

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102218\
 Data File : VW006267.D
 Acq On : 22 Oct 2018 23:45
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 23 05:30:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	244809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	353139	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	327448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	184875	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	97859	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
35) Dibromofluoromethane	7.89	113	102140	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
50) Toluene-d8	10.33	98	382764	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
62) 4-Bromofluorobenzene	12.62	95	146889	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	60766	50.160	ug/l	98
3) Chloromethane	2.21	50	73991	47.448	ug/l	99
4) Vinyl Chloride	2.37	62	115618	51.916	ug/l	99
5) Bromomethane	2.79	94	103051	50.876	ug/l	99
6) Chloroethane	2.93	64	83119	52.081	ug/l	99
7) Trichlorofluoromethane	3.26	101	101902	49.119	ug/l	99
8) Diethyl Ether	3.68	74	61151	55.462	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	115698	53.215	ug/l	99
10) Methyl Iodide	4.27	142	198040	54.727	ug/l	100
11) Tert butyl alcohol	5.22	59	33666	246.638	ug/l	98
12) 1,1-Dichloroethene	4.04	96	109346	53.458	ug/l	93
13) Acrolein	3.90	56	28602	216.548	ug/l	97
14) Allyl chloride	4.67	41	152072	51.996	ug/l	99
15) Acrylonitrile	5.37	53	107189	271.045	ug/l	99
16) Acetone	4.14	43	96511	253.683	ug/l	98
17) Carbon Disulfide	4.38	76	304823	49.378	ug/l	99
18) Methyl Acetate	4.68	43	56853	55.663	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	169030	54.256	ug/l	98
20) Methylene Chloride	4.91	84	119861	56.009	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	124792	54.658	ug/l	99
22) Diisopropyl ether	6.32	45	316035	54.681	ug/l	97
23) Vinyl Acetate	6.26	43	876144	256.869	ug/l	99
24) 1,1-Dichloroethane	6.21	63	208776	55.982	ug/l	99
25) 2-Butanone	7.18	43	138867	253.271	ug/l	100
26) 2,2-Dichloropropane	7.17	77	130189	49.496	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	141604	56.203	ug/l	98
28) Bromochloromethane	7.51	49	80598	55.980	ug/l	94
29) Tetrahydrofuran	7.54	42	87867	260.714	ug/l	98
30) Chloroform	7.68	83	227789	56.062	ug/l	98
31) Cyclohexane	7.96	56	180851	48.696	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	196737	53.677	ug/l	99
36) 1,1-Dichloropropene	8.09	75	175942	54.054	ug/l	100
37) Ethyl Acetate	7.26	43	61944	51.221	ug/l	99
38) Carbon Tetrachloride	8.07	117	186668	52.314	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	223323	51.615	ug/l	98
40) Benzene	8.33	78	494987	55.438	ug/l	99
41) Methacrylonitrile	7.49	41	35941	49.299	ug/l	91
42) 1,2-Dichloroethane	8.40	62	145936	55.633	ug/l	100
43) Isopropyl Acetate	8.43	43	125078	50.584	ug/l	98
44) Trichloroethene	9.09	130	151111	55.165	ug/l	99
45) 1,2-Dichloropropane	9.37	63	117432	54.963	ug/l	98
46) Dibromomethane	9.46	93	66723	54.793	ug/l	99
47) Bromodichloromethane	9.65	83	159845	54.142	ug/l	99
48) Methyl methacrylate	9.44	41	61522	52.490	ug/l	97
49) 1,4-Dioxane	9.48	88	21186	1130.128	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	320909	259.027	ug/l	98
52) Toluene	10.39	92	327910	54.780	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	154899	52.660	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	180905	53.587	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	94326	55.353	ug/l	98
56) Ethyl methacrylate	10.65	69	110924	53.097	ug/l	96
57) 1,3-Dichloropropane	10.94	76	154586	54.800	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	208977	261.793	ug/l	99
59) 2-Hexanone	10.98	43	217970	246.469	ug/l	97
60) Dibromochloromethane	11.13	129	113747	53.589	ug/l	100
61) 1,2-Dibromoethane	11.24	107	93811	55.096	ug/l	100
64) Tetrachloroethene	10.87	164	140223	55.163	ug/l	98
65) Chlorobenzene	11.66	112	385287	54.965	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	136600	54.835	ug/l	99
67) Ethyl Benzene	11.74	91	658584	54.213	ug/l	100
68) m/p-Xylenes	11.85	106	521477	108.606	ug/l	99
69) o-Xylene	12.17	106	251524	54.966	ug/l	98
70) Styrene	12.19	104	408724	54.927	ug/l	100
71) Bromoform	12.35	173	71785	51.664	ug/l #	99
73) Isopropylbenzene	12.47	105	701648	53.721	ug/l	100
74) N-amyl acetate	12.28	43	124282	48.992	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	108188	54.462	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	137209	97.168	ug/l #	100
77) Bromobenzene	12.75	156	173149	54.125	ug/l	99
78) n-propylbenzene	12.81	91	815090	53.641	ug/l	100
79) 2-Chlorotoluene	12.90	91	464078	54.357	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	591439	53.715	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	28675	48.542	ug/l	100
82) 4-Chlorotoluene	12.99	91	483433	54.055	ug/l	99
83) tert-Butylbenzene	13.21	119	531575	53.961	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	602987	54.120	ug/l	100
85) sec-Butylbenzene	13.39	105	747095	53.682	ug/l	100
86) p-Isopropyltoluene	13.51	119	683349	54.286	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	349033	54.822	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	343933	54.257	ug/l	99
89) n-Butylbenzene	13.83	91	615192	53.438	ug/l	99
90) Hexachloroethane	14.10	117	111957	52.507	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	307698	54.182	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17079	48.020	ug/l	93

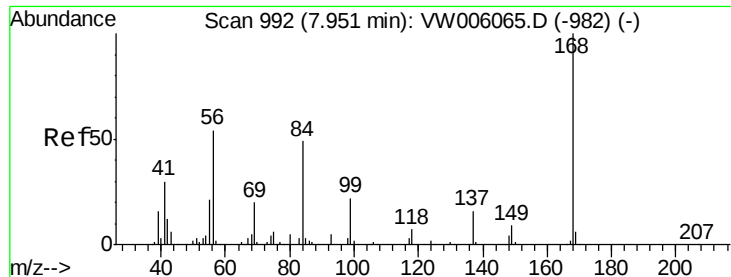
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102218\
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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	233569	53.452	ug/l	100
94) Hexachlorobutadiene	15.24	225	146578	53.399	ug/l	99
95) Naphthalene	15.38	128	386662	53.194	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	204072	53.994	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

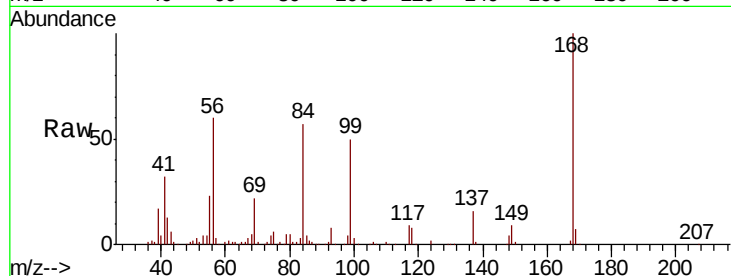
VSTDCCC050

Tot Ion:168 Resp: 244809

Ion Ratio Lower Upper

168 100

99 50.4 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

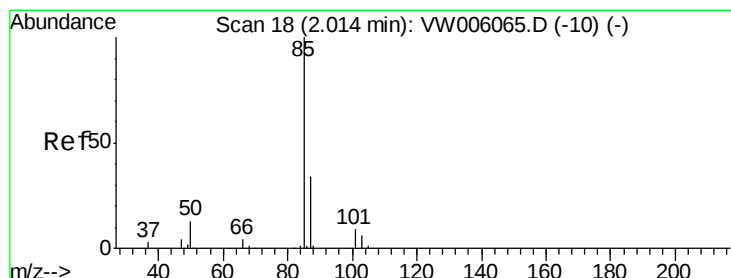
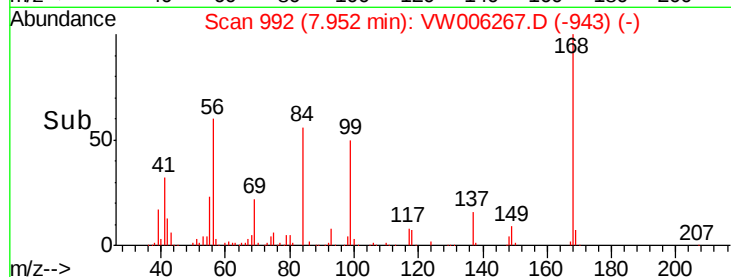
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.160 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006267.D

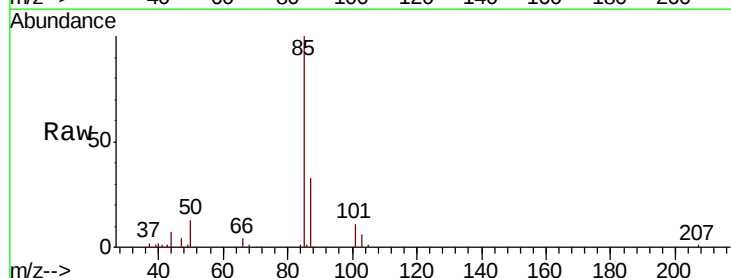
Acq: 22 Oct 2018 23:45

Tgt Ion: 85 Resp: 60766

Ion Ratio Lower Upper

85 100

87 32.7 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

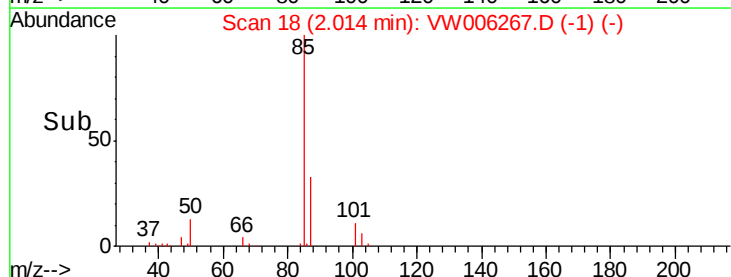
10000

5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 47.448 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

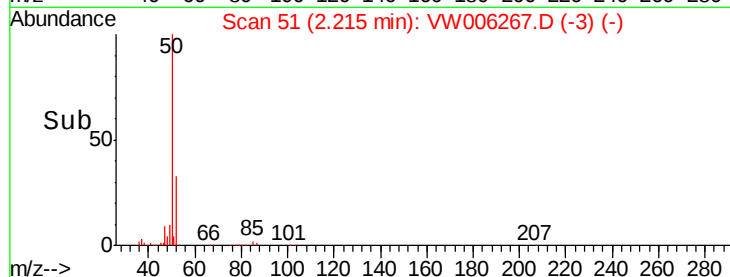
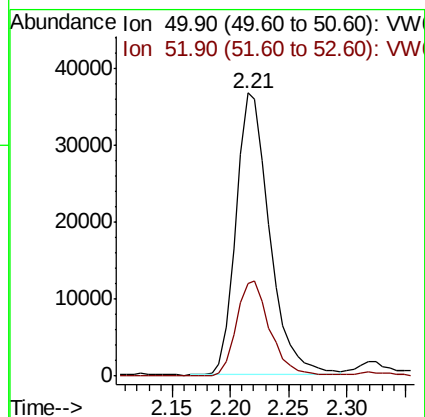
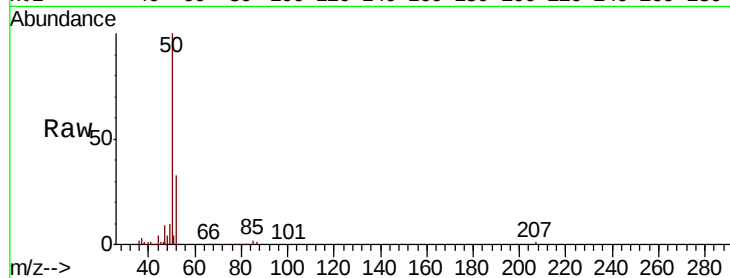
VSTDCCC050

