

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072318\
 Data File : VV006701.D
 Acq On : 23 Jul 2018 16:39
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV80

Quant Time: Jul 24 02:34:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 24 02:34:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	274587	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	257625	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	121696	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	63576	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	1.57	69	50759	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.13	63	132643	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.60%
20) 2-Butanone-d5	3.95	46	210581	47.16	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.32%
24) Chloroform-d	4.40	84	125650	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.09	65	60565	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.10	84	239750	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.12	67	80106	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.60%
41) Toluene-d8	7.36	98	214361	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
43) trans-1,3-Dichloropropene-	7.67	79	26558	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.14	63	178526	48.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.60%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	66393	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	83254	4.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	129256	5.231 ug/L	97
3) Chloromethane	1.26	50	107523	5.125 ug/L	97
5) Vinyl chloride	1.32	62	138043	5.253 ug/L	98
6) Bromomethane	1.52	94	36618	5.694 ug/L	100
8) Chloroethane	1.59	64	74609	5.188 ug/L	100
9) Trichlorofluoromethane	1.76	101	158850	5.270 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	100072	5.448 ug/L	98
12) 1,1-Dichloroethene	2.14	96	91456	5.084 ug/L	98
13) Acetone	2.19	43	149111	52.485 ug/L	99
14) Carbon disulfide	2.31	76	311921	5.157 ug/L	99
15) Methyl Acetate	2.46	43	42924	5.097 ug/L	99
16) Methylene chloride	2.53	84	102275	4.960 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	231582	5.248 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	102688	5.256 ug/L	97
19) 1,1-Dichloroethane	3.23	63	185359	5.157 ug/L	99
21) 2-Butanone	4.03	43	249347	52.399 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	106544	5.230 ug/L	99

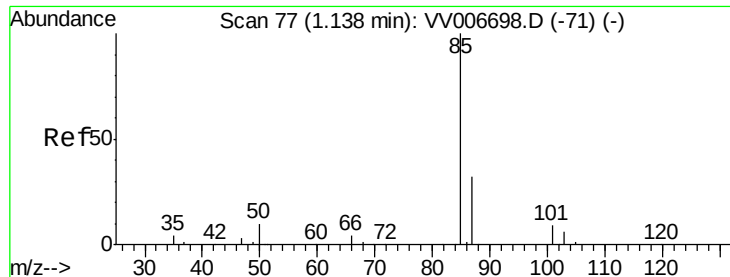
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV072318\
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 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	43708	5.214	ug/L	97
25) Chloroform	4.43	83	171785	5.094	ug/L	99
27) 1,2-Dichloroethane	5.19	62	101321	5.121	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	145050	5.233	ug/L	99
30) Cyclohexane	4.72	56	165960	5.348	ug/L	100
31) Carbon tetrachloride	4.87	117	124109	5.239	ug/L	99
33) Benzene	5.15	78	408260	5.271	ug/L	100
34) Trichloroethene	5.96	95	101922	5.213	ug/L	98
35) Methylcyclohexane	6.18	83	178701	5.472	ug/L	99
37) 1,2-Dichloropropane	6.22	63	101629	5.112	ug/L	99
38) Bromodichloromethane	6.56	83	115331	5.193	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	136133	5.256	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	582745	53.319	ug/L	100
42) Toluene	7.43	91	426808	5.352	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	107960	5.301	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	69113	5.161	ug/L	98
47) Tetrachloroethene	8.02	164	83037	5.347	ug/L	100
48) 2-Hexanone	8.19	43	410007	53.763	ug/L	99
49) Dibromochloromethane	8.30	129	74003	5.222	ug/L	97
50) 1,2-Dibromoethane	8.40	107	64050	5.352	ug/L	99
51) Chlorobenzene	8.93	112	271978	5.243	ug/L	99
52) Ethylbenzene	9.06	91	457667	5.384	ug/L	100
53) m,p-xylene	9.19	106	176868	5.511	ug/L	99
54) o-xylene	9.59	106	169429	5.419	ug/L	98
55) Styrene	9.61	104	290418	5.507	ug/L	98
56) Isopropylbenzene	9.98	105	447559	5.513	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	84905	5.183	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	60502	5.170	ug/L	100
61) Bromoform	9.78	173	38333	5.182	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	201192	5.348	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	204700	5.339	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	193032	5.268	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	10836	4.941	ug/L	93
67) 1,3,5-Trichlorobenzene	12.70	180	159778	5.563	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	125661	5.508	ug/L	100
69) Naphthalene	13.56	128	210690	5.396	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	118458	5.486	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.231 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

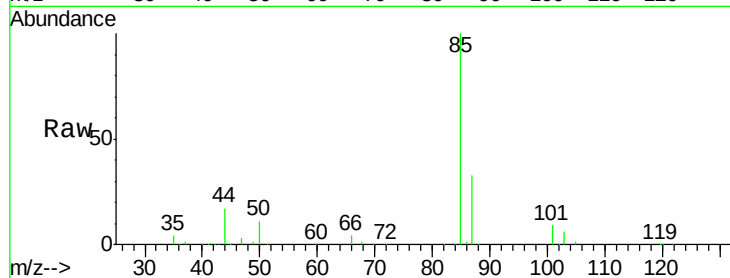
VICV80

Tgt Ion: 85 Resp: 129256

Ion Ratio Lower Upper

85 100

87 26.3 19.9 29.9



Abundance Ion 85.00 (84.70 to 85.70): VV006698.D (-71) (-)

Ion 87.00 (86.70 to 87.70): VV006698.D (-71) (-)

1.14

120000

100000

80000

60000

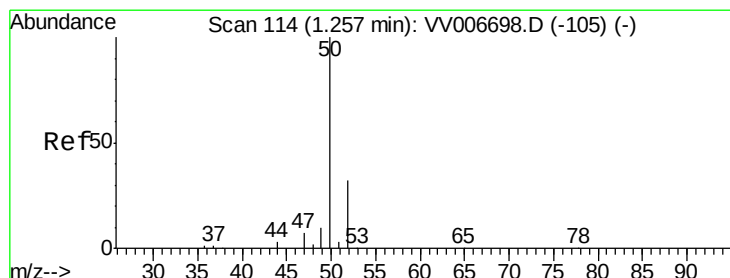
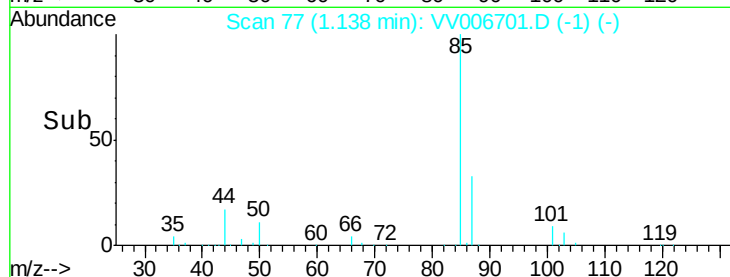
40000

20000

0

1.10 1.20 1.30

Time-->



#3

Chloromethane

Concen: 5.125 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.00 min

Lab File: VV006701.D

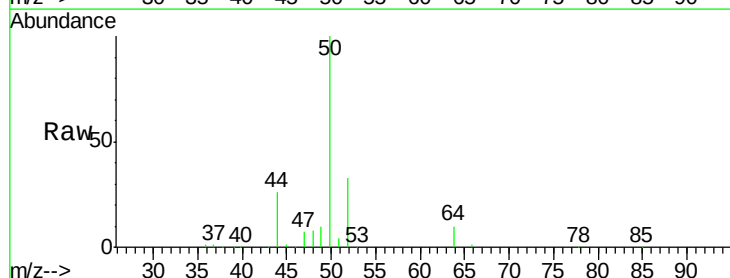
Acq: 23 Jul 2018 16:39

Tgt Ion: 50 Resp: 107523

Ion Ratio Lower Upper

50 100

52 33.0 22.1 41.1



Abundance Ion 50.05 (49.75 to 50.75): VV006698.D (-105) (-)

Ion 52.05 (51.75 to 52.75): VV006698.D (-105) (-)

1.26

60000

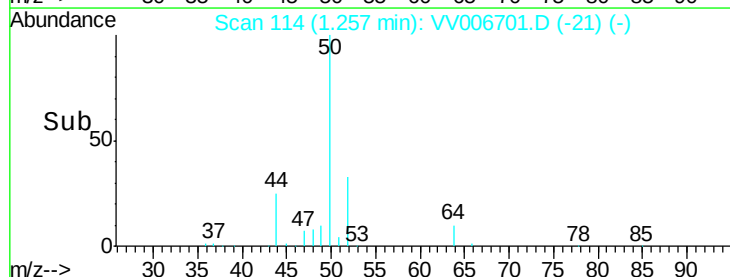
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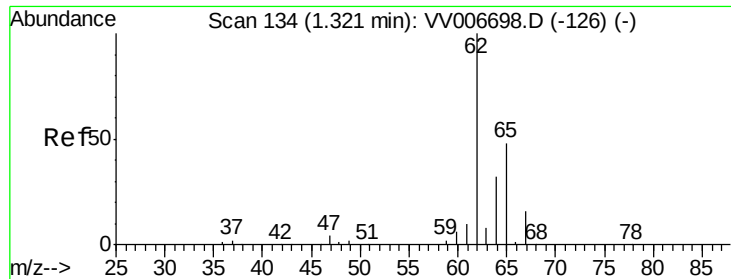
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0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 5.253 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

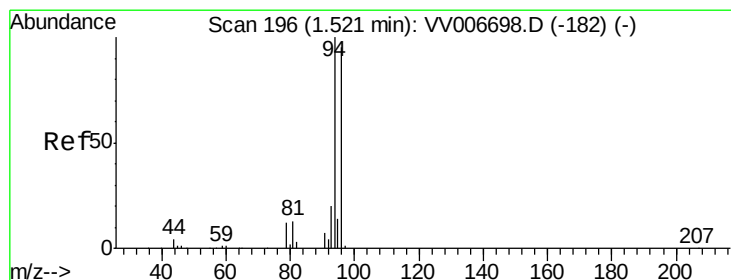
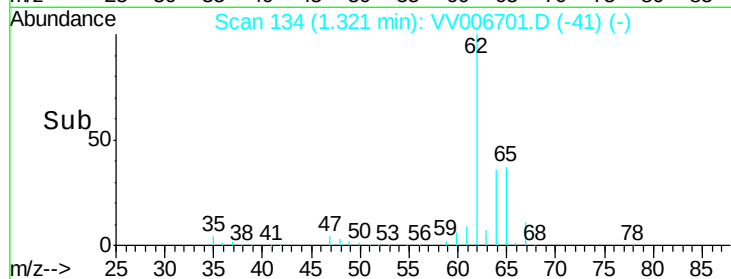
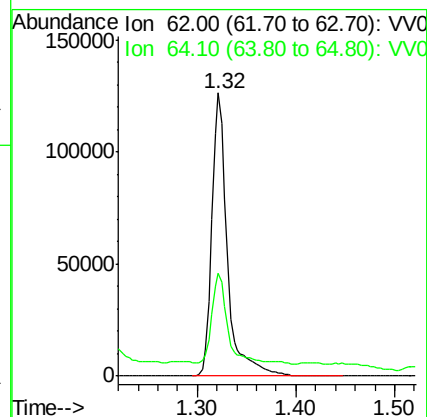
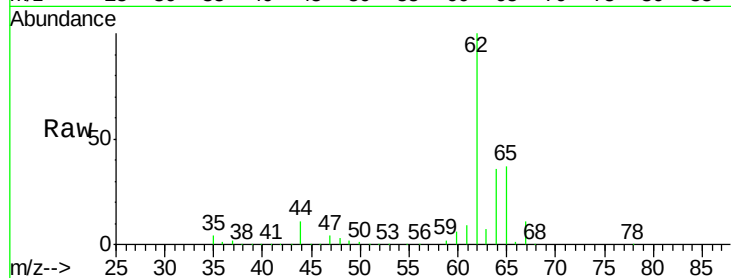
VICV80

Tgt Ion: 62 Resp: 138043

Ion Ratio Lower Upper

62 100

64 36.4 26.5 49.3



#6

Bromomethane

Concen: 5.694 ug/L

RT: 1.52 min Scan# 195

Delta R.T. -0.00 min

Lab File: VV006701.D

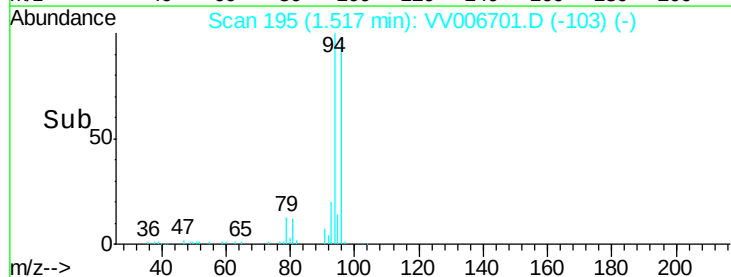
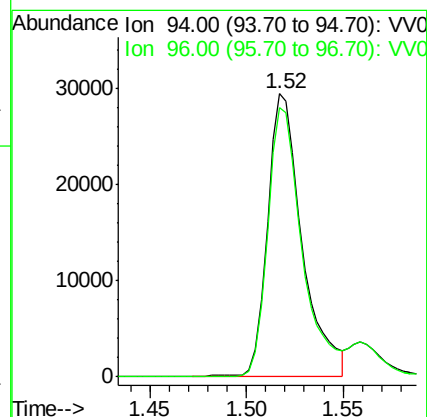
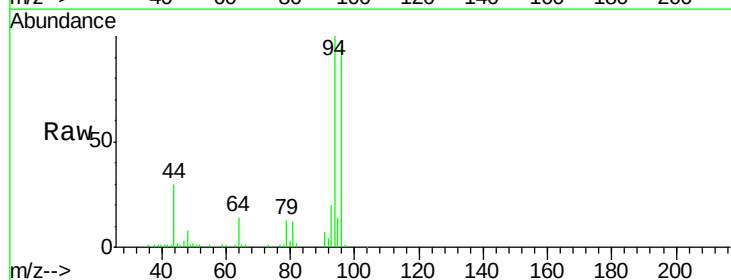
Acq: 23 Jul 2018 16:39

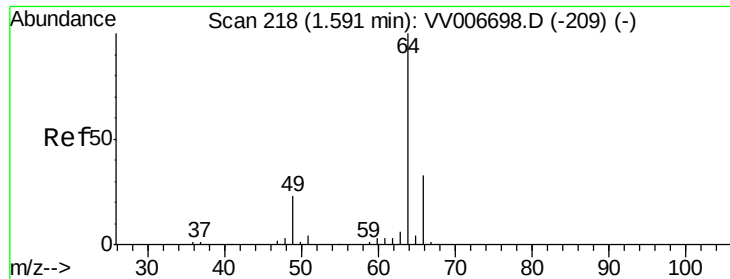
Tgt Ion: 94 Resp: 36618

Ion Ratio Lower Upper

94 100

96 95.3 66.4 123.4

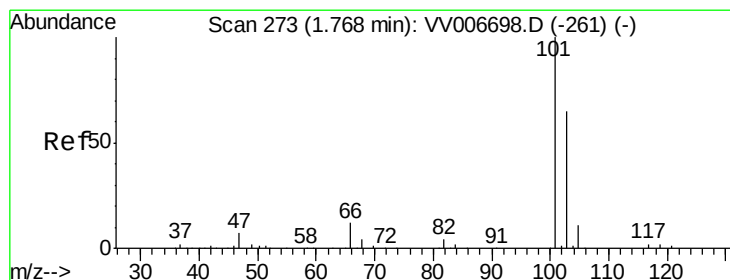
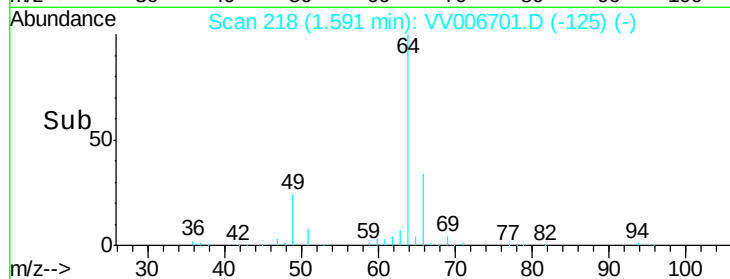
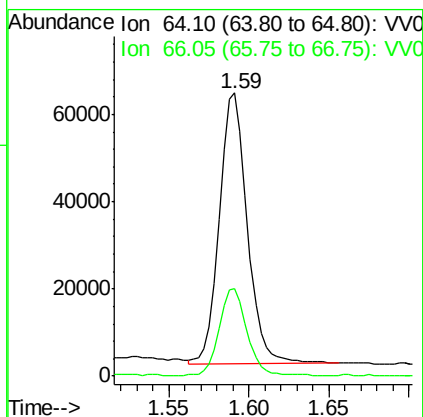
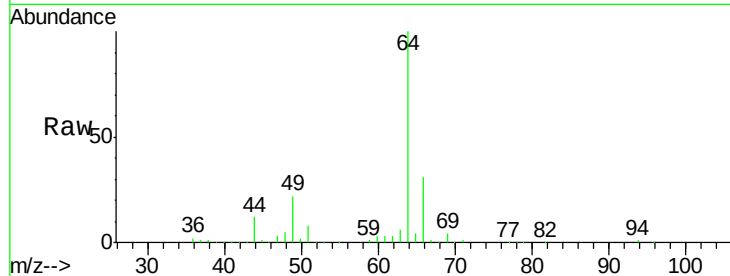




#8
Chloroethane
Concen: 5.188 ug/L
RT: 1.59 min Scan# 218
Delta R.T. -0.00 min
Lab File: VV006701.D
Acq: 23 Jul 2018 16:39

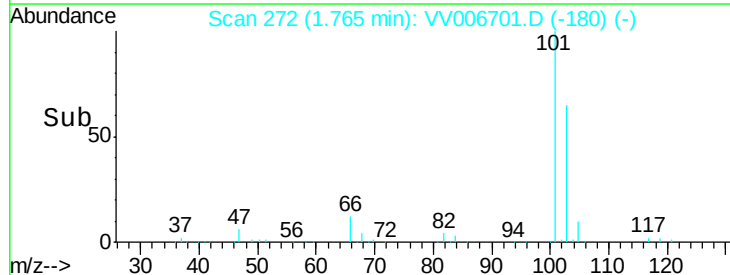
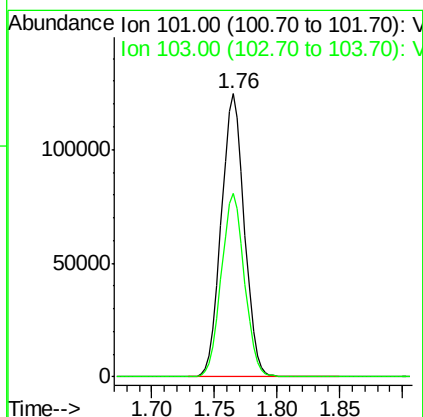
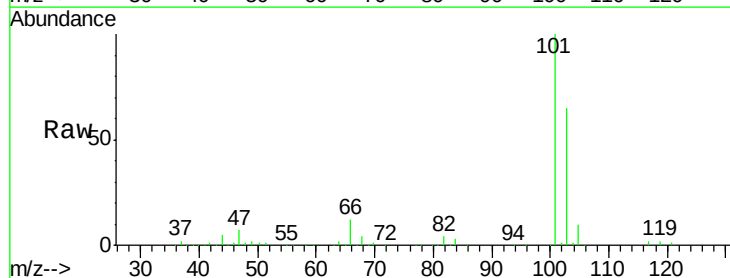
Instrument :
MSVOA_V
ClientSampled :
VICV80

