

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062018\
 Data File : VW003348.D
 Acq On : 20 Jun 2018 12:10
 Operator : SY/AP
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV91

Quant Time: Jun 21 04:20:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 21 04:12:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	396440	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	375790	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	193276	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	147549	27.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.76%
7) Chloroethane-d5	2.89	69	120340	26.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.32%
10) 1,1-Dichloroethene-d2	4.01	63	274603	25.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.88%
20) 2-Butanone-d5	7.09	46	90697	53.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.06%
24) Chloroform-d	7.65	84	276639	26.53	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.12%
26) 1,2-Dichloroethane-d4	8.31	65	166734	26.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.64%
29) Benzene-d6	8.28	84	538403	27.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.00%
33) 1,2-Dichloropropane-d6	9.28	67	167836	26.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.36%
37) Toluene-d8	10.33	98	517430	27.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.56%
38) trans-1,3-Dichloropropene-	10.58	79	80140	27.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.20%
39) 2-Hexanone-d5	10.93	63	69854	54.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.30%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	154545	26.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.28%
61) 1,2-Dichlorobenzene-d4	13.87	152	191119	26.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.72%

Target Compounds

					Qvalue
3) Chloromethane	2.21	50	119237	25.491 ug/L	99
5) Vinyl chloride	2.36	62	160330	23.683 ug/L	99
6) Bromomethane	2.78	94	92617	23.513 ug/L	99
8) Chloroethane	2.93	64	96692	23.441 ug/L	98
9) Trichlorofluoromethane	3.26	101	87076	22.425 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	118404	22.584 ug/L	97
12) 1,1-Dichloroethene	4.03	96	113703	22.945 ug/L	96
13) Acetone	4.15	43	89994	49.834 ug/L	99
14) Carbon disulfide	4.37	76	377823	23.632 ug/L	99
15) Methyl Acetate	4.68	43	69281	23.406 ug/L	100
16) Methylene chloride	4.91	84	123603	22.627 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	227228	24.852 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	120742	23.384 ug/L	97
19) 1,1-Dichloroethane	6.21	63	224686	23.318 ug/L	99
21) 2-Butanone	7.19	43	101852	47.996 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	130462	23.775 ug/L	97
23) Bromochloromethane	7.51	128	59087	23.276 ug/L	96

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 QLast Update : Thu Jun 21 04:12:02 2018
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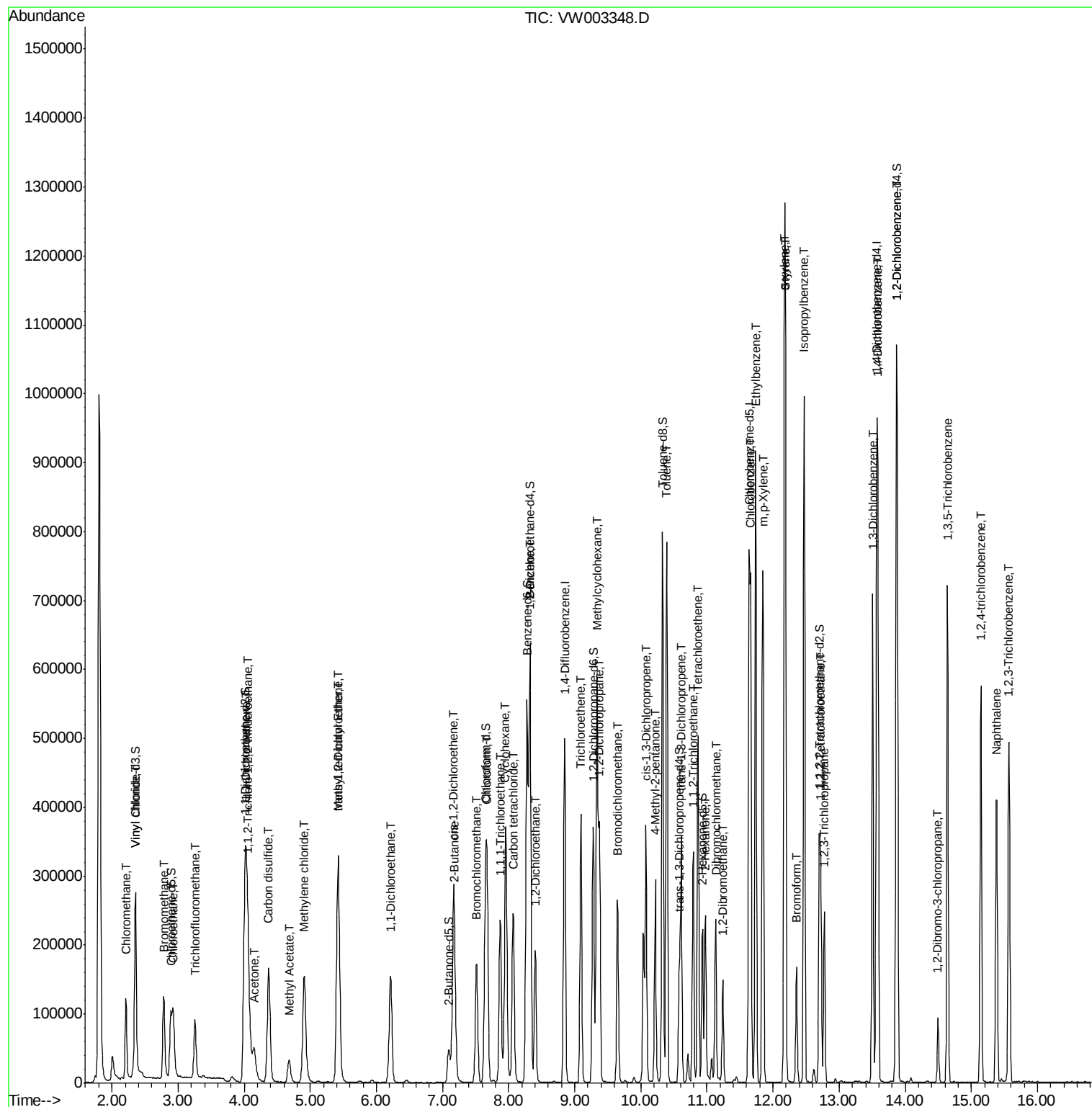
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.68	83	230515	23.269	ug/L	99
27) 1,2-Dichloroethane	8.40	62	172204	24.004	ug/L	100
30) Cyclohexane	7.95	56	206367	23.786	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	190311	23.051	ug/L	99
32) Carbon tetrachloride	8.07	117	183574	23.015	ug/L	99
34) Benzene	8.32	78	503255	23.485	ug/L	100
35) Trichloroethene	9.09	95	131883	22.834	ug/L	99
36) Methylcyclohexane	9.34	83	231218	23.450	ug/L	100
40) 1,2-Dichloropropane	9.37	63	132927	23.572	ug/L	99
41) Bromodichloromethane	9.65	83	171494	23.660	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	207611	24.668	ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	191947	47.644	ug/L	99
44) Toluene	10.39	91	551185	23.717	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	185819	24.400	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	97919	23.259	ug/L	97
47) Tetrachloroethene	10.87	164	109322	22.524	ug/L	97
49) 2-Hexanone	10.98	43	152389	50.759	ug/L	100
50) Dibromochloromethane	11.13	129	121550	23.717	ug/L	96
51) 1,2-Dibromoethane	11.24	107	97463	23.297	ug/L	95
52) Chlorobenzene	11.66	112	350677	23.236	ug/L	99
53) Ethylbenzene	11.74	91	621513	23.842	ug/L	100
54) m,p-Xylene	11.85	106	232138	23.977	ug/L	94
55) o-xylene	12.17	106	221411	24.042	ug/L	98
56) Styrene	12.19	104	387475	24.370	ug/L	99
57) Isopropylbenzene	12.47	105	615578	24.092	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	130960	23.597	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	98700	23.206	ug/L	100
62) Bromoform	12.35	173	74530	22.913	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	276114	23.234	ug/L	100
64) 1,4-Dichlorobenzene	13.59	146	285875	22.945	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	264128	23.280	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	22497	22.594	ug/L	88
67) 1,3,5-Trichlorobenzene	14.64	180	217240	23.525	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	176184	23.436	ug/L	97
69) Naphthalene	15.38	128	348798	24.797	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	166927	24.228	ug/L	98

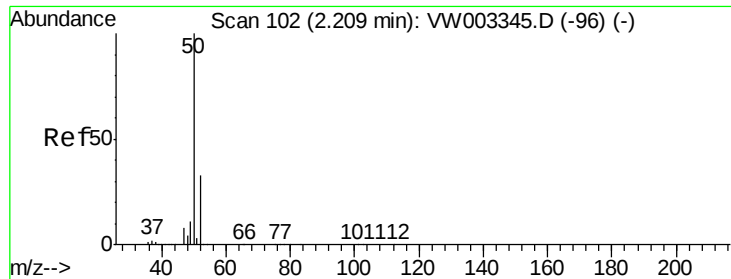
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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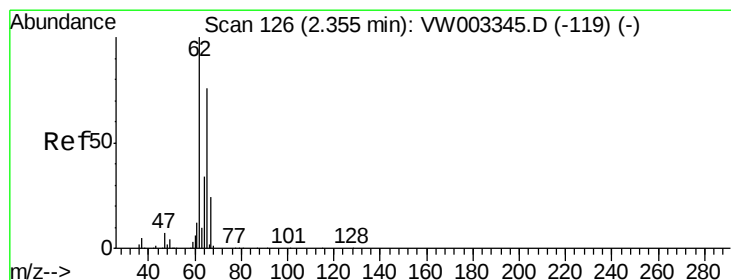
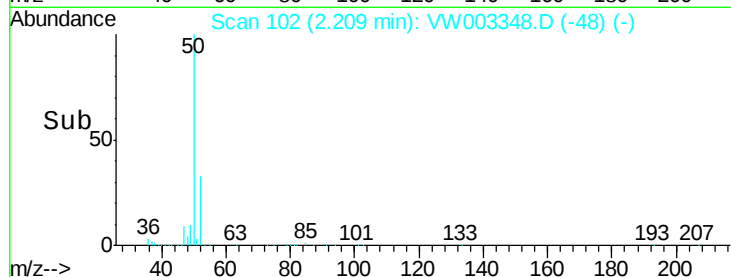
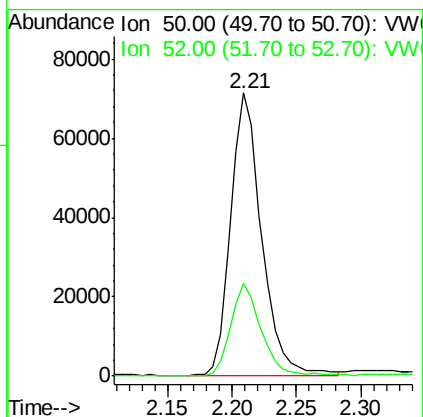
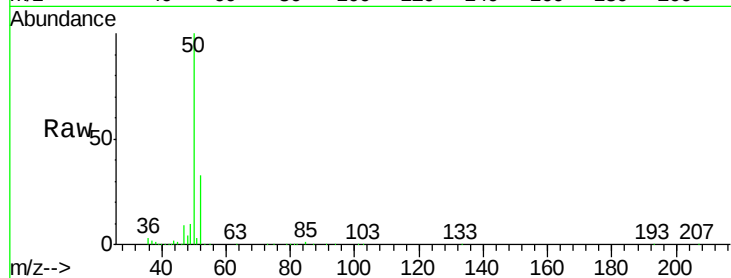




#3
Chloromethane
Concen: 25.491 ug/L
RT: 2.21 min Scan# 102
Delta R.T. 0.00 min
Lab File: VW003348.D
Acq: 20 Jun 2018 12:10

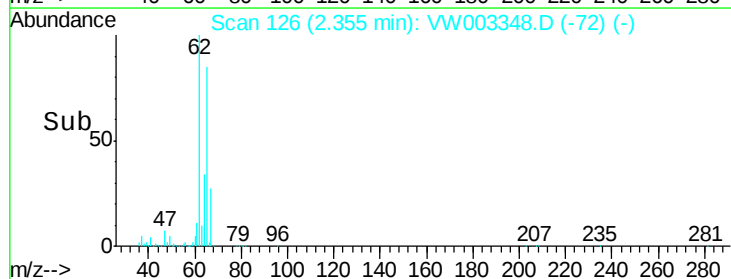
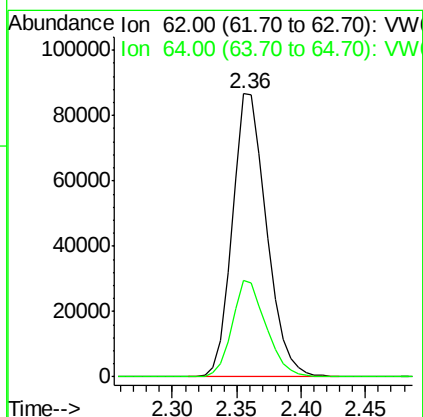
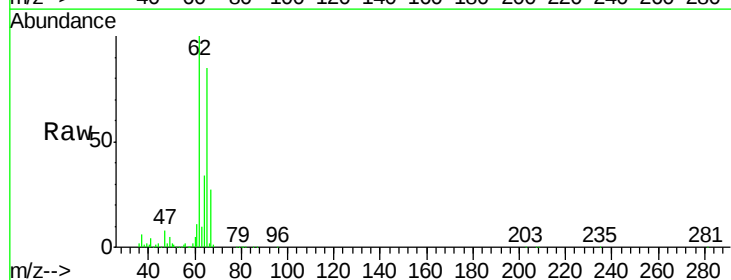
Instrument :
MSVOA_W
ClientSampled :
VICV91

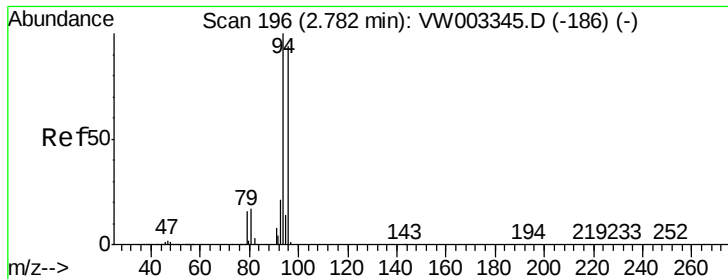
Tgt Ion: 50 Resp: 119237
Ion Ratio Lower Upper
50 100
52 32.7 23.3 43.3



#5
Vinyl chloride
Concen: 23.683 ug/L
RT: 2.36 min Scan# 126
Delta R.T. 0.00 min
Lab File: VW003348.D
Acq: 20 Jun 2018 12:10

Tgt Ion: 62 Resp: 160330
Ion Ratio Lower Upper
62 100
64 33.9 23.5 43.7





#6

Bromomethane

Concen: 23.513 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

Instrument :

MSVOA_W

ClientSampleId :

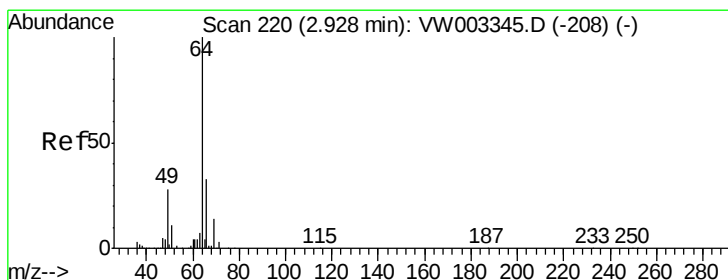
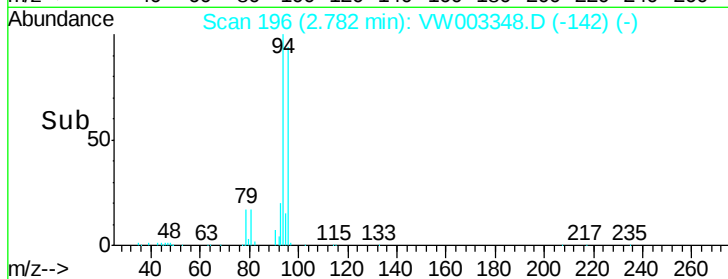
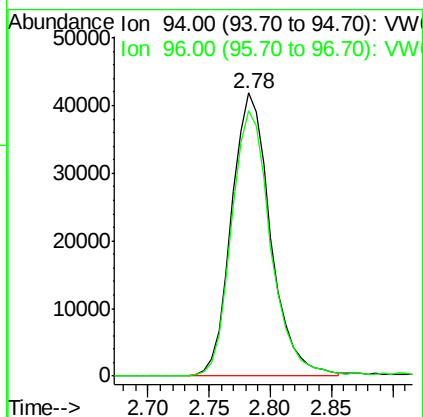
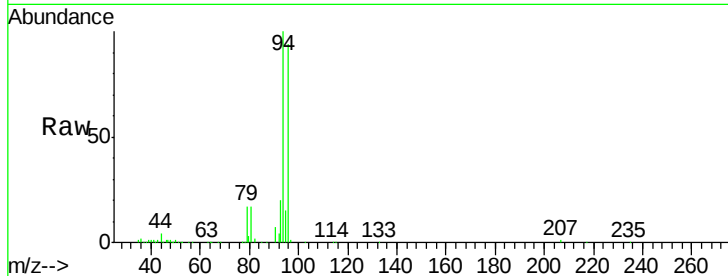
VICV91

Tgt Ion: 94 Resp: 92617

Ion Ratio Lower Upper

94 100

96 94.0 9.5 180.3



#8

Chloroethane

Concen: 23.441 ug/L

RT: 2.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW003348.D

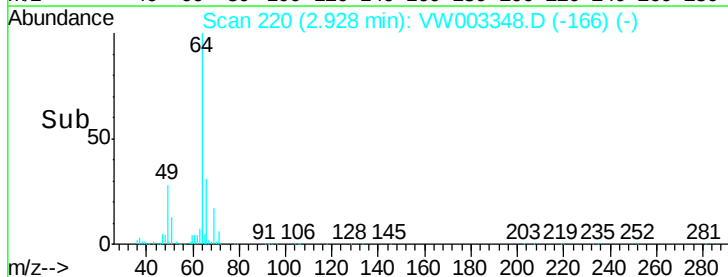
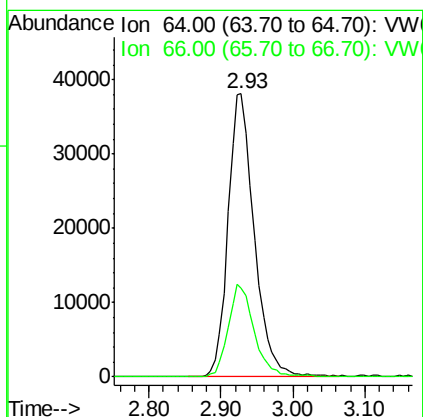
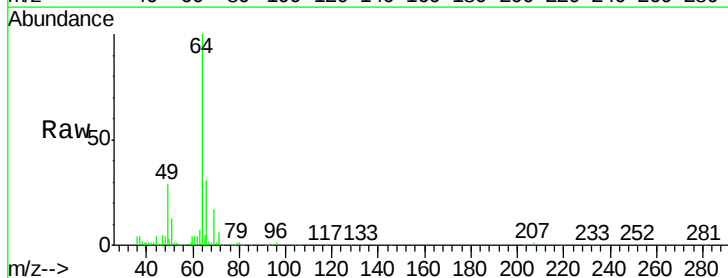
Acq: 20 Jun 2018 12:10