Tot Ion: 50 Resp: 73991

Ion Ratio Lower Upper

50 100

52 32.7 26.8 40.2



#4

Vinyl Chloride

Concen: 51.916 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW006267.D

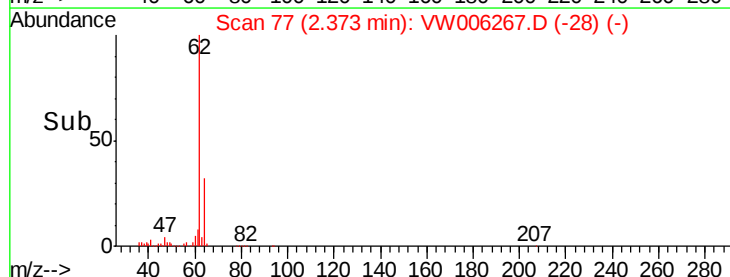
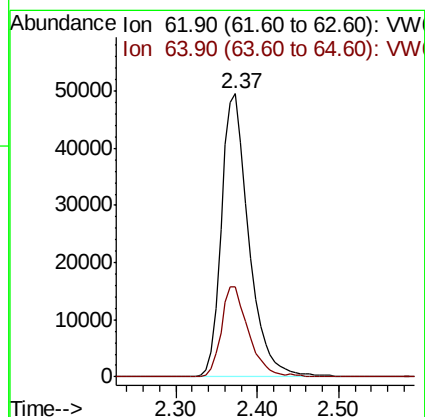
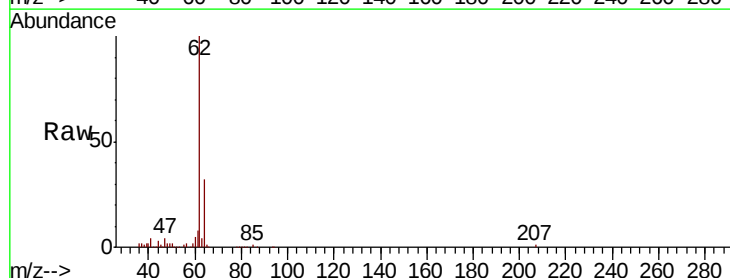
Acq: 22 Oct 2018 23:45

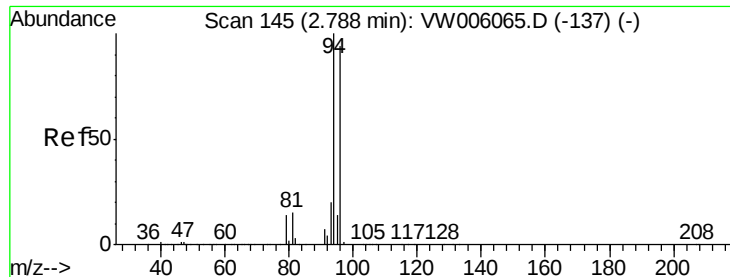
Tgt Ion: 62 Resp: 115618

Ion Ratio Lower Upper

62 100

64 31.6 25.9 38.9





#5

Bromomethane

Concen: 50.876 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

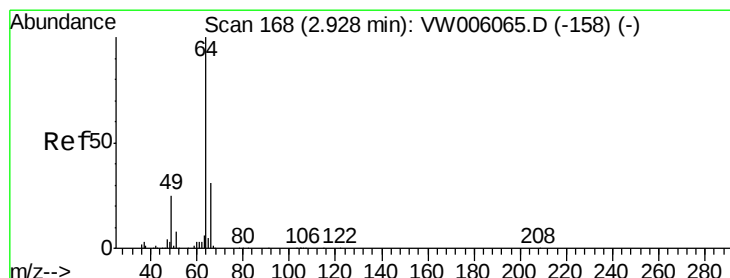
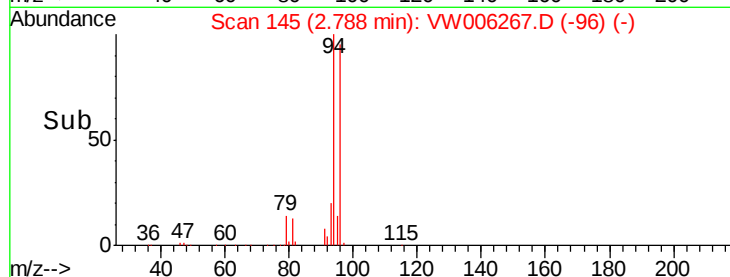
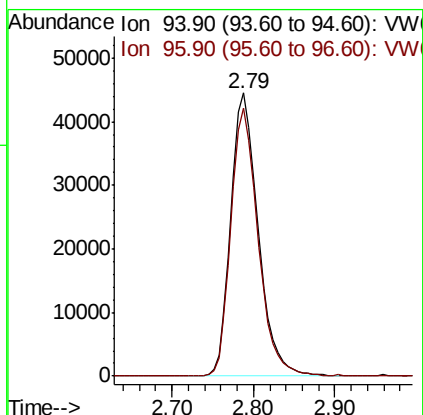
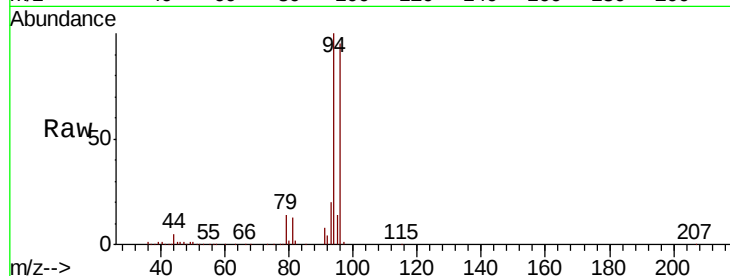
VSTDCCC050

Tot Ion: 94 Resp: 103051

Ion Ratio Lower Upper

94 100

96 94.6 74.9 112.3



#6

Chloroethane

Concen: 52.081 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006267.D

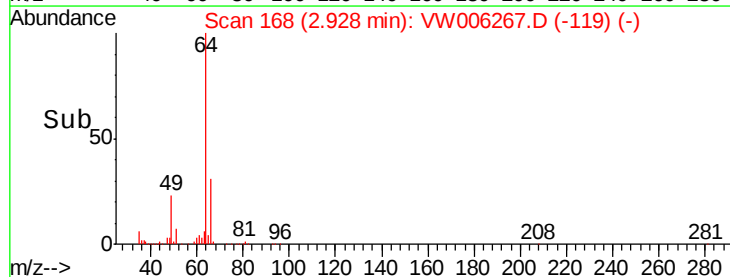
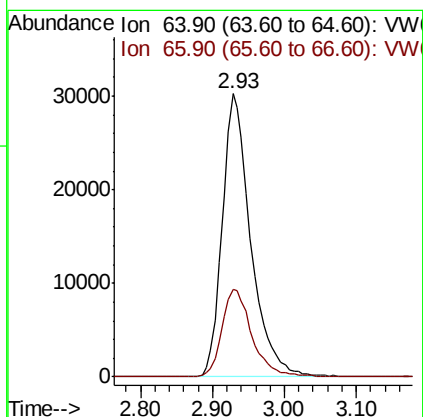
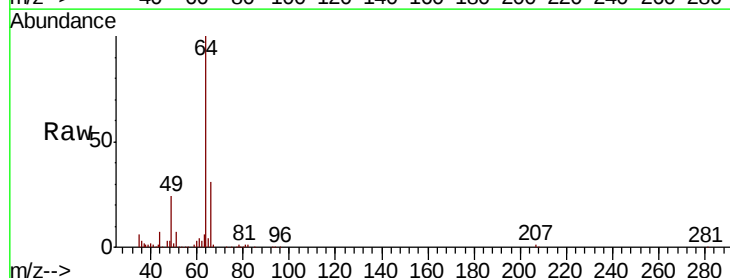
Acq: 22 Oct 2018 23:45

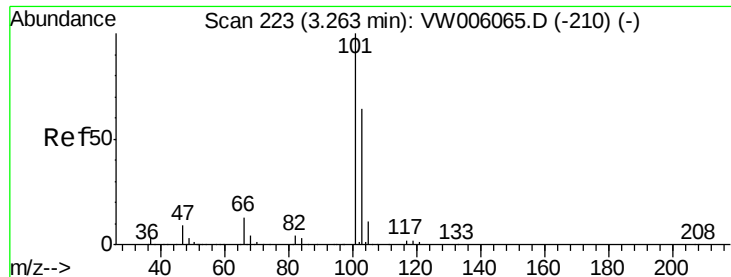
Tgt Ion: 64 Resp: 83119

Ion Ratio Lower Upper

64 100

66 30.7 24.9 37.3



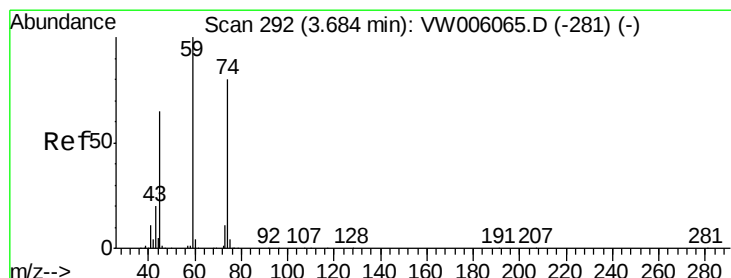
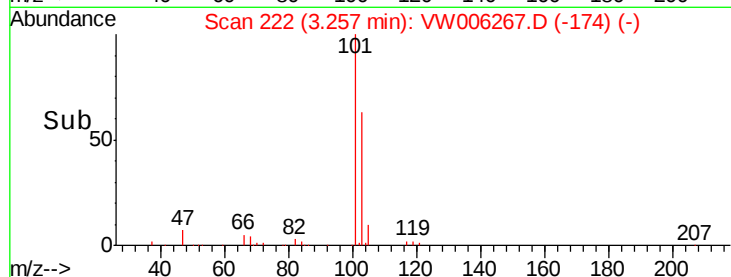
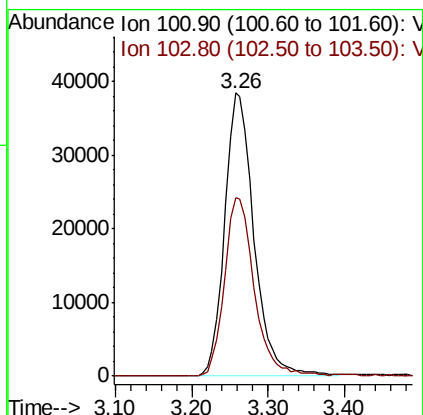
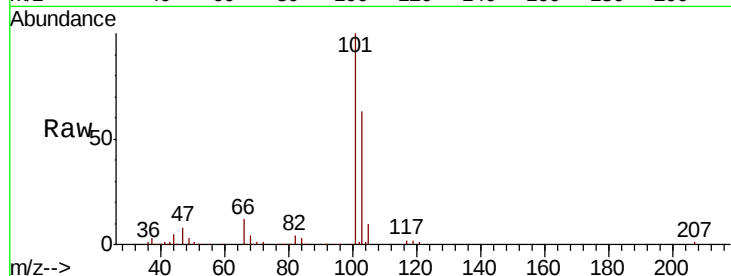


#7

Trichlorofluoromethane
 Concen: 49.119 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006267.D
 Acq: 22 Oct 2018 23:45

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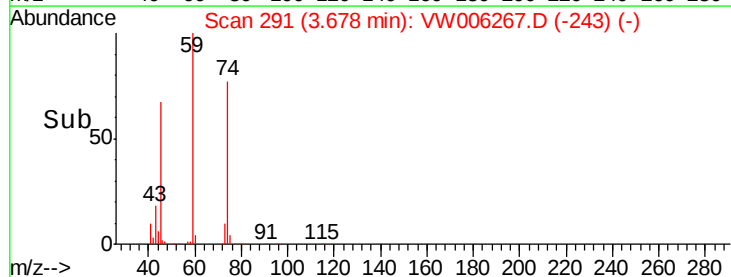
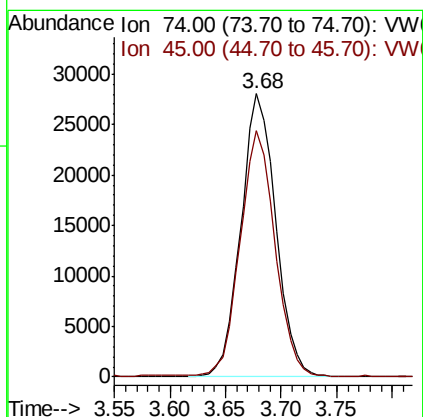
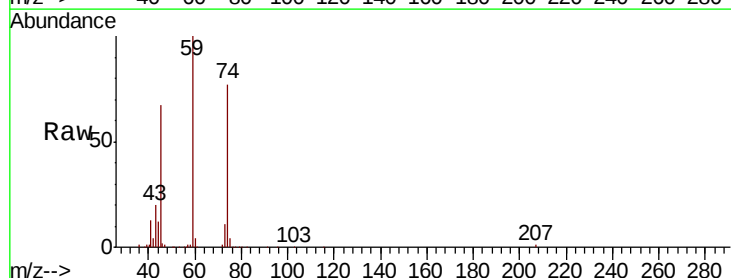
Tot Ion:101 Resp: 101902
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.2 76.8



#8

Diethyl Ether
 Concen: 55.462 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006267.D
 Acq: 22 Oct 2018 23:45

Tgt Ion: 74 Resp: 61151
 Ion Ratio Lower Upper
 74 100
 45 87.4 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.215 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