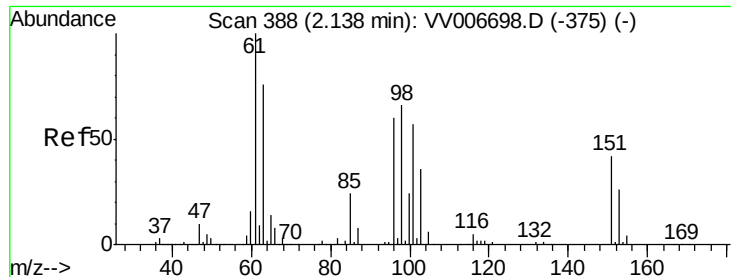
Tgt Ion: 64 Resp: 74609
Ion Ratio Lower Upper
64 100
66 31.1 21.8 40.4



#9
Trichlorofluoromethane
Concen: 5.270 ug/L
RT: 1.76 min Scan# 272
Delta R.T. -0.00 min
Lab File: VV006701.D
Acq: 23 Jul 2018 16:39

Tgt Ion: 101 Resp: 158850
Ion Ratio Lower Upper
101 100
103 65.1 51.8 77.6





#10

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

Concen: 5.448 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

Instrument :

MSVOA_V

ClientSampled :

VICV80

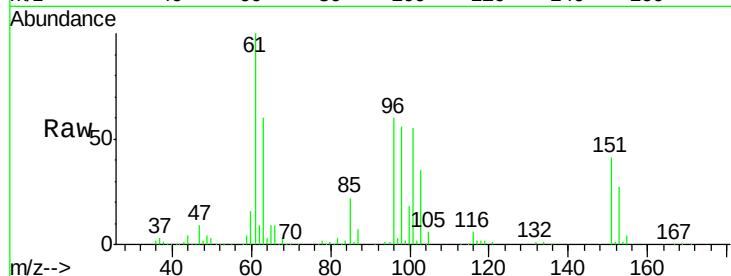
Tgt Ion: 101 Resp: 100072

Ion Ratio Lower Upper

101 100

85 40.2 33.1 49.7

151 73.4 59.7 89.5



Abundance Ion 101.00 (100.70 to 101.70): VV006698.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VV006698.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VV006698.D (-375) (-)

Time-->

2.05 2.10 2.15 2.20 2.25

2.14

40000

20000

0

80000

60000

40000

20000

0

Time-->

2.05 2.10 2.15 2.20 2.25

2.14

40000

20000

0

80000

60000

40000

20000

0

Time-->

2.05 2.10 2.15 2.20 2.25

2.14

40000

20000

0

80000

60000

40000

20000

0

Time-->

2.05 2.10 2.15 2.20 2.25

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20000

0

Time-->

2.05 2.10 2.15 2.20 2.25

2.14

40000

20000

0

80000

60000

40000

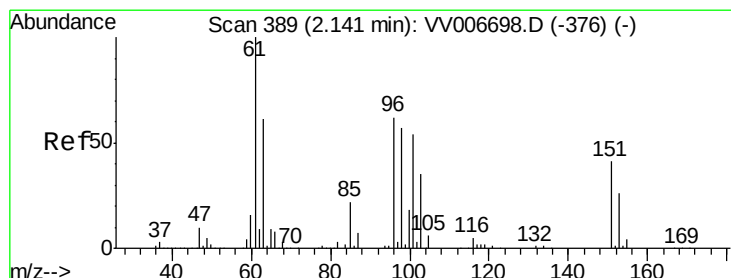
20000

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Time-->

2.05 2.10 2.15 2.20 2.25

2.14



#12

1,1-Dichloroethene

Concen: 5.084 ug/L

RT: 2.14 min Scan# 388

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

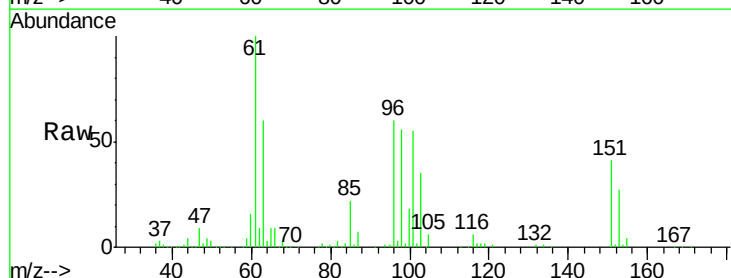
Tgt Ion: 96 Resp: 91456

Ion Ratio Lower Upper

96 100

61 166.9 113.5 210.9

63 100.1 69.5 129.1



Abundance Ion 96.00 (95.70 to 96.70): VV006698.D (-376) (-)

Ion 61.05 (60.75 to 61.75): VV006698.D (-376) (-)

Ion 63.00 (62.70 to 63.70): VV006698.D (-376) (-)

Time-->

2.10 2.15 2.20

2.14

150000

100000

50000

0

Time-->

2.10 2.15 2.20

2.14

150000

100000

50000

0

Time-->

2.10 2.15 2.20

2.14

150000

100000

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Time-->

2.10 2.15 2.20

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Time-->

2.10 2.15 2.20

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2.10 2.15 2.20

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Time-->

2.10 2.15 2.20

2.14

150000

100000

50000

0

Time-->

2.10 2.15 2.20

2.14

150000

100000

50000

0

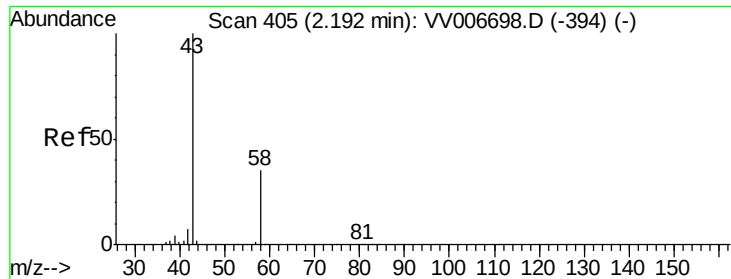
Time-->

2.10 2.15 2.20

2.14

150000

100000



#13

Acetone

Concen: 52.485 ug/L

RT: 2.19 min Scan# 404

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

Instrument :

MSVOA_V

ClientSampled :

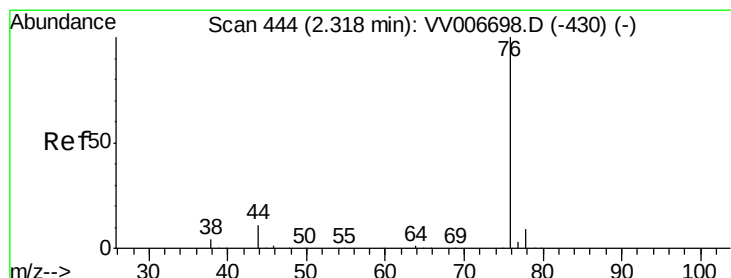
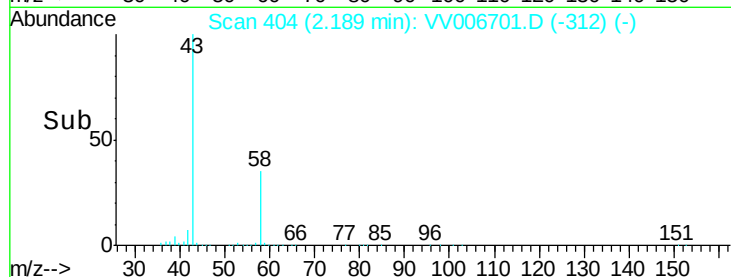
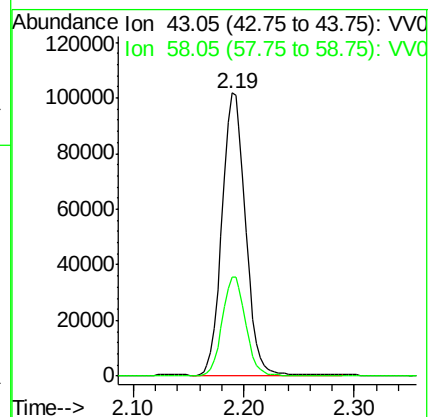
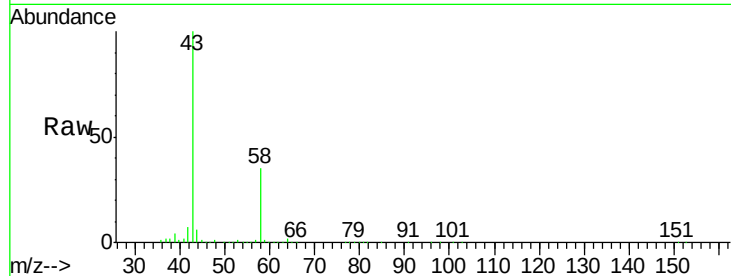
VICV80

Tgt Ion: 43 Resp: 149111

Ion Ratio Lower Upper

43 100

58 35.3 0.0 71.4



#14

Carbon disulfide

Concen: 5.157 ug/L

RT: 2.31 min Scan# 443

Delta R.T. -0.00 min

Lab File: VV006701.D

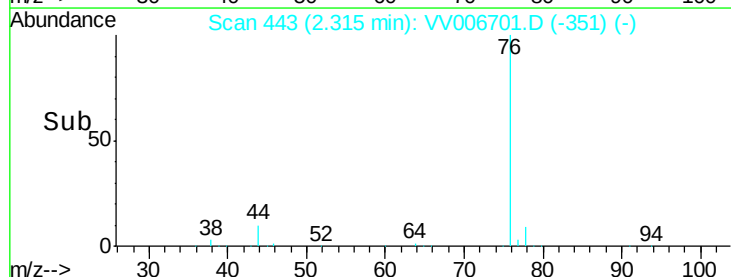
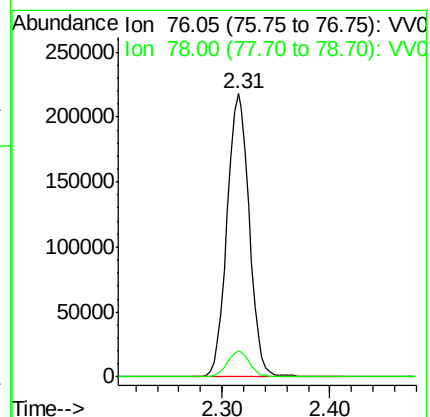
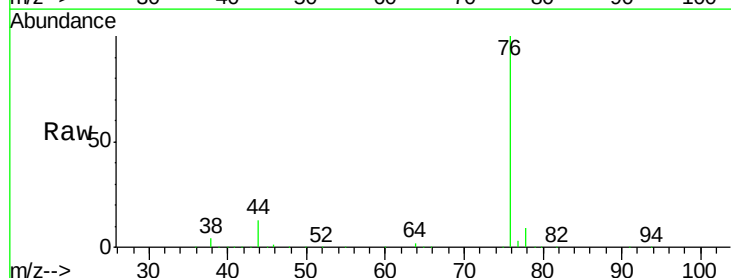
Acq: 23 Jul 2018 16:39

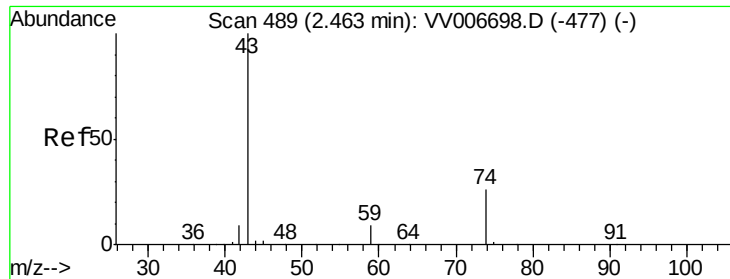
Tgt Ion: 76 Resp: 311921

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

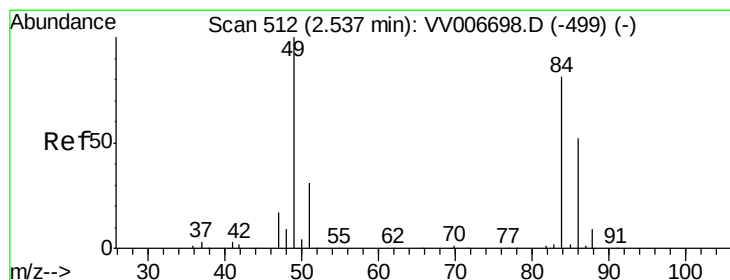
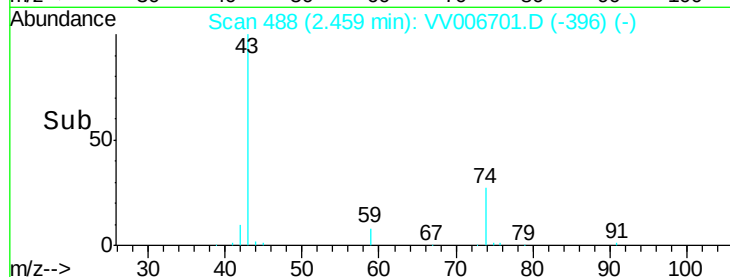
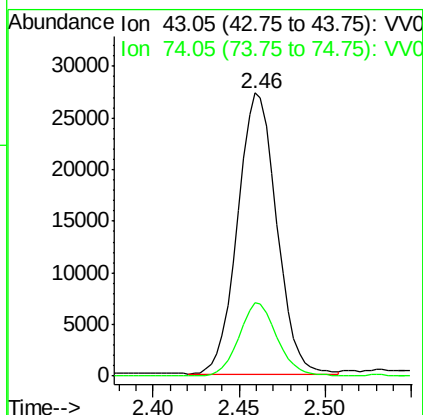
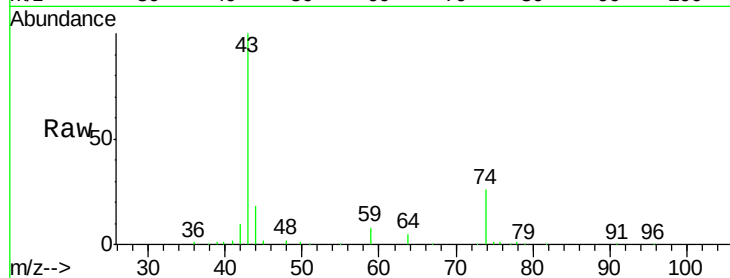




#15
Methyl Acetate
Concen: 5.097 ug/L
RT: 2.46 min Scan# 488
Delta R.T. -0.00 min
Lab File: VV006701.D
Acq: 23 Jul 2018 16:39

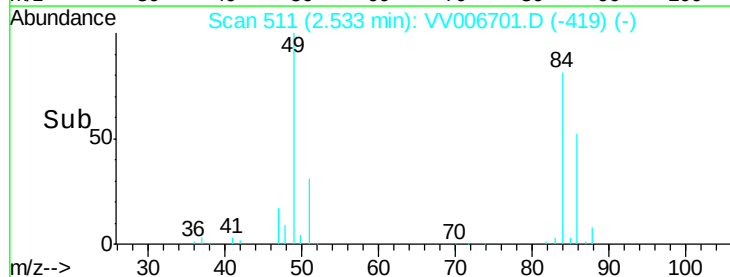
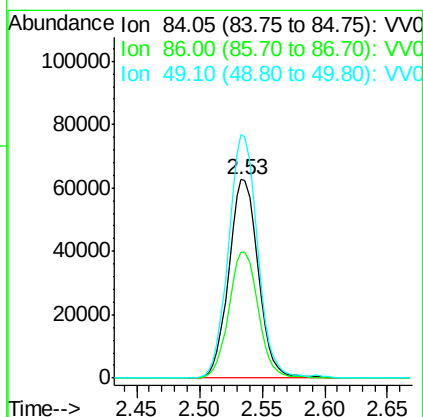
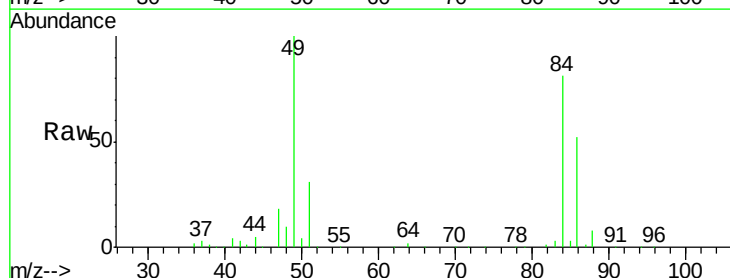
Instrument :
MSVOA_V
ClientSampleId :
VICV80

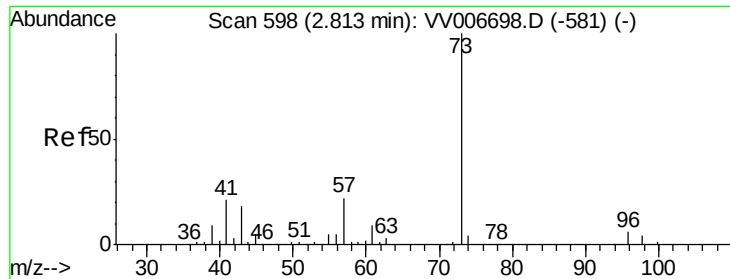
Tgt Ion: 43 Resp: 42924
Ion Ratio Lower Upper
43 100
74 25.4 20.6 31.0



#16
Methylene chloride
Concen: 4.960 ug/L
RT: 2.53 min Scan# 511
Delta R.T. -0.00 min
Lab File: VV006701.D
Acq: 23 Jul 2018 16:39

Tgt Ion: 84 Resp: 102275
Ion Ratio Lower Upper
84 100
86 63.6 44.7 83.1
49 122.7 86.7 160.9