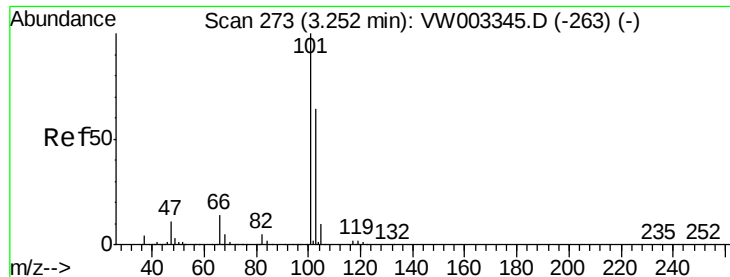
Tgt Ion: 64 Resp: 96692

Ion Ratio Lower Upper

64 100

66 31.5 22.9 42.5



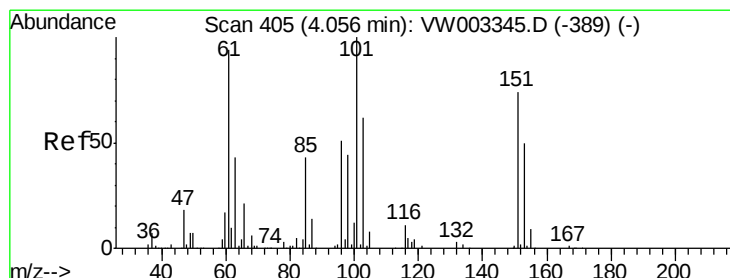
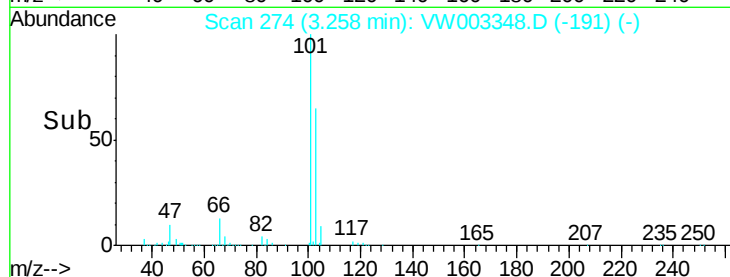
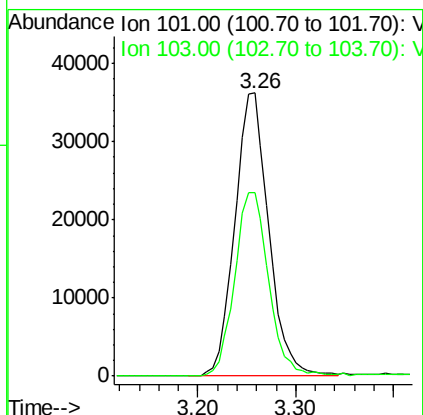
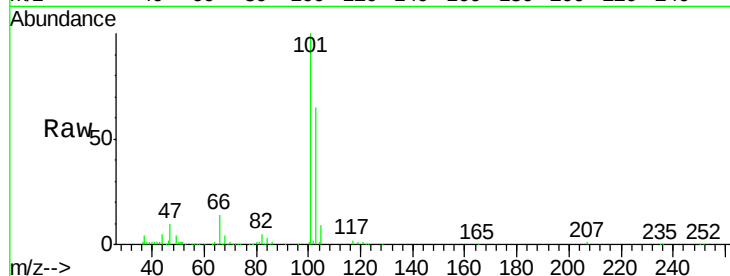


#9

Trichlorofluoromethane
 Concen: 22.425 ug/L
 RT: 3.26 min Scan# 274
 Delta R.T. 0.01 min
 Lab File: VW003348.D
 Acq: 20 Jun 2018 12:10

Instrument :
 MSVOA_W
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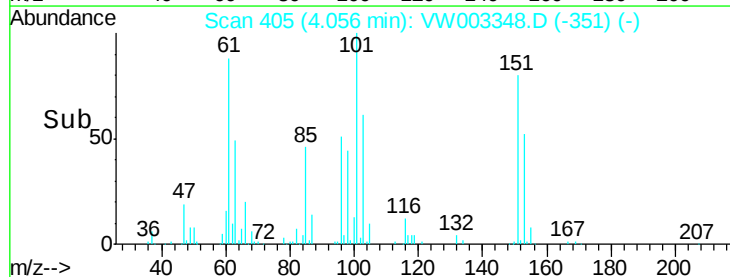
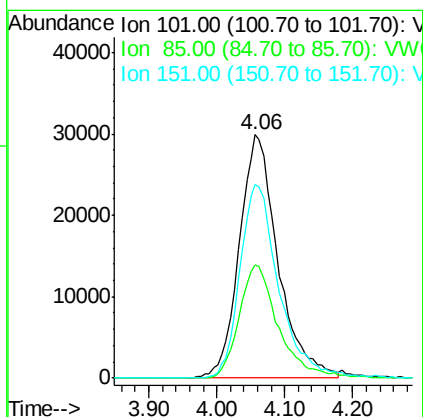
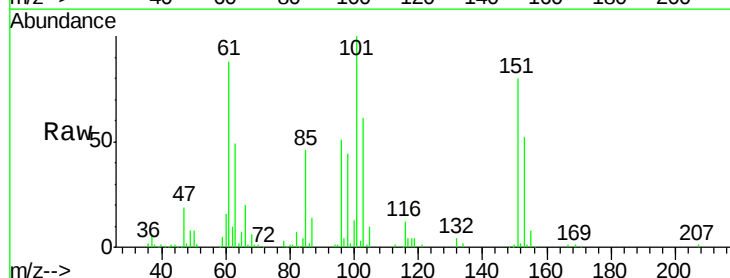
Tgt Ion:101 Resp: 87076
 Ion Ratio Lower Upper
 101 100
 103 64.6 45.1 83.7

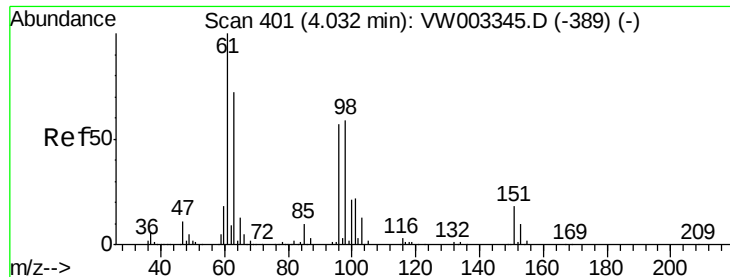


#11

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 22.584 ug/L
 RT: 4.06 min Scan# 405
 Delta R.T. 0.00 min
 Lab File: VW003348.D
 Acq: 20 Jun 2018 12:10

Tgt Ion:101 Resp: 118404
 Ion Ratio Lower Upper
 101 100
 85 45.9 35.4 53.0
 151 79.5 61.4 92.0





#12

1,1-Dichloroethene

Concen: 22.945 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.00 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

Instrument :

MSVOA_W

ClientSampleId :

VICV91

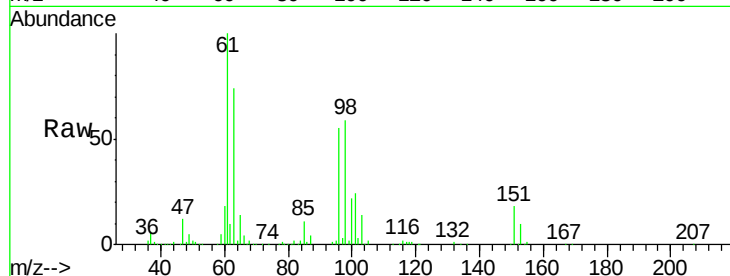
Tgt Ion: 96 Resp: 113703

Ion Ratio Lower Upper

96 100

61 183.4 124.1 230.5

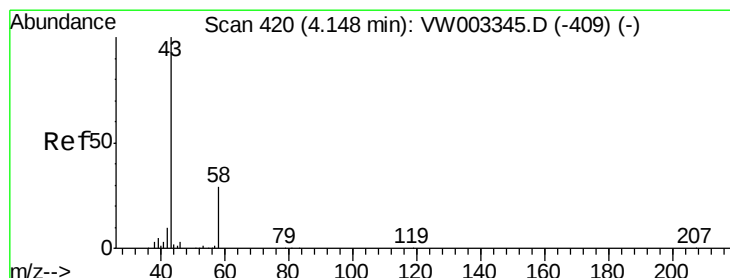
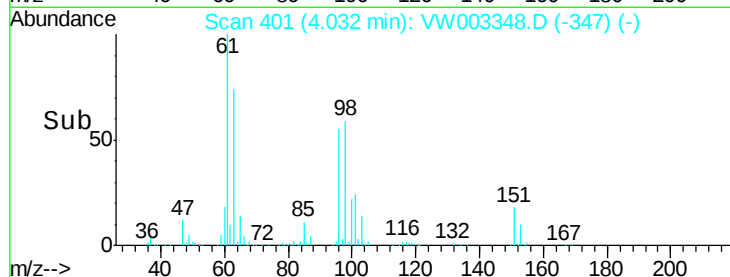
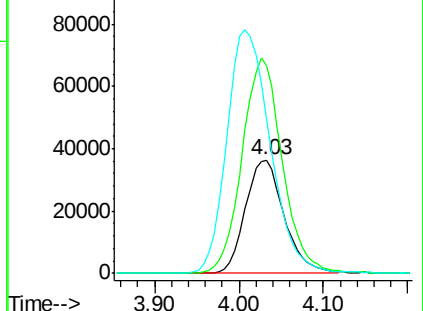
63 135.8 93.1 172.9



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW



#13

Acetone

Concen: 49.834 ug/L

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003348.D

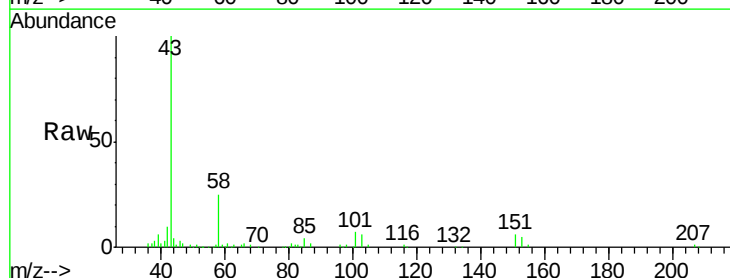
Acq: 20 Jun 2018 12:10

Tgt Ion: 43 Resp: 89994

Ion Ratio Lower Upper

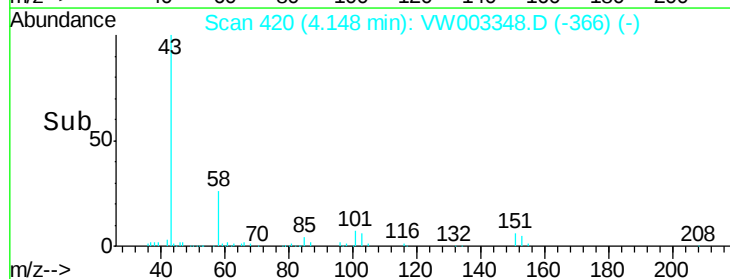
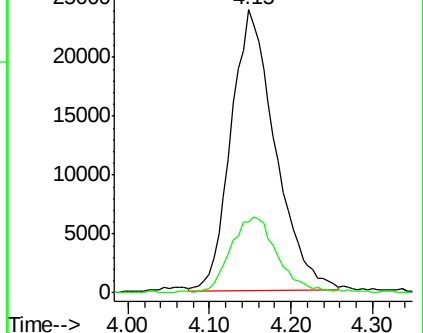
43 100

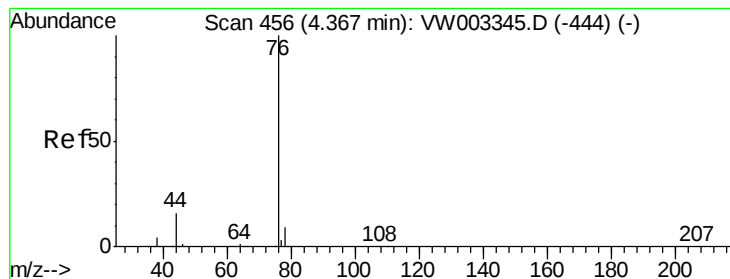
58 28.6 0.0 58.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#14

Carbon disulfide

Concen: 23.632 ug/L

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

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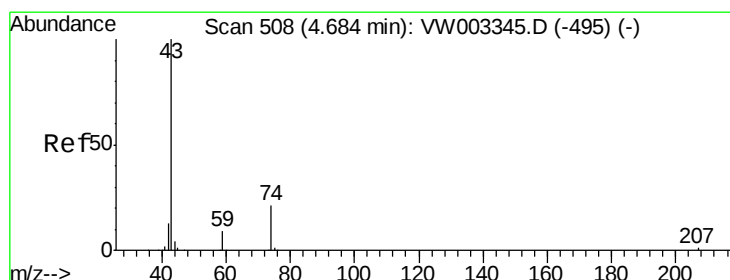
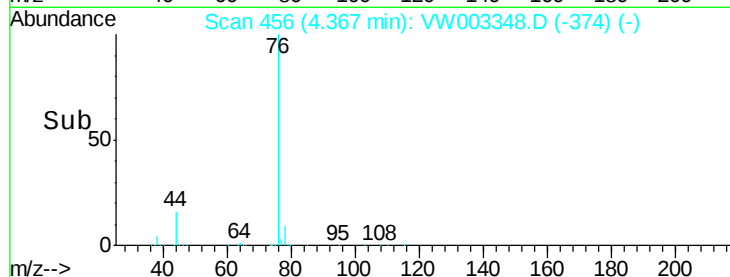
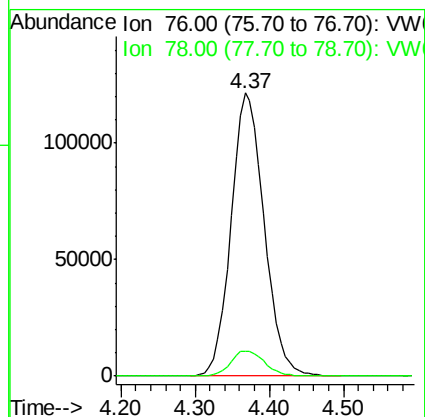
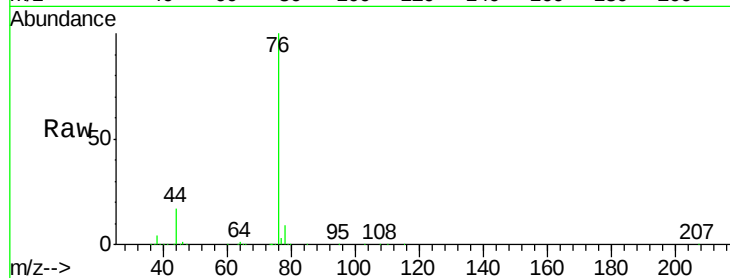
VICV91

Tgt Ion: 76 Resp: 377823

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9



#15

Methyl Acetate

Concen: 23.406 ug/L

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW003348.D

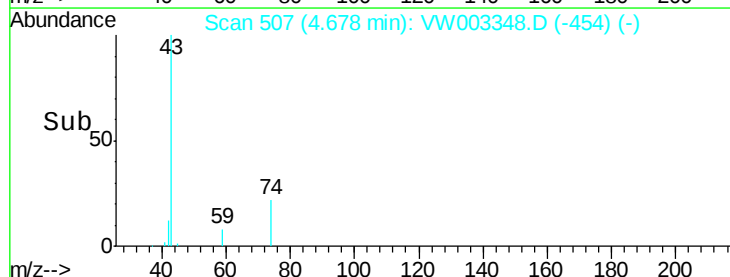
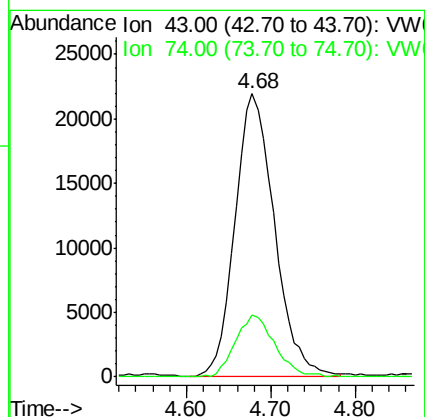
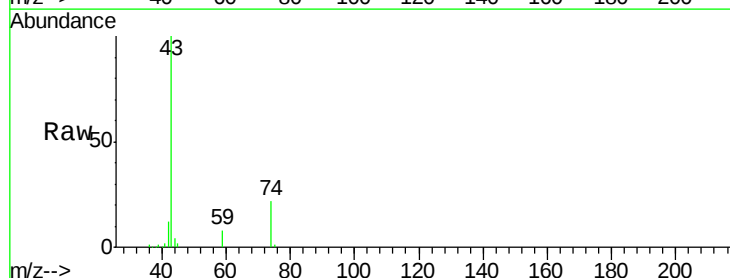
Acq: 20 Jun 2018 12:10

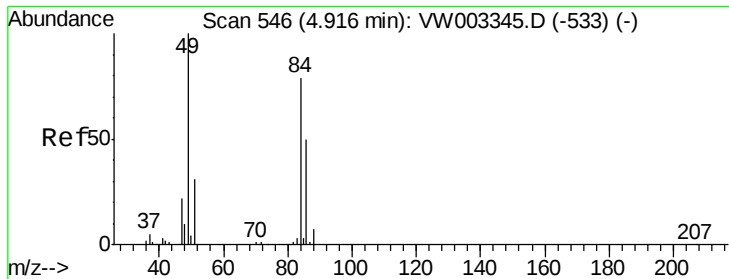
Tgt Ion: 43 Resp: 69281

Ion Ratio Lower Upper

43 100

74 21.9 17.5 26.3

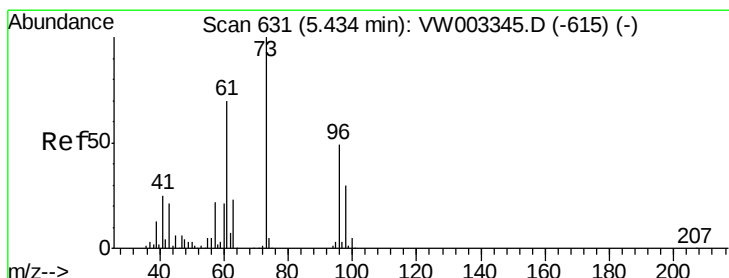
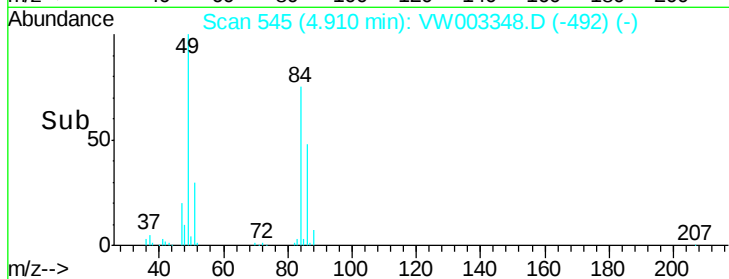
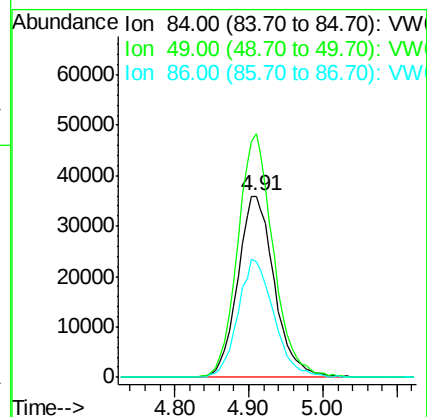
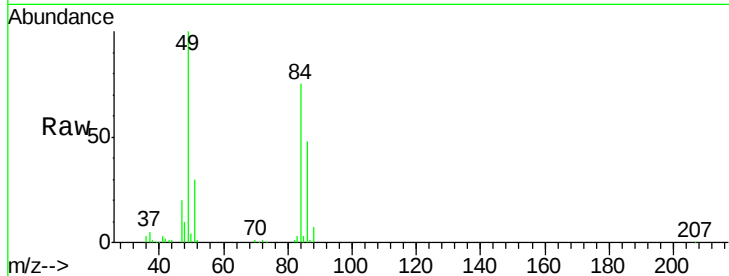




