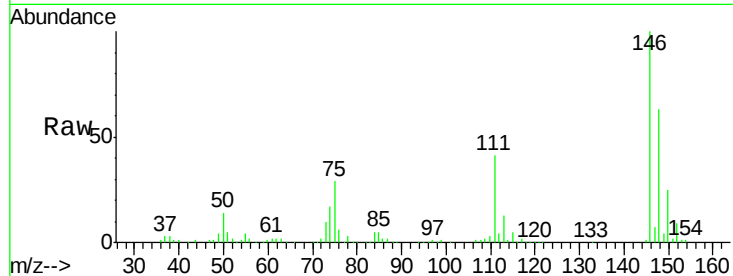
Tgt Ion:146 Resp: 177210

Ion Ratio Lower Upper

146 100

111 41.1 32.9 49.3

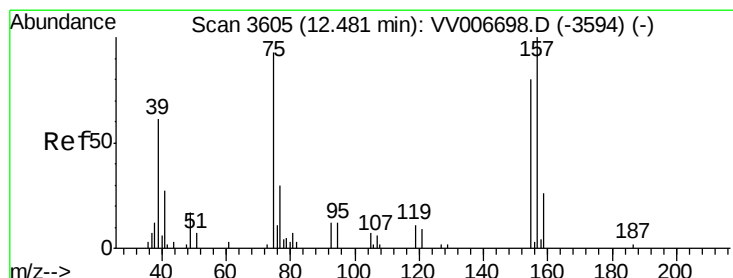
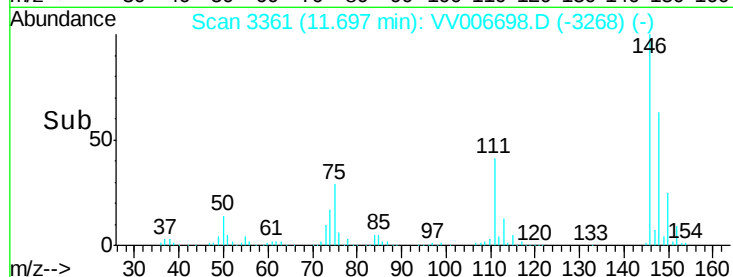
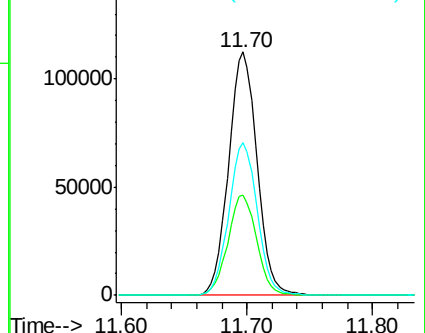
148 62.8 50.2 75.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.282 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

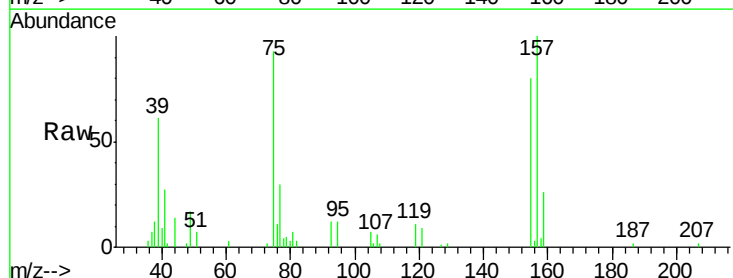
Tgt Ion: 75 Resp: 10813

Ion Ratio Lower Upper

75 100

155 86.0 68.8 103.2

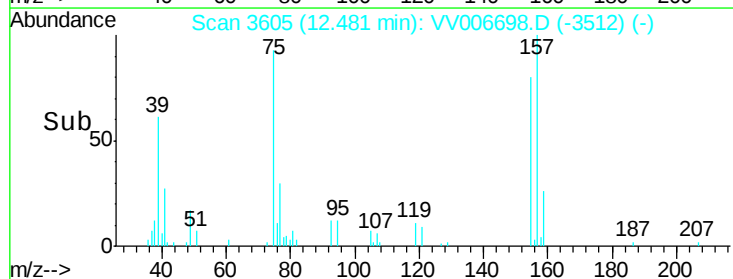
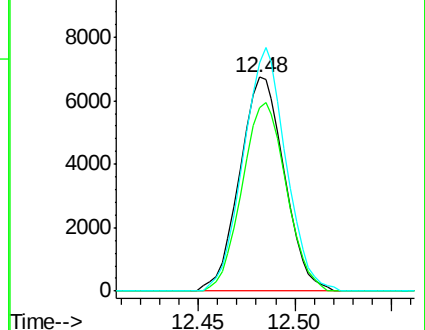
157 107.0 85.6 128.4