#17

Methyl tert-butyl Ether

Concen: 5.248 ug/L

RT: 2.81 min Scan# 597

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

VICV80

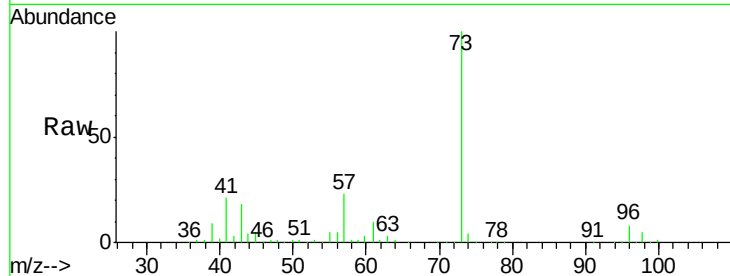
Tgt Ion: 73 Resp: 231582

Ion Ratio Lower Upper

73 100

43 17.6 14.2 21.4

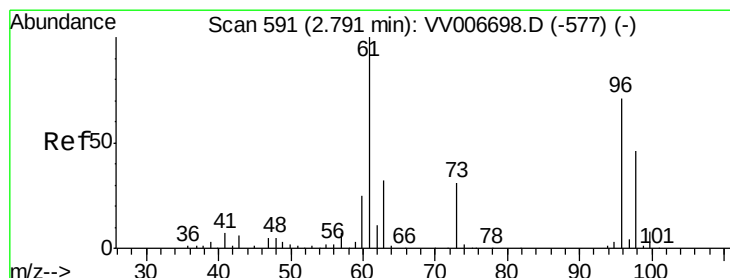
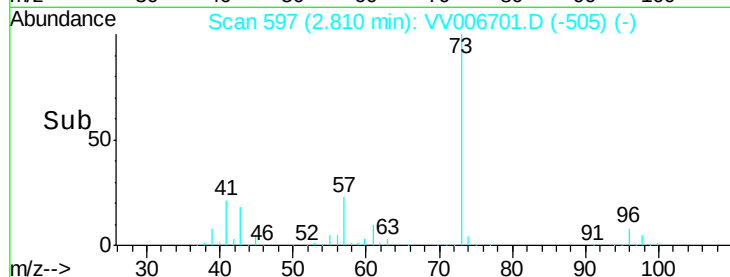
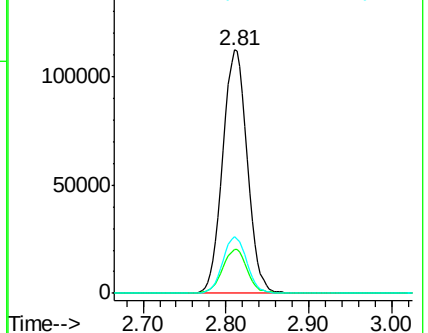
57 22.7 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VV006698.D (-581) (-)

Ion 43.05 (42.75 to 43.75): VV006698.D (-581) (-)

Ion 57.10 (56.80 to 57.80): VV006698.D (-581) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.256 ug/L

RT: 2.79 min Scan# 590

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

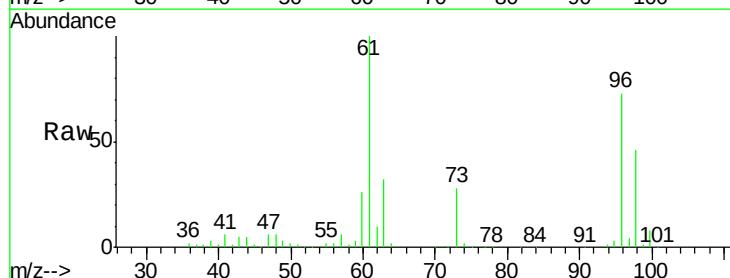
Tgt Ion: 96 Resp: 102688

Ion Ratio Lower Upper

96 100

61 136.5 98.5 182.9

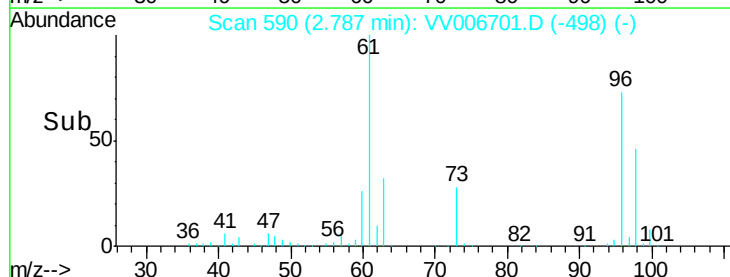
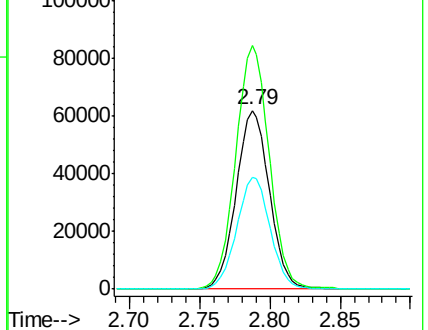
98 62.5 45.4 84.4

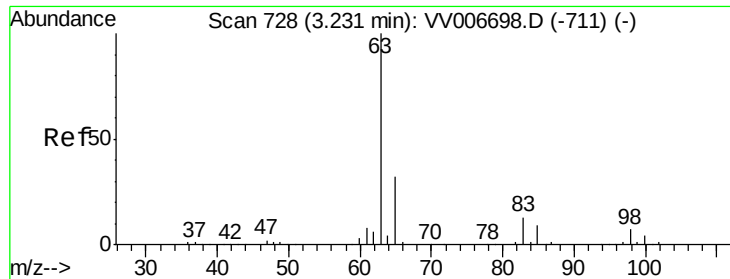


Abundance Ion 96.00 (95.70 to 96.70): VV006698.D (-577) (-)

Ion 61.05 (60.75 to 61.75): VV006698.D (-577) (-)

Ion 97.95 (97.65 to 98.65): VV006698.D (-577) (-)

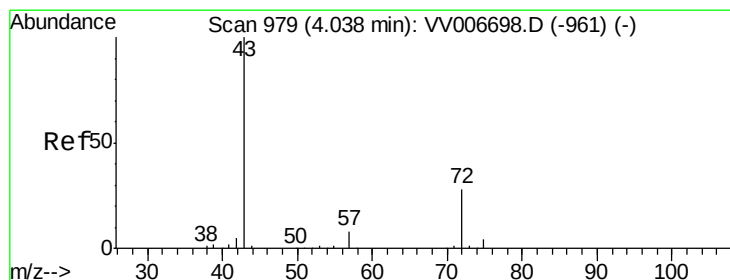
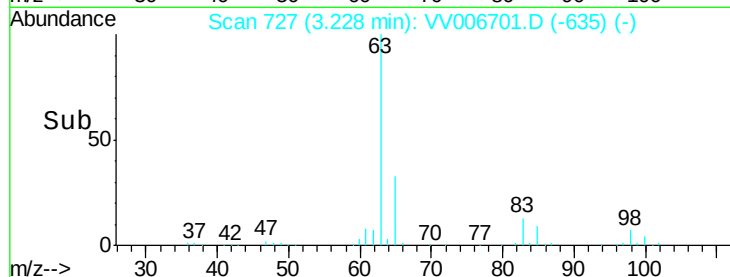
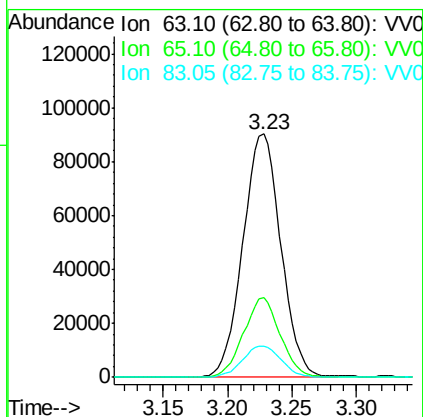
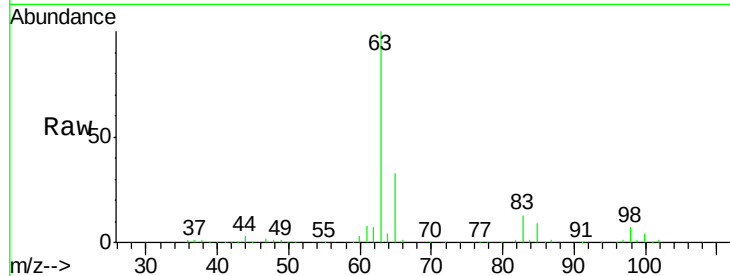




#19
 1,1-Dichloroethane
 Concen: 5.157 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VV006701.D
 Acq: 23 Jul 2018 16:39

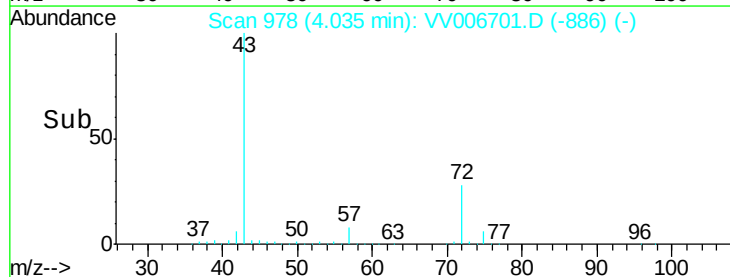
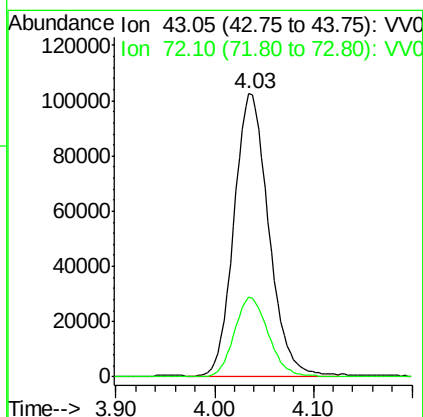
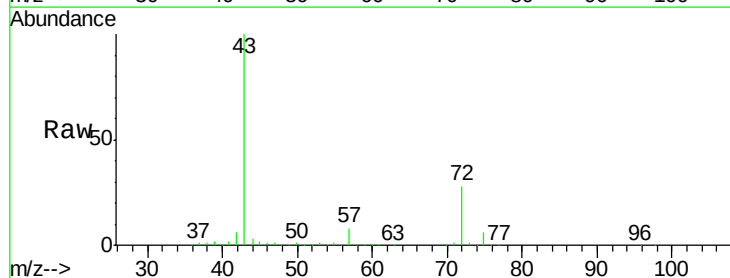
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV80

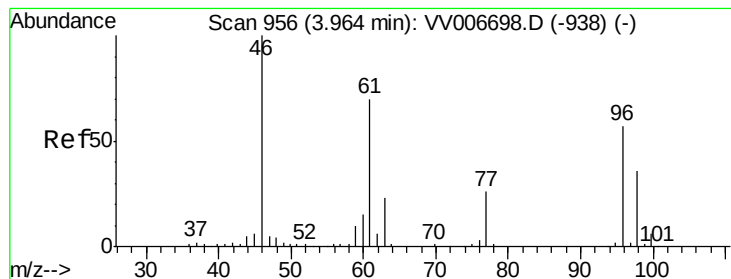
Tgt Ion: 63 Resp: 185359
 Ion Ratio Lower Upper
 63 100
 65 32.6 22.4 41.6
 83 13.0 9.0 16.8



#21
 2-Butanone
 Concen: 52.399 ug/L
 RT: 4.03 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VV006701.D
 Acq: 23 Jul 2018 16:39

Tgt Ion: 43 Resp: 249347
 Ion Ratio Lower Upper
 43 100
 72 27.3 13.8 41.4





#22

cis-1,2-Dichloroethene

Concen: 5.230 ug/L

RT: 3.96 min Scan# 955

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

VICV80

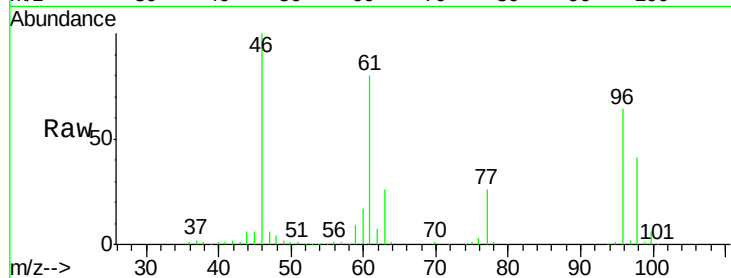
Tgt Ion: 96 Resp: 106544

Ion Ratio Lower Upper

96 100

61 123.7 85.5 158.9

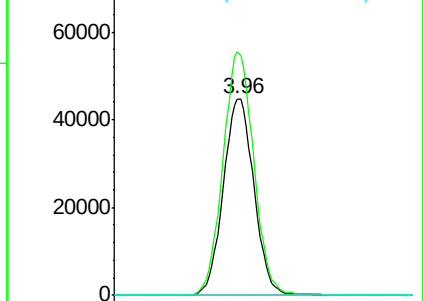
68 0.0 0.0 0.0



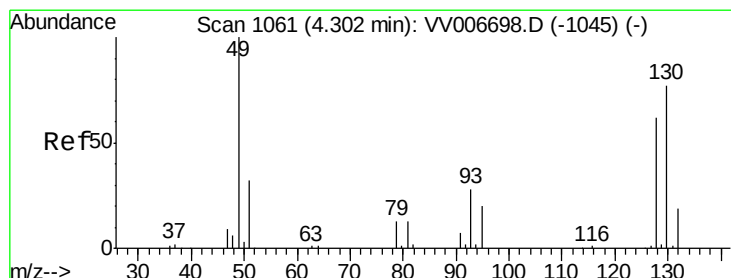
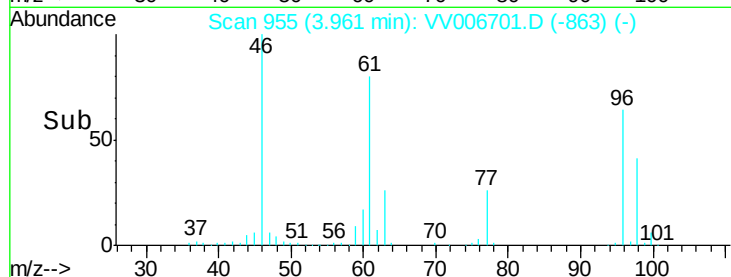
Abundance Ion 96.00 (95.70 to 96.70): VV006698.D (-938) (-)

Ion 61.05 (60.75 to 61.75): VV006698.D (-938) (-)

Ion 68.15 (67.85 to 68.85): VV006698.D (-938) (-)



Time-->



#23

Bromochloromethane

Concen: 5.214 ug/L

RT: 4.30 min Scan# 1060

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

Tgt Ion: 128 Resp: 43708

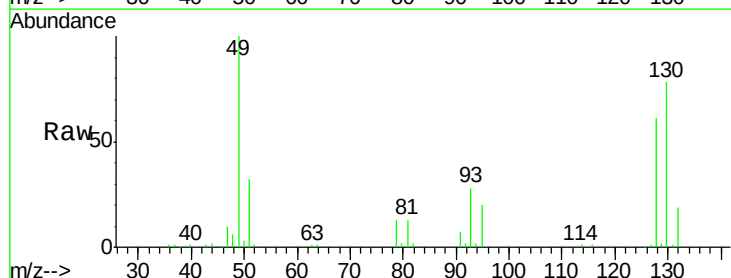
Ion Ratio Lower Upper

128 100

49 164.2 112.6 209.0

130 128.4 87.1 161.7

51 52.1 40.9 61.3

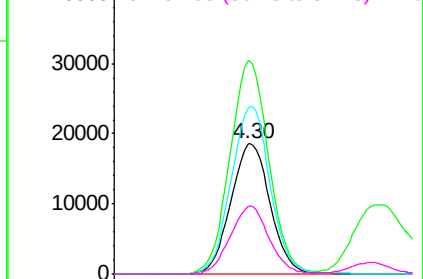


Abundance Ion 127.90 (127.60 to 128.60): VV006698.D (-1045) (-)

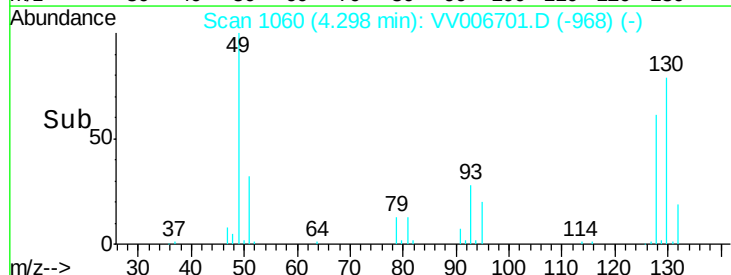
Ion 49.10 (48.80 to 49.80): VV006698.D (-1045) (-)

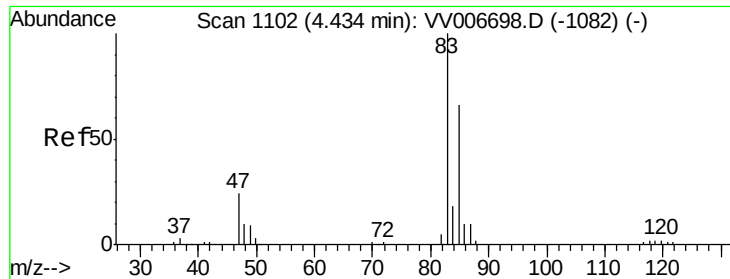
Ion 129.95 (129.65 to 130.65): VV006698.D (-1045) (-)

Ion 51.05 (50.75 to 51.75): VV006698.D (-1045) (-)



Time-->

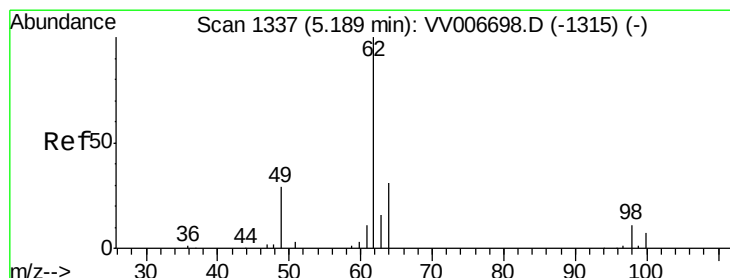
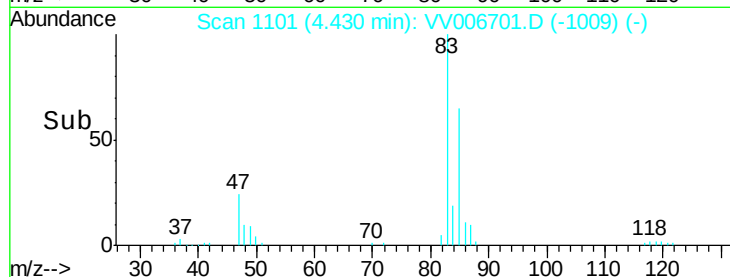
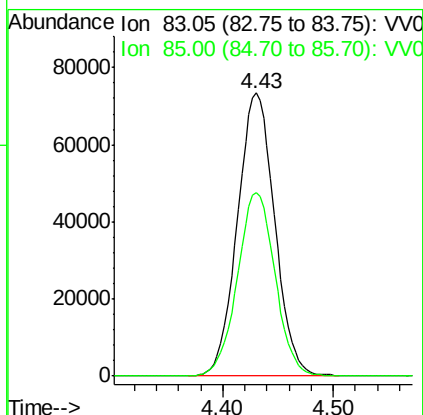
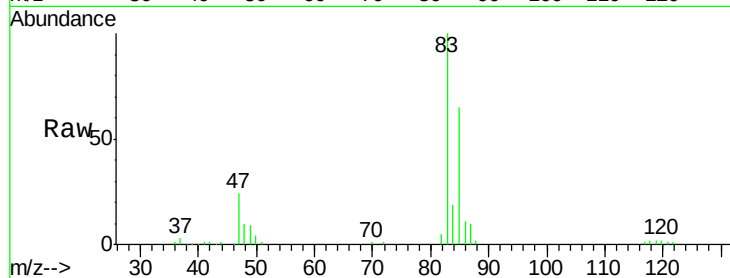