#16
Methylene chloride
Concen: 22.627 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW003348.D
Acq: 20 Jun 2018 12:10

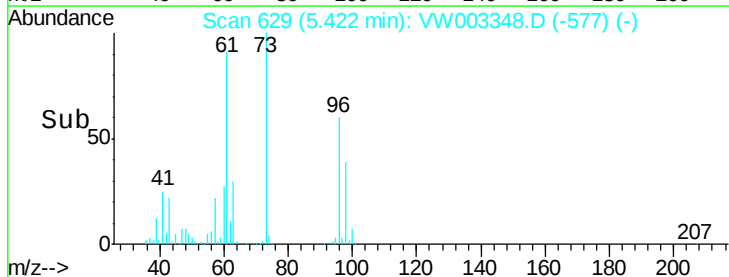
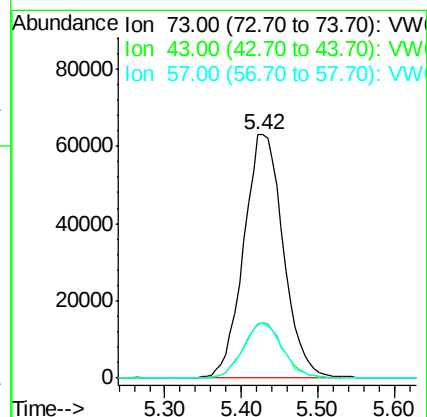
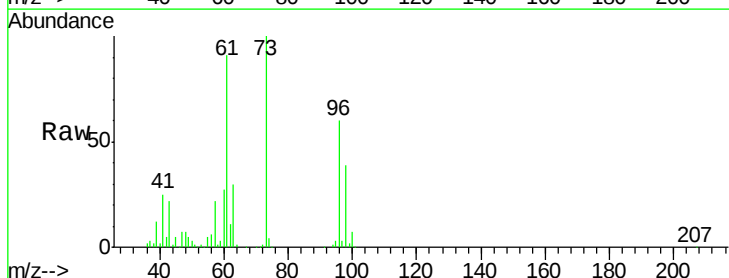
Instrument :
MSVOA_W
ClientSampled :
VICV91

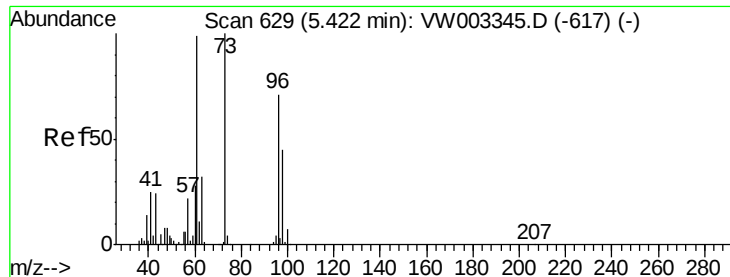
Tgt Ion: 84 Resp: 123603
Ion Ratio Lower Upper
84 100
49 134.2 88.7 164.7
86 64.0 44.2 82.0



#17
Methyl tert-butyl Ether
Concen: 24.852 ug/L
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW003348.D
Acq: 20 Jun 2018 12:10

Tgt Ion: 73 Resp: 227228
Ion Ratio Lower Upper
73 100
43 22.5 18.6 27.8
57 22.4 18.1 27.1





#18

trans-1,2-Dichloroethene

Concen: 23.384 ug/L

RT: 5.42 min Scan# 628

Delta R.T. -0.01 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

Instrument :

MSVOA_W

ClientSampled :

VICV91

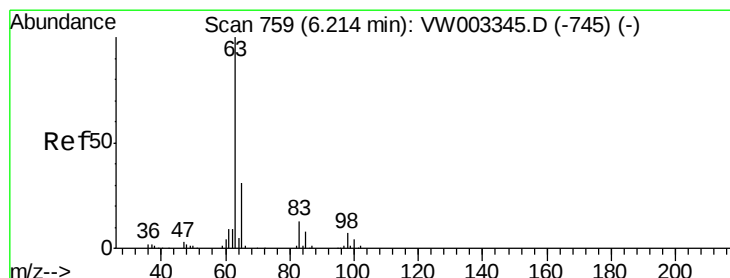
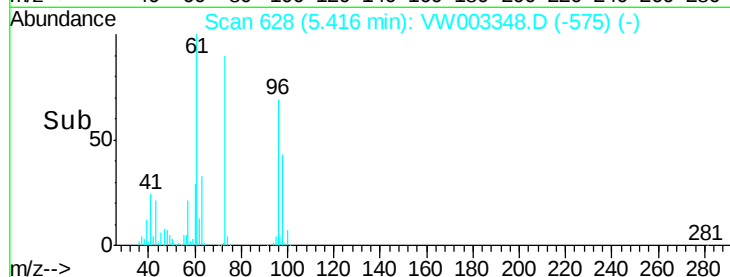
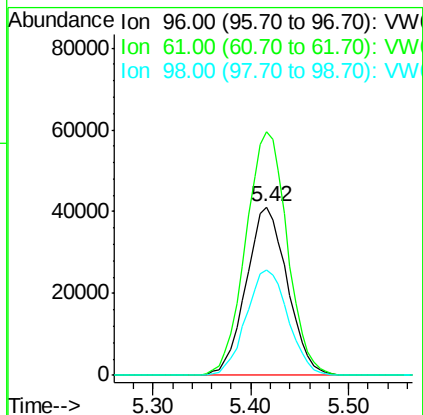
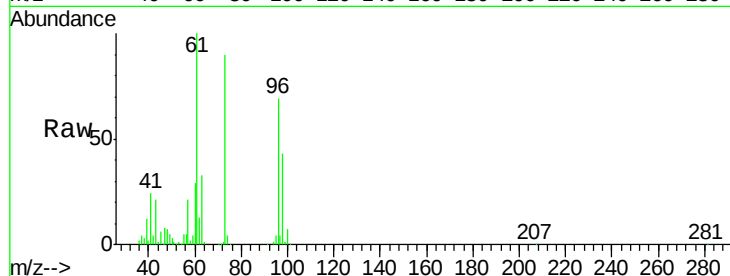
Tgt Ion: 96 Resp: 120742

Ion Ratio Lower Upper

96 100

61 144.7 98.0 182.0

98 62.8 44.2 82.2



#19

1,1-Dichloroethane

Concen: 23.318 ug/L

RT: 6.21 min Scan# 758

Delta R.T. -0.01 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

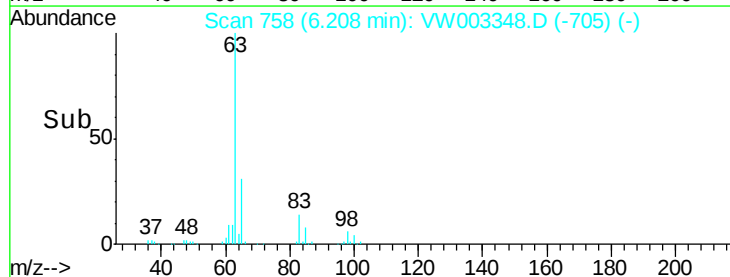
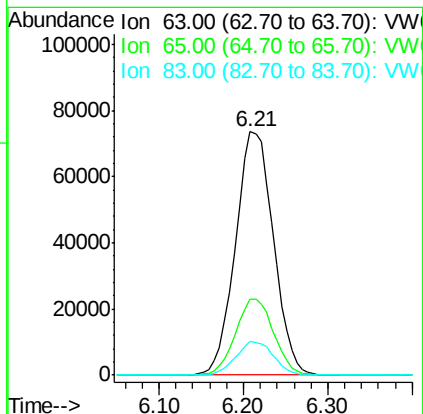
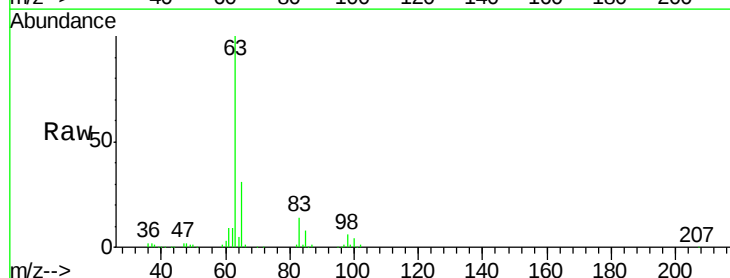
Tgt Ion: 63 Resp: 224686

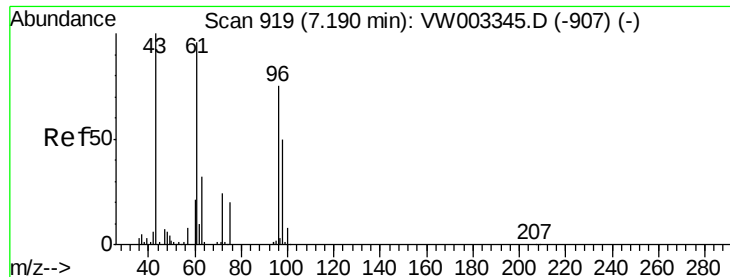
Ion Ratio Lower Upper

63 100

65 31.1 21.8 40.4

83 13.6 9.0 16.6





#21

2-Butanone

Concen: 47.996 ug/L

RT: 7.19 min Scan# 919

Delta R.T. 0.00 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

Instrument :

MSVOA_W

ClientSampled :

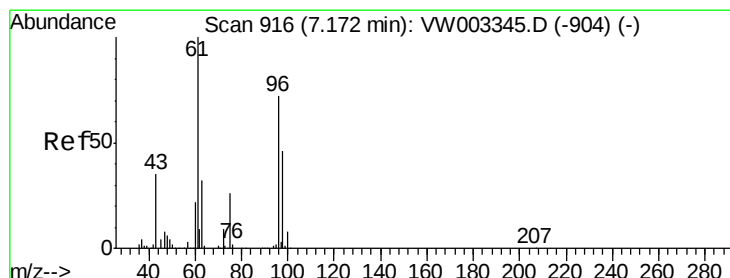
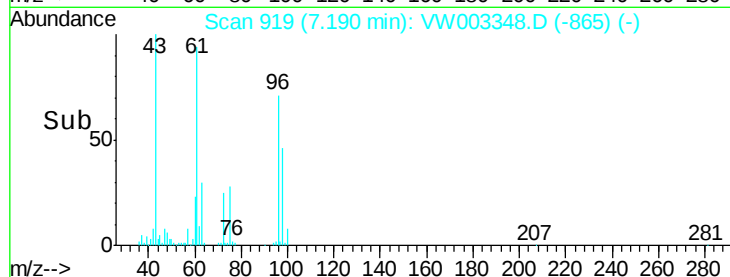
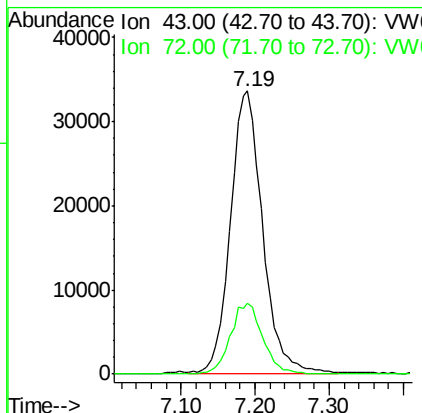
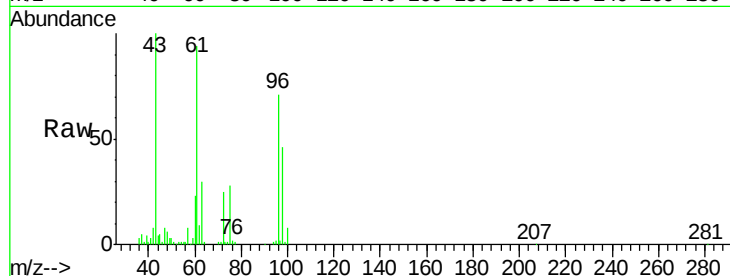
VICV91

Tgt Ion: 43 Resp: 101852

Ion Ratio Lower Upper

43 100

72 25.3 12.5 37.5



#22

cis-1,2-Dichloroethene

Concen: 23.775 ug/L

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

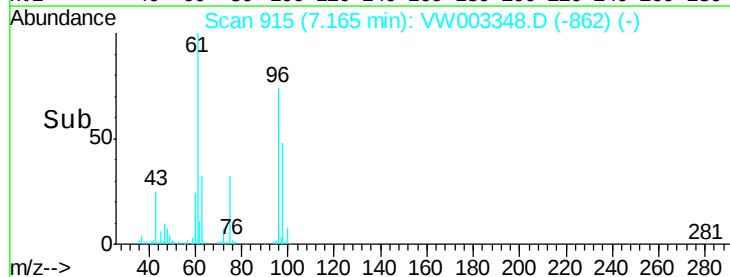
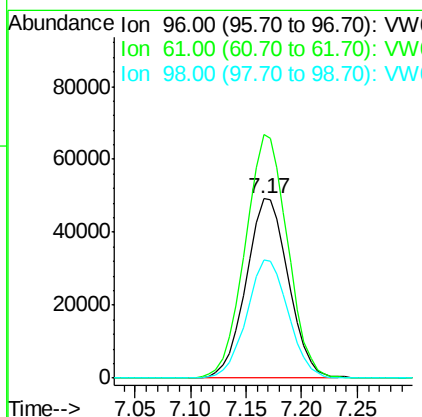
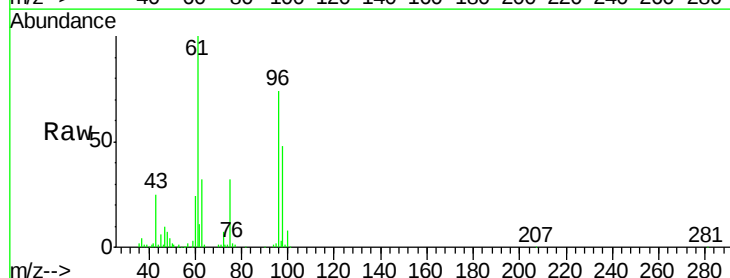
Tgt Ion: 96 Resp: 130462

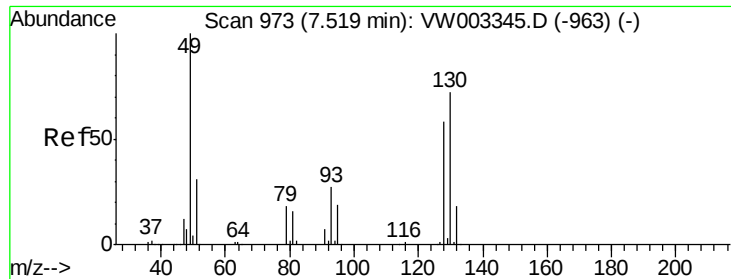
Ion Ratio Lower Upper

96 100

61 136.0 97.7 181.5

98 65.9 45.0 83.6

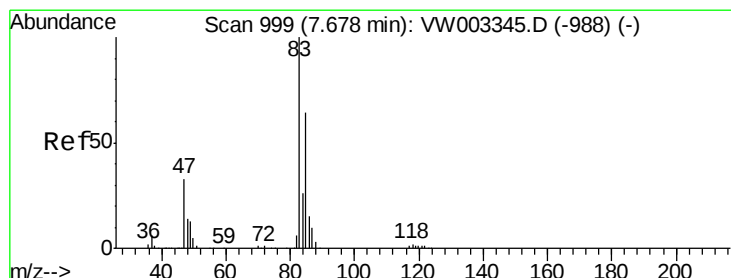
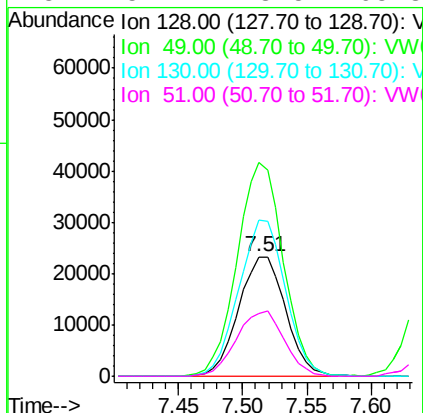
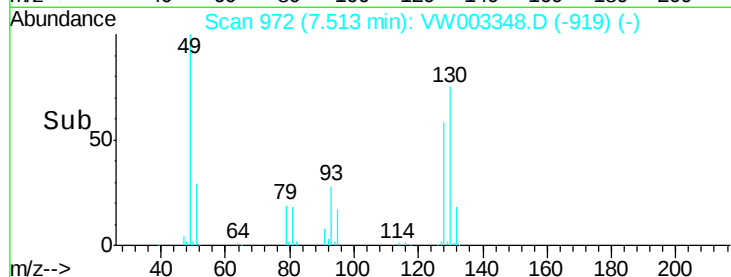
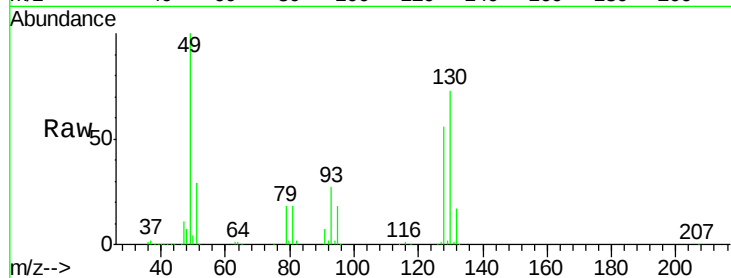




#23
Bromochloromethane
Concen: 23.276 ug/L
RT: 7.51 min Scan# 972
Delta R.T. -0.01 min
Lab File: VW003348.D
Acq: 20 Jun 2018 12:10