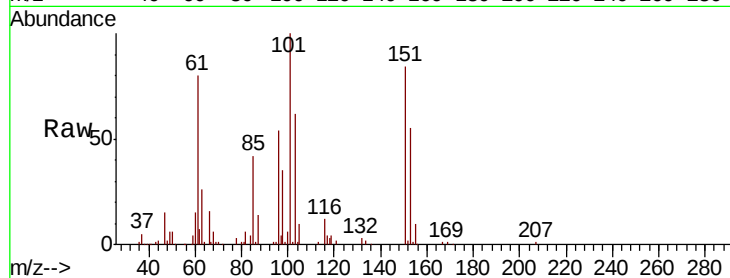
Tot Ion:101 Resp: 115698

Ion Ratio Lower Upper

101 100

85 43.4 34.9 52.3

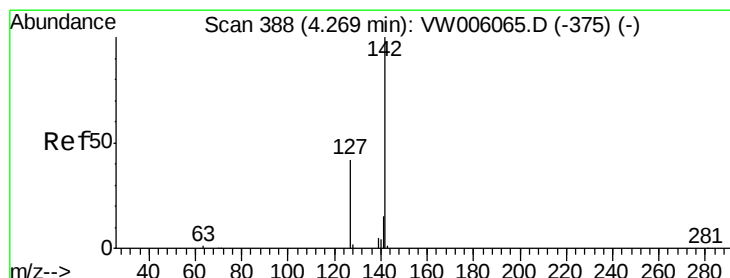
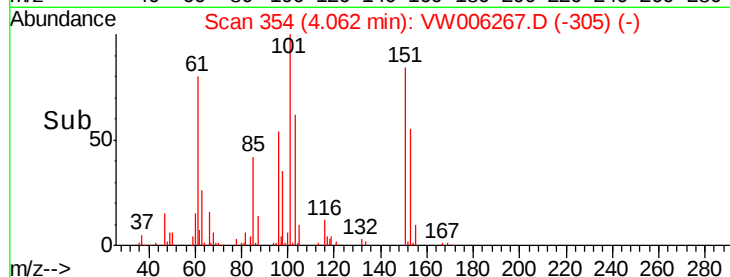
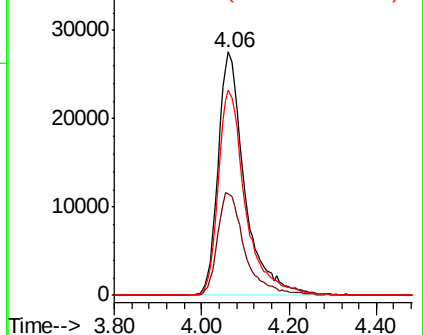
151 86.1 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.727 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

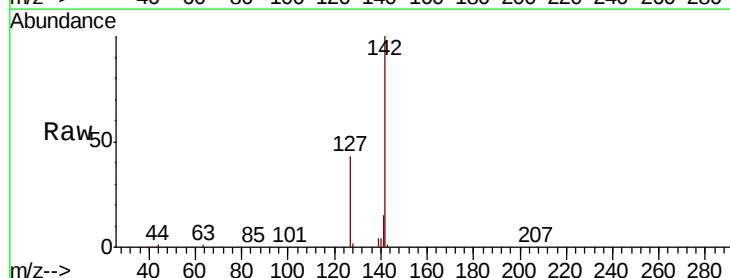
Tgt Ion:142 Resp: 198040

Ion Ratio Lower Upper

142 100

127 41.9 33.6 50.4

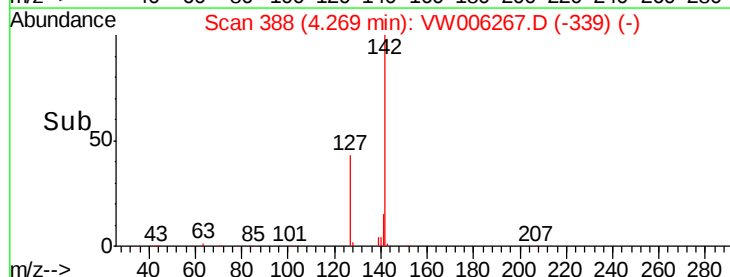
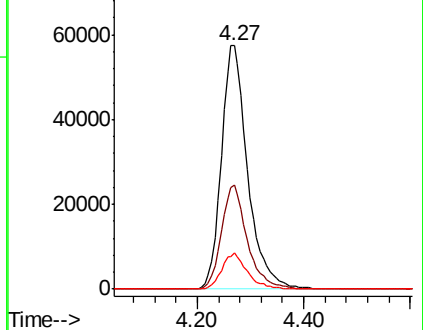
141 14.4 11.6 17.4

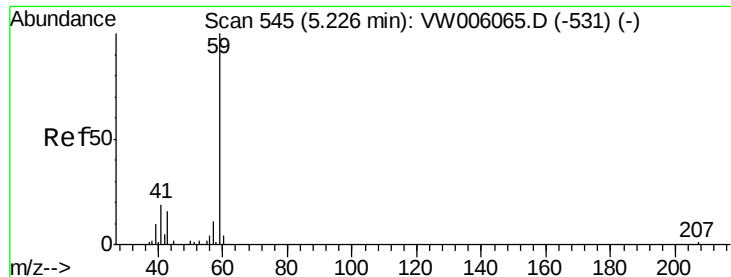


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



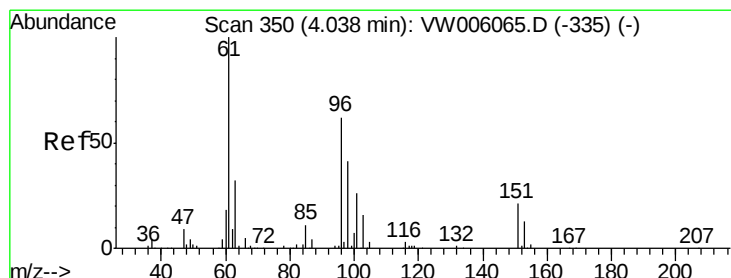
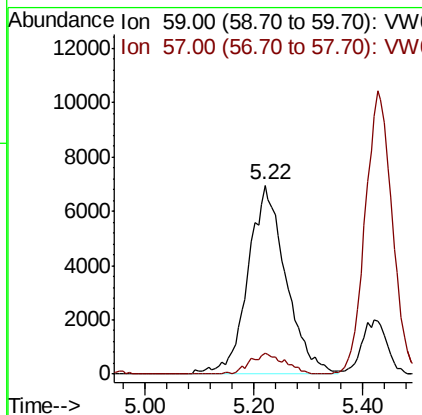
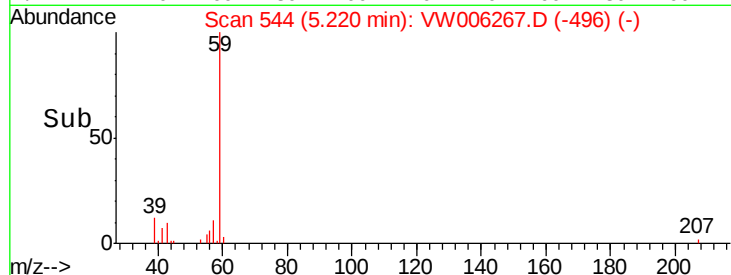
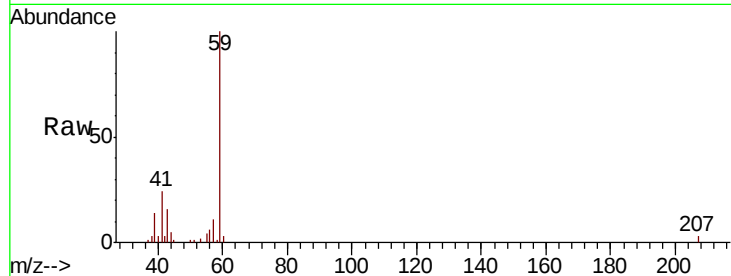


#11

Tert butyl alcohol
Concen: 246.638 ug/l
RT: 5.22 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

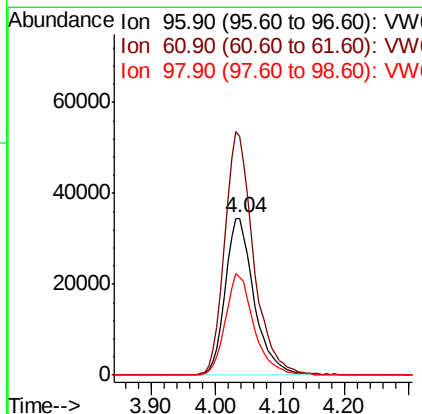
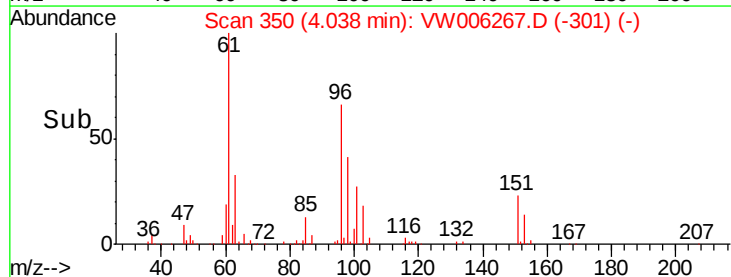
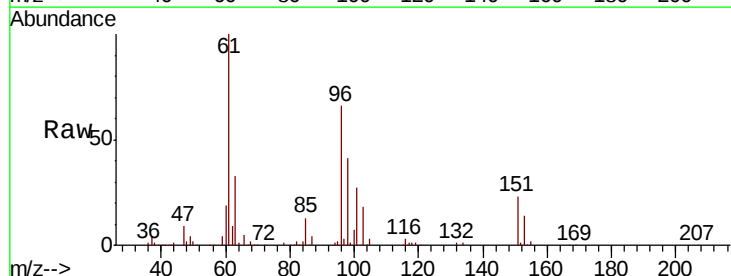
Tot Ion: 59 Resp: 33666
Ion Ratio Lower Upper
59 100
57 10.2 8.7 13.1

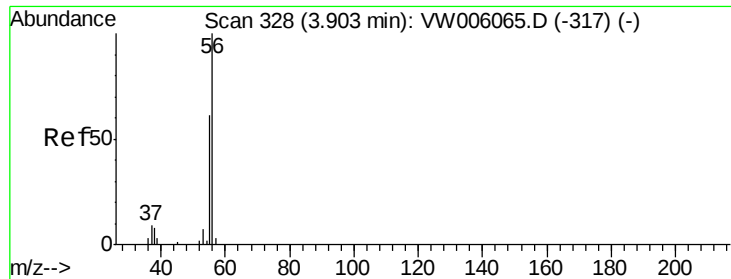


#12

1,1-Dichloroethene
Concen: 53.458 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

Tgt Ion: 96 Resp: 109346
Ion Ratio Lower Upper
96 100
61 152.2 129.3 193.9
98 61.9 53.1 79.7

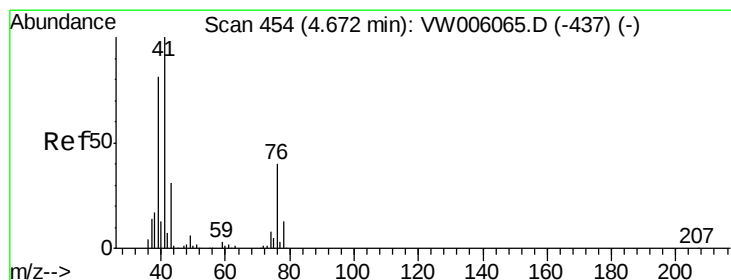
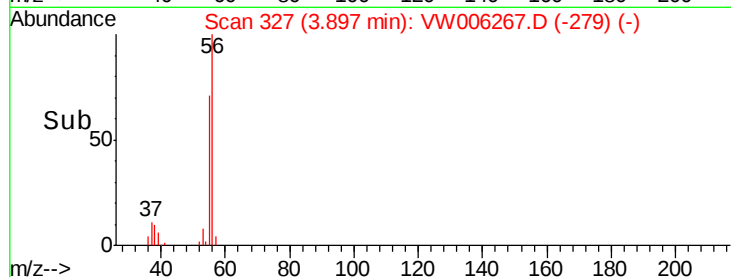
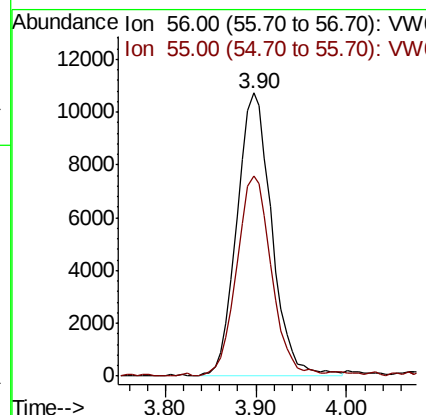
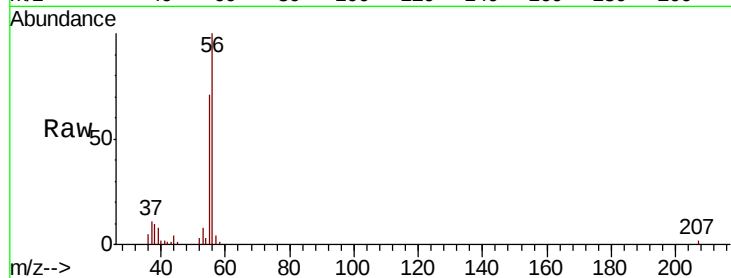