#25
Chloroform
Concen: 5.094 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV006701.D
Acq: 23 Jul 2018 16:39

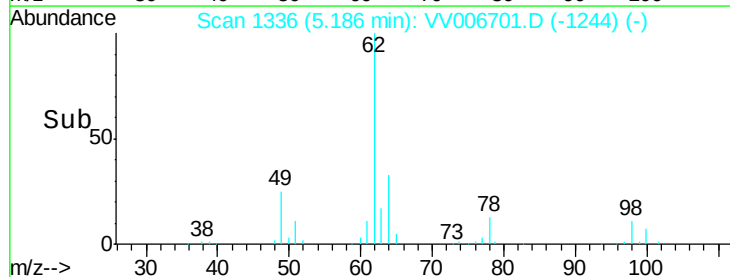
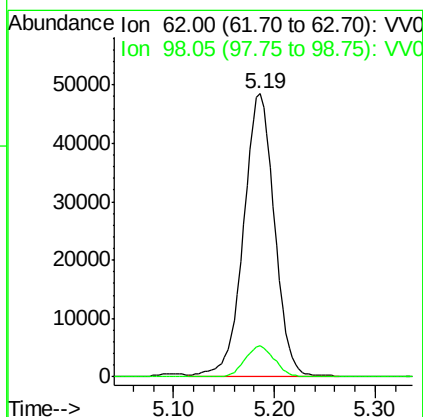
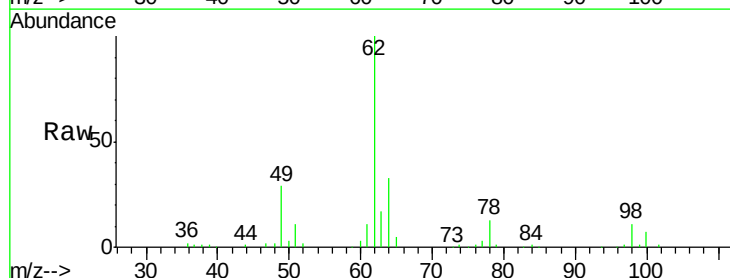
Instrument :
MSVOA_V
ClientSampled :
VICV80

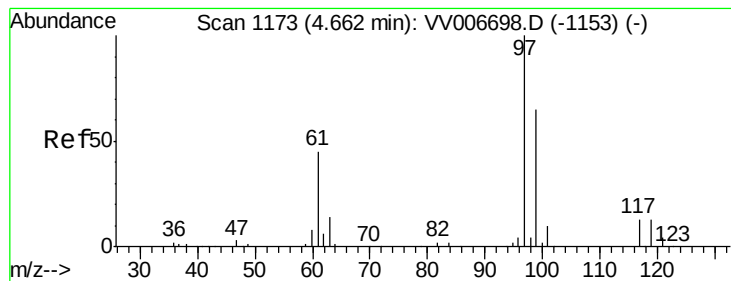
Tgt Ion: 83 Resp: 171785
Ion Ratio Lower Upper
83 100
85 64.8 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.121 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV006701.D
Acq: 23 Jul 2018 16:39

Tgt Ion: 62 Resp: 101321
Ion Ratio Lower Upper
62 100
98 10.9 8.4 12.6





#29

1,1,1-Trichloroethane

Concen: 5.233 ug/L

RT: 4.66 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

Instrument :

MSVOA_V

ClientSampled :

VICV80

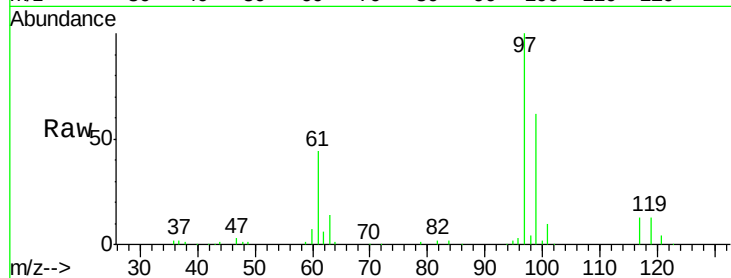
Tgt Ion: 97 Resp: 145050

Ion Ratio Lower Upper

97 100

99 63.1 51.7 77.5

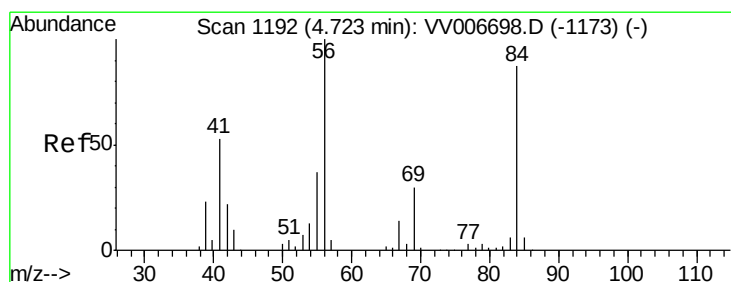
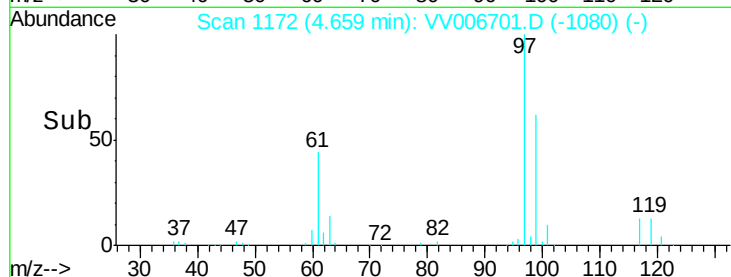
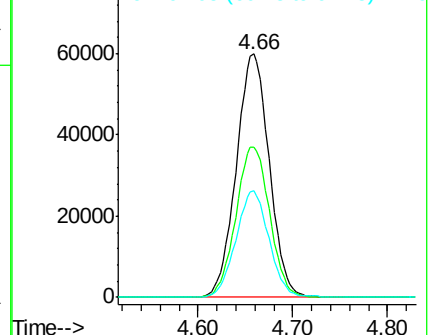
61 44.0 34.9 52.3



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: 5.348 ug/L

RT: 4.72 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

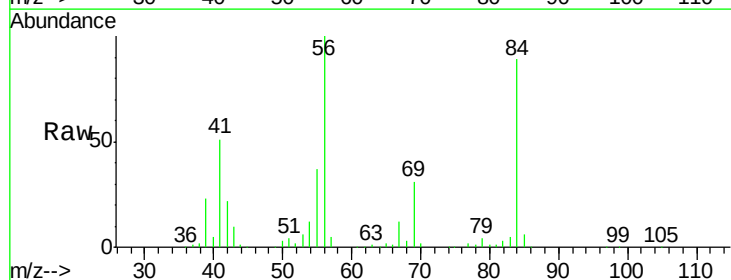
Tgt Ion: 56 Resp: 165960

Ion Ratio Lower Upper

56 100

69 30.8 24.6 36.8

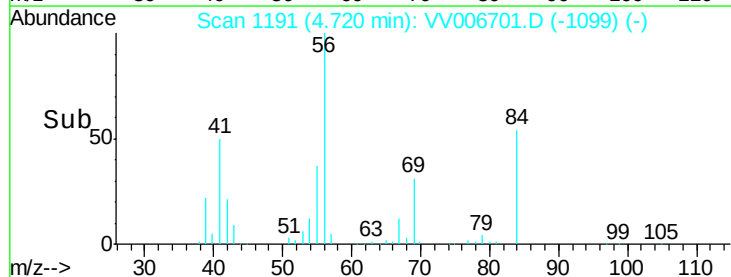
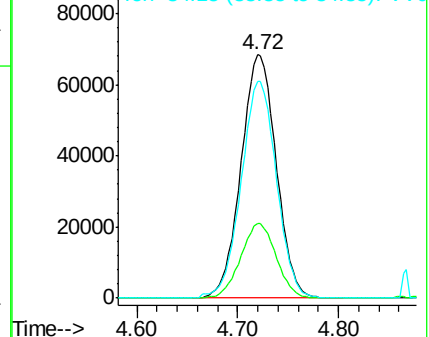
84 89.2 71.4 107.2

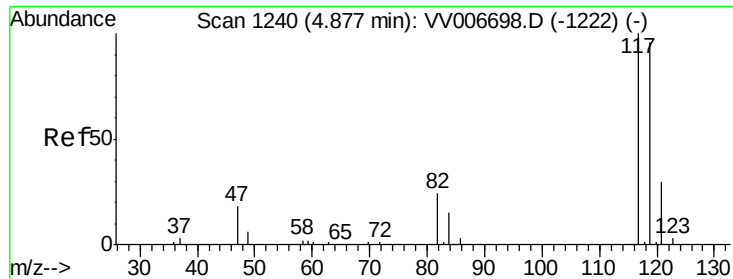


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.239 ug/L

RT: 4.87 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

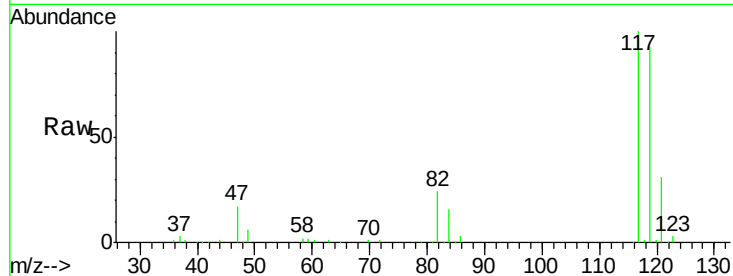
VICV80

Tgt Ion:117 Resp: 124109

Ion Ratio Lower Upper

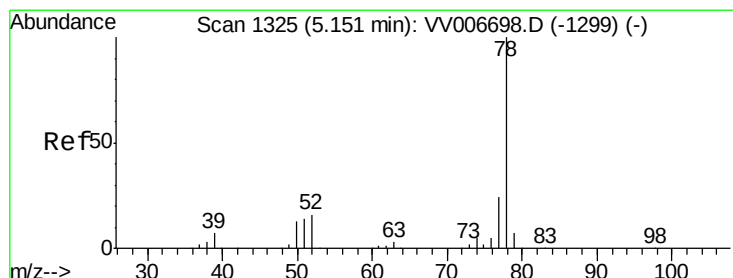
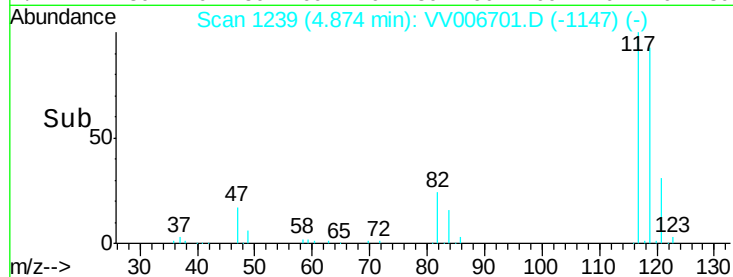
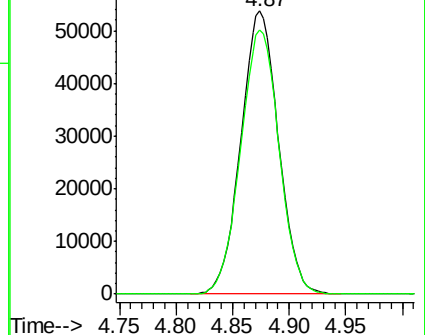
117 100

119 95.6 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: 5.271 ug/L

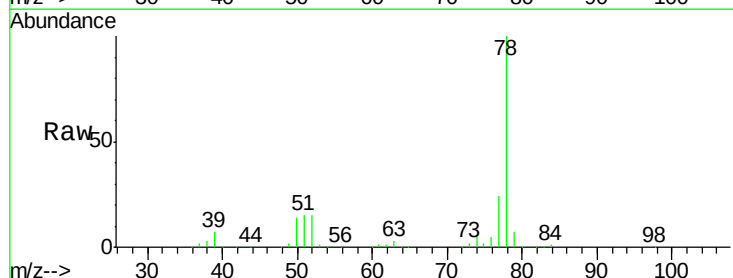
RT: 5.15 min Scan# 1324

Delta R.T. -0.00 min

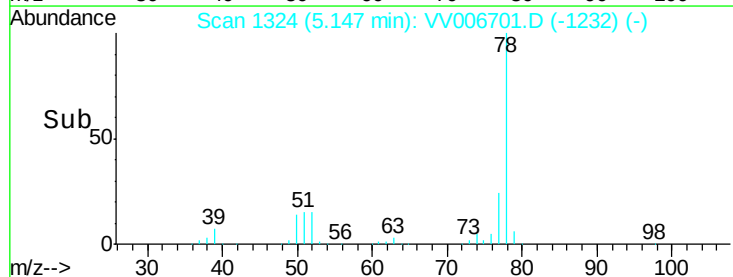
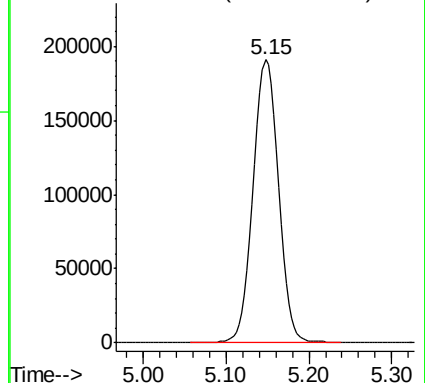
Lab File: VV006701.D

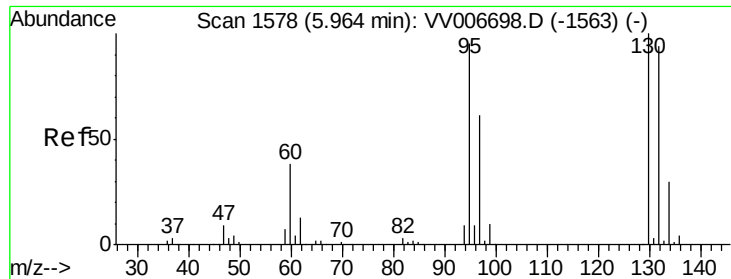
Acq: 23 Jul 2018 16:39

Tgt Ion: 78 Resp: 408260



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.213 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

VICV80

Tgt Ion: 95 Resp: 101922

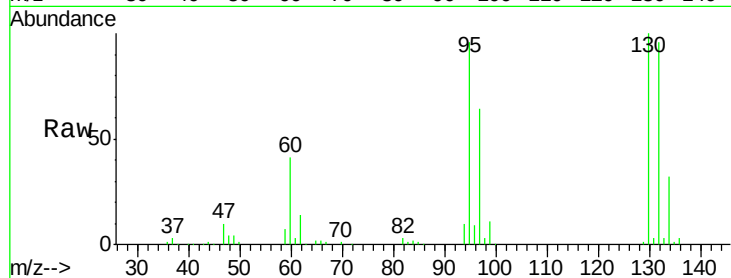
Ion Ratio Lower Upper

95 100

97 66.5 44.9 83.3

132 100.2 68.9 127.9

130 104.2 73.4 136.4

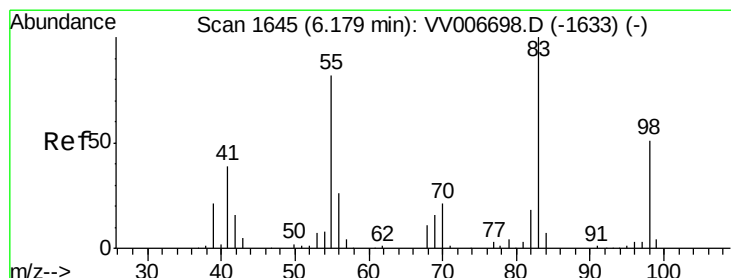
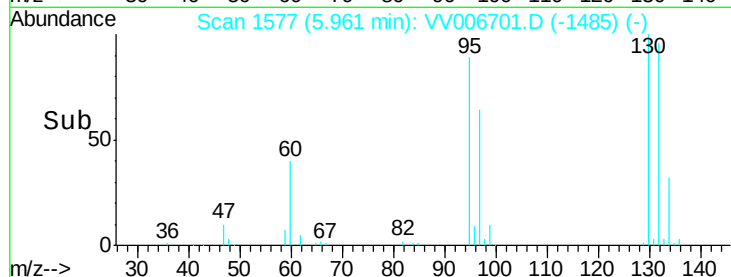
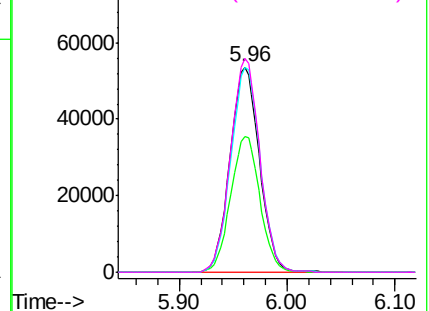


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 5.472 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

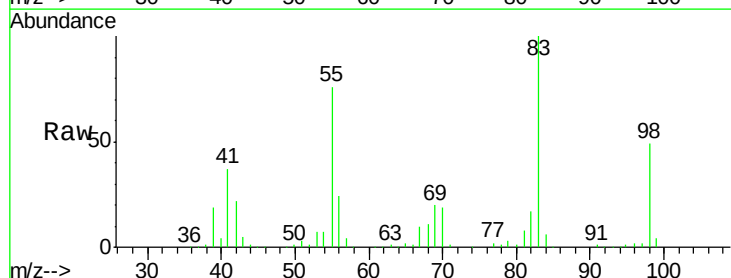
Tgt Ion: 83 Resp: 178701

Ion Ratio Lower Upper

83 100

55 76.6 61.9 92.9

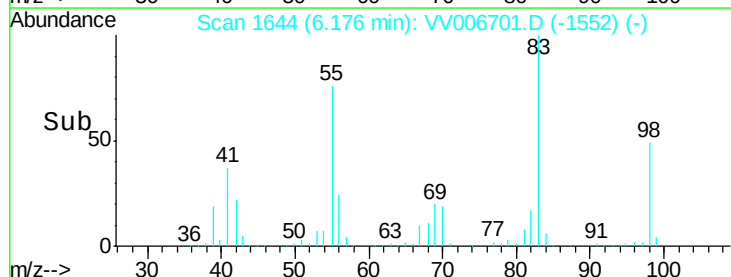
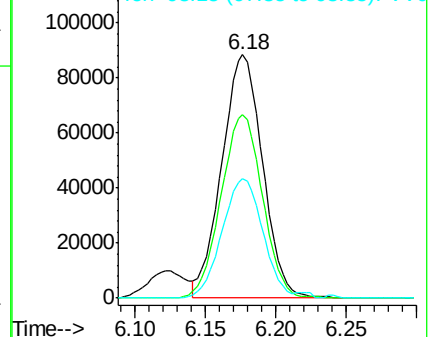
98 48.6 39.7 59.5