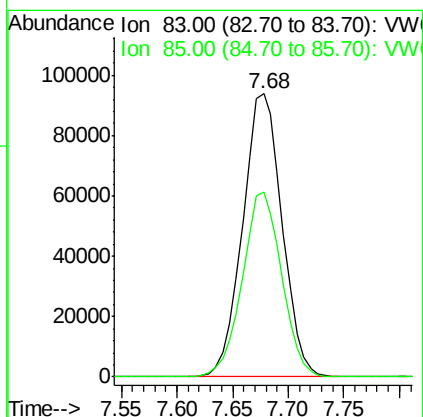
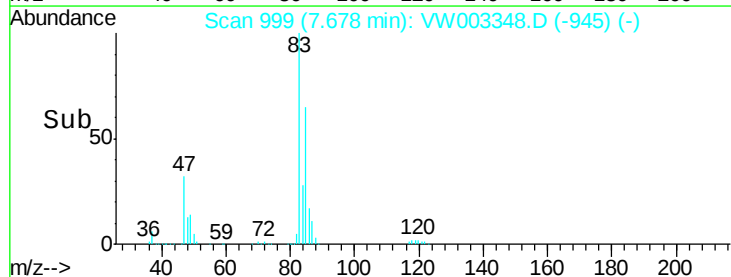
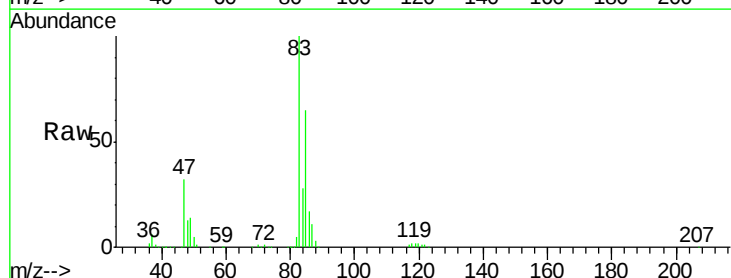
Instrument :
MSVOA_W
ClientSampleId :
VICV91

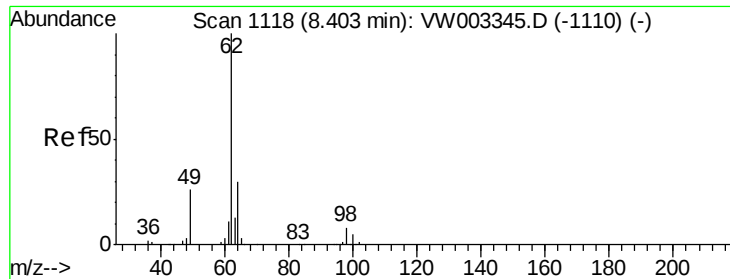
Tgt Ion:128 Resp: 59087
Ion Ratio Lower Upper
128 100
49 178.5 122.0 226.6
130 130.9 88.1 163.5
51 52.1 43.5 65.3



#25
Chloroform
Concen: 23.269 ug/L
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003348.D
Acq: 20 Jun 2018 12:10

Tgt Ion: 83 Resp: 230515
Ion Ratio Lower Upper
83 100
85 65.3 46.1 85.5

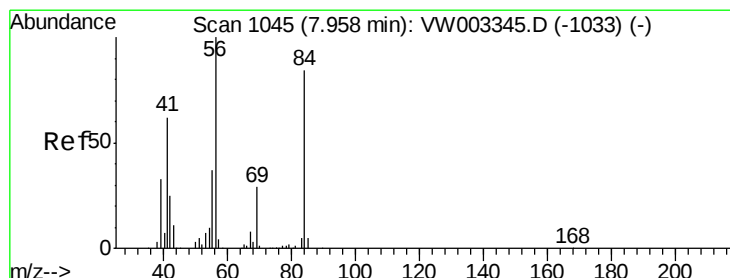
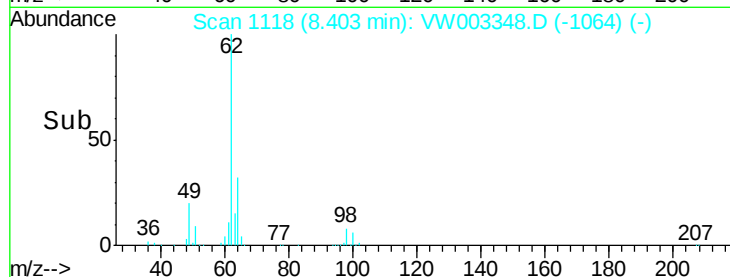
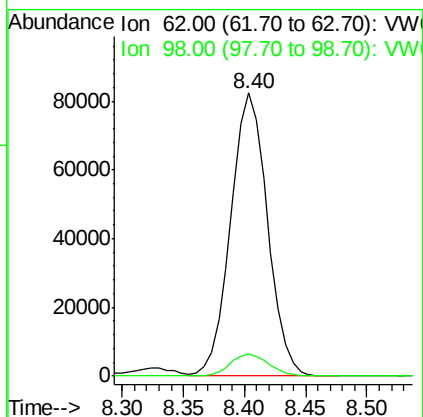
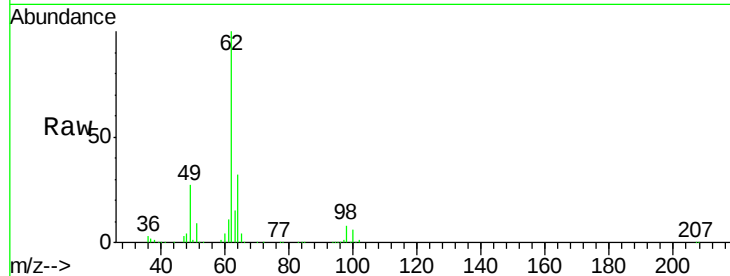




#27
 1,2-Dichloroethane
 Concen: 24.004 ug/L
 RT: 8.40 min Scan# 1118
 Delta R.T. 0.00 min
 Lab File: VW003348.D
 Acq: 20 Jun 2018 12:10

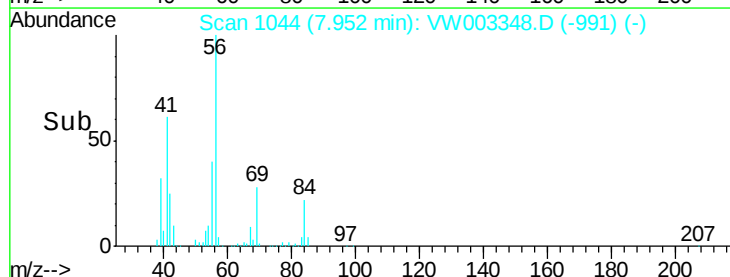
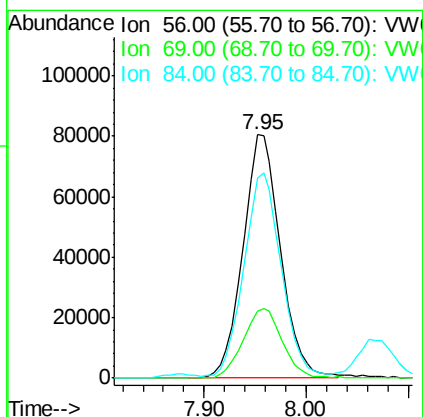
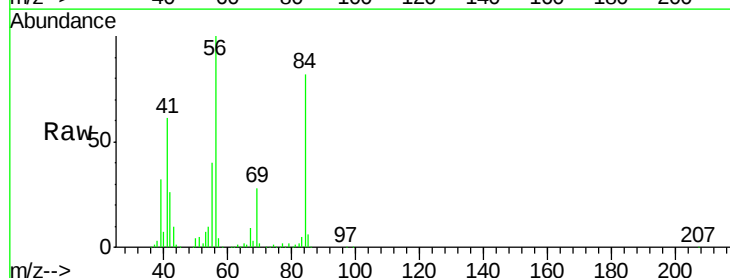
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV91

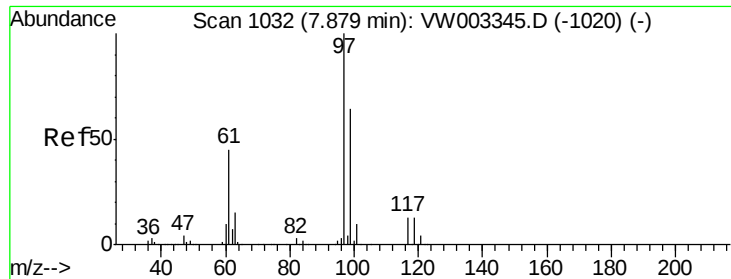
Tgt Ion: 62 Resp: 172204
 Ion Ratio Lower Upper
 62 100
 98 8.1 6.5 9.7



#30
 Cyclohexane
 Concen: 23.786 ug/L
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.01 min
 Lab File: VW003348.D
 Acq: 20 Jun 2018 12:10

Tgt Ion: 56 Resp: 206367
 Ion Ratio Lower Upper
 56 100
 69 29.7 23.4 35.2
 84 84.9 67.4 101.0





#31

1,1,1-Trichloroethane

Concen: 23.051 ug/L

RT: 7.87 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

Instrument :

MSVOA_W

ClientSampleId :

VICV91

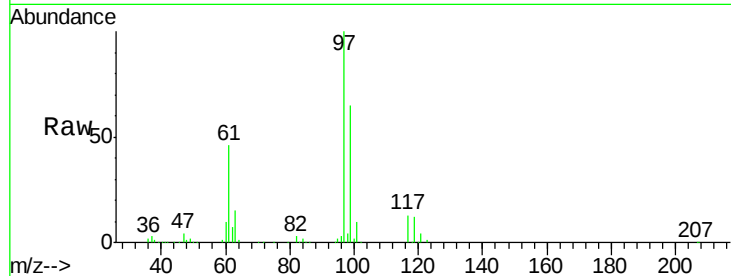
Tgt Ion: 97 Resp: 190311

Ion Ratio Lower Upper

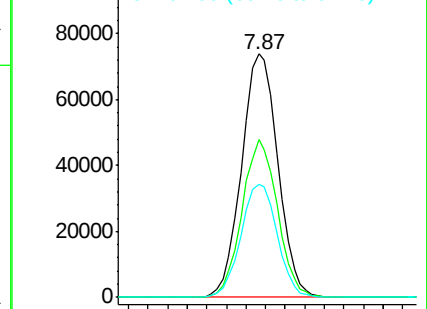
97 100

99 63.1 50.9 76.3

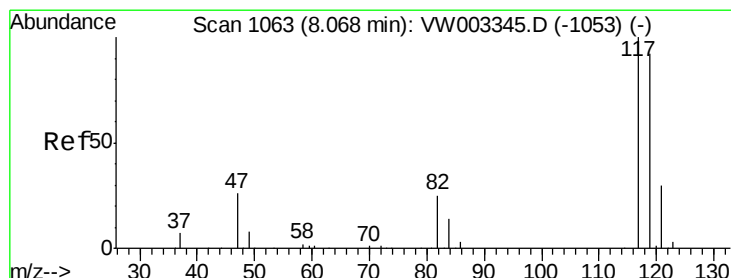
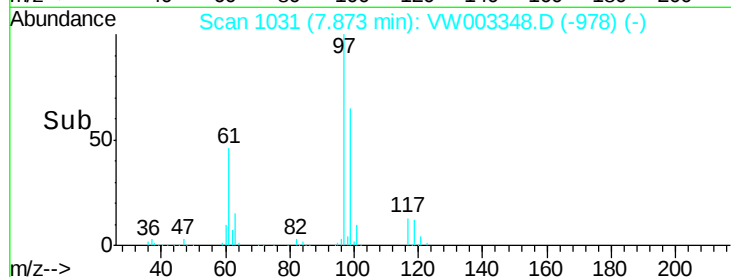
61 46.4 37.7 56.5



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW



Time-->



#32

Carbon tetrachloride

Concen: 23.015 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW003348.D

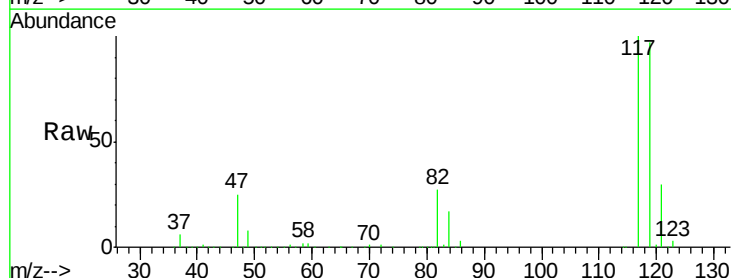
Acq: 20 Jun 2018 12:10

Tgt Ion: 117 Resp: 183574

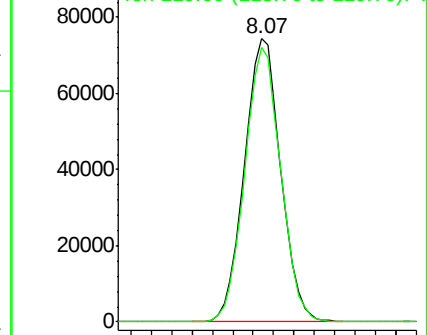
Ion Ratio Lower Upper

117 100

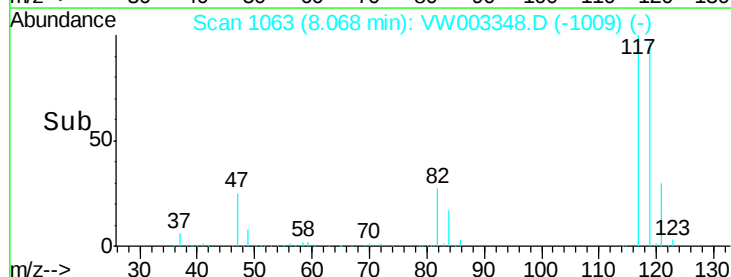
119 96.3 76.6 114.8

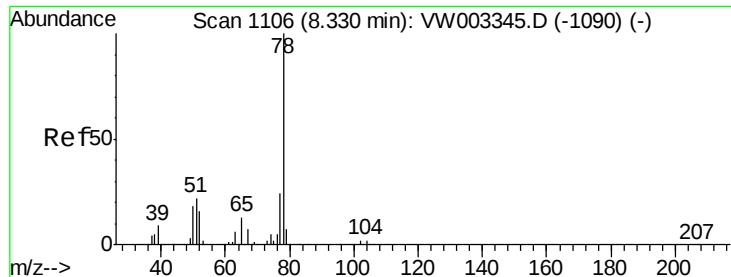


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



Time-->





#34

Benzene

Concen: 23.485 ug/L

RT: 8.32 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

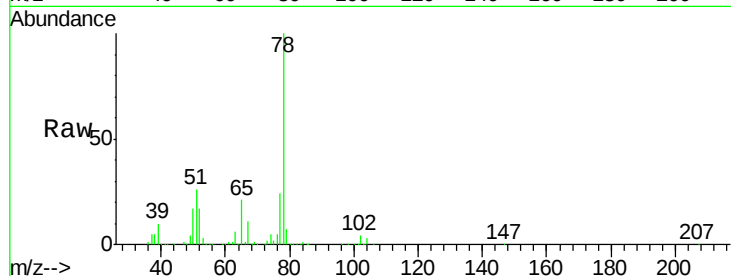
Instrument :

MSVOA_W

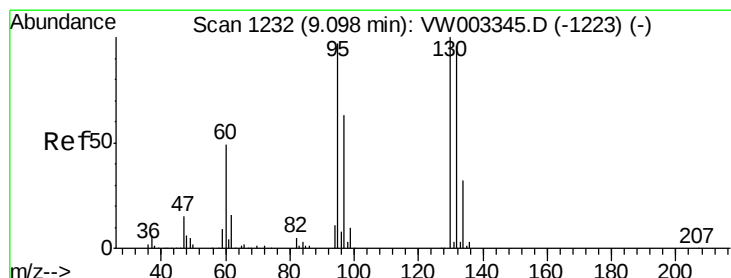
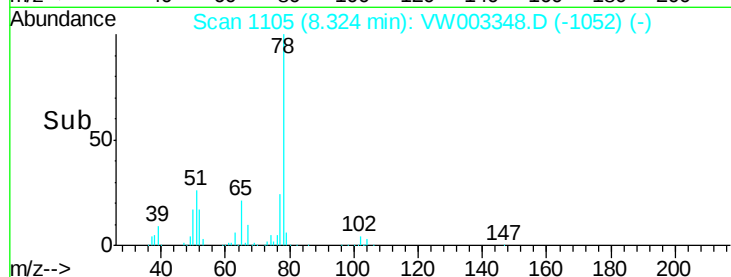
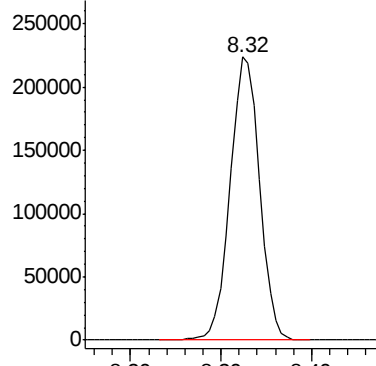
ClientSampleId :

VICV91

Tgt Ion: 78 Resp: 503255



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 22.834 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

Tgt Ion: 95 Resp: 131883

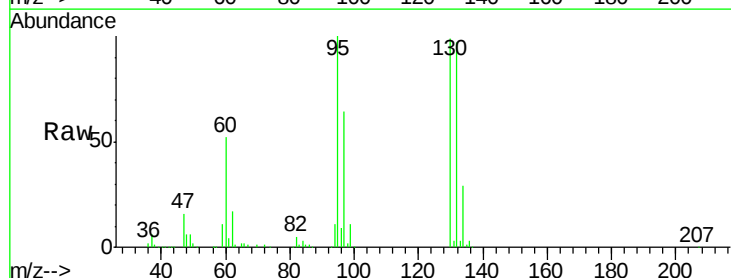
Ion	Ratio	Lower	Upper
95	100		
97	64.9	45.6	84.6
132	96.9	67.8	125.8
130	99.4	70.6	131.0

95 100

97 64.9 45.6 84.6

132 96.9 67.8 125.8

130 99.4 70.6 131.0

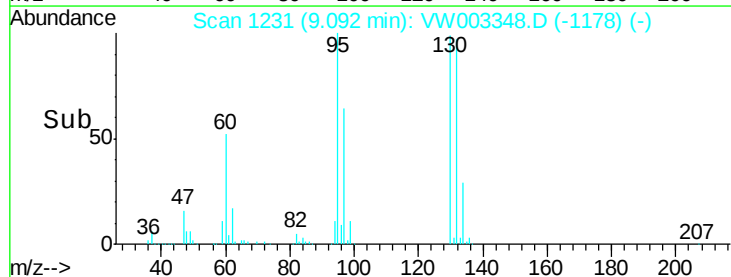
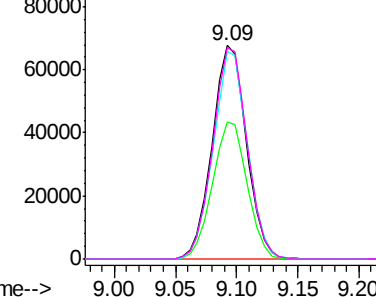


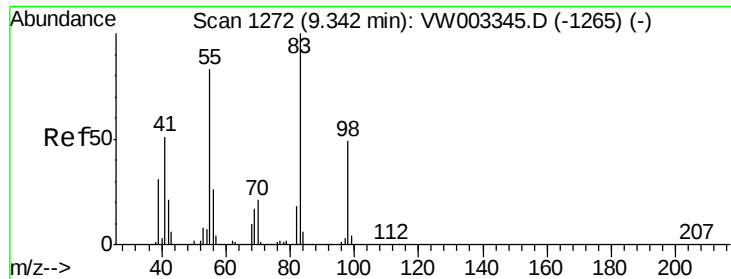
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