#13
Acrolein
Concen: 216.548 ug/l
RT: 3.90 min Scan# 327
Delta R.T. -0.01 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

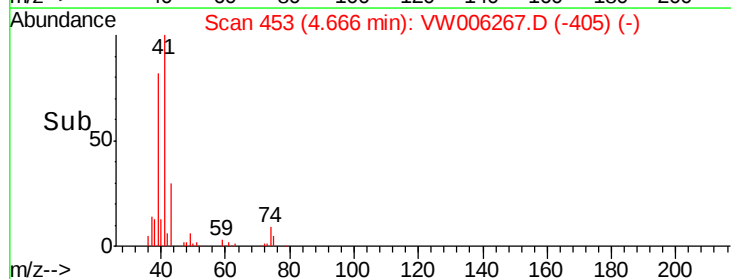
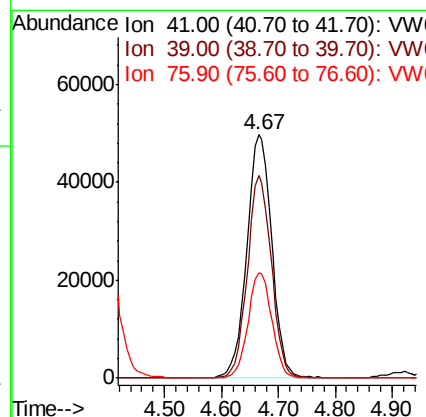
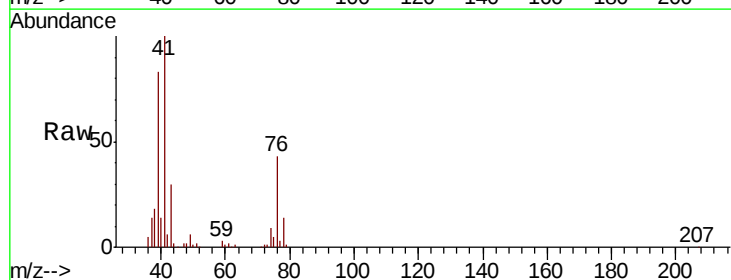
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 28602
Ion Ratio Lower Upper
56 100
55 70.7 54.5 81.7



#14
Allyl chloride
Concen: 51.996 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

Tgt Ion: 41 Resp: 152072
Ion Ratio Lower Upper
41 100
39 80.2 64.1 96.1
76 41.3 32.2 48.4





#15

Acrylonitrile

Concen: 271.045 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

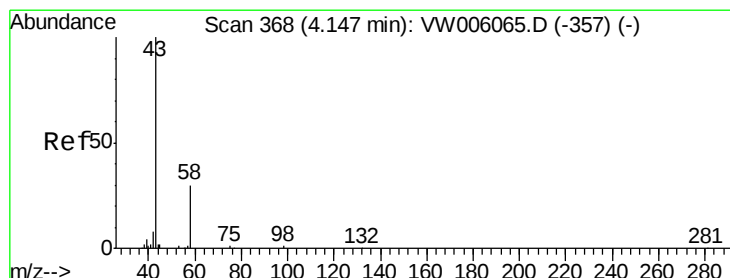
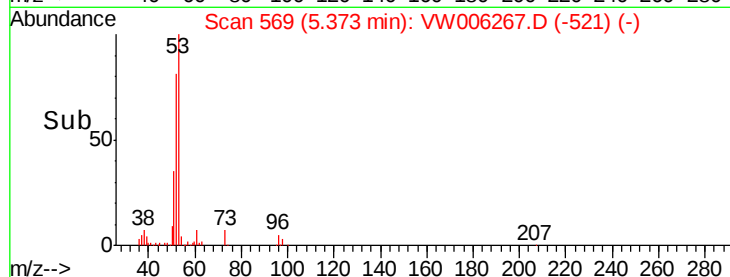
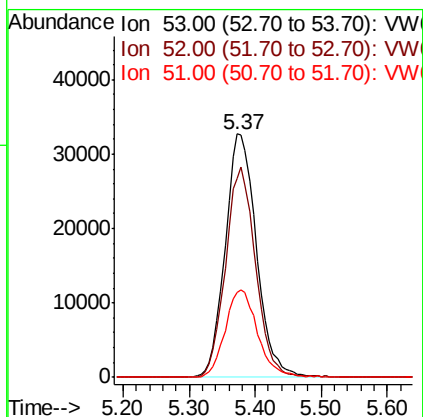
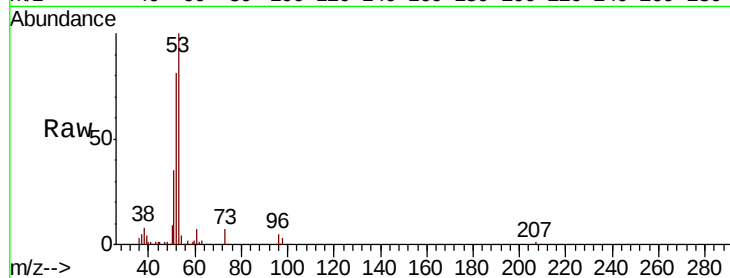
Tot Ion: 53 Resp: 107189

Ion Ratio Lower Upper

53 100

52 83.0 66.9 100.3

51 37.3 30.1 45.1



#16

Acetone

Concen: 253.683 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006267.D

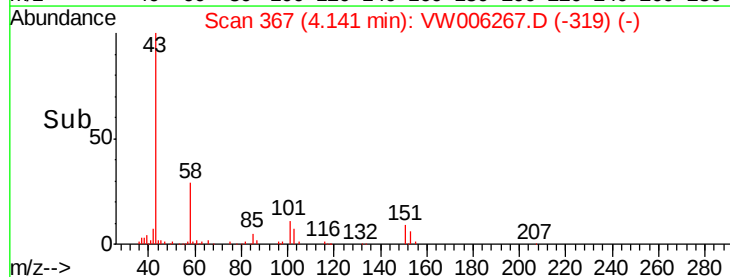
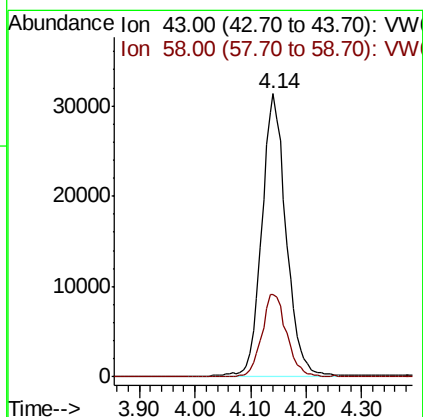
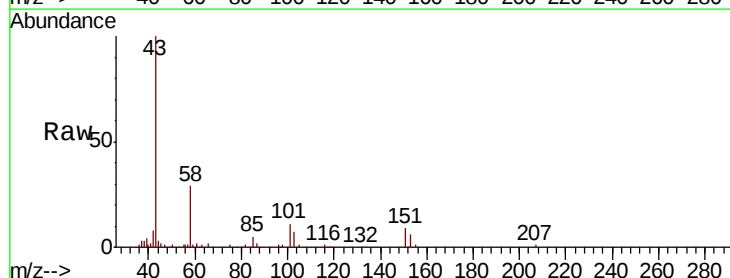
Acq: 22 Oct 2018 23:45

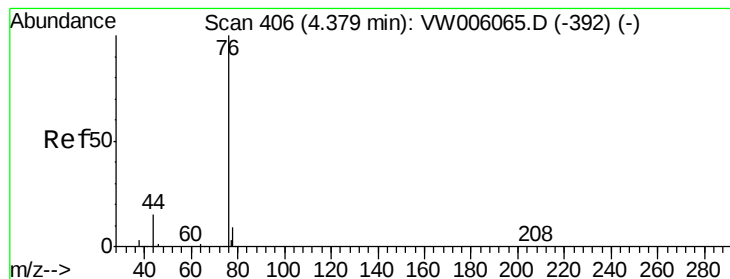
Tgt Ion: 43 Resp: 96511

Ion Ratio Lower Upper

43 100

58 29.0 24.0 36.0





#17

Carbon Disulfide

Concen: 49.378 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

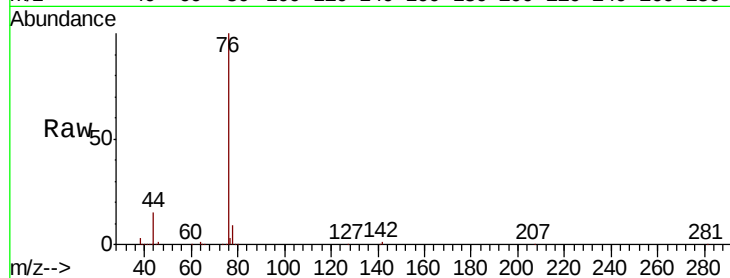
VSTDCCC050

Tot Ion: 76 Resp: 304823

Ion Ratio Lower Upper

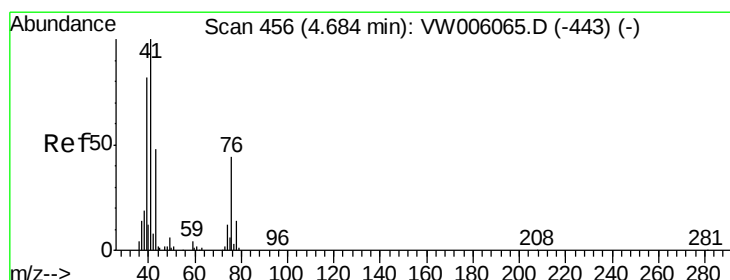
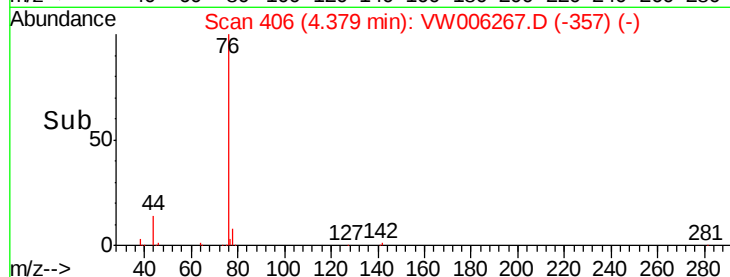
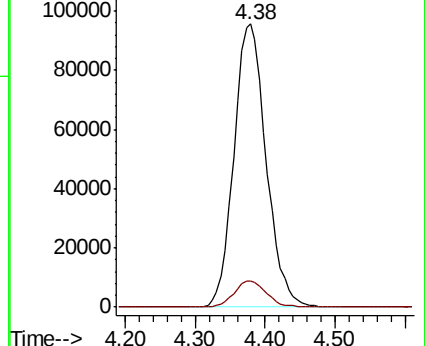
76 100

78 9.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 55.663 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006267.D

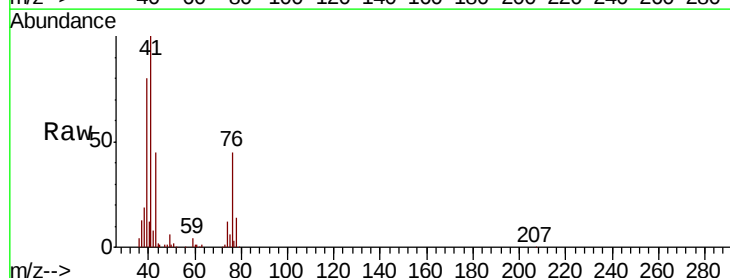
Acq: 22 Oct 2018 23:45

Tgt Ion: 43 Resp: 56853

Ion Ratio Lower Upper

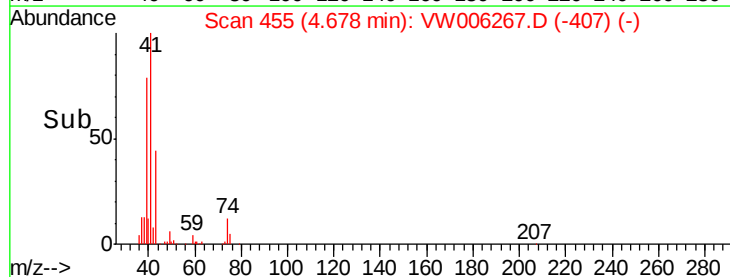
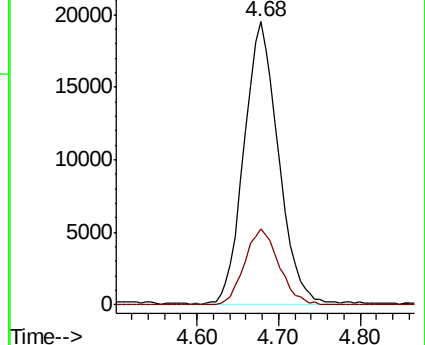
43 100