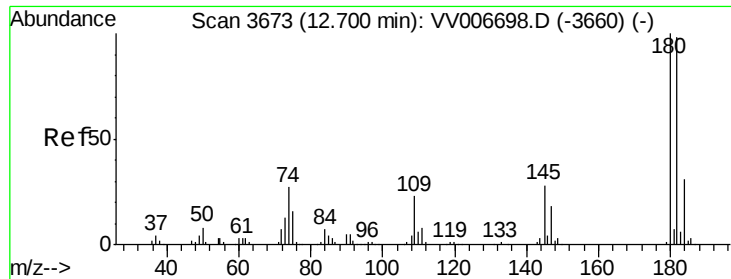


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

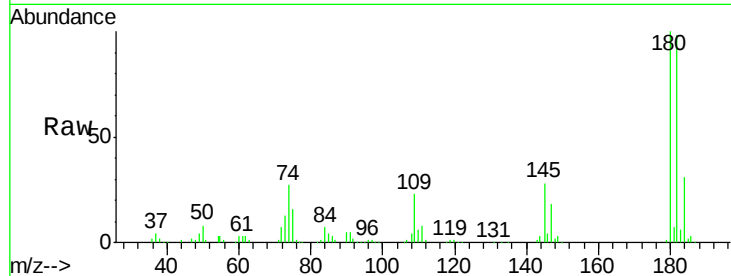




#67
 1,3,5-Trichlorobenzene
 Concen: 5.149 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006698.D
 Acq: 23 Jul 2018 14:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00577

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
184	30.8	24.6	37.0
145	28.5	22.8	34.2

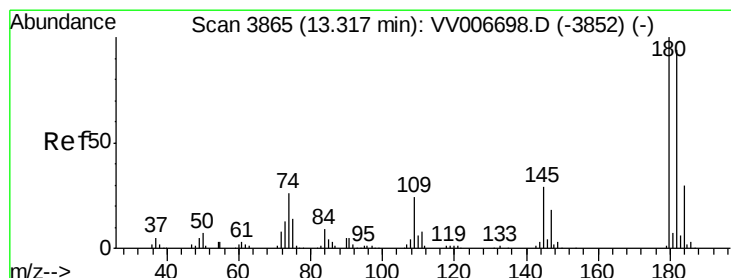
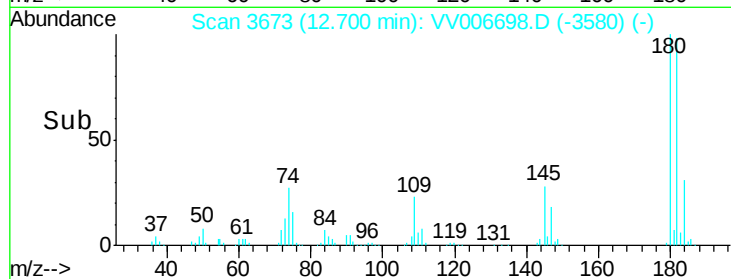
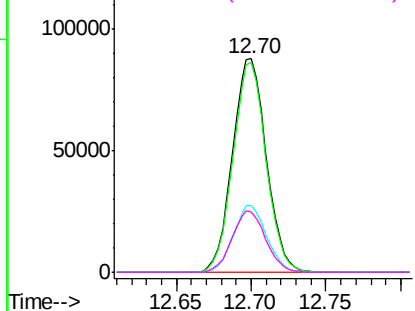


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

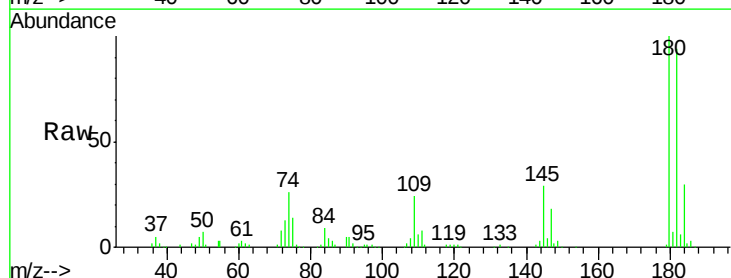
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.170 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006698.D
 Acq: 23 Jul 2018 14:12

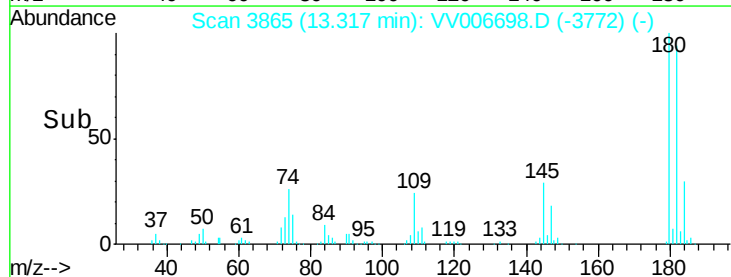
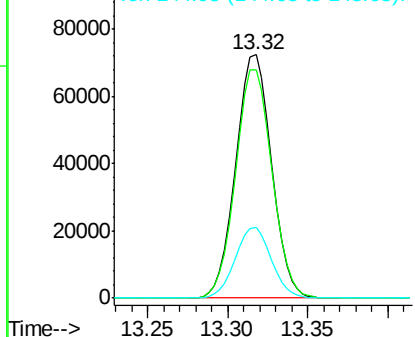
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	29.2	23.4	35.0