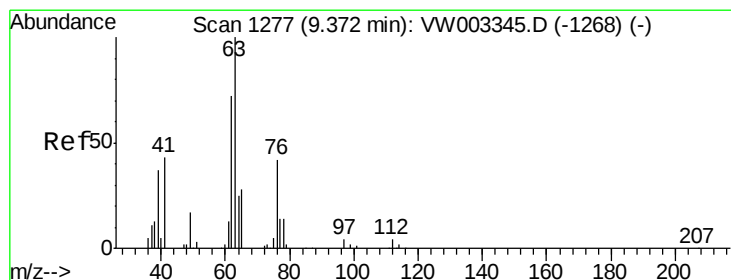
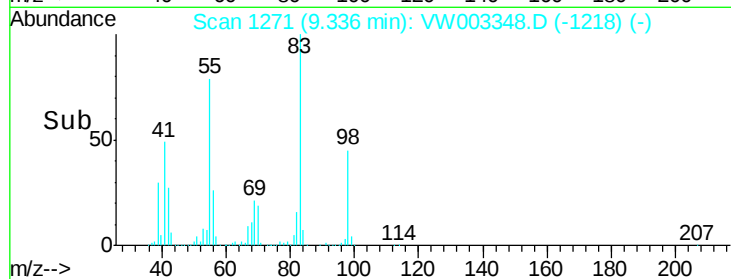
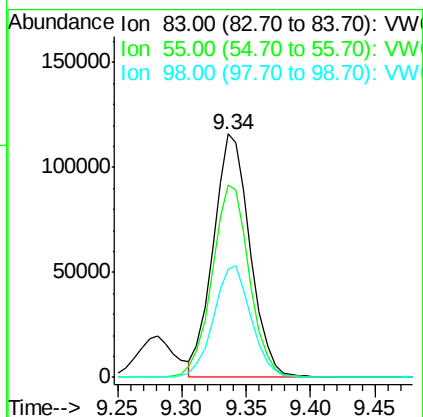
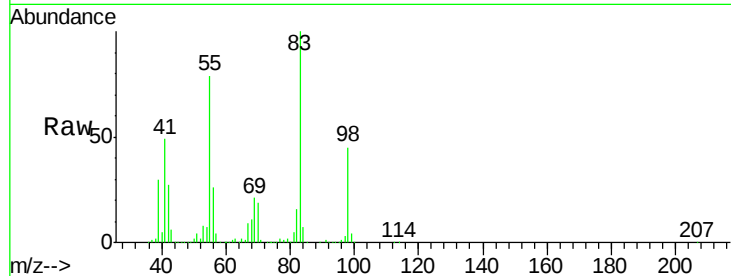




#36
Methylcyclohexane
Concen: 23.450 ug/L
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003348.D
Acq: 20 Jun 2018 12:10

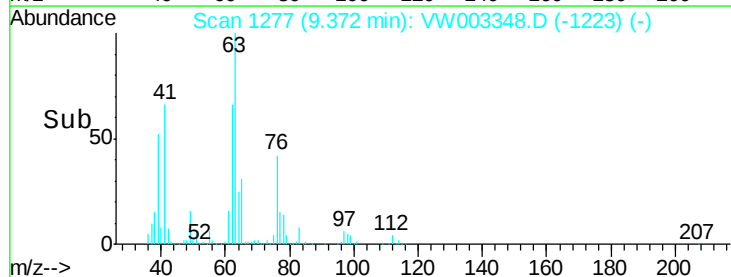
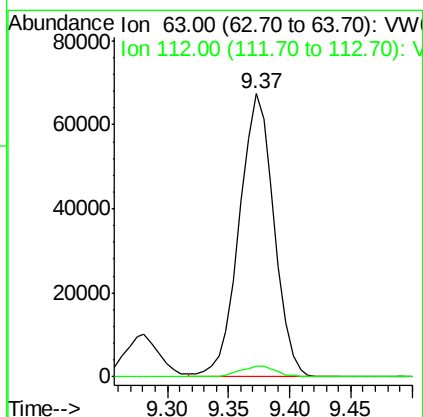
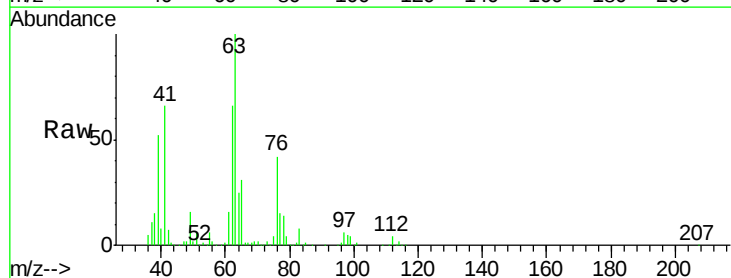
Instrument :
MSVOA_W
ClientSampled :
VICV91

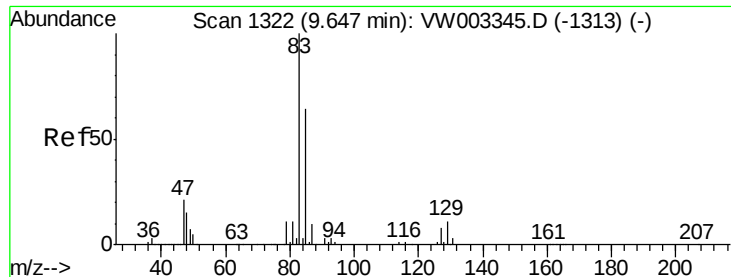
Tgt Ion: 83 Resp: 231218
Ion Ratio Lower Upper
83 100
55 80.1 63.9 95.9
98 46.8 37.1 55.7



#40
1,2-Dichloropropane
Concen: 23.572 ug/L
RT: 9.37 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VW003348.D
Acq: 20 Jun 2018 12:10

Tgt Ion: 63 Resp: 132927
Ion Ratio Lower Upper
63 100
112 3.9 3.4 5.0

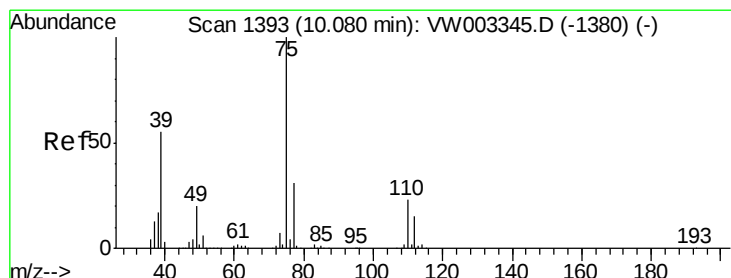
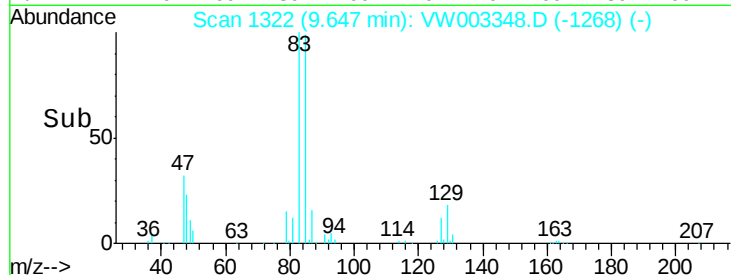
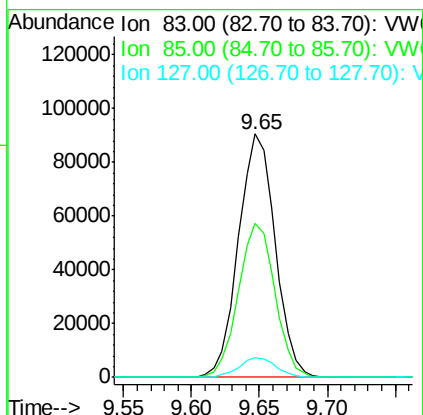
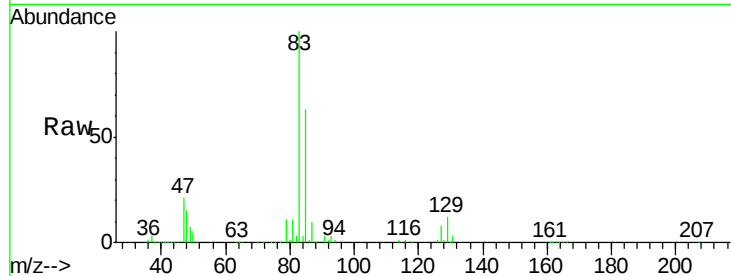




#41
 Bromodichloromethane
 Concen: 23.660 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW003348.D
 Acq: 20 Jun 2018 12:10

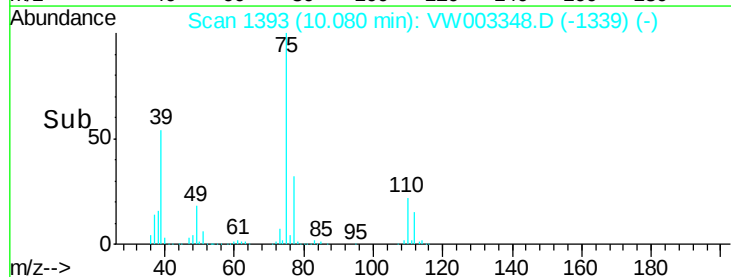
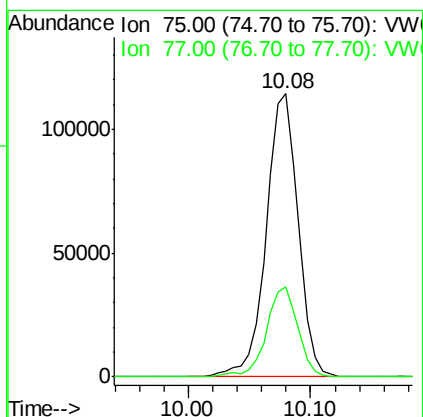
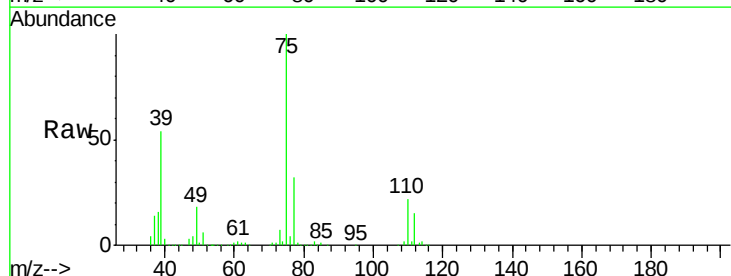
Instrument :
 MSVOA_W
 ClientSampled :
 VICV91

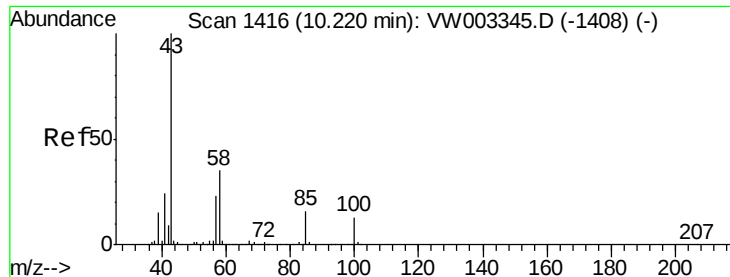
Tgt Ion: 83 Resp: 171494
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.7 83.1
 127 7.9 6.2 9.2



#42
 cis-1,3-Dichloropropene
 Concen: 24.668 ug/L
 RT: 10.08 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VW003348.D
 Acq: 20 Jun 2018 12:10

Tgt Ion: 75 Resp: 207611
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.8 40.6





#43

4-Methyl-2-pentanone

Concen: 47.644 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

Instrument :

MSVOA_W

ClientSampled :

VICV91

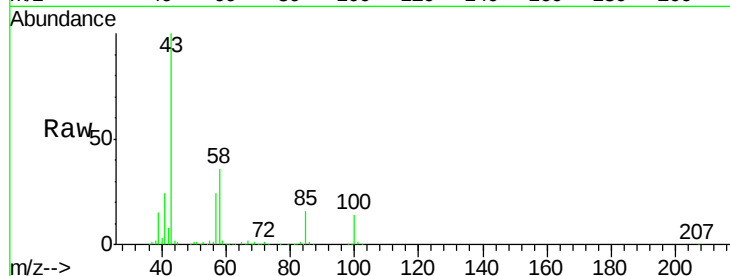
Tgt Ion: 43 Resp: 191947

Ion Ratio Lower Upper

43 100

58 36.4 28.7 43.1

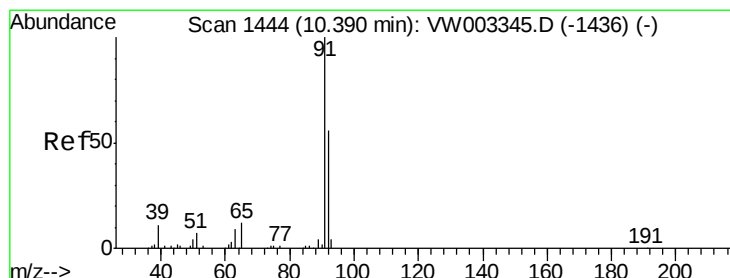
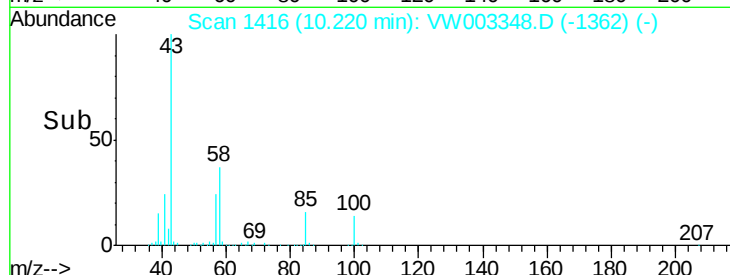
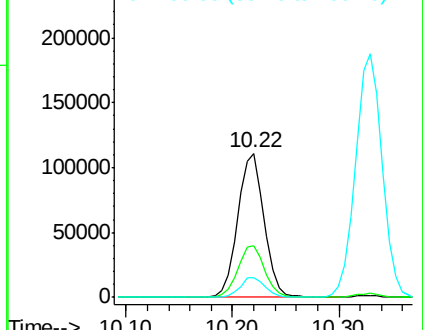
100 13.5 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW



#44

Toluene

Concen: 23.717 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003348.D

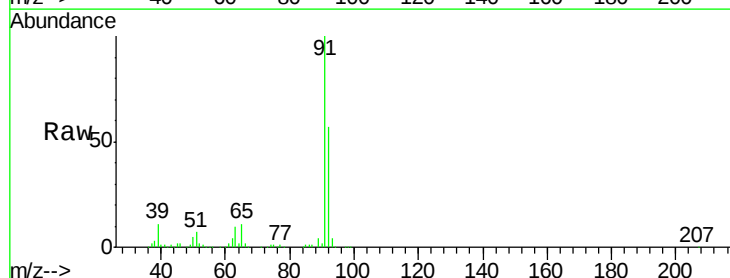
Acq: 20 Jun 2018 12:10

Tgt Ion: 91 Resp: 551185

Ion Ratio Lower Upper

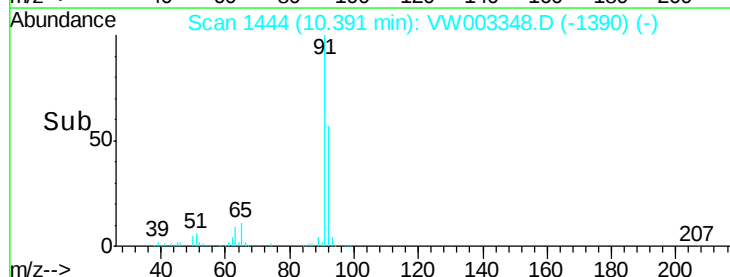
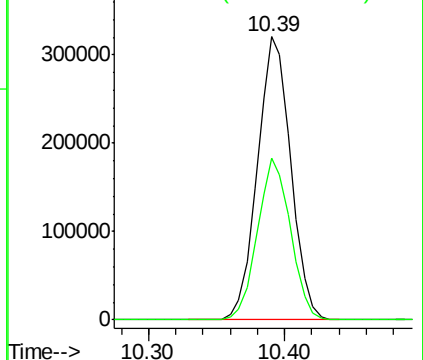
91 100

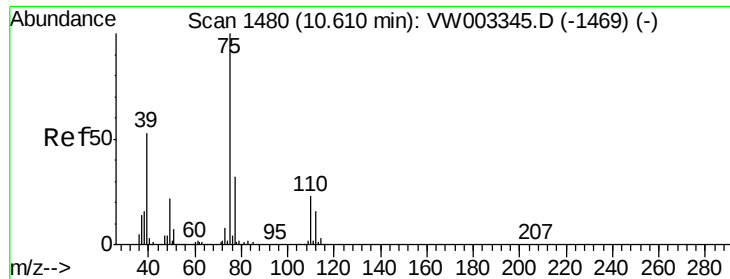
92 57.2 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#45

trans-1,3-Dichloropropene

Concen: 24.400 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

Instrument :

MSVOA_W

ClientSampleId :

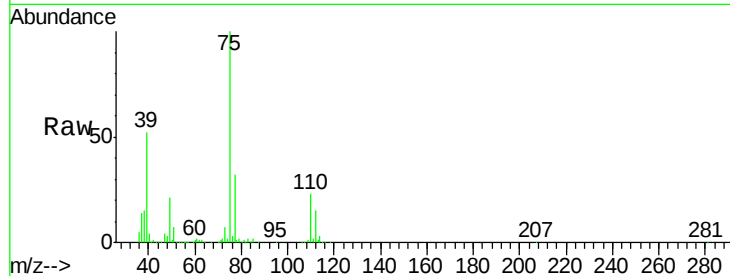
VICV91

Tgt Ion: 75 Resp: 185819

Ion Ratio Lower Upper

75 100

77 31.9 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

120000

100000

80000

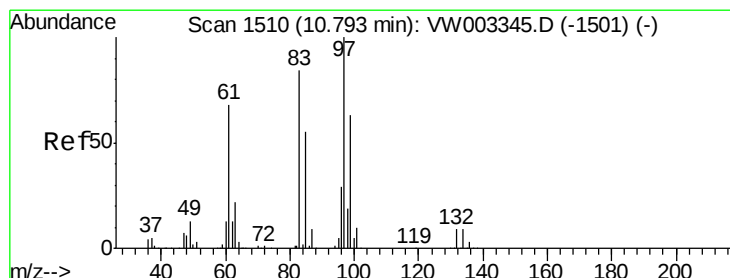
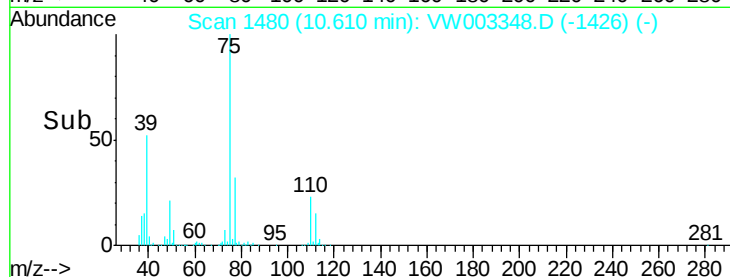
60000