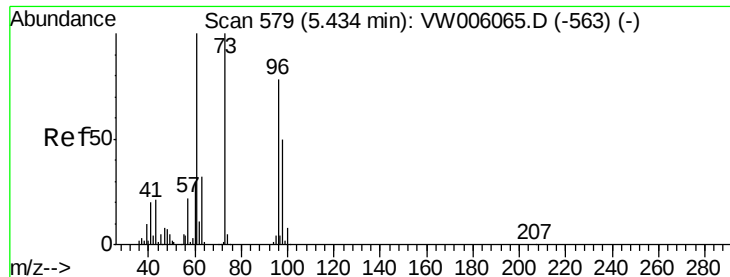
74 27.0 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



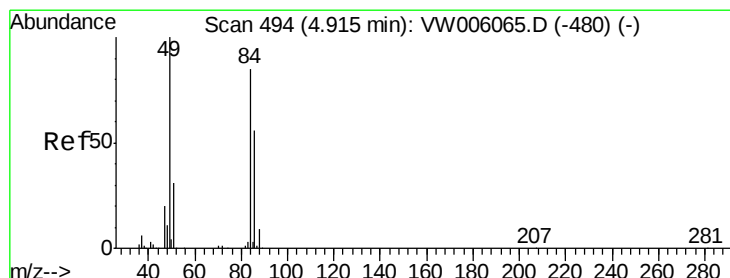
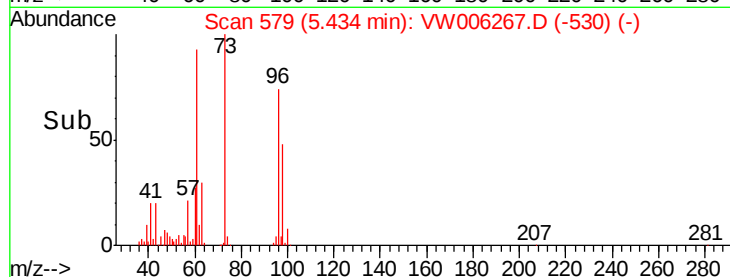
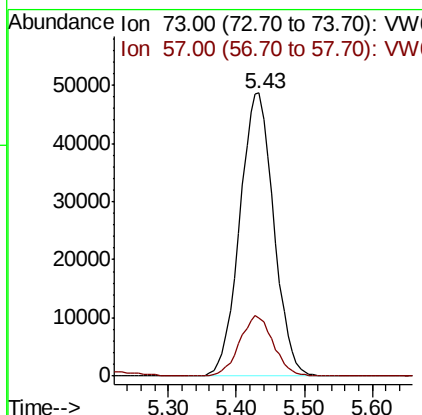
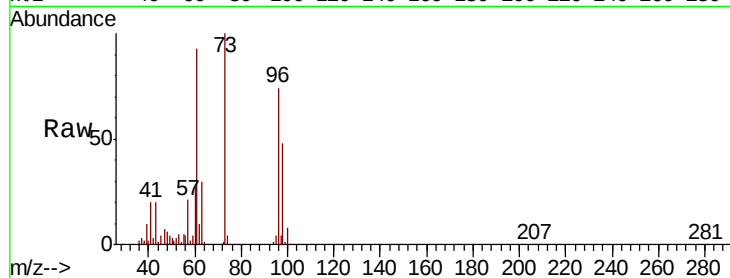


#19

Methyl tert-butyl Ether
 Concen: 54.256 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VW006267.D
 Acq: 22 Oct 2018 23:45

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

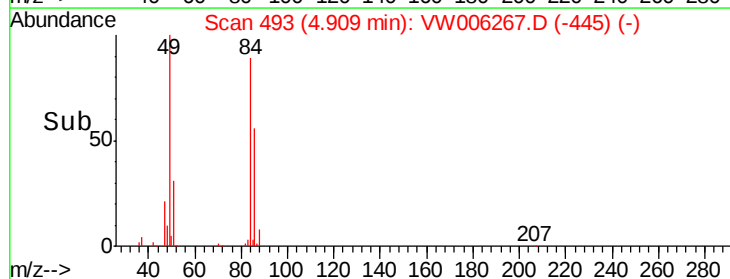
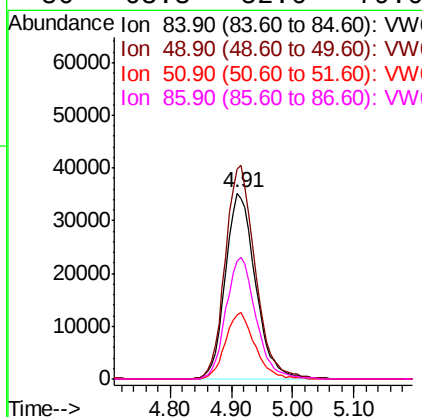
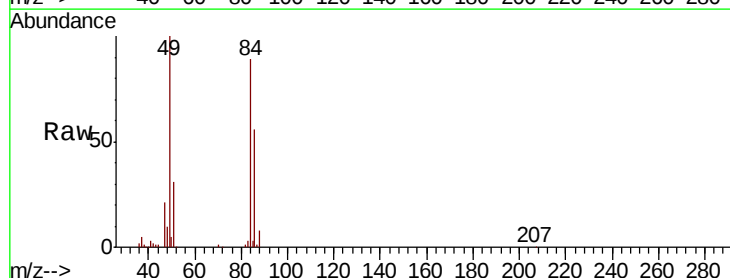
Tot Ion: 73 Resp: 169030
 Ion Ratio Lower Upper
 73 100
 57 20.7 17.4 26.2

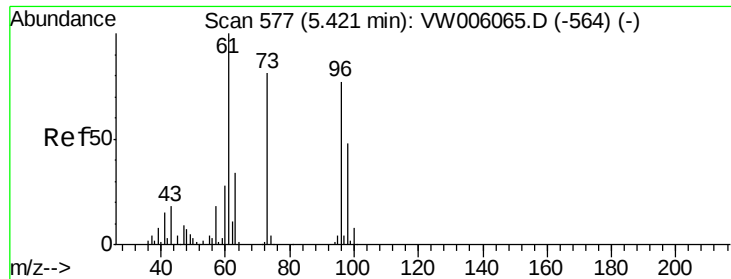


#20

Methylene Chloride
 Concen: 56.009 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW006267.D
 Acq: 22 Oct 2018 23:45

Tgt Ion: 84 Resp: 119861
 Ion Ratio Lower Upper
 84 100
 49 112.6 93.6 140.4
 51 34.6 29.0 43.4
 86 63.3 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 54.658 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

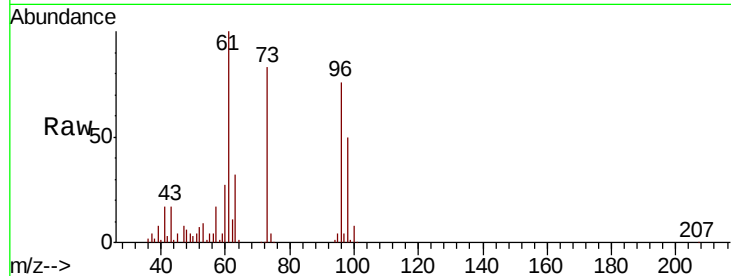
Tot Ion: 96 Resp: 124792

Ion Ratio Lower Upper

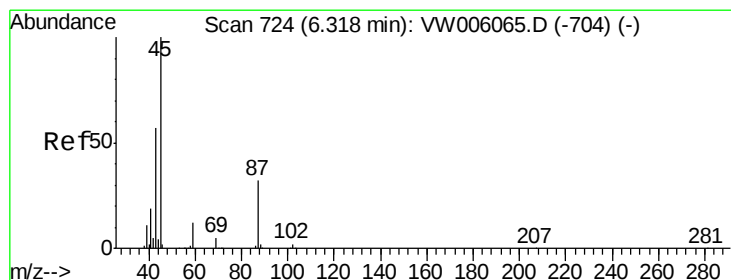
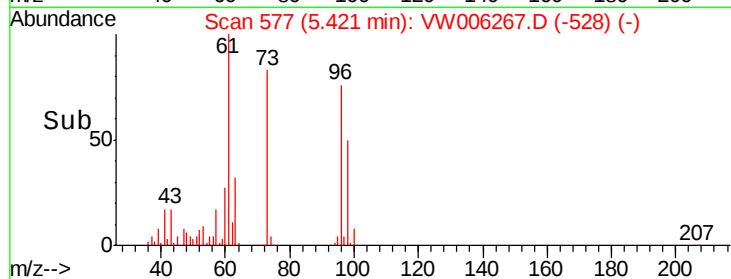
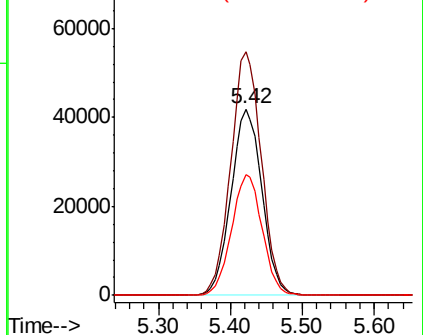
96 100

61 130.8 104.5 156.7

98 64.9 50.6 75.8



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 54.681 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Tgt Ion: 45 Resp: 316035

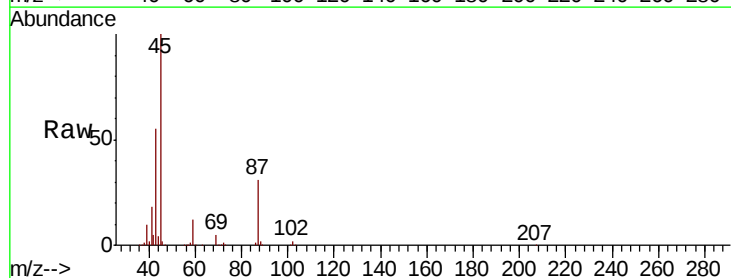
Ion Ratio Lower Upper

45 100

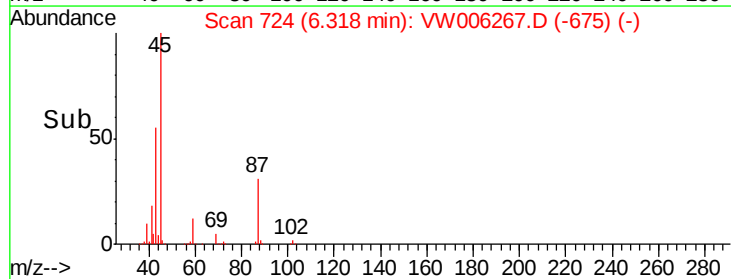
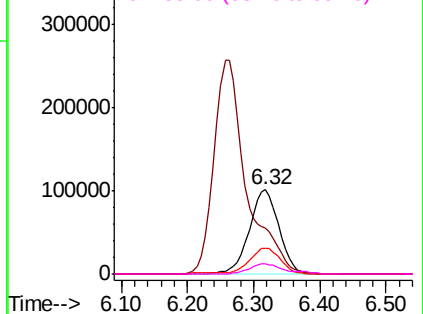
43 54.3 45.7 68.5

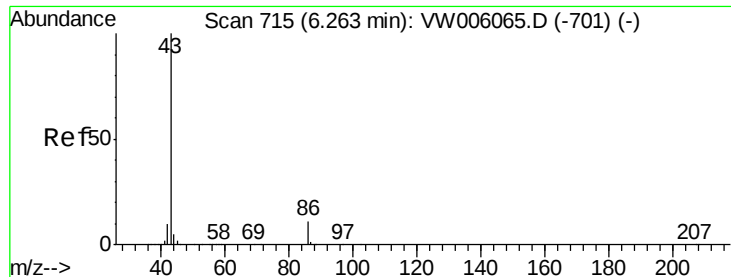
87 31.0 25.9 38.9

59 11.9 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 256.869 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