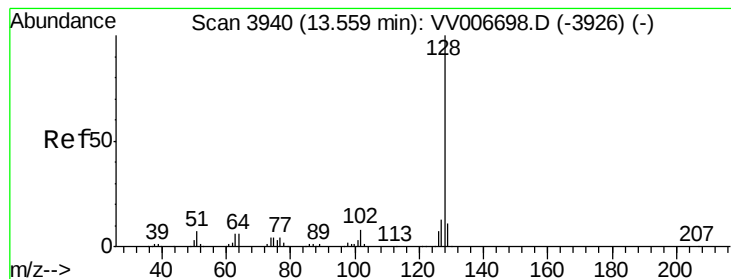


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.168 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00577

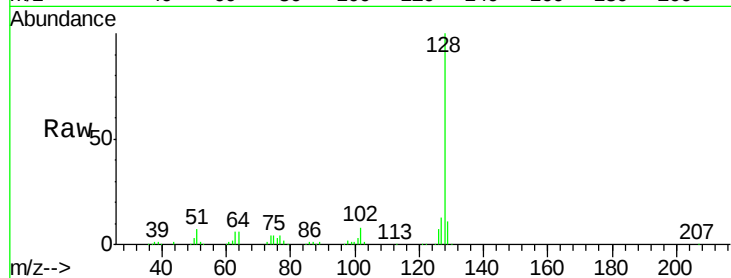
Tgt Ion:128 Resp: 188345

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

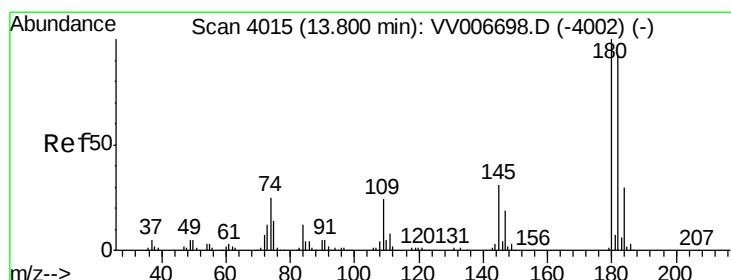
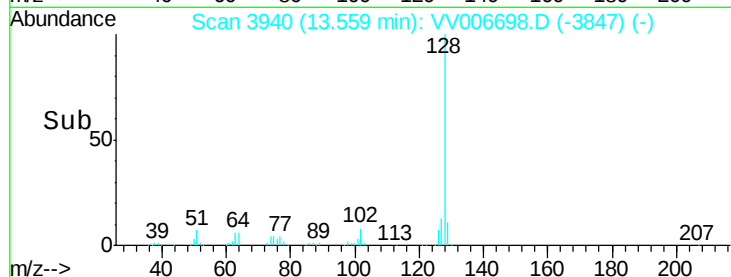
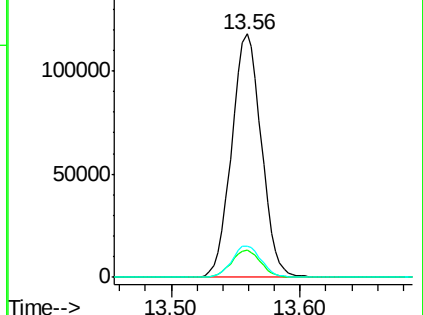
127 12.9 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.317 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006698.D

Acq: 23 Jul 2018 14:12

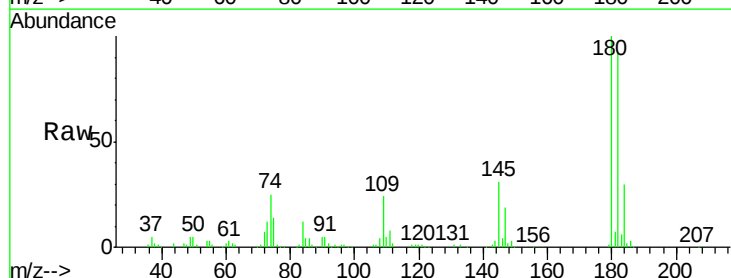
Tgt Ion:180 Resp: 107180

Ion Ratio Lower Upper

180 100

182 94.1 75.3 112.9

145 30.6 24.5 36.7



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