40000

20000

0

Time-->



#46

1,1,2-Trichloroethane

Concen: 23.259 ug/L

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

Tgt Ion: 97 Resp: 97919

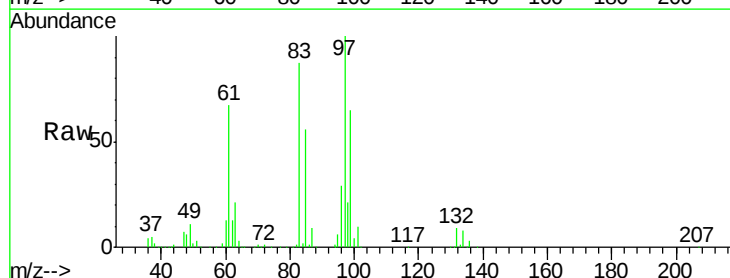
Ion Ratio Lower Upper

97 100

83 87.4 58.8 109.2

85 56.0 38.8 72.0

99 64.7 43.8 81.3



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

80000

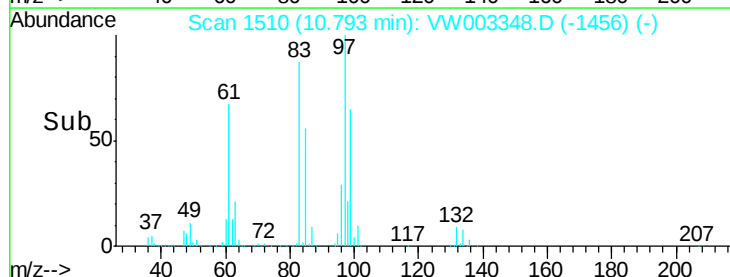
60000

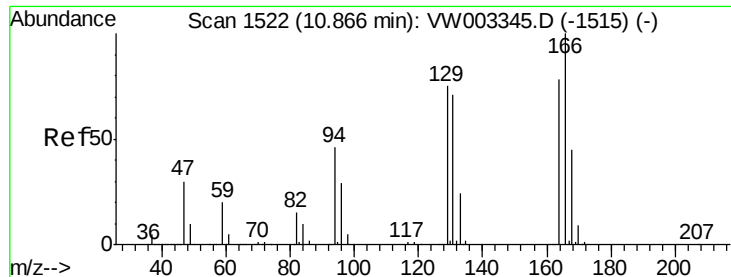
40000

20000

0

Time-->





#47

Tetrachloroethene

Concen: 22.524 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. 0.00 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

Instrument :

MSVOA_W

ClientSampled :

VICV91

Tgt Ion:164 Resp: 109322

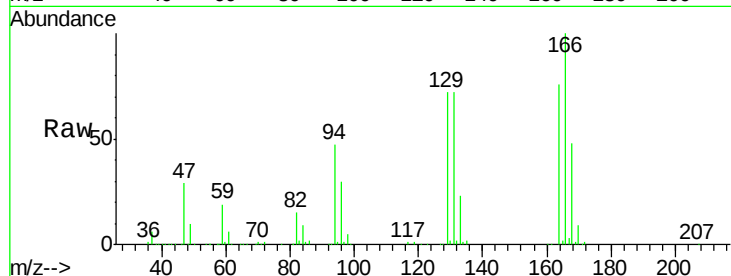
Ion Ratio Lower Upper

164 100

129 95.1 67.3 124.9

131 95.0 63.8 118.4

166 131.8 90.2 167.4

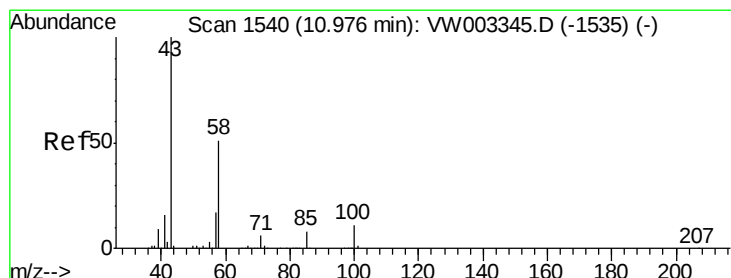
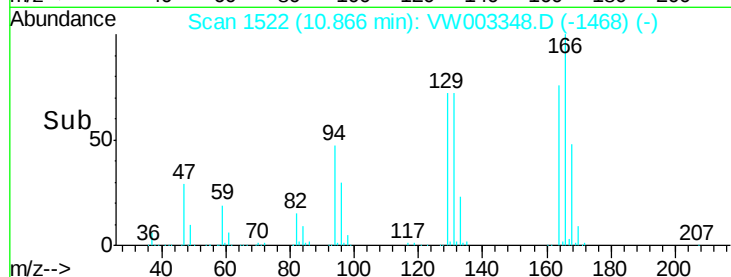
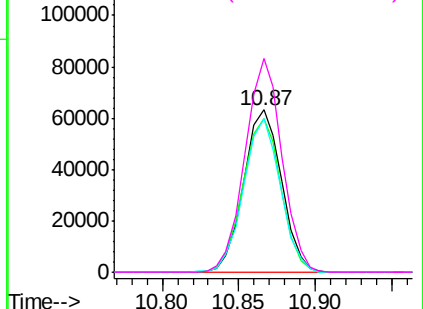


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 50.759 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

Tgt Ion: 43 Resp: 152389

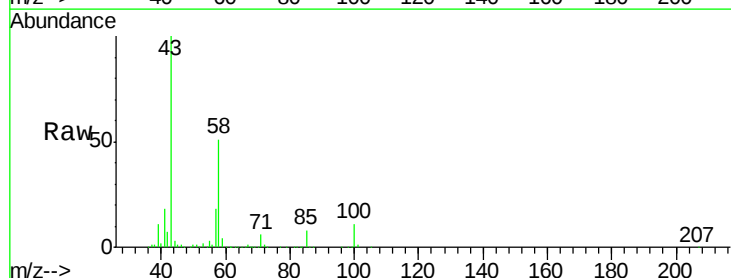
Ion Ratio Lower Upper

43 100

58 50.6 40.4 60.6

57 17.9 14.6 21.8

100 10.6 8.6 12.8

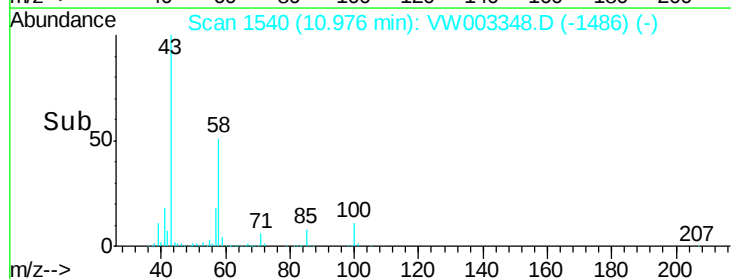
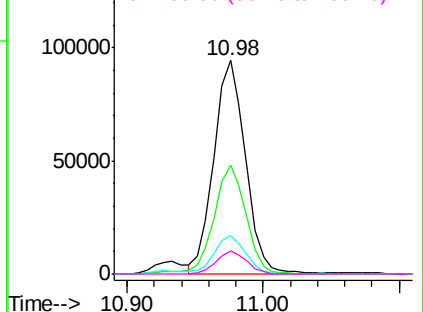


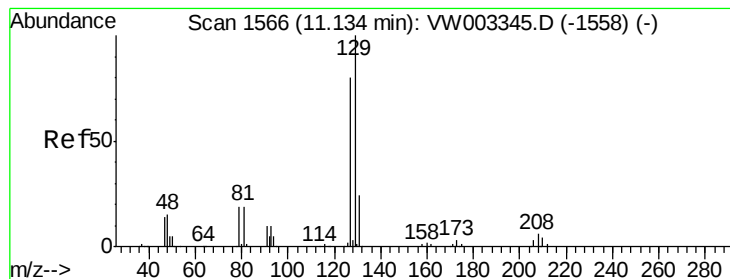
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV





#50

Dibromochloromethane

Concen: 23.717 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

Instrument :

MSVOA_W

ClientSampleId :

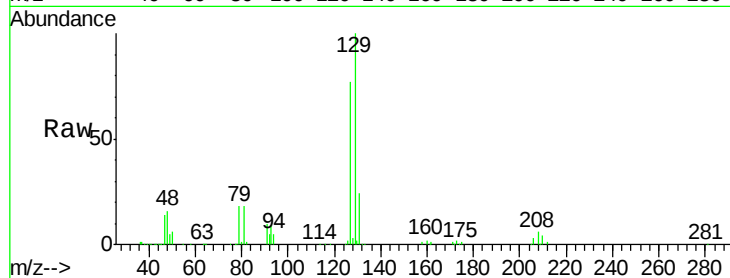
VICV91

Tgt Ion:129 Resp: 121550

Ion Ratio Lower Upper

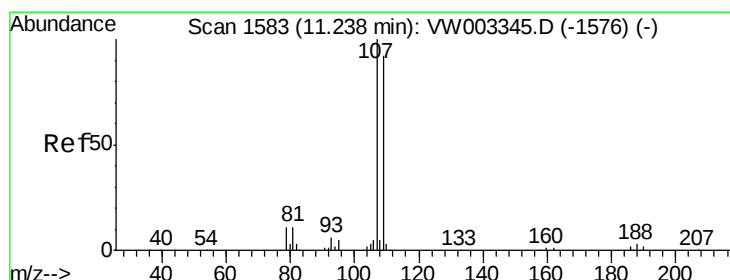
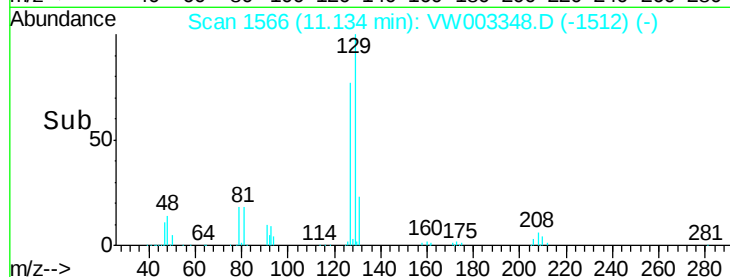
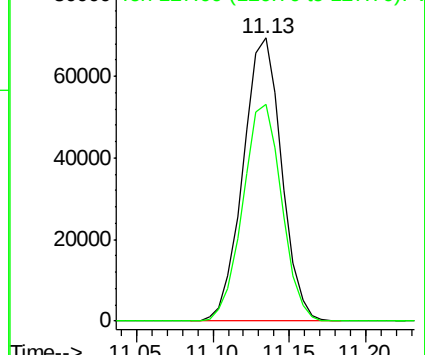
129 100

127 76.6 56.0 104.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 23.297 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

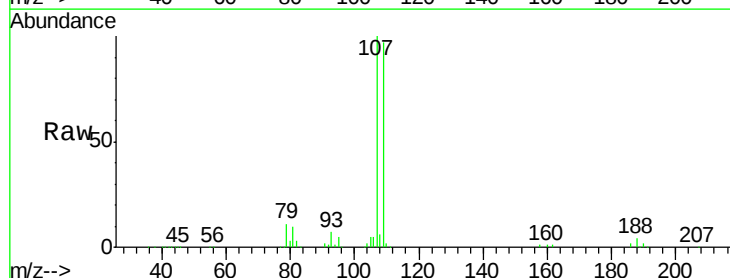
Tgt Ion:107 Resp: 97463

Ion Ratio Lower Upper

107 100

109 96.8 64.5 119.9

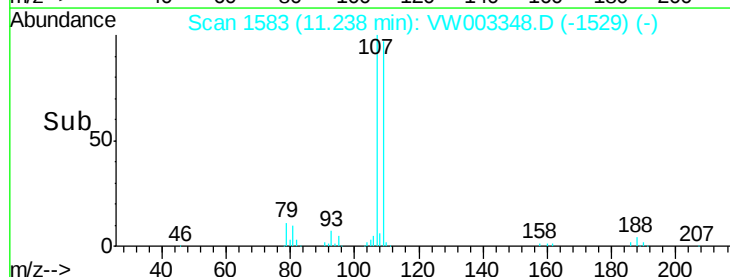
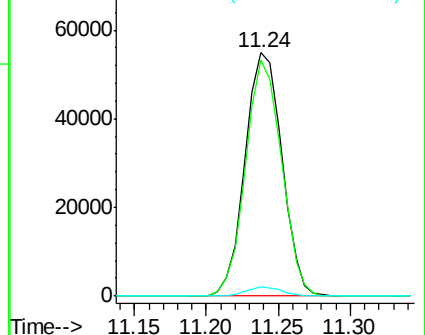
188 3.6 2.8 4.2

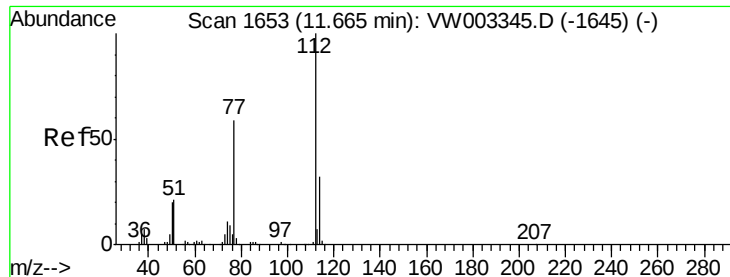


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 23.236 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

Instrument :

MSVOA_W

ClientSampleId :

VICV91

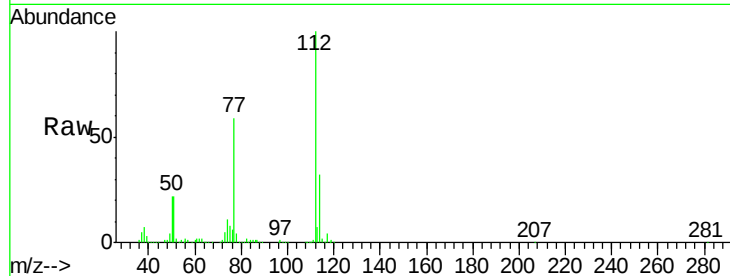
Tgt Ion: 112 Resp: 350677

Ion Ratio Lower Upper

112 100

77 58.5 47.3 70.9

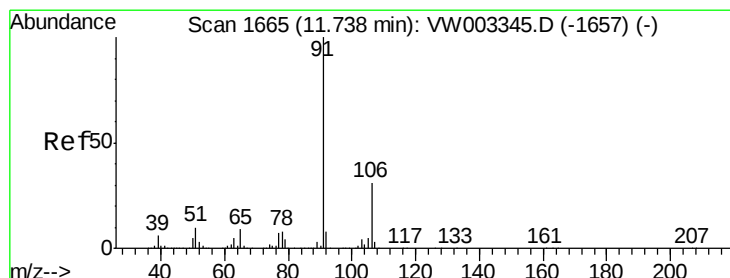
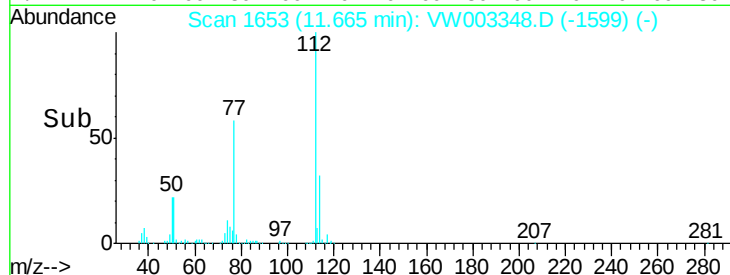
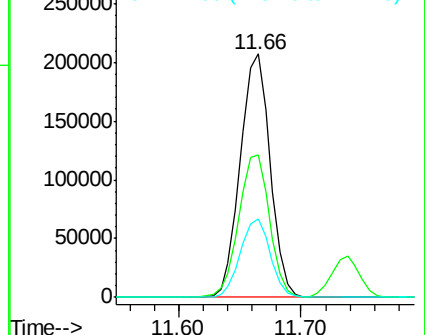
114 32.0 22.2 41.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 23.842 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003348.D

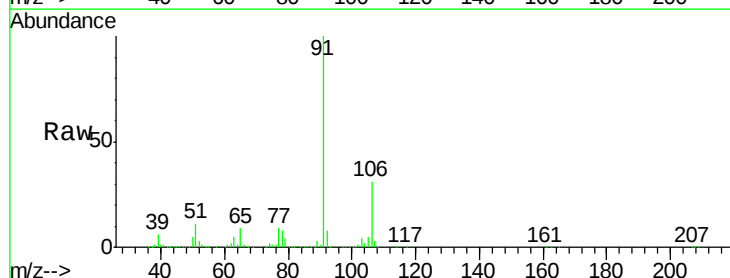
Acq: 20 Jun 2018 12:10

Tgt Ion: 91 Resp: 621513

Ion Ratio Lower Upper

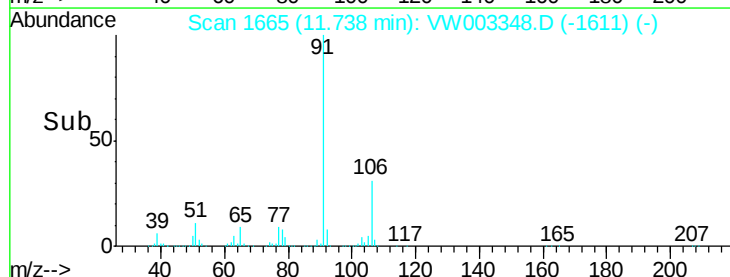
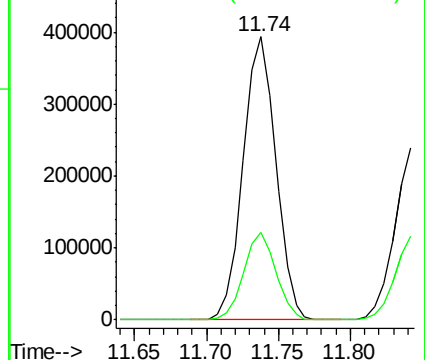
91 100

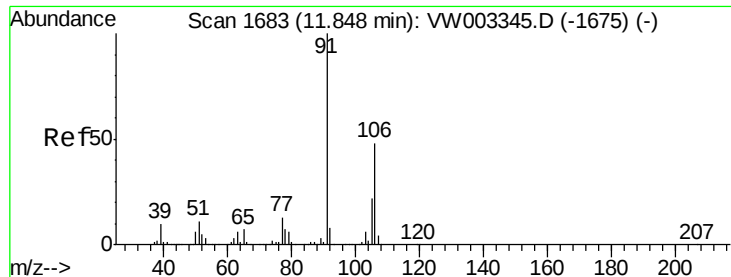
106 31.1 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 23.977 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

Instrument :

MSVOA_W

ClientSampled :