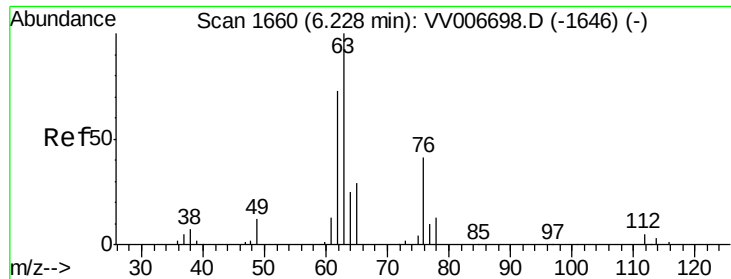


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

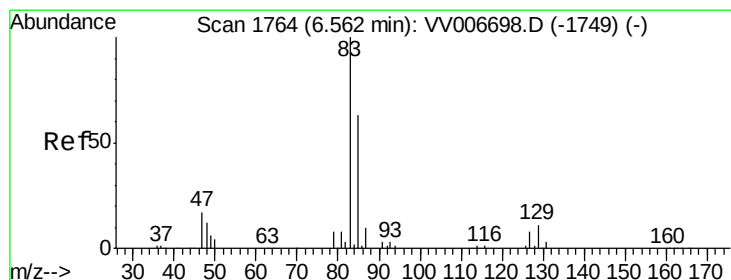
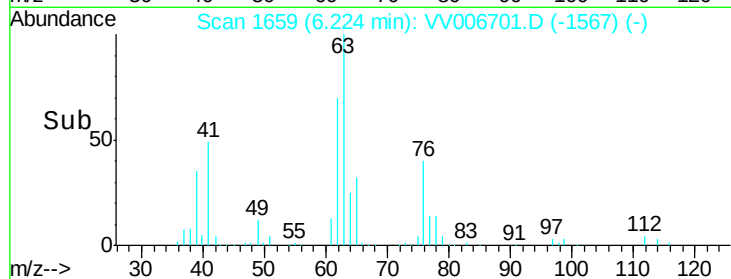
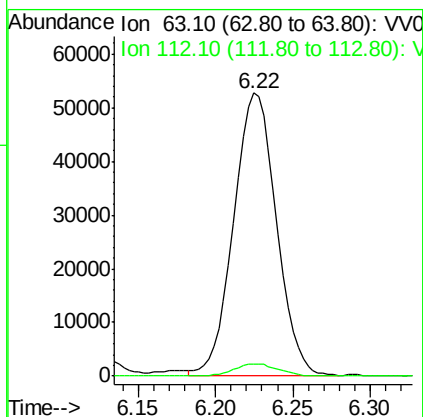
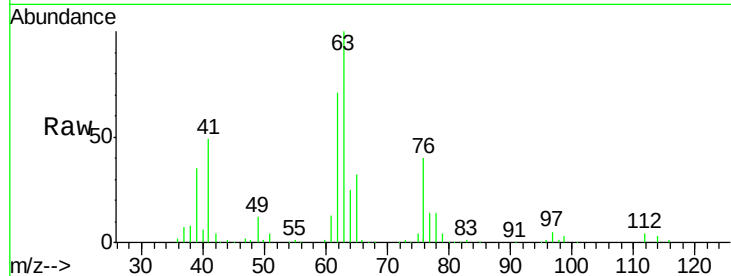




#37
 1,2-Dichloropropane
 Concen: 5.112 ug/L
 RT: 6.22 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VV006701.D
 Acq: 23 Jul 2018 16:39

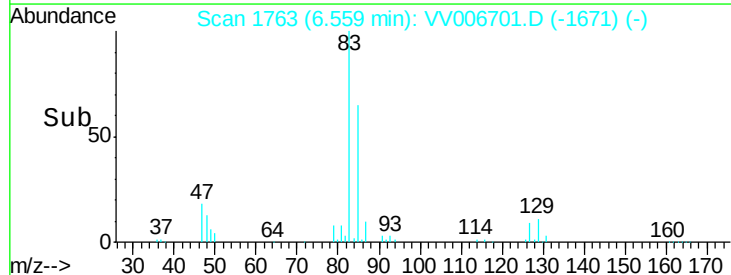
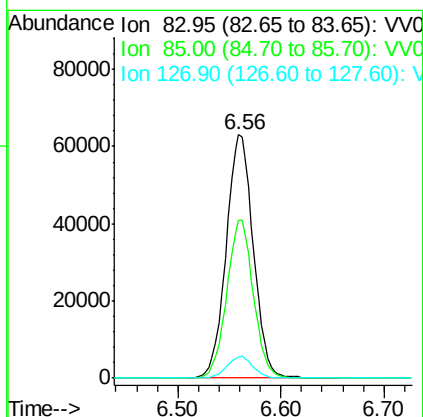
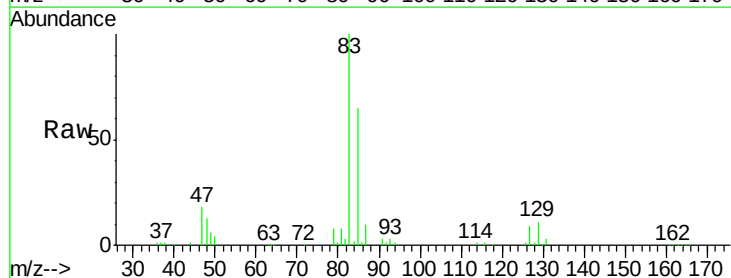
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV80

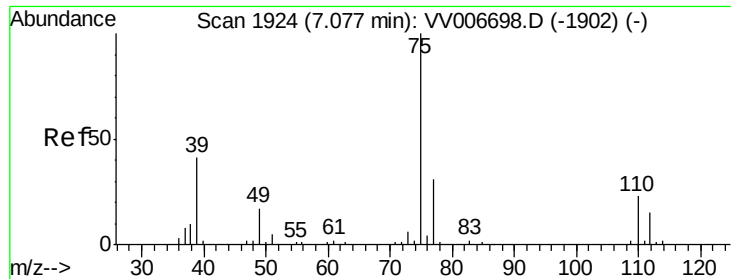
Tgt Ion: 63 Resp: 101629
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.8 5.6



#38
 Bromodichloromethane
 Concen: 5.193 ug/L
 RT: 6.56 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VV006701.D
 Acq: 23 Jul 2018 16:39

Tgt Ion: 83 Resp: 115331
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.4 82.4
 127 8.7 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 5.256 ug/L

RT: 7.08 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

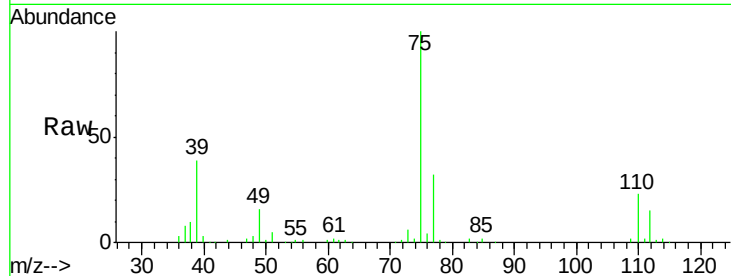
VICV80

Tgt Ion: 75 Resp: 136133

Ion Ratio Lower Upper

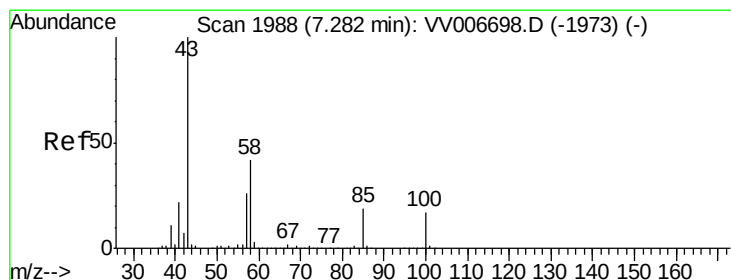
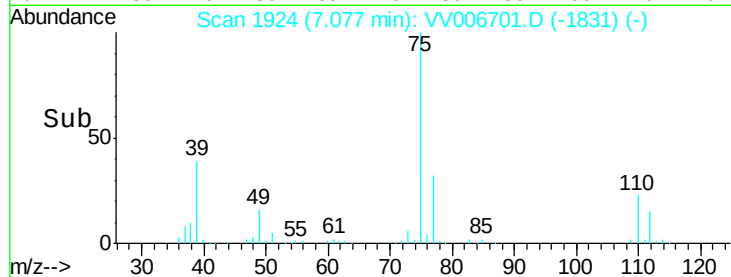
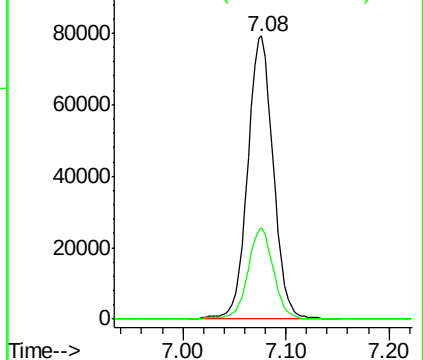
75 100

77 32.2 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 53.319 ug/L

RT: 7.28 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

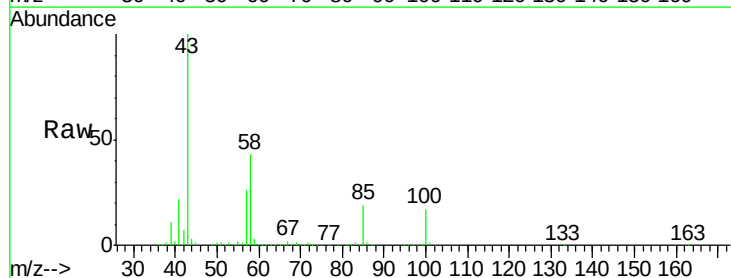
Tgt Ion: 43 Resp: 582745

Ion Ratio Lower Upper

43 100

58 42.1 33.4 50.0

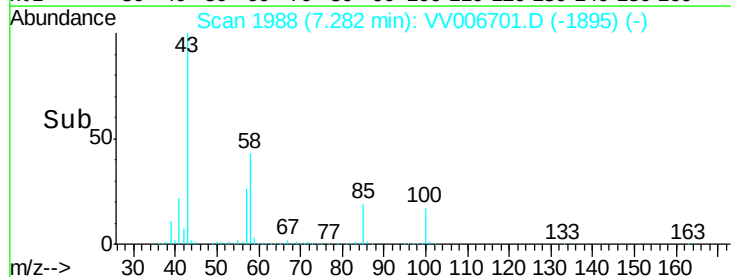
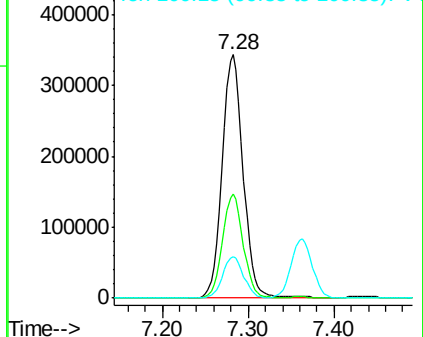
100 17.0 13.6 20.4

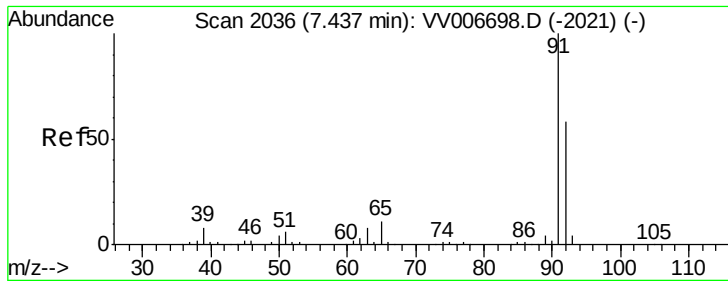


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.352 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

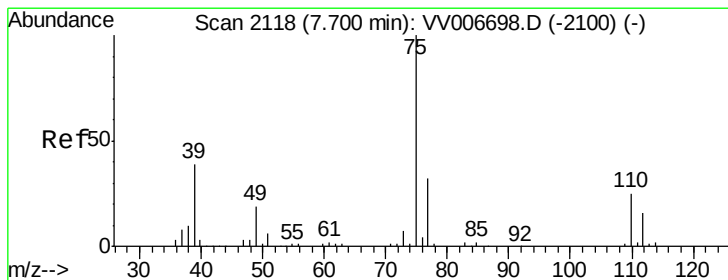
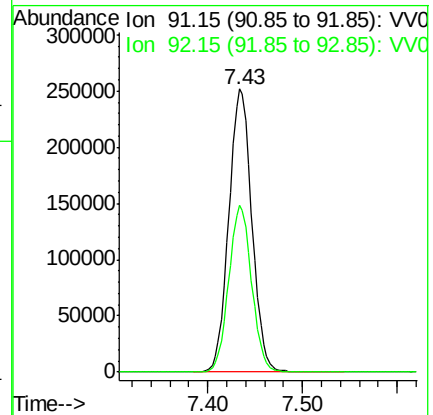
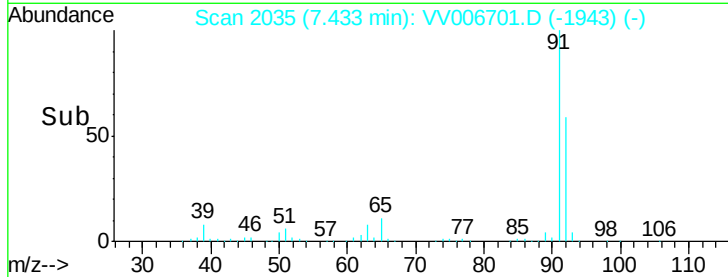
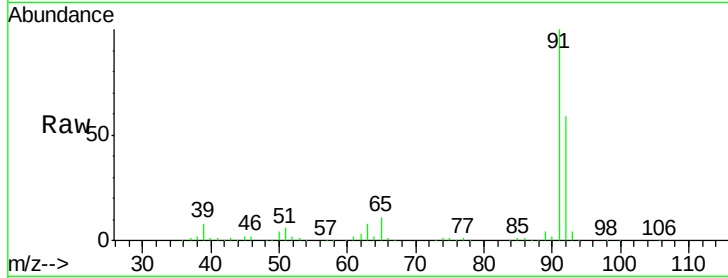
VICV80

Tgt Ion: 91 Resp: 426808

Ion Ratio Lower Upper

91 100

92 58.8 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 5.301 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VV006701.D

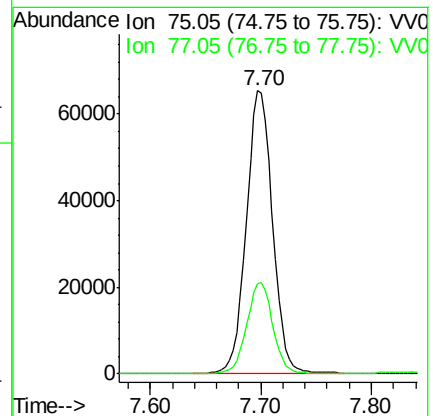
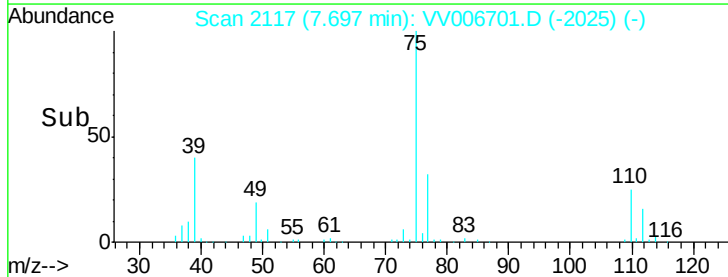
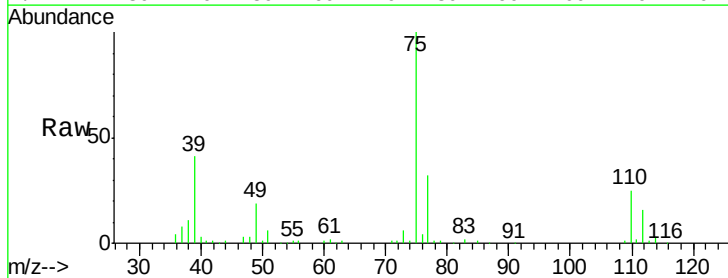
Acq: 23 Jul 2018 16:39

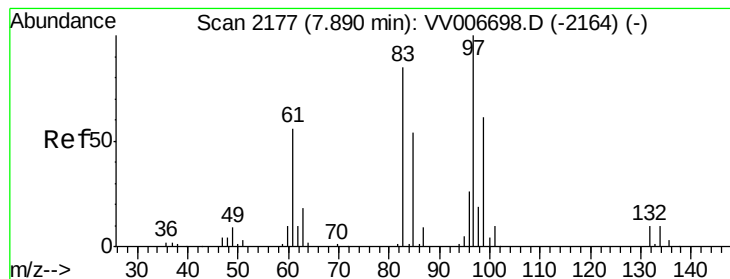
Tgt Ion: 75 Resp: 107960

Ion Ratio Lower Upper

75 100

77 31.7 22.8 42.4





#45

1,1,2-Trichloroethane

Concen: 5.161 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

VICV80

Tgt Ion: 97 Resp: 69113

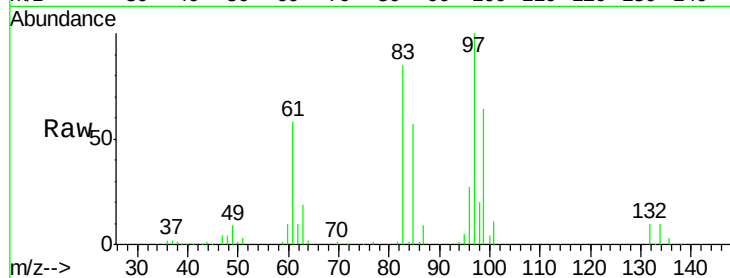
Ion Ratio Lower Upper

97 100

99 64.5 43.0 79.8

83 84.8 59.4 110.4

85 56.5 37.5 69.7

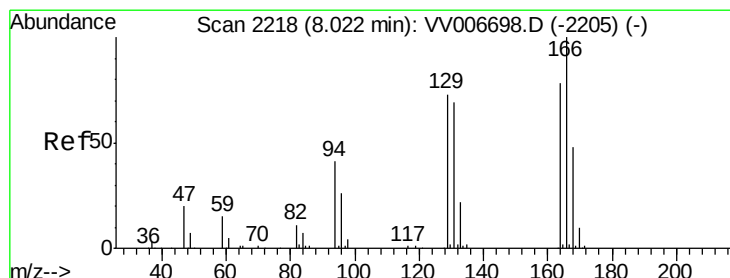
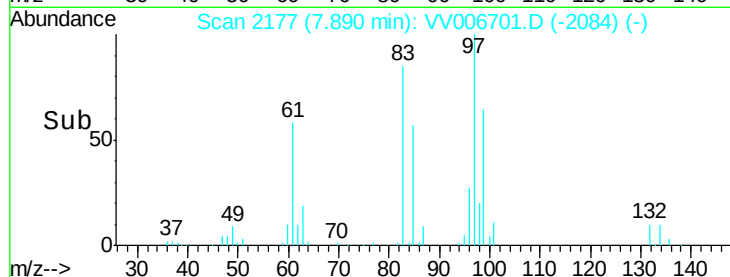
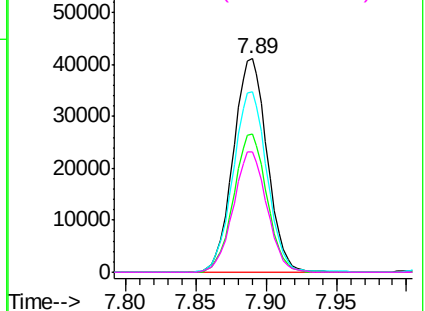