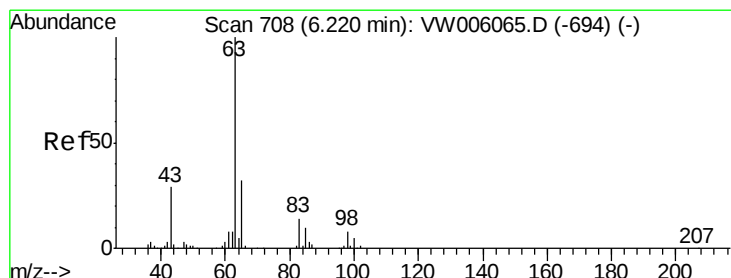
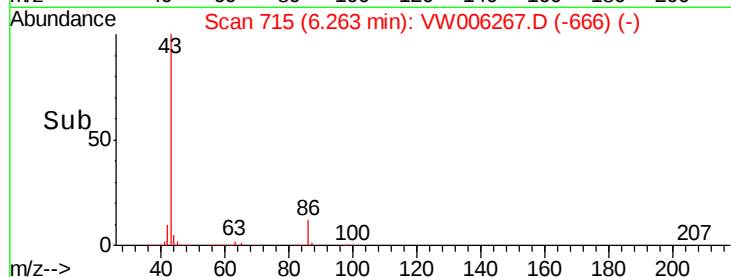
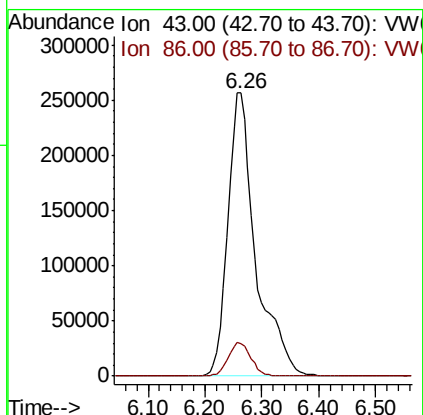
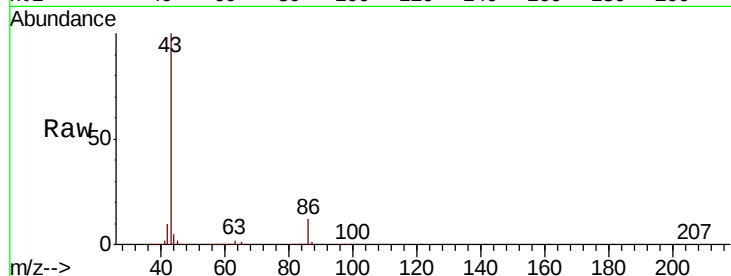
VSTDCCC050

Tot Ion: 43 Resp: 876144

Ion Ratio Lower Upper

43 100

86 11.7 9.0 13.6



#24

1,1-Dichloroethane

Concen: 55.982 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

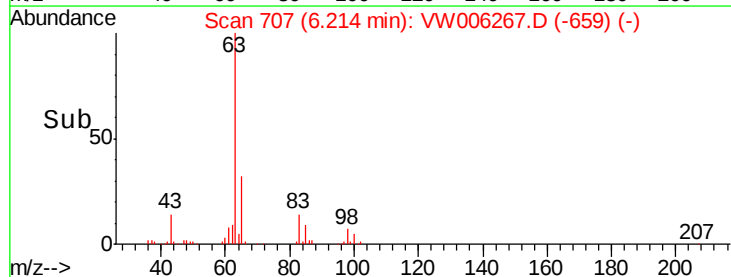
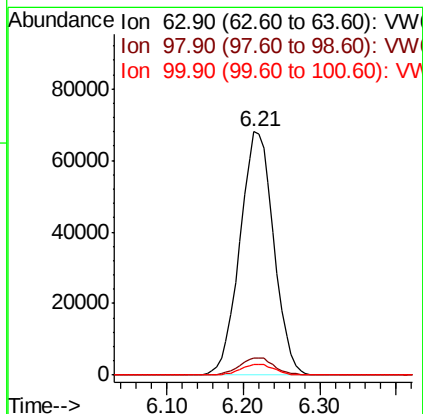
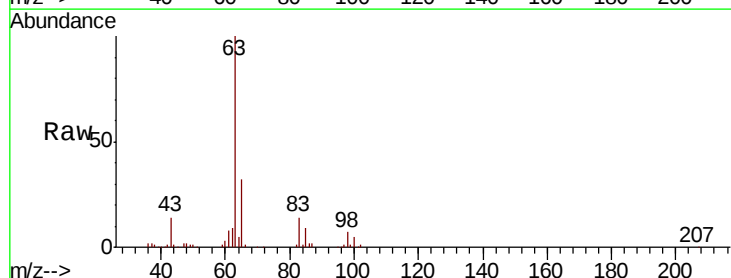
Tgt Ion: 63 Resp: 208776

Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.2

100 4.6 2.5 7.5





#25

2-Butanone

Concen: 253.271 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

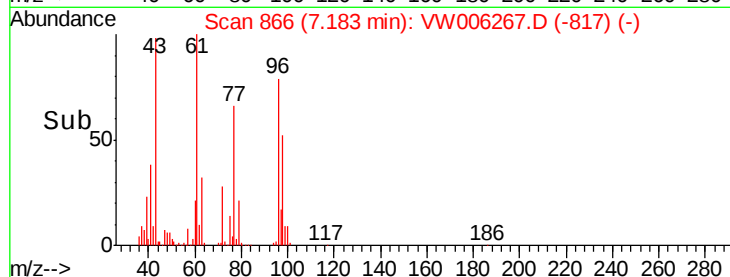
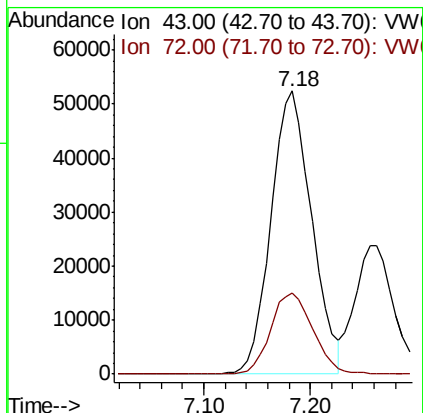
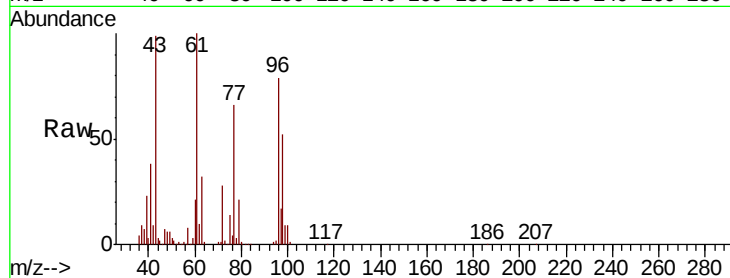
VSTDCCC050

Tot Ion: 43 Resp: 138867

Ion Ratio Lower Upper

43 100

72 28.5 22.8 34.2



#26

2,2-Dichloropropane

Concen: 49.496 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006267.D

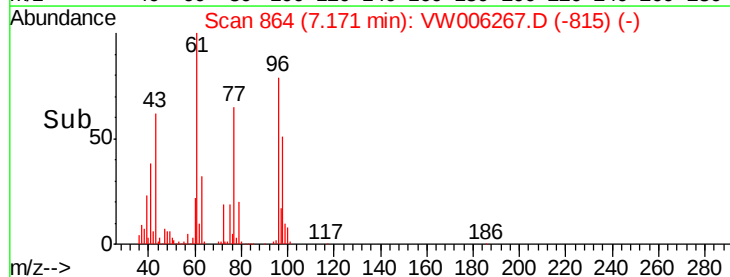
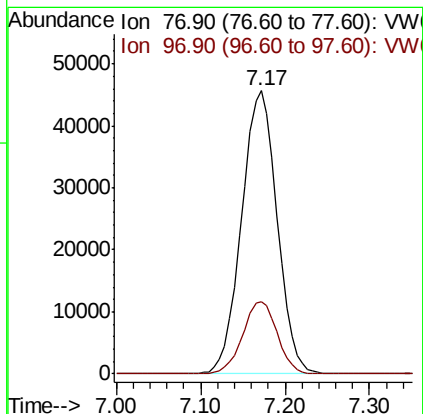
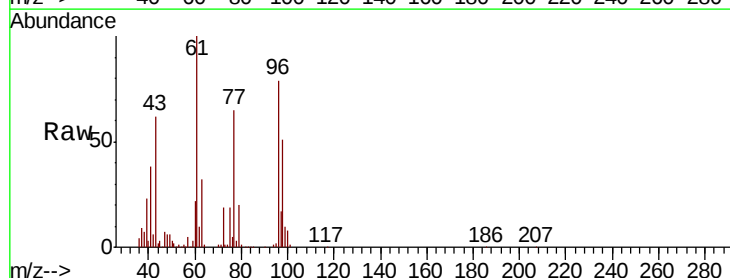
Acq: 22 Oct 2018 23:45

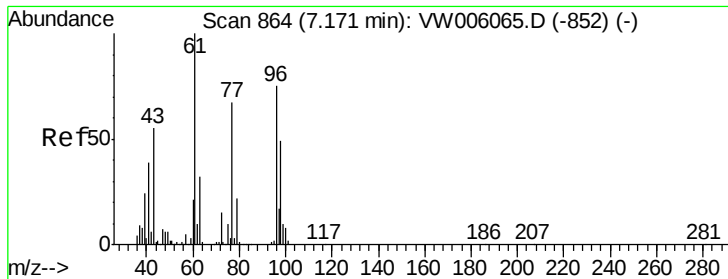
Tgt Ion: 77 Resp: 130189

Ion Ratio Lower Upper

77 100

97 24.8 12.2 36.4



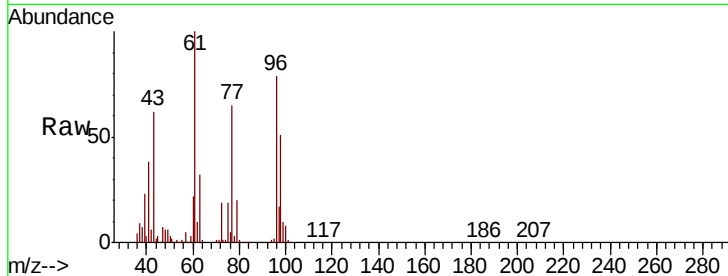


#27

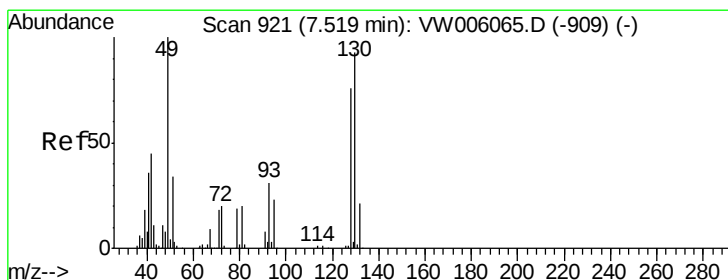
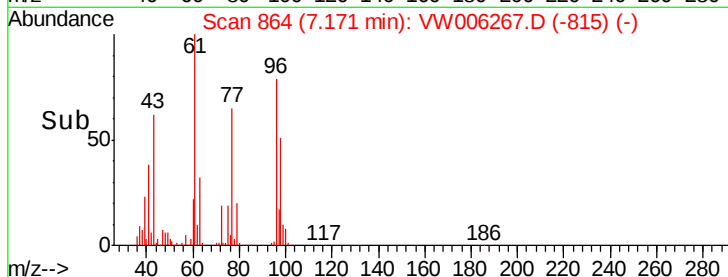
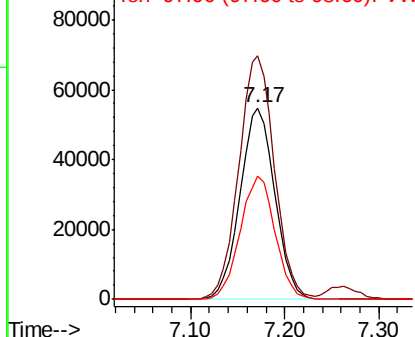
cis-1,2-Dichloroethene
 Concen: 56.203 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006267.D
 Acq: 22 Oct 2018 23:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.2	0.0	267.2
98	64.5	0.0	128.6



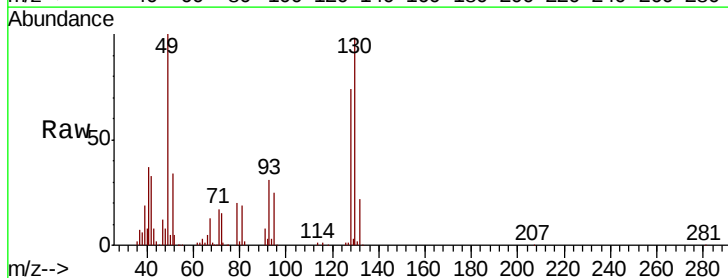
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