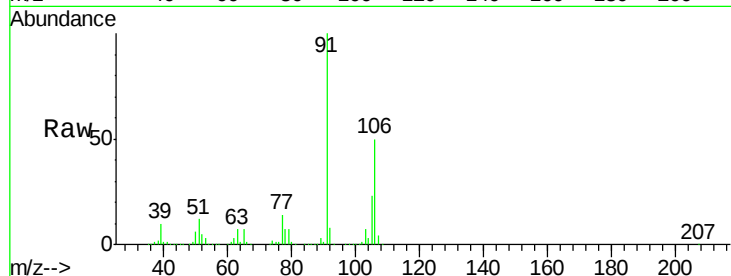
VICV91

Tgt Ion:106 Resp: 232138

Ion Ratio Lower Upper

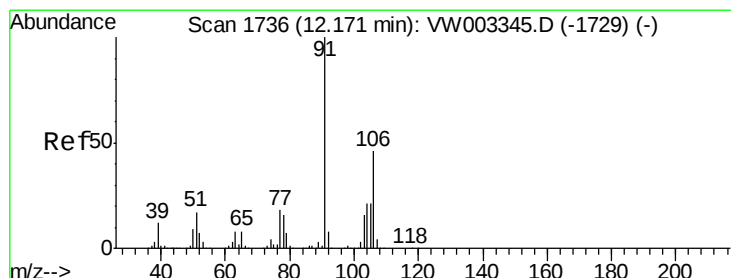
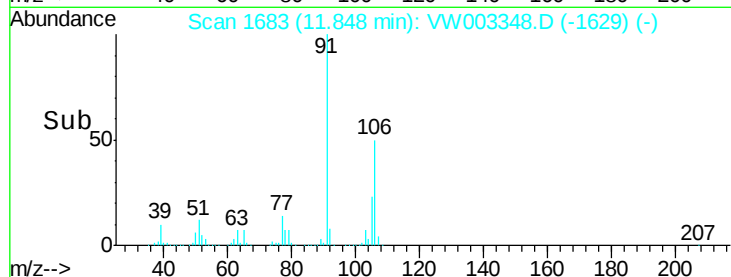
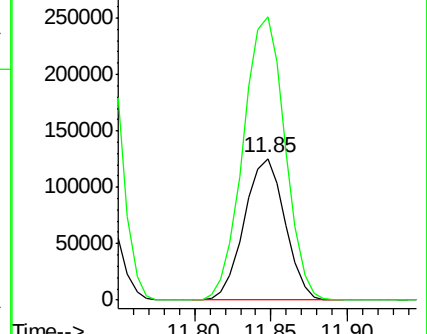
106 100

91 200.3 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 24.042 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW003348.D

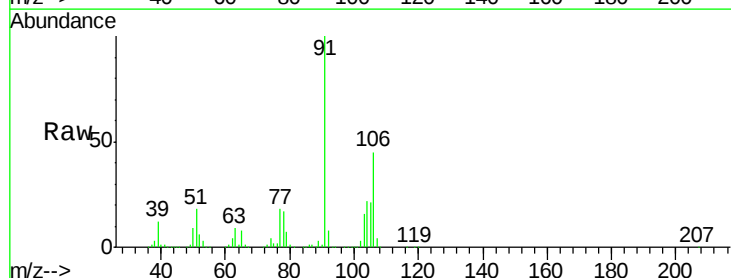
Acq: 20 Jun 2018 12:10

Tgt Ion:106 Resp: 221411

Ion Ratio Lower Upper

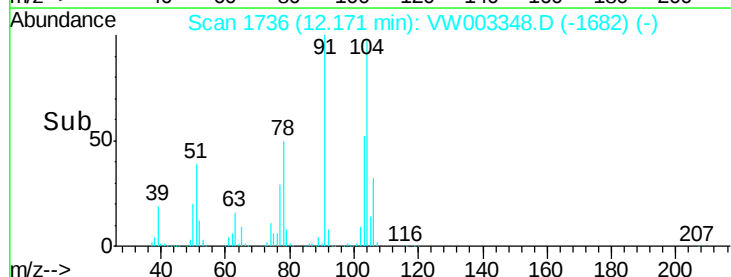
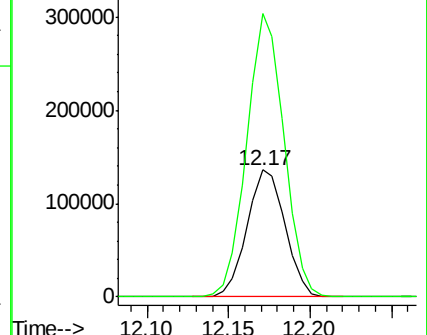
106 100

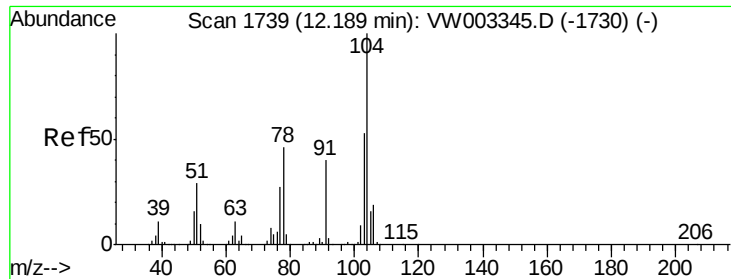
91 223.0 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 24.370 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

Instrument :

MSVOA_W

ClientSampled :

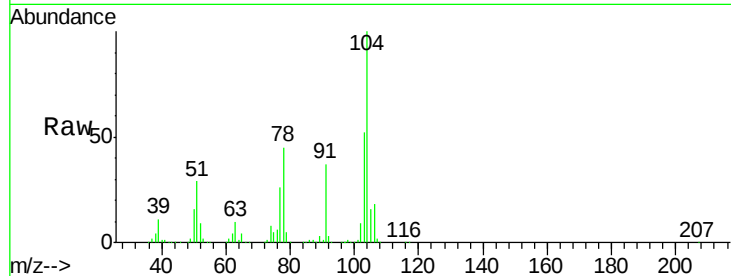
VICV91

Tgt Ion:104 Resp: 387475

Ion Ratio Lower Upper

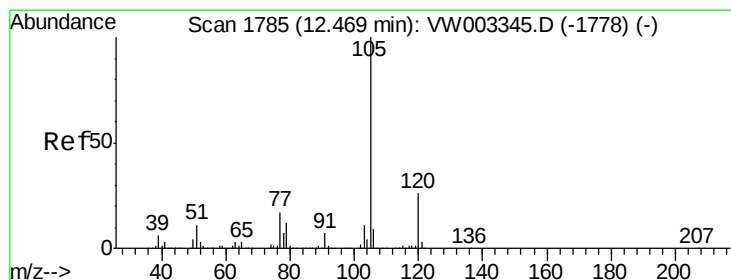
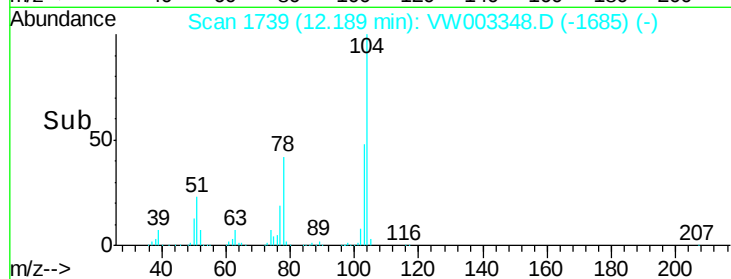
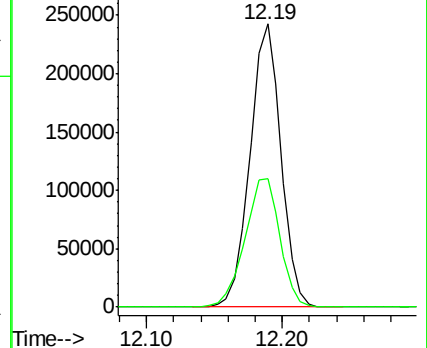
104 100

78 45.3 32.1 59.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 24.092 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

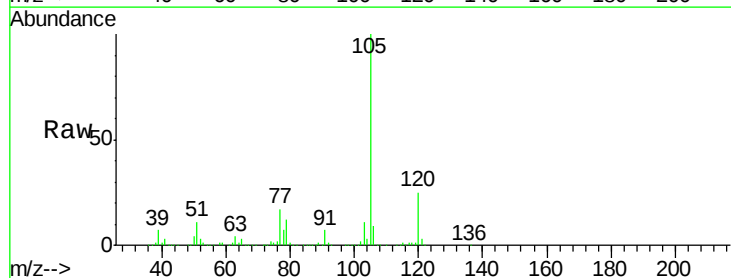
Tgt Ion:105 Resp: 615578

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.4

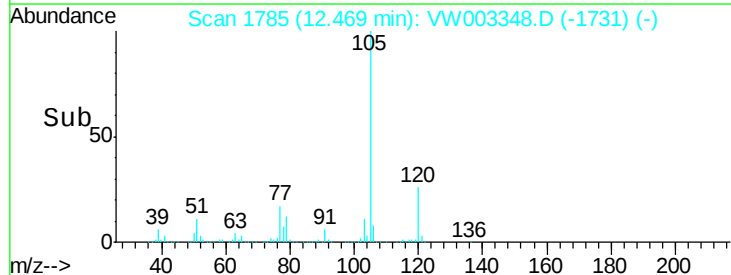
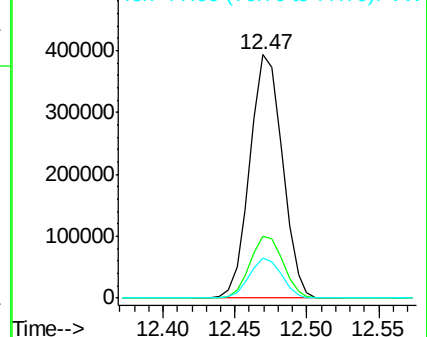
77 16.3 13.3 19.9

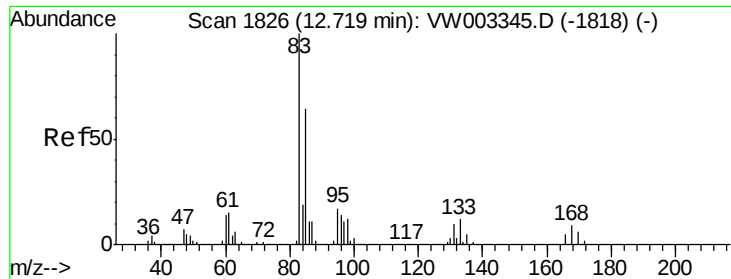


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





#58

1,1,2,2-Tetrachloroethane

Concen: 23.597 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

Instrument :

MSVOA_W

ClientSampled :

VICV91

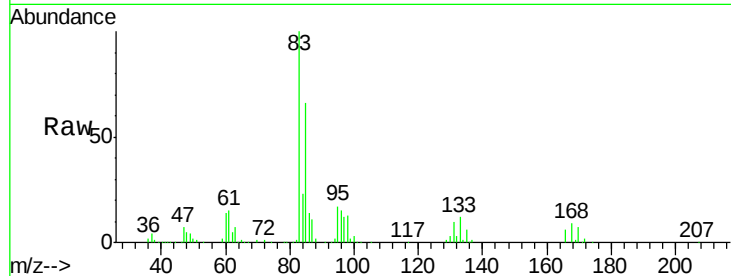
Tgt Ion: 83 Resp: 130960

Ion Ratio Lower Upper

83 100

85 66.1 45.1 83.9

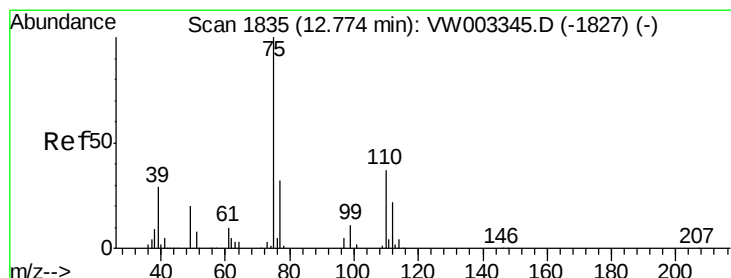
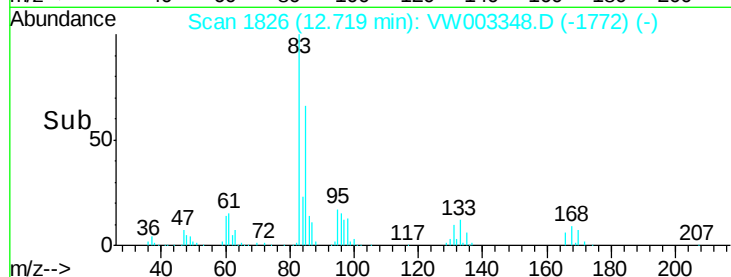
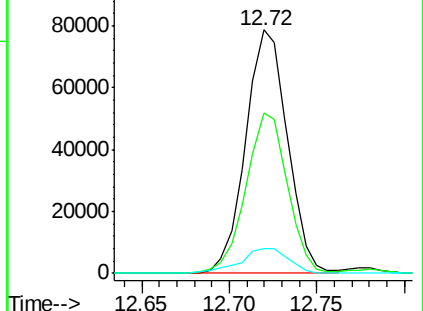
131 10.1 8.2 12.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW



#59

1,2,3-Trichloropropane

Concen: 23.206 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003348.D

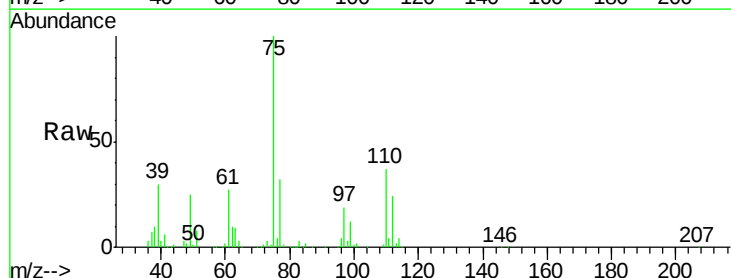
Acq: 20 Jun 2018 12:10

Tgt Ion: 75 Resp: 98700

Ion Ratio Lower Upper

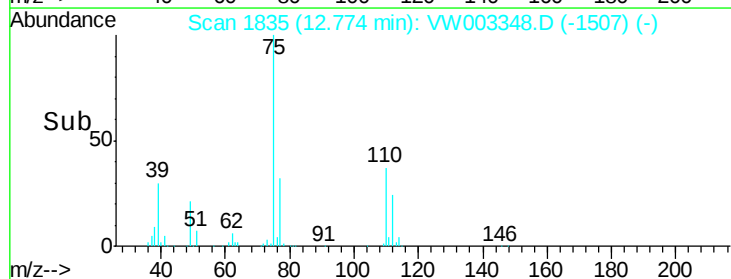
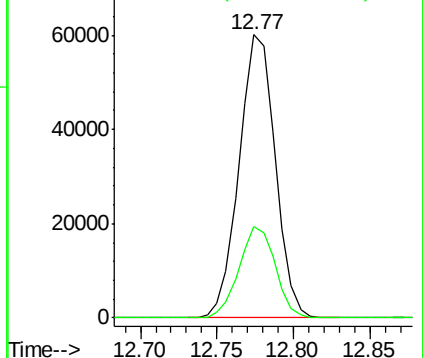
75 100

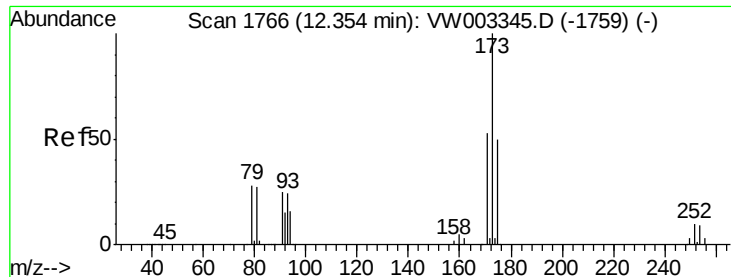
77 32.3 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

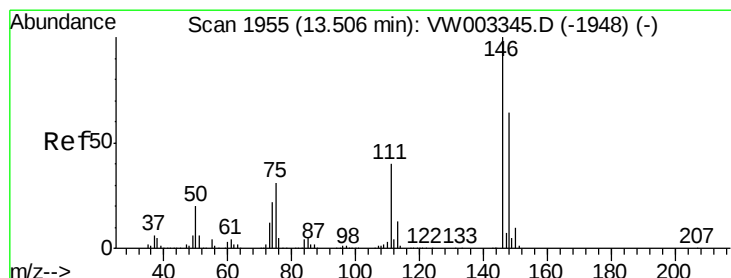
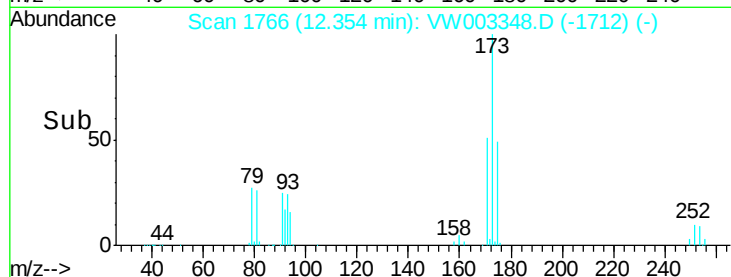
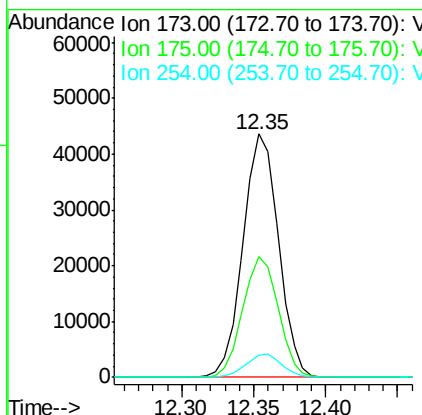
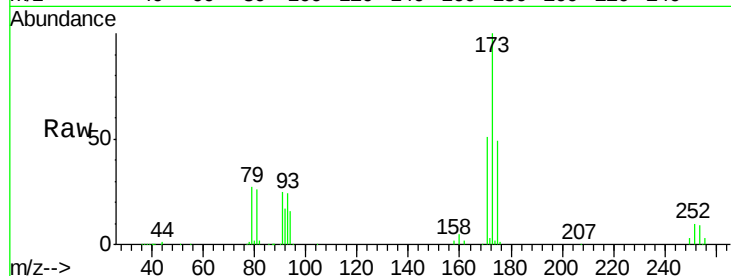




#62
Bromoform
Concen: 22.913 ug/L
RT: 12.35 min Scan# 1766
Delta R.T. 0.00 min
Lab File: VW003348.D
Acq: 20 Jun 2018 12:10

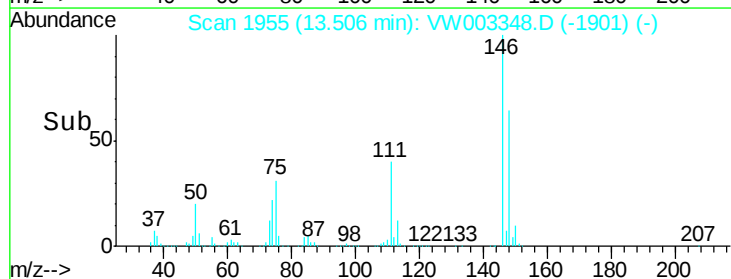
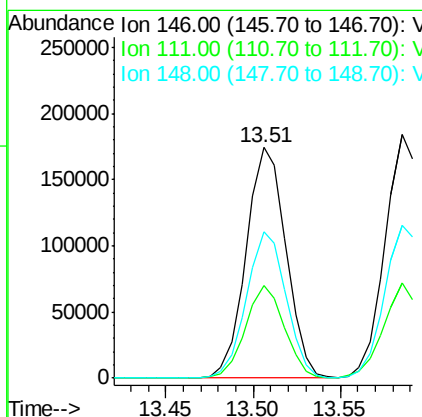
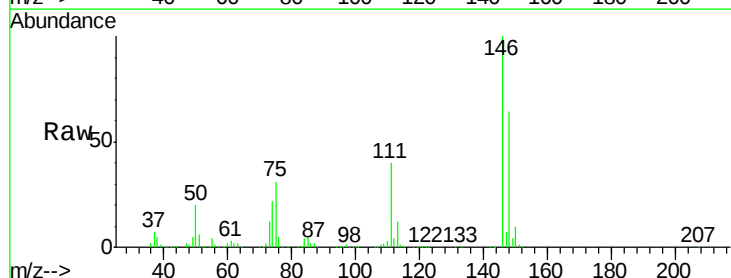
Instrument :
MSVOA_W
ClientSampled :
VICV91