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 5.347 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

Tgt Ion: 164 Resp: 83037

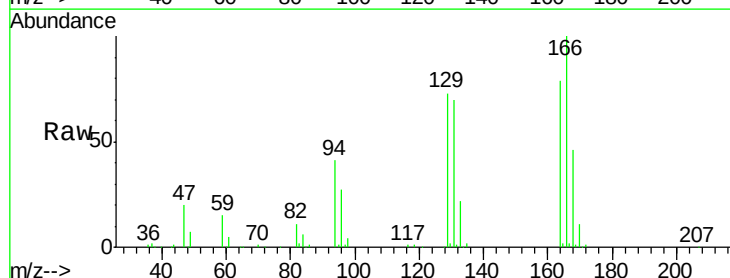
Ion Ratio Lower Upper

164 100

129 92.1 65.0 120.8

131 88.5 61.9 115.1

166 127.0 89.3 165.9

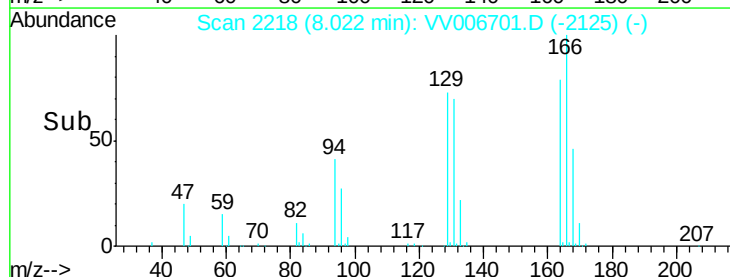
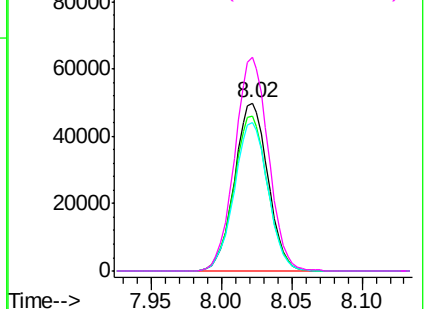


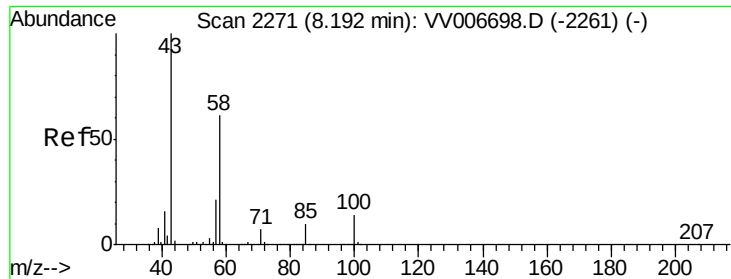
Abundance Ion 163.90 (163.60 to 164.60): V

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

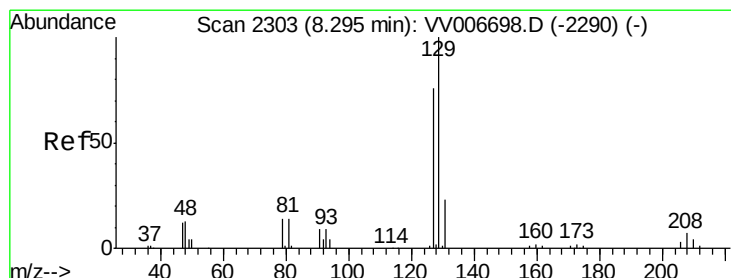
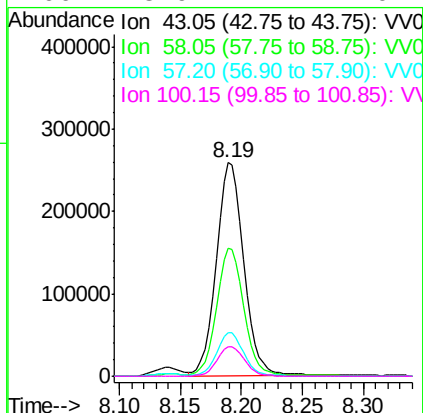
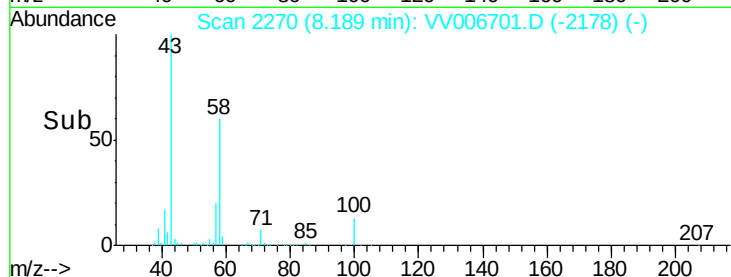
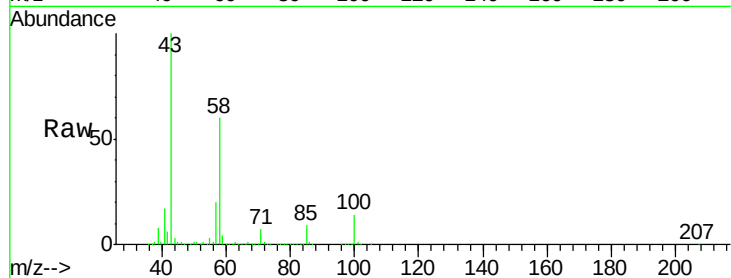




#48
2-Hexanone
Concen: 53.763 ug/L
RT: 8.19 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VV006701.D
Acq: 23 Jul 2018 16:39

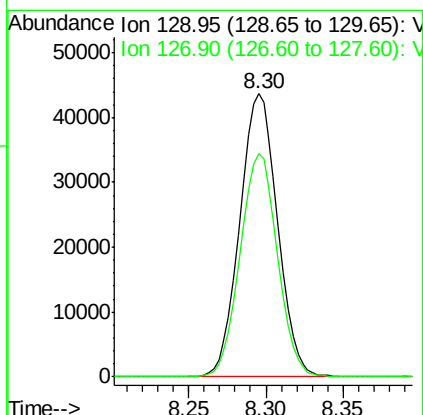
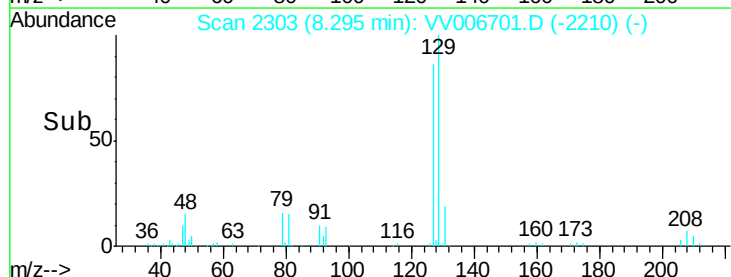
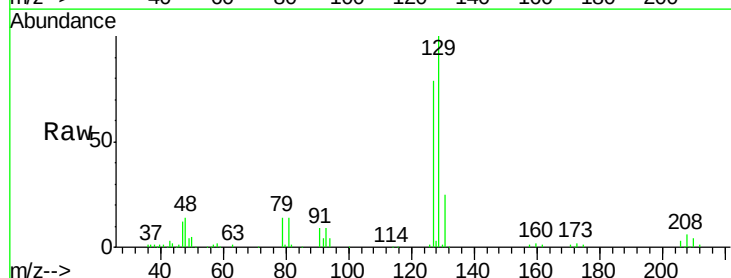
Instrument :
MSVOA_V
ClientSampleId :
VICV80

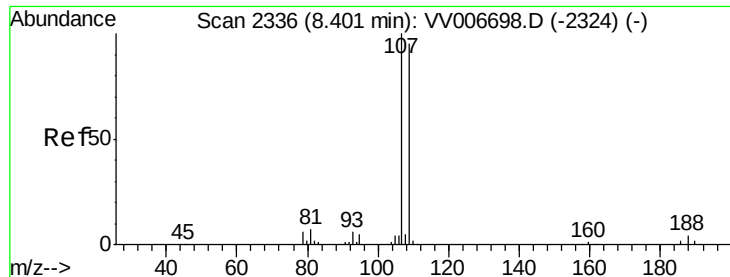
Tgt Ion:	43	Resp:	410007
Ion	Ratio	Lower	Upper
43	100		
58	60.1	47.2	70.8
57	20.2	16.1	24.1
100	13.9	11.1	16.7



#49
Dibromochloromethane
Concen: 5.222 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006701.D
Acq: 23 Jul 2018 16:39

Tgt Ion:	129	Resp:	74003
Ion	Ratio	Lower	Upper
129	100		
127	79.1	53.5	99.5

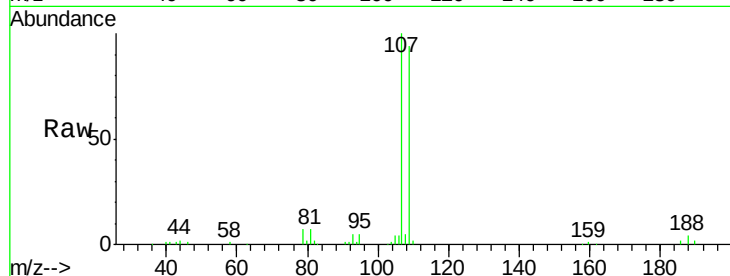




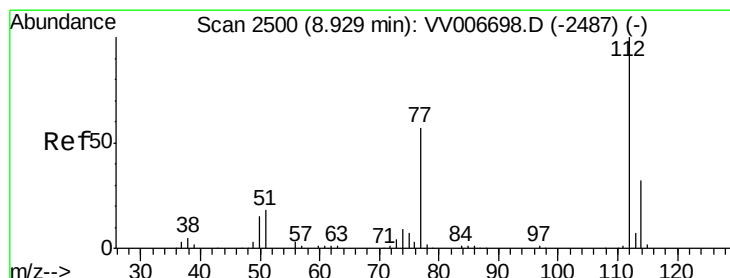
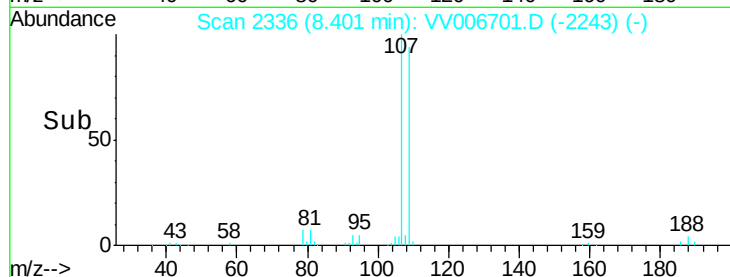
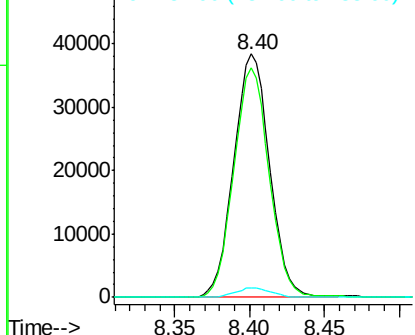
#50
1,2-Dibromoethane
Concen: 5.352 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006701.D
Acq: 23 Jul 2018 16:39

Instrument :
MSVOA_V
ClientSampleId :
VICV80

Tgt Ion:107 Resp: 64050
Ion Ratio Lower Upper
107 100
109 94.2 66.8 124.0
188 4.0 3.1 4.7

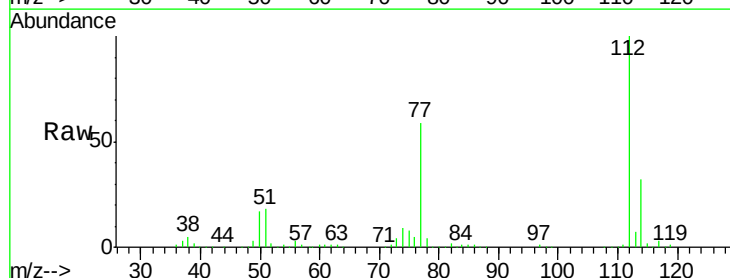


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

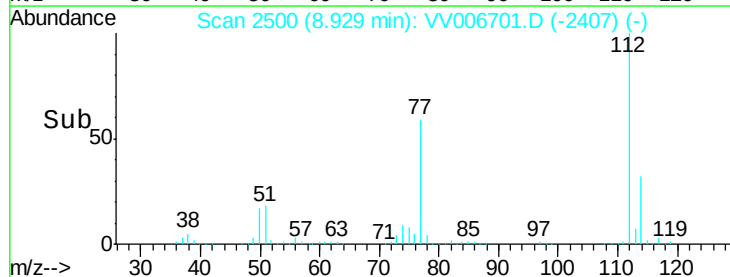
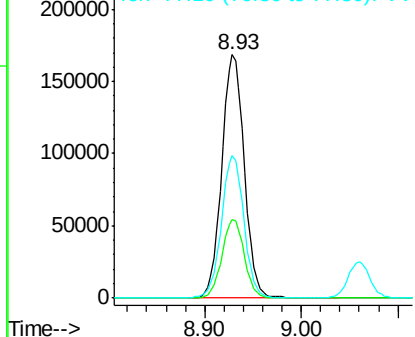


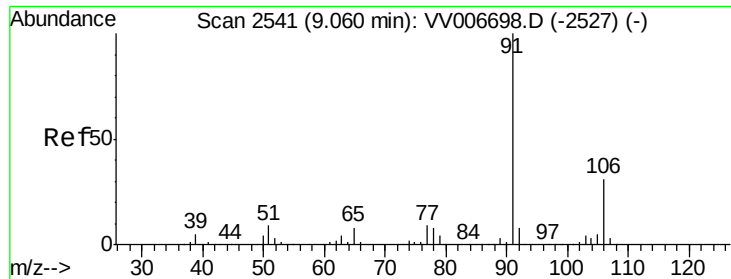
#51
Chlorobenzene
Concen: 5.243 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. -0.00 min
Lab File: VV006701.D
Acq: 23 Jul 2018 16:39

Tgt Ion:112 Resp: 271978
Ion Ratio Lower Upper
112 100
114 32.4 22.5 41.9
77 58.5 46.2 69.2



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.384 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

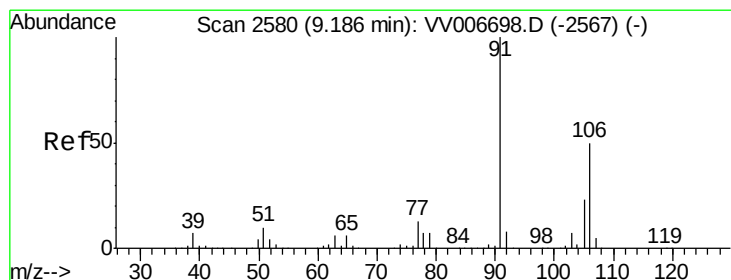
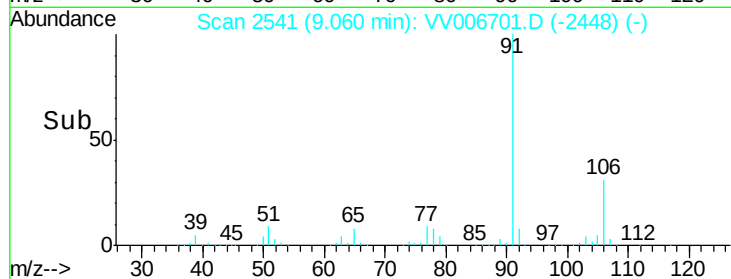
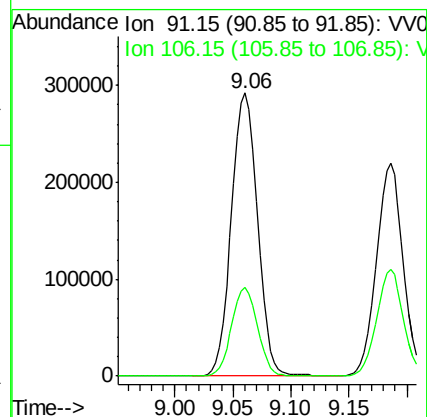
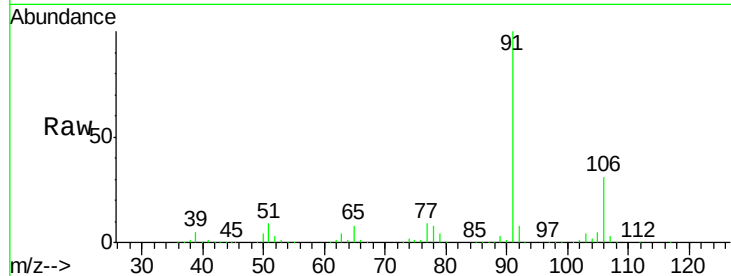
VICV80

Tgt Ion: 91 Resp: 457667

Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.6



#53

m,p-xylene

Concen: 5.511 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006701.D

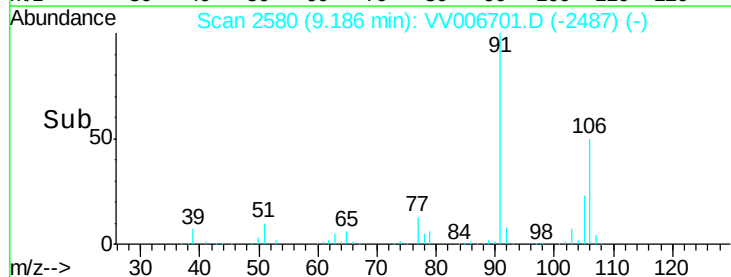
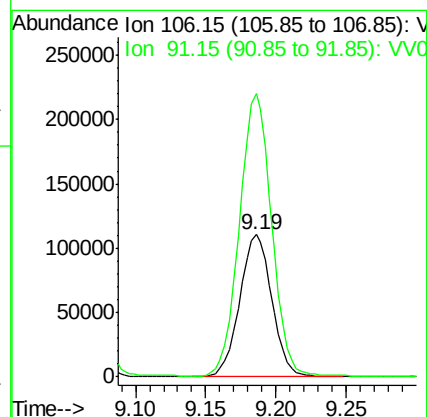
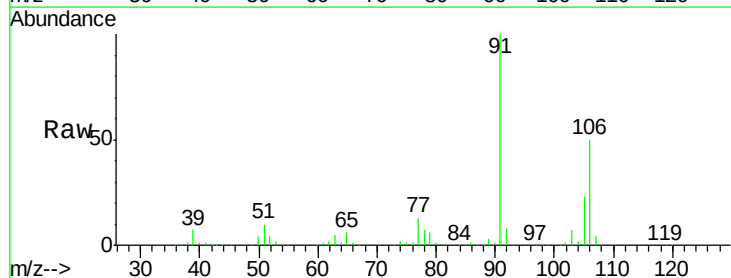
Acq: 23 Jul 2018 16:39