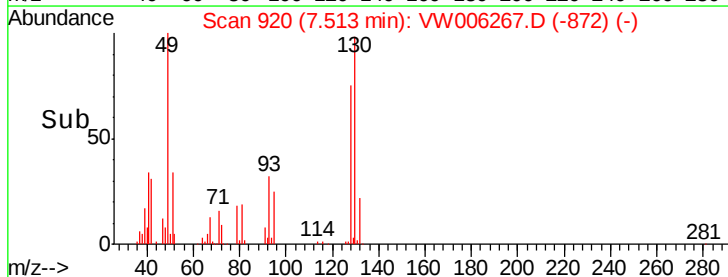
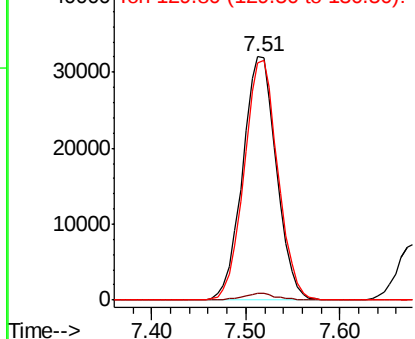
#28

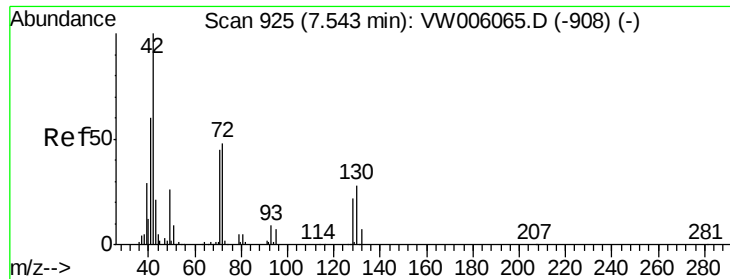
Bromochloromethane
 Concen: 55.980 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006267.D
 Acq: 22 Oct 2018 23:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.0
130	98.1	73.8	110.8



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 260.714 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

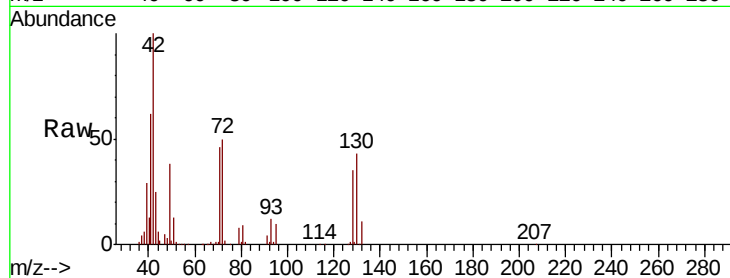
Tot Ion: 42 Resp: 87867

Ion Ratio Lower Upper

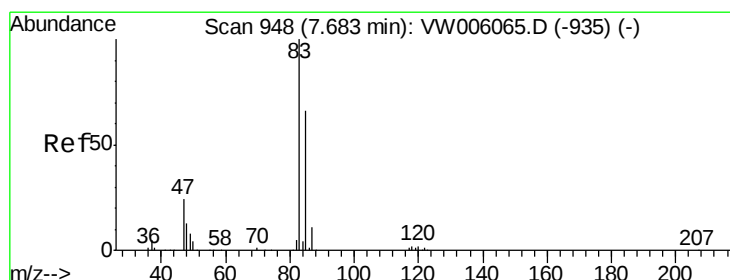
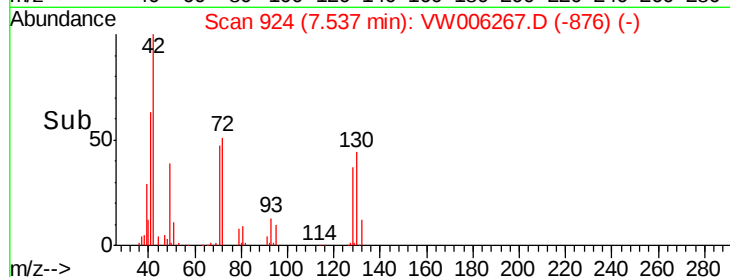
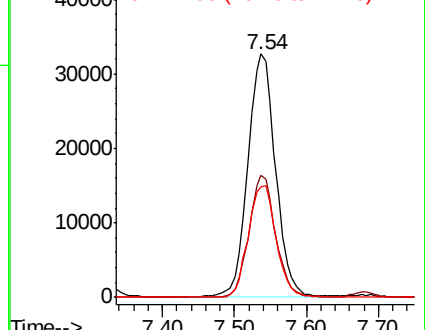
42 100

72 47.8 38.0 57.0

71 45.8 35.3 52.9



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 56.062 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006267.D

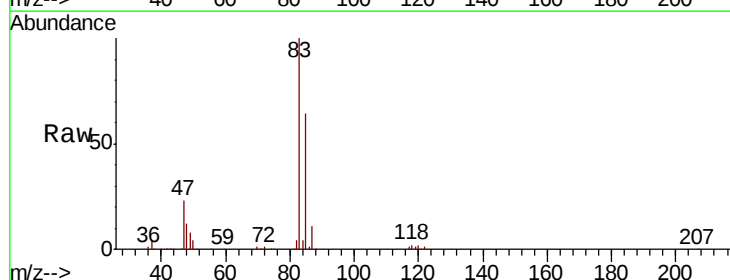
Acq: 22 Oct 2018 23:45

Tgt Ion: 83 Resp: 227789

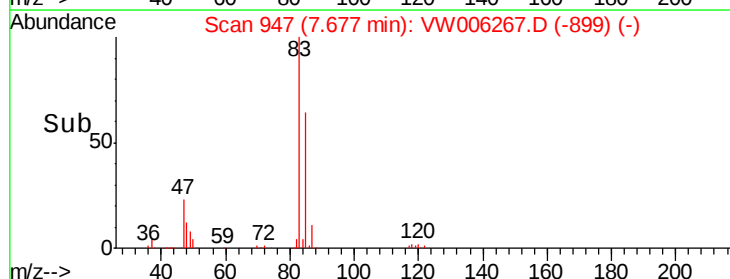
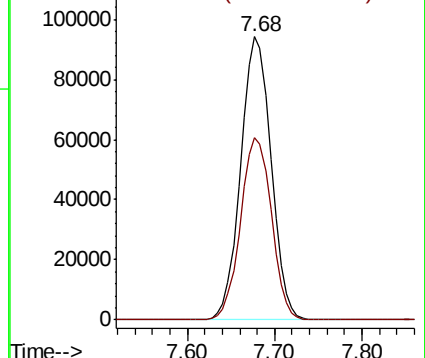
Ion Ratio Lower Upper

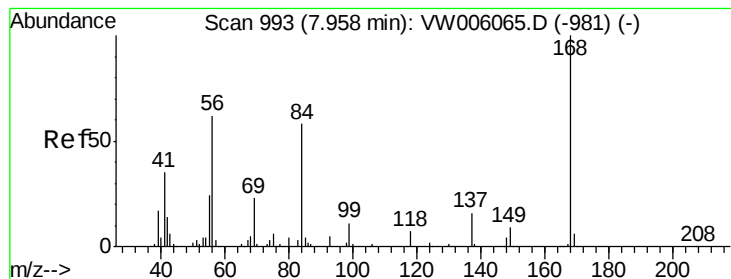
83 100

85 64.4 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 48.696 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

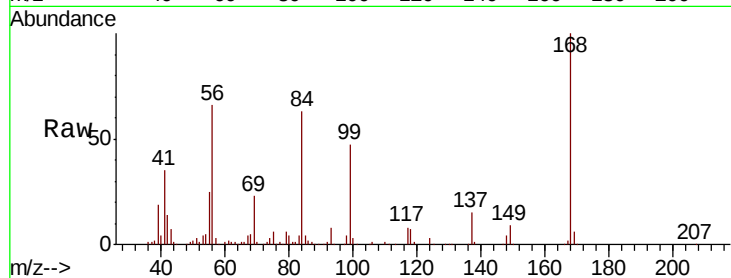
Tot Ion: 56 Resp: 180851

Ion Ratio Lower Upper

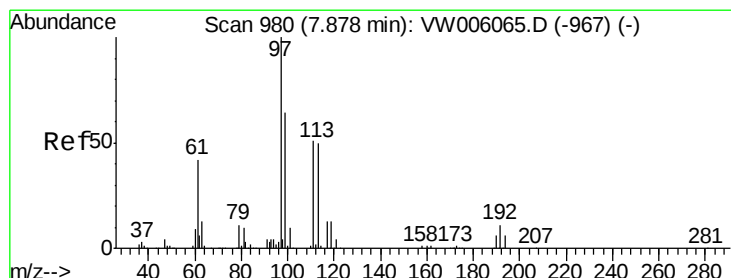
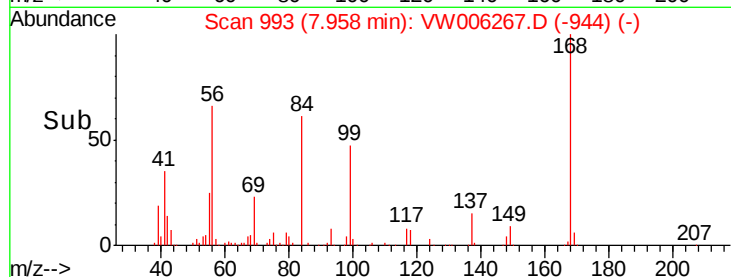
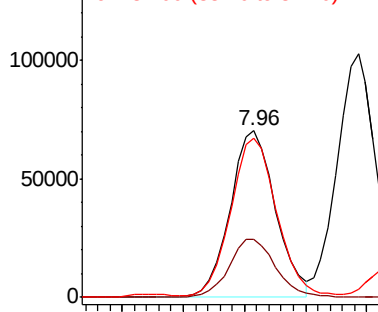
56 100

69 34.9 29.4 44.0

84 93.8 74.0 111.0



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 53.677 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

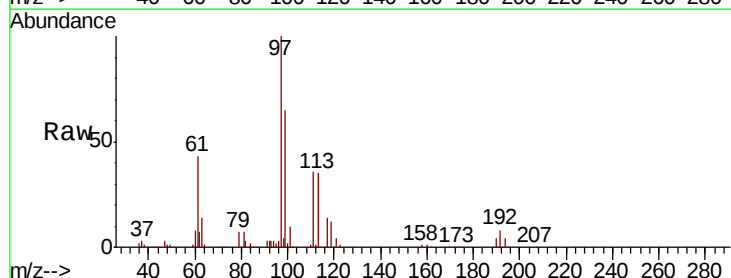
Tgt Ion: 97 Resp: 196737

Ion Ratio Lower Upper

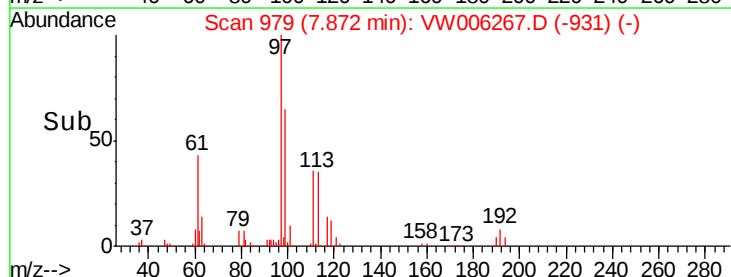
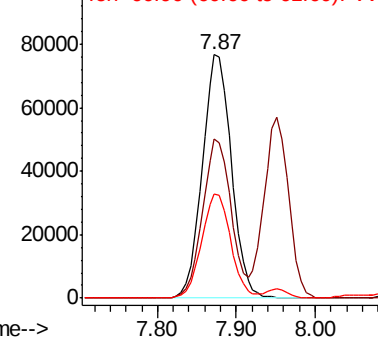
97 100

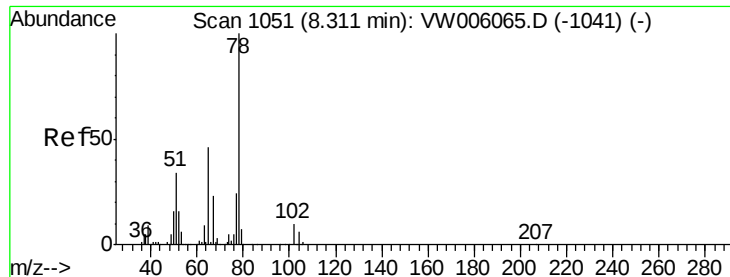
99 64.5 50.9 76.3

61 42.6 33.7 50.5



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 48.216 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