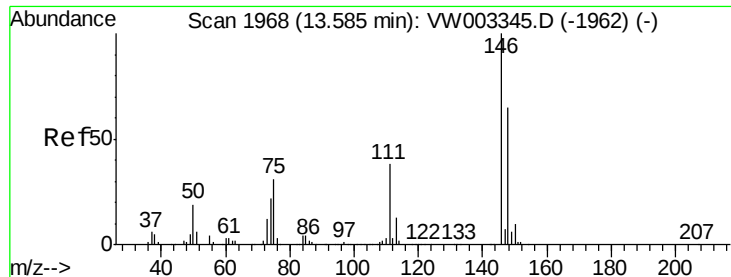
Tgt Ion:173 Resp: 74530
Ion Ratio Lower Upper
173 100
175 49.3 39.9 59.9
254 9.6 7.7 11.5



#63
1,3-Dichlorobenzene
Concen: 23.234 ug/L
RT: 13.51 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW003348.D
Acq: 20 Jun 2018 12:10

Tgt Ion:146 Resp: 276114
Ion Ratio Lower Upper
146 100
111 40.0 27.9 51.7
148 63.7 44.9 83.3





#64

1,4-Dichlorobenzene

Concen: 22.945 ug/L

RT: 13.59 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

Instrument :

MSVOA_W

ClientSampleId :

VICV91

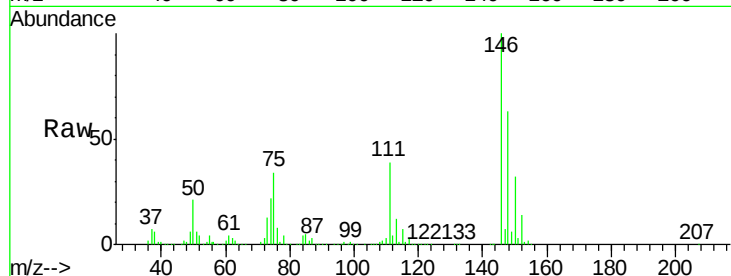
Tgt Ion:146 Resp: 285875

Ion Ratio Lower Upper

146 100

111 39.2 26.8 49.8

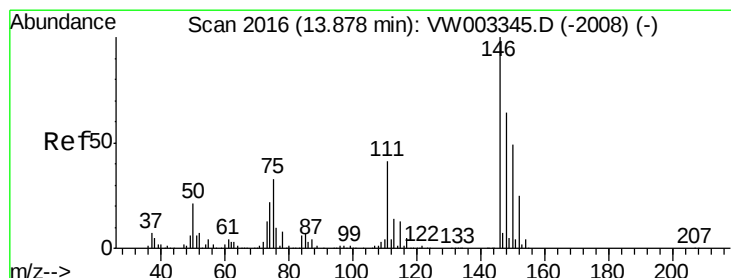
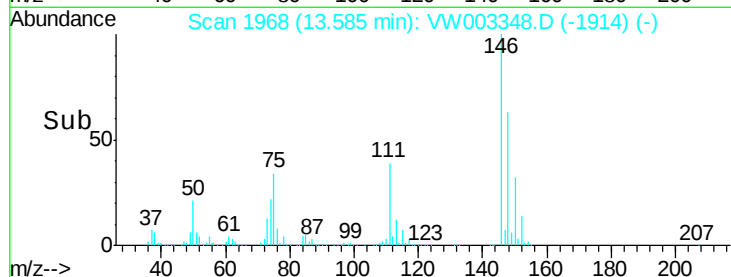
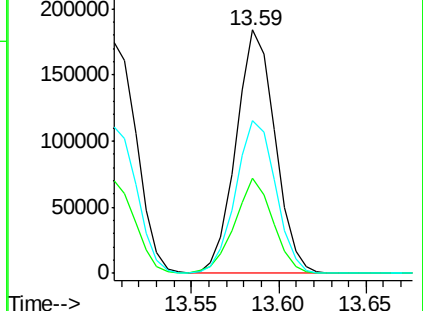
148 62.6 45.4 84.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 23.280 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003348.D

Acq: 20 Jun 2018 12:10

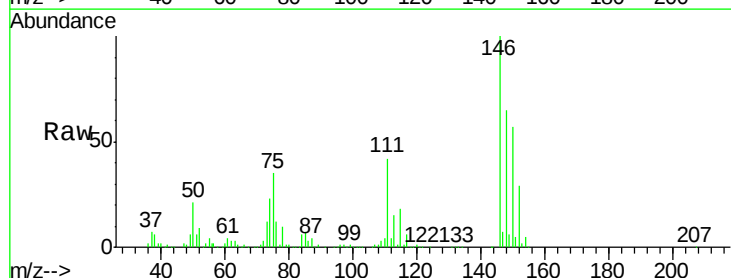
Tgt Ion:146 Resp: 264128

Ion Ratio Lower Upper

146 100

111 41.8 33.1 49.7

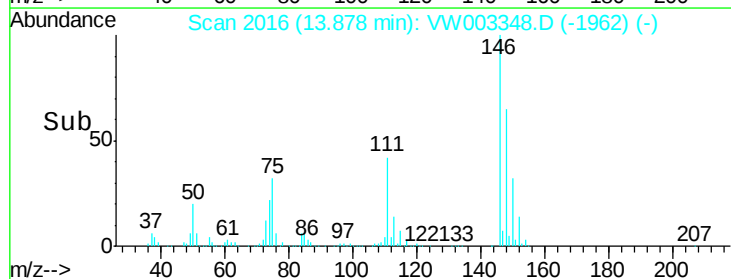
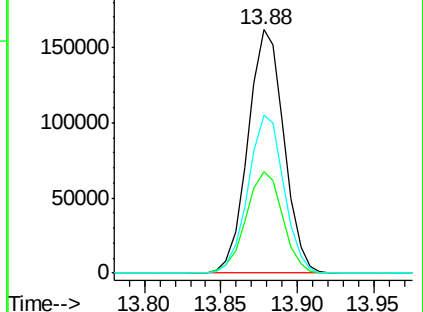
148 64.6 51.0 76.6

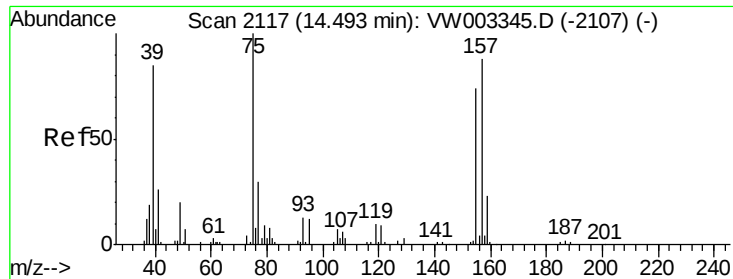


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

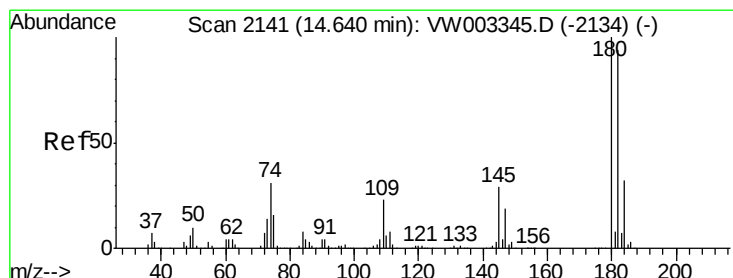
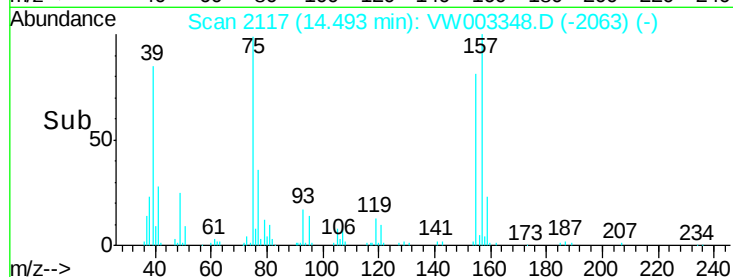
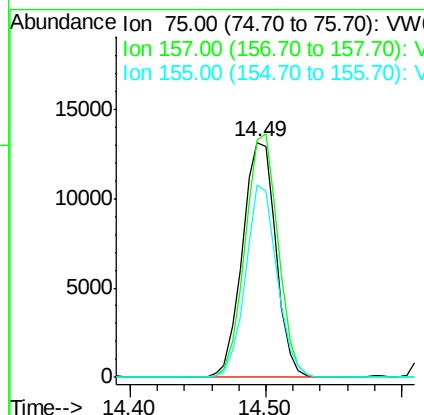
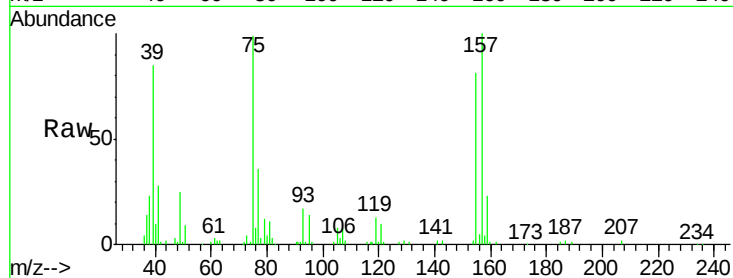




#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.594 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003348.D
 Acq: 20 Jun 2018 12:10

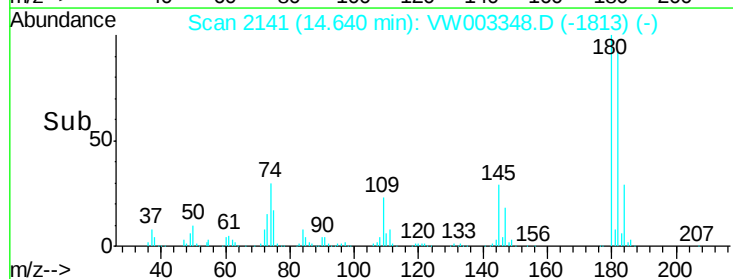
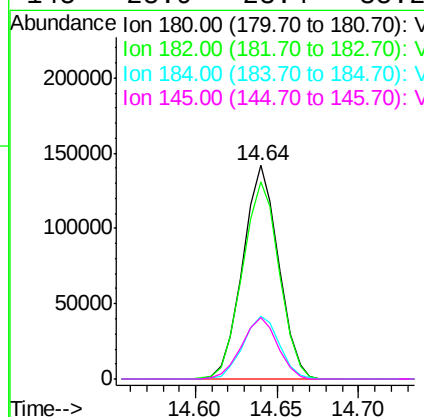
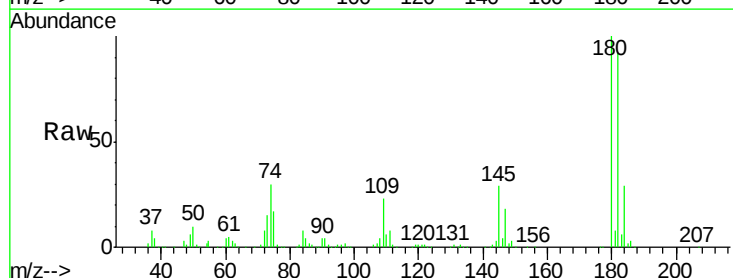
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV91

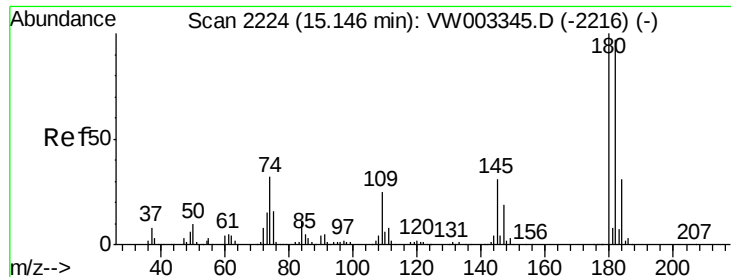
Tgt Ion: 75 Resp: 22497
 Ion Ratio Lower Upper
 75 100
 157 100.9 70.7 106.1
 155 82.1 59.0 88.6



#67
 1,3,5-Trichlorobenzene
 Concen: 23.525 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW003348.D
 Acq: 20 Jun 2018 12:10

Tgt Ion: 180 Resp: 217240
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.9 113.9
 184 29.9 24.5 36.7
 145 28.9 23.4 35.2

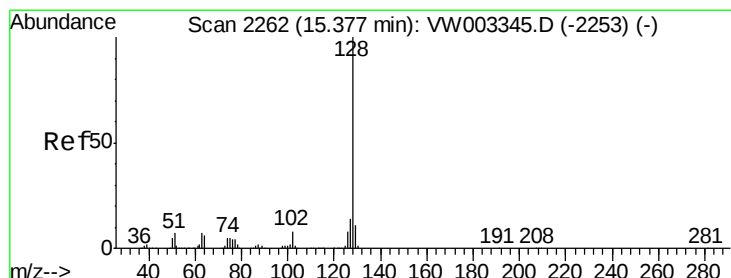
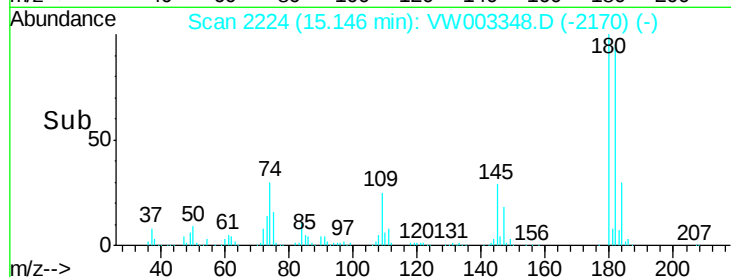
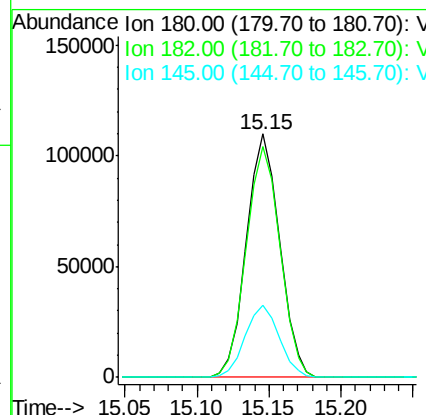
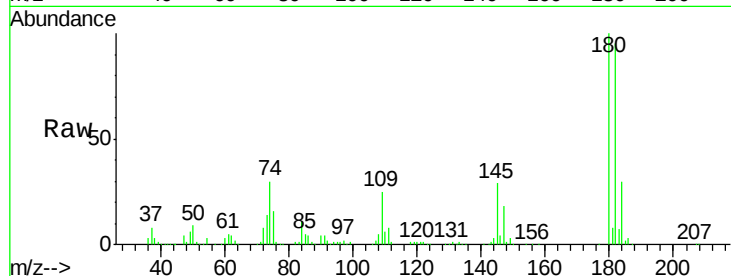




#68
 1,2,4-trichlorobenzene
 Concen: 23.436 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003348.D
 Acq: 20 Jun 2018 12:10

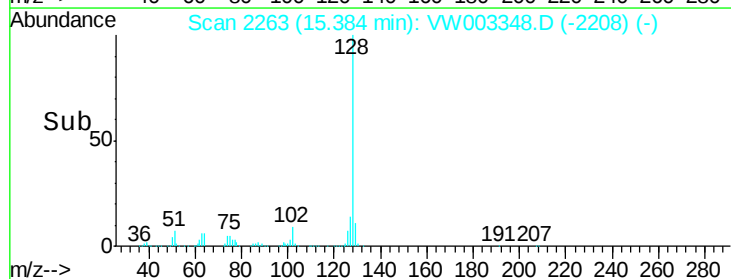
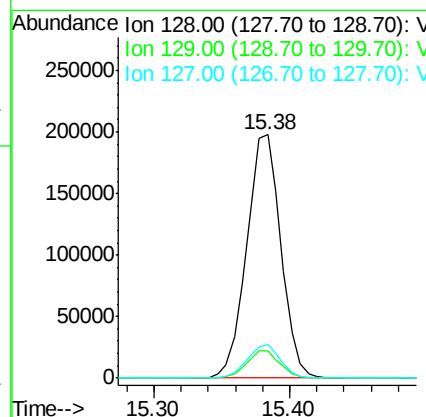
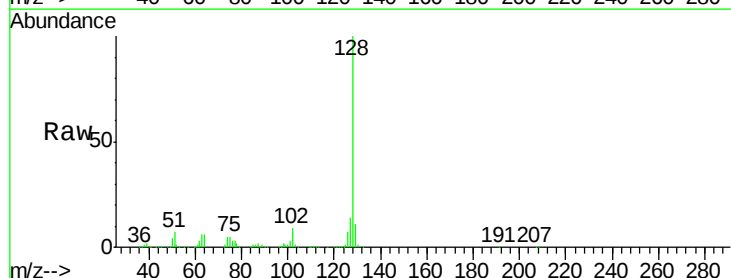
Instrument :
 MSVOA_W
 ClientSampled :
 VICV91

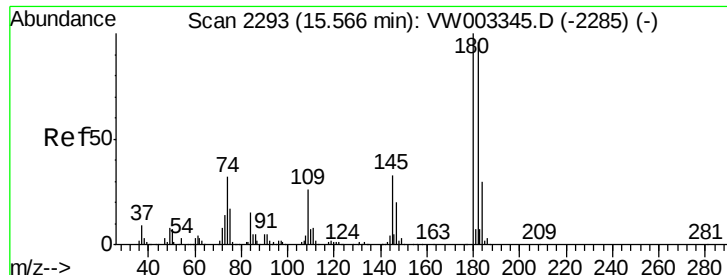
Tgt Ion:180 Resp: 176184
 Ion Ratio Lower Upper
 180 100
 182 96.6 74.8 112.2
 145 30.4 23.6 35.4



#69
 Naphthalene
 Concen: 24.797 ug/L
 RT: 15.38 min Scan# 2263
 Delta R.T. 0.01 min
 Lab File: VW003348.D
 Acq: 20 Jun 2018 12:10

Tgt Ion:128 Resp: 348798
 Ion Ratio Lower Upper
 128 100
 129 11.0 8.6 13.0
 127 13.3 10.9 16.3

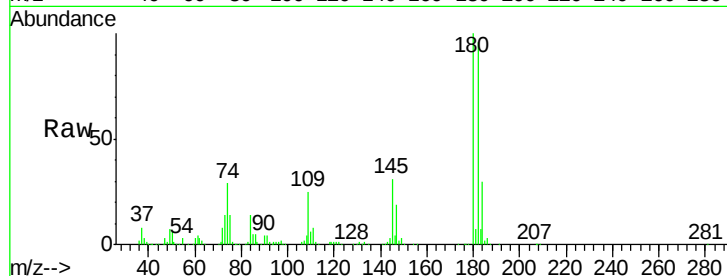




#70
 1,2,3-Trichlorobenzene
 Concen: 24.228 ug/L
 RT: 15.57 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: VW003348.D
 Acq: 20 Jun 2018 12:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV91

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.4	113.0
145	32.3	25.4	38.2



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