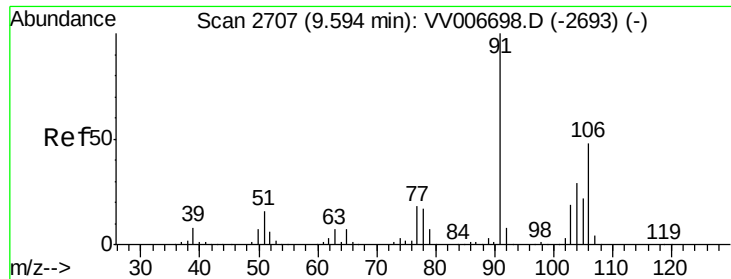
Tgt Ion: 106 Resp: 176868

Ion Ratio Lower Upper

106 100

91 199.0 140.3 260.5





#54

o-xylene

Concen: 5.419 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

Instrument :

MSVOA_V

ClientSampled :

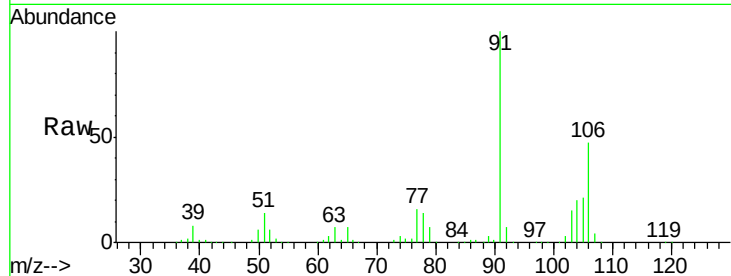
VICV80

Tgt Ion:106 Resp: 169429

Ion Ratio Lower Upper

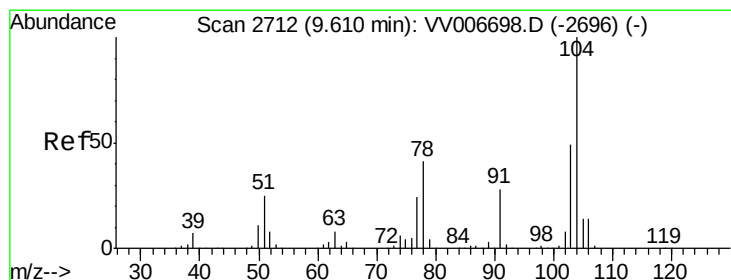
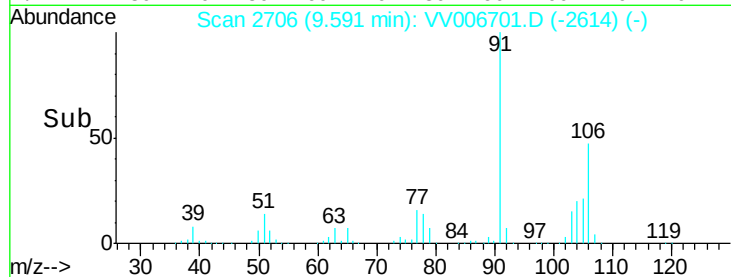
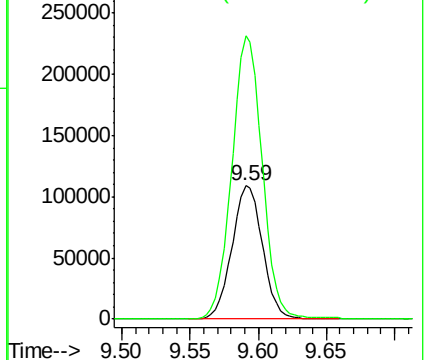
106 100

91 212.1 146.0 271.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.507 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV006701.D

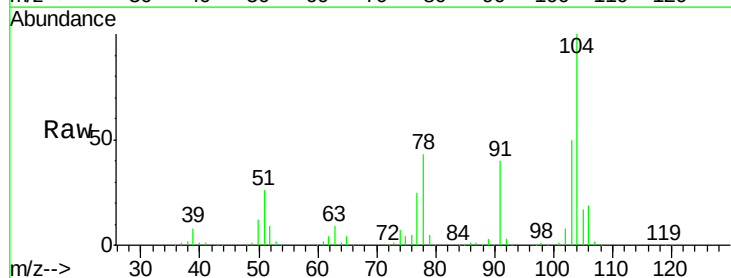
Acq: 23 Jul 2018 16:39

Tgt Ion:104 Resp: 290418

Ion Ratio Lower Upper

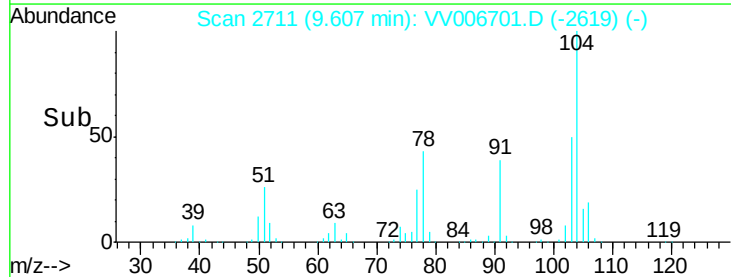
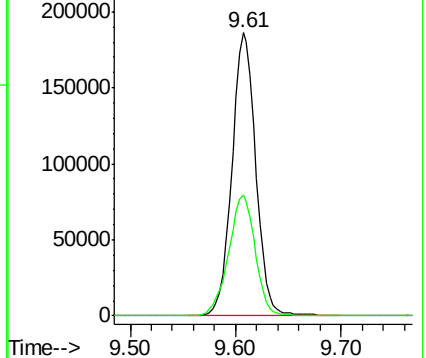
104 100

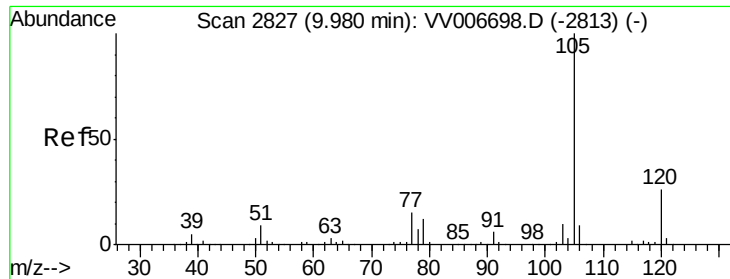
78 42.6 29.0 53.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.513 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

VICV80

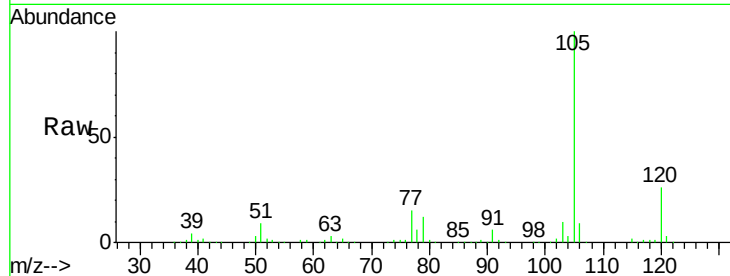
Tgt Ion: 105 Resp: 447559

Ion Ratio Lower Upper

105 100

120 26.5 21.5 32.3

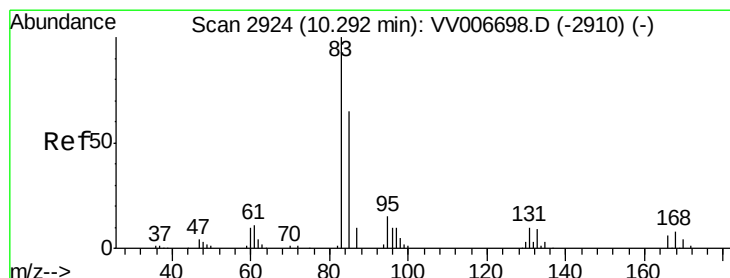
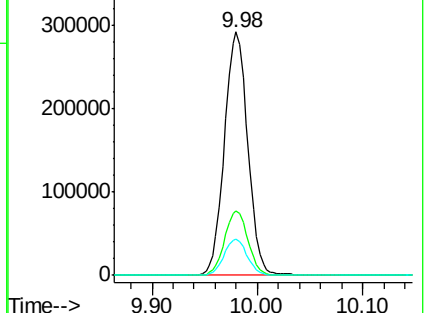
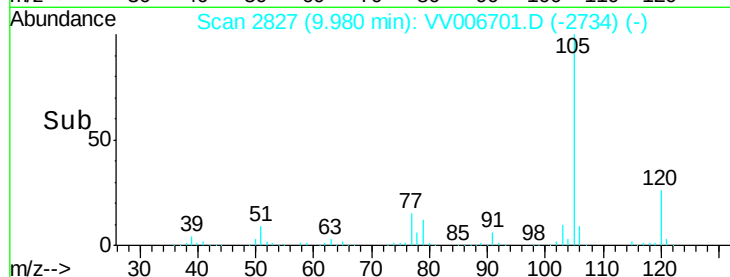
77 14.9 12.2 18.2



Abundance Ion 105.05 (104.75 to 105.75): VV006701.D (-2734) (-)

Ion 120.10 (119.80 to 120.80): VV006701.D (-2734) (-)

Ion 77.10 (76.80 to 77.80): VV006701.D (-2734) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.183 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

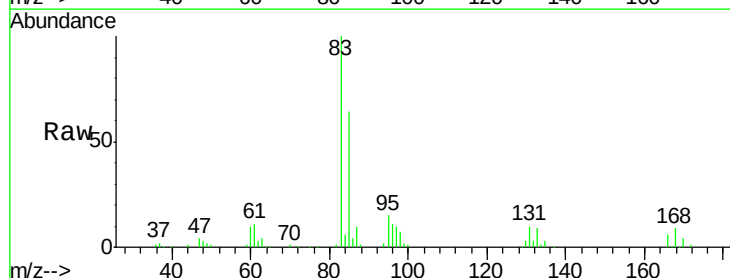
Tgt Ion: 83 Resp: 84905

Ion Ratio Lower Upper

83 100

85 63.9 45.6 84.6

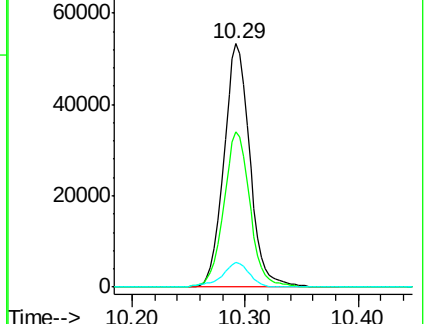
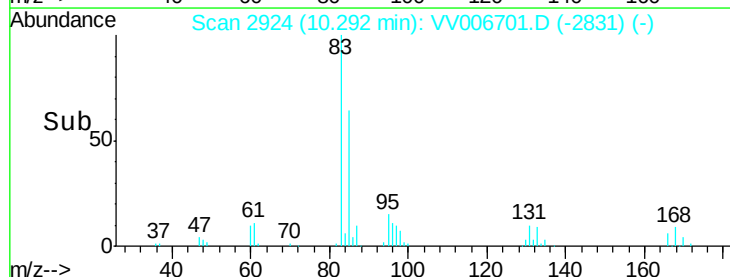
131 10.0 8.0 12.0

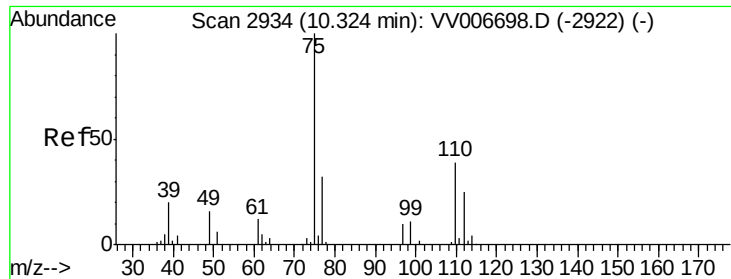


Abundance Ion 82.95 (82.65 to 83.65): VV006701.D (-2831) (-)

Ion 85.00 (84.70 to 85.70): VV006701.D (-2831) (-)

Ion 130.95 (130.65 to 131.65): VV006701.D (-2831) (-)





#59

1,2,3-Trichloropropane

Concen: 5.170 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

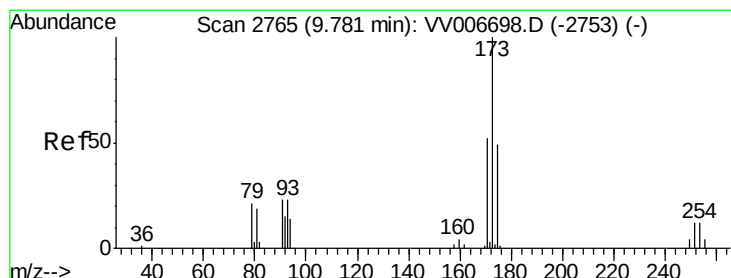
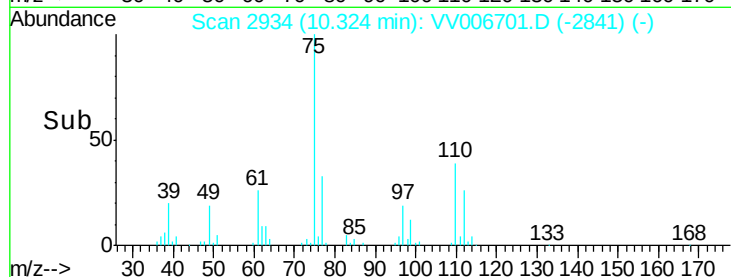
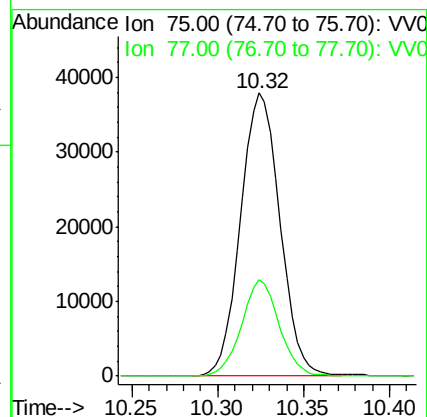
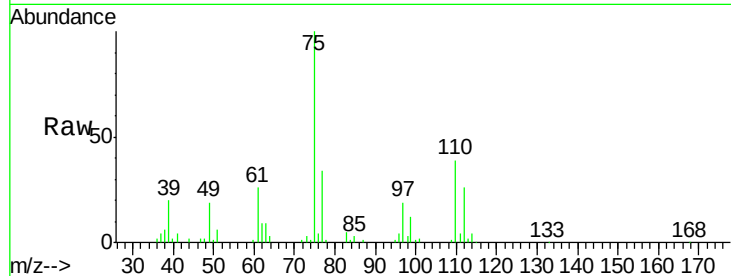
VICV80

Tgt Ion: 75 Resp: 60502

Ion Ratio Lower Upper

75 100

77 32.5 26.1 39.1



#61

Bromoform

Concen: 5.182 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

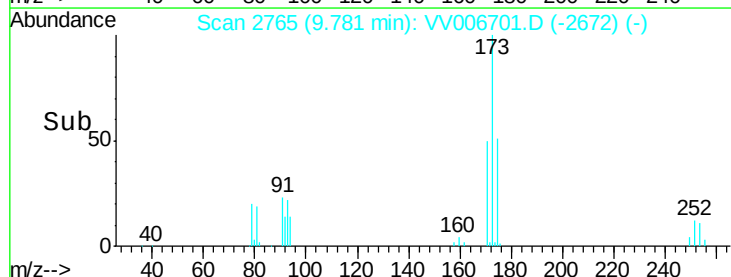
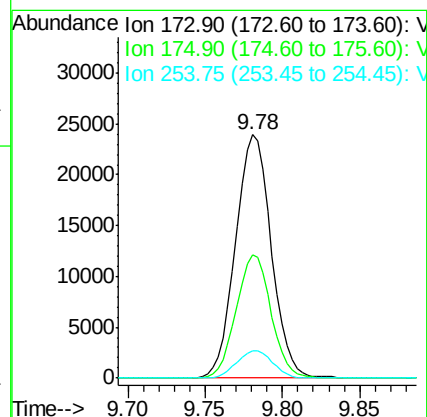
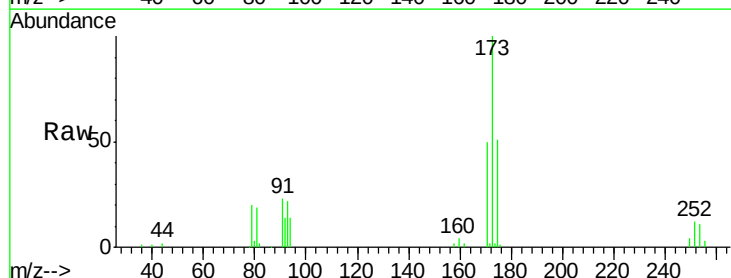
Tgt Ion: 173 Resp: 38333

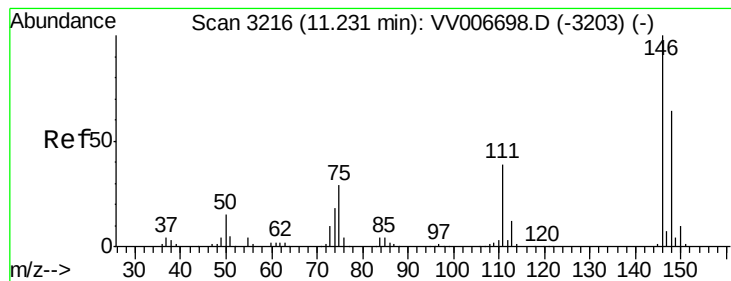
Ion Ratio Lower Upper

173 100

175 49.3 39.1 58.7

254 11.4 9.1 13.7





#62

1,3-Dichlorobenzene

Concen: 5.348 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

VICV80

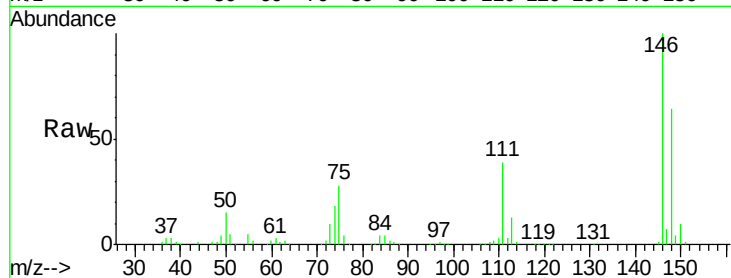
Tgt Ion:146 Resp: 201192

Ion Ratio Lower Upper

146 100

111 39.5 27.5 51.1

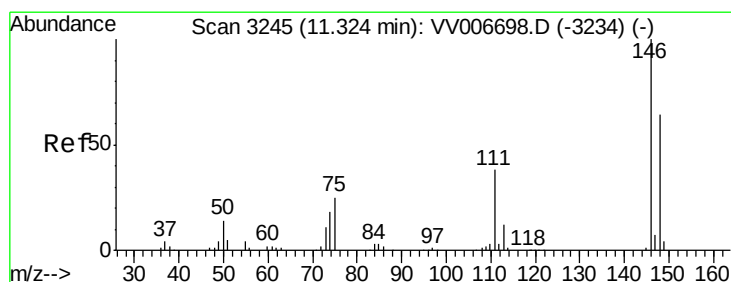
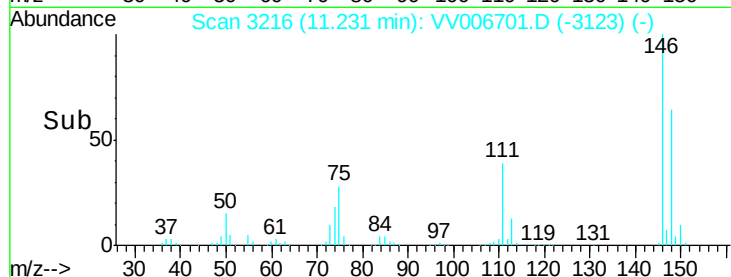
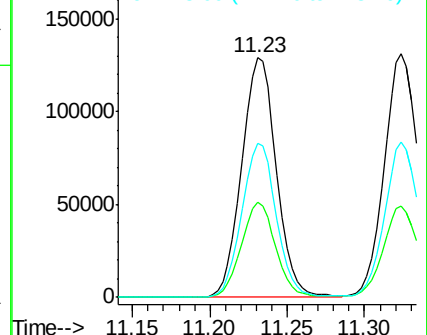
148 64.3 44.5 82.7



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: 5.339 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

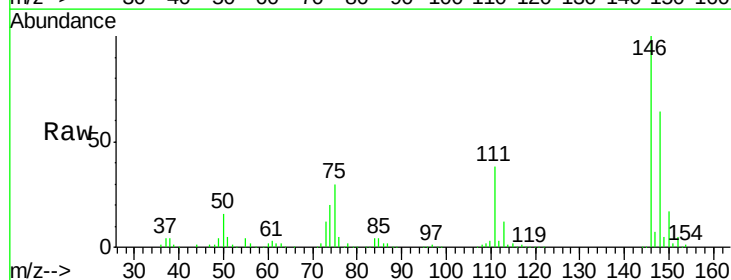
Tgt Ion:146 Resp: 204700

Ion Ratio Lower Upper

146 100

111 37.6 27.0 50.2

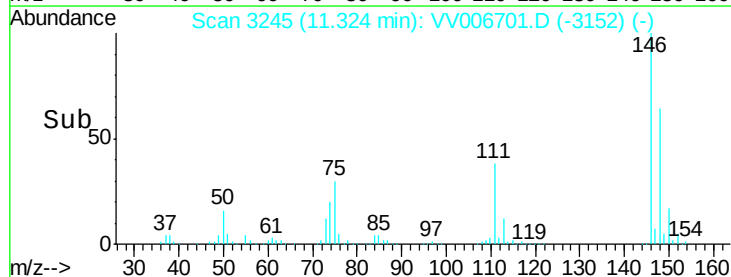
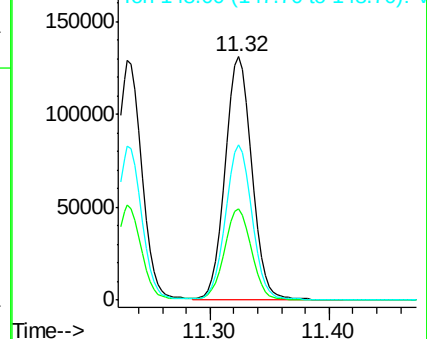
148 63.8 45.1 83.7

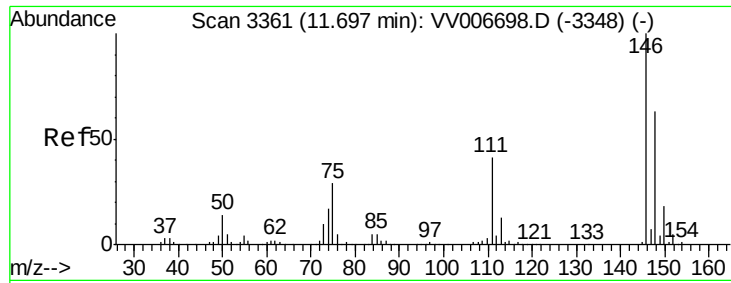


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

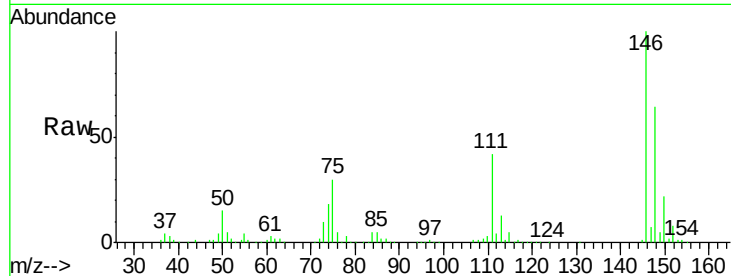




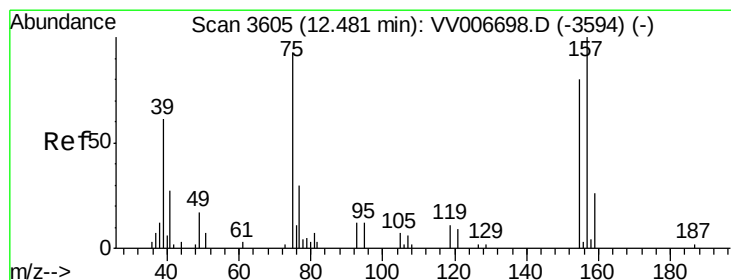
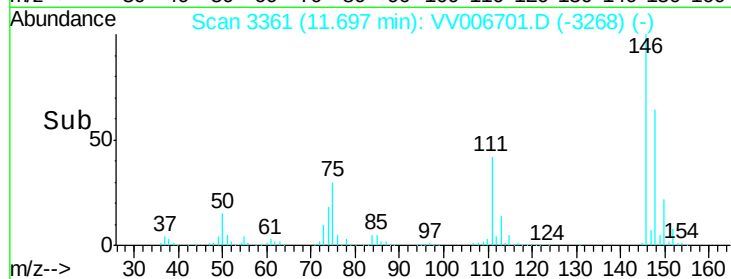
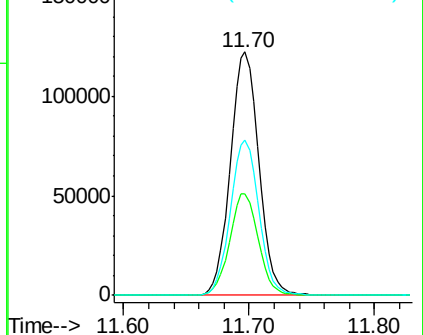
#65
 1,2-Dichlorobenzene
 Concen: 5.268 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. -0.00 min
 Lab File: VV006701.D
 Acq: 23 Jul 2018 16:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV80

Tgt Ion: 146 Resp: 193032
 Ion Ratio Lower Upper
 146 100
 111 41.9 32.9 49.3
 148 63.8 50.2 75.4

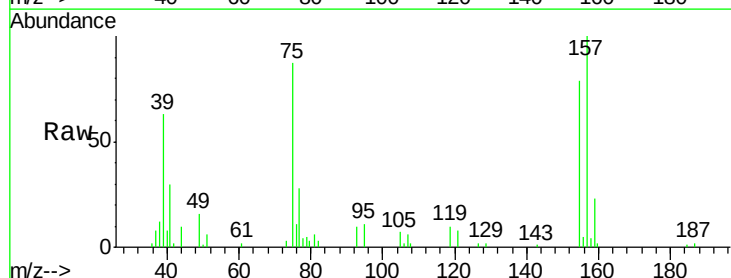


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

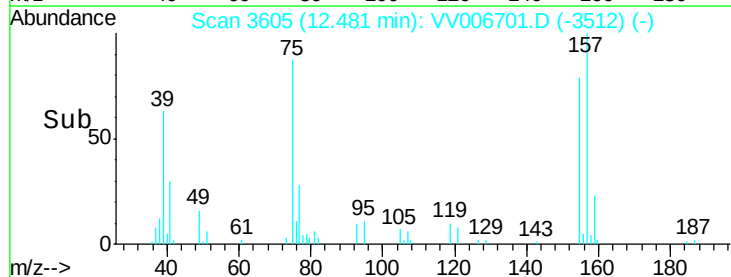
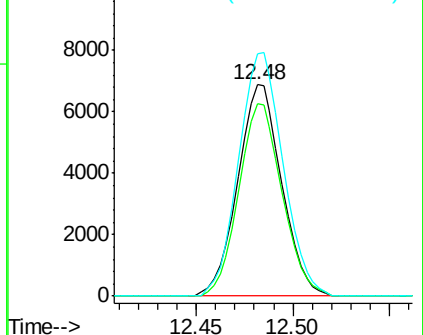


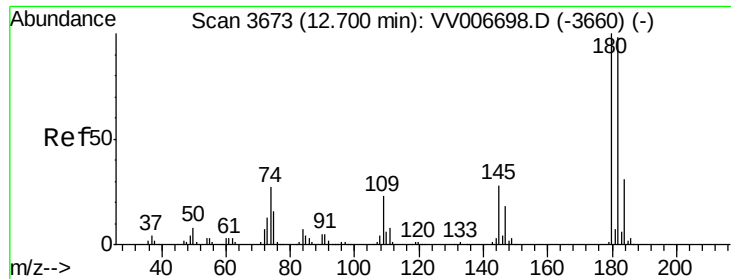
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.941 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VV006701.D
 Acq: 23 Jul 2018 16:39

Tgt Ion: 75 Resp: 10836
 Ion Ratio Lower Upper
 75 100
 155 91.1 68.8 103.2
 157 115.1 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

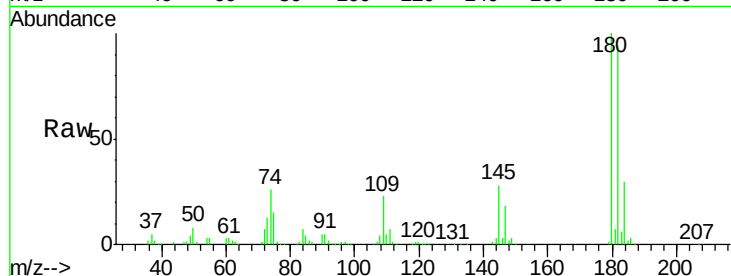




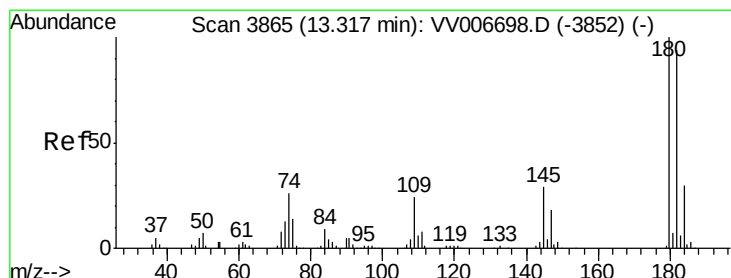
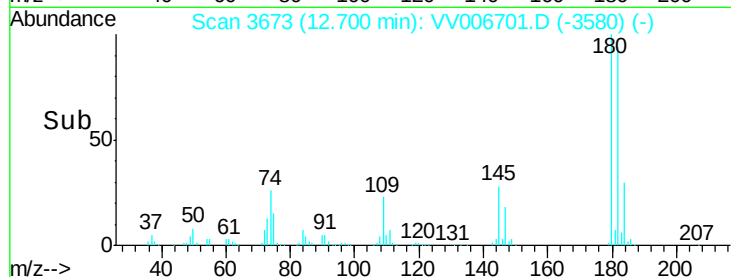
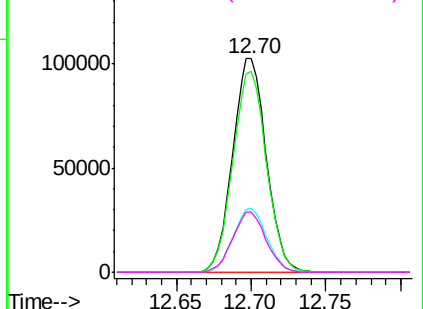
#67
 1,3,5-Trichlorobenzene
 Concen: 5.563 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. -0.00 min
 Lab File: VV006701.D
 Acq: 23 Jul 2018 16:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV80

Tgt Ion:180 Resp: 159778
 Ion Ratio Lower Upper
 180 100
 182 94.0 76.8 115.2
 184 29.8 24.6 37.0
 145 28.0 22.8 34.2

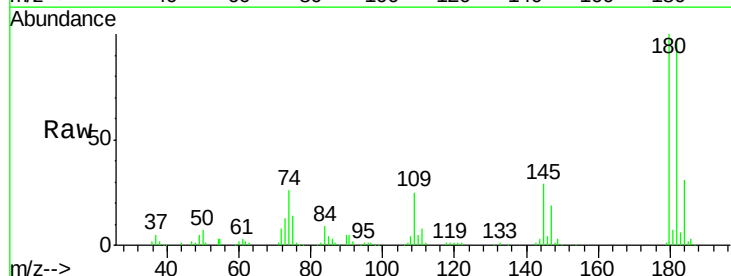


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

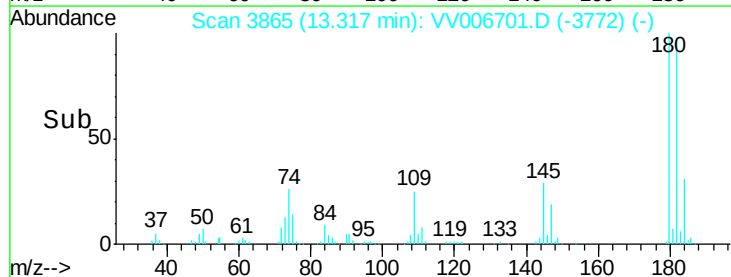
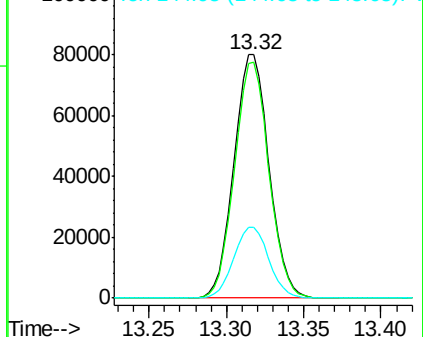


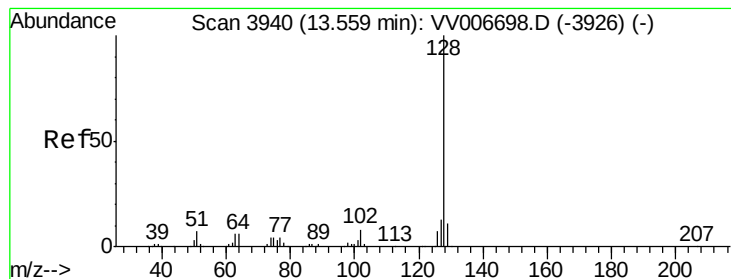
#68
 1,2,4-trichlorobenzene
 Concen: 5.508 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV006701.D
 Acq: 23 Jul 2018 16:39

Tgt Ion:180 Resp: 125661
 Ion Ratio Lower Upper
 180 100
 182 95.0 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: 5.396 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

Instrument :

MSVOA_V

ClientSampleId :

VICV80

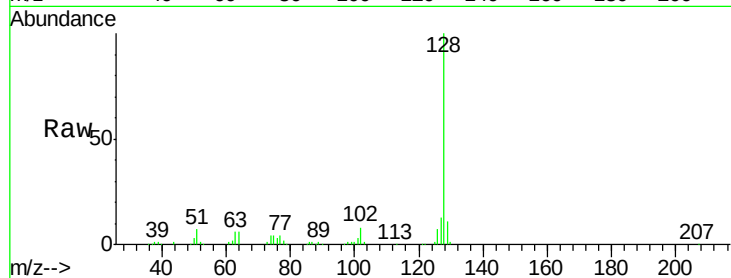
Tgt Ion:128 Resp: 210690

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

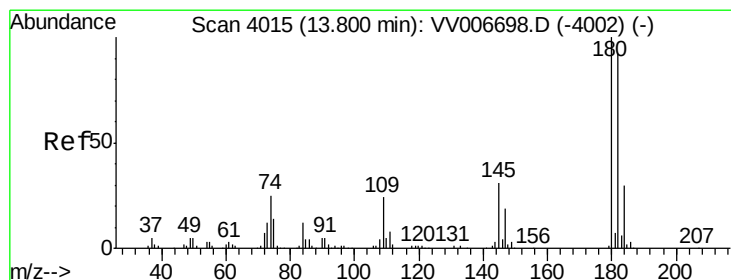
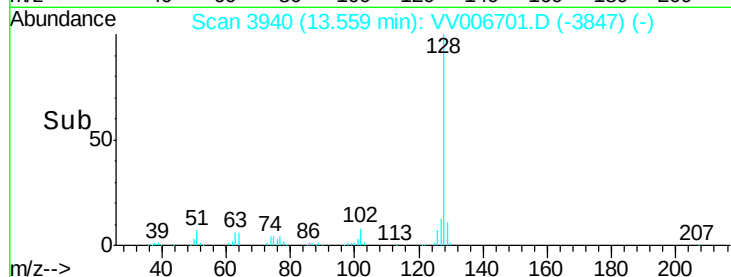
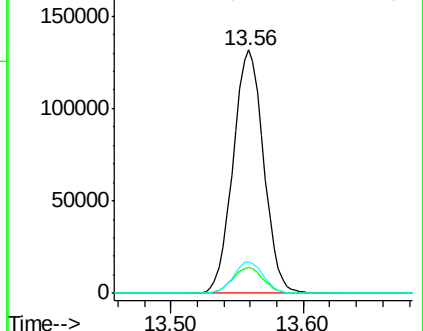
127 12.8 10.3 15.5



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: 5.486 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006701.D

Acq: 23 Jul 2018 16:39

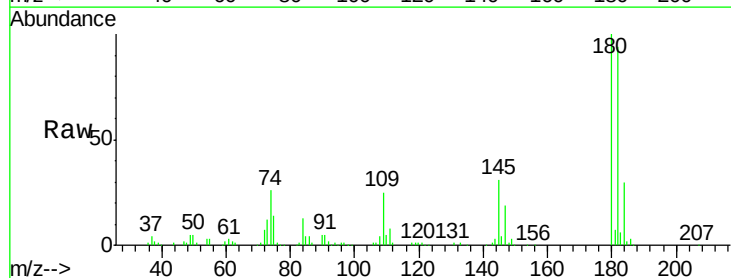
Tgt Ion:180 Resp: 118458

Ion Ratio Lower Upper

180 100

182 95.3 75.3 112.9

145 30.7 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