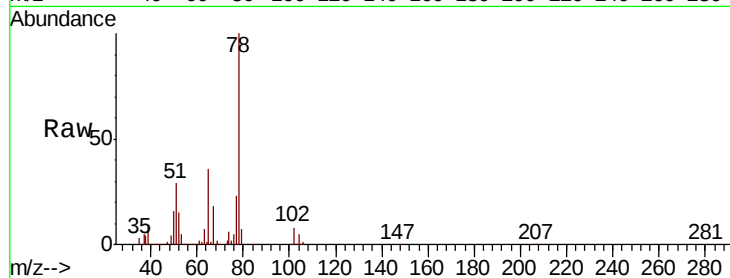
VSTDCCC050

Tot Ion: 65 Resp: 97859

Ion Ratio Lower Upper

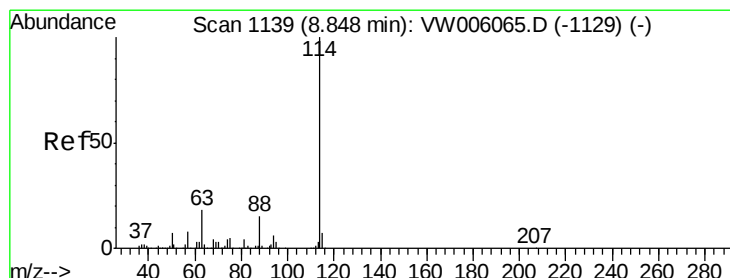
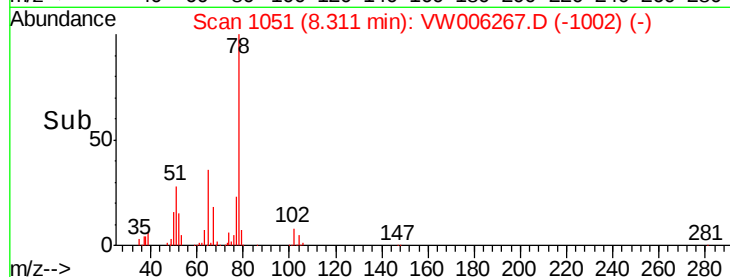
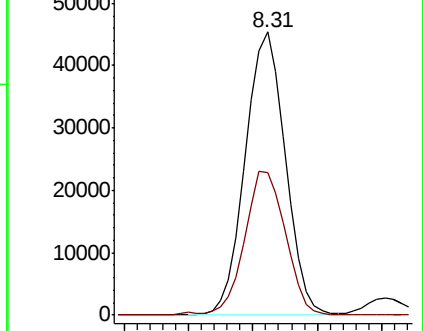
65 100

67 52.0 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

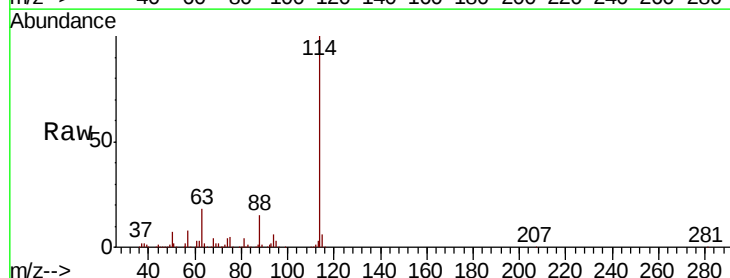
Tgt Ion: 114 Resp: 353139

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.8

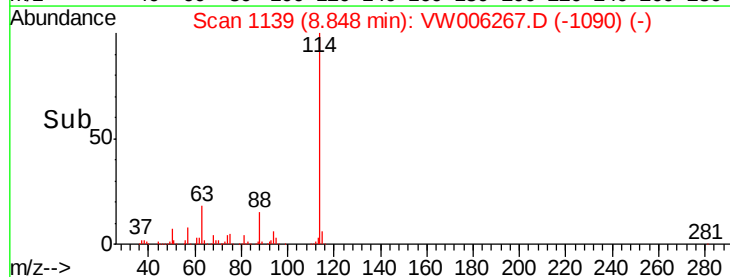
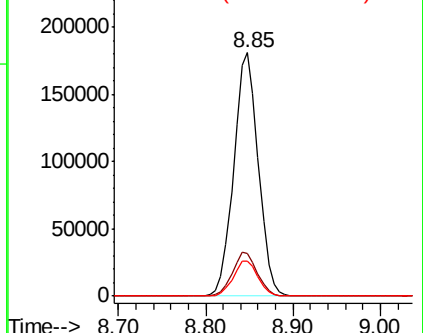
88 14.6 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

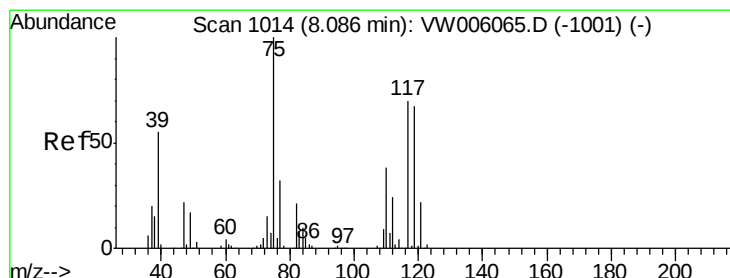
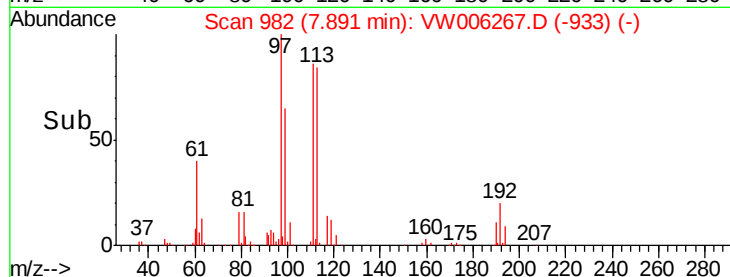
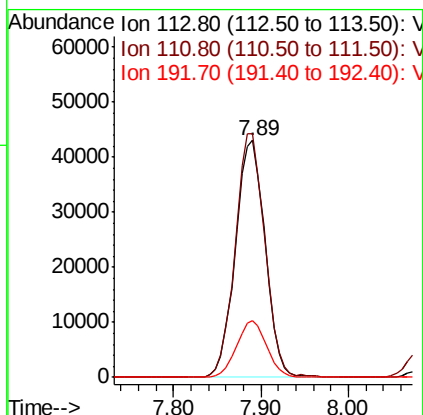
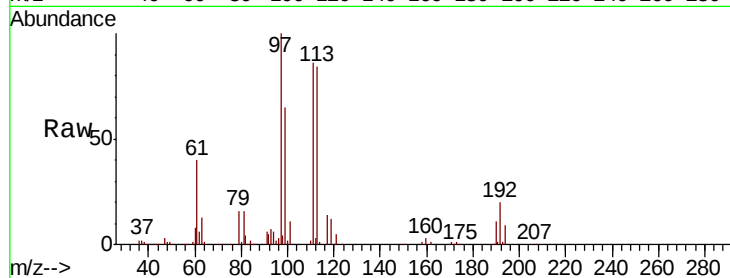




#35
 Dibromofluoromethane
 Concen: 48.949 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006267.D
 Acq: 22 Oct 2018 23:45

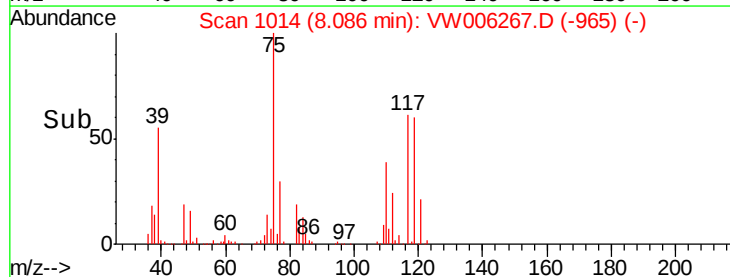
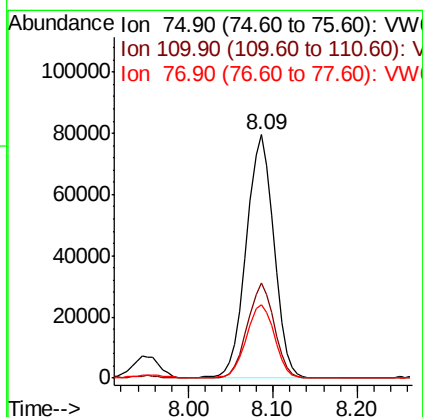
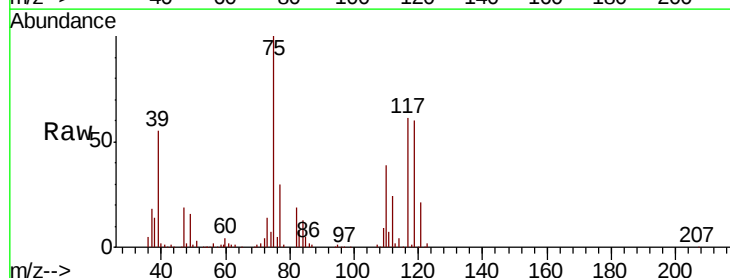
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

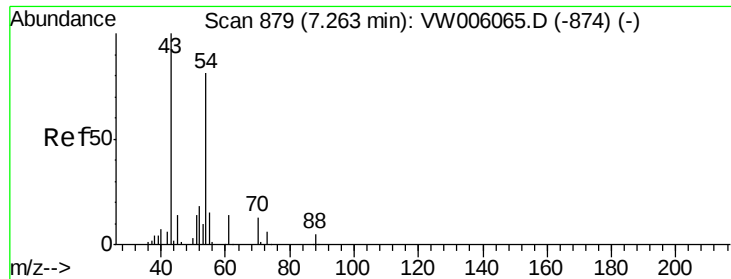
Tot Ion:113 Resp: 102140
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.4 122.0
 192 23.8 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 54.054 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006267.D
 Acq: 22 Oct 2018 23:45

Tgt Ion: 75 Resp: 175942
 Ion Ratio Lower Upper
 75 100
 110 37.9 19.1 57.1
 77 31.0 25.0 37.4

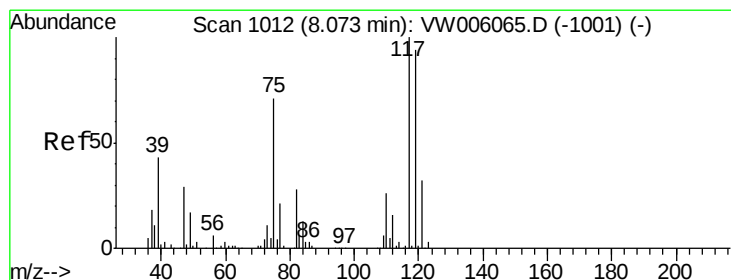
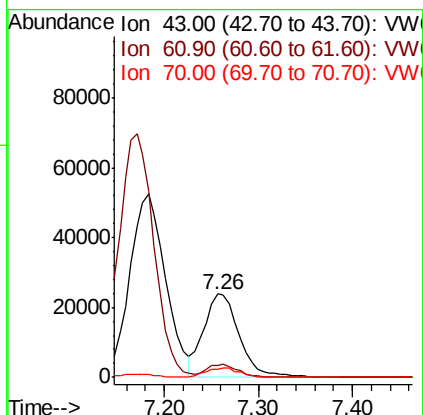
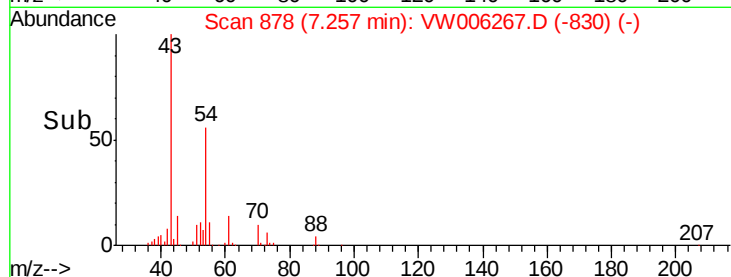
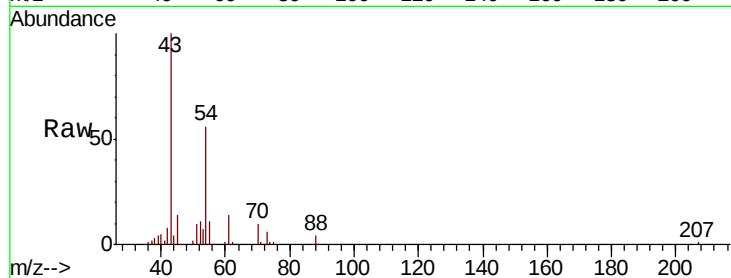




#37
Ethyl Acetate
Concen: 51.221 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

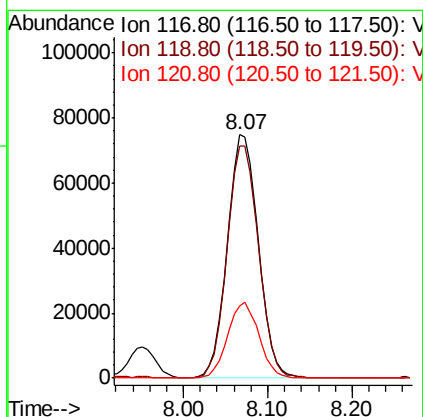
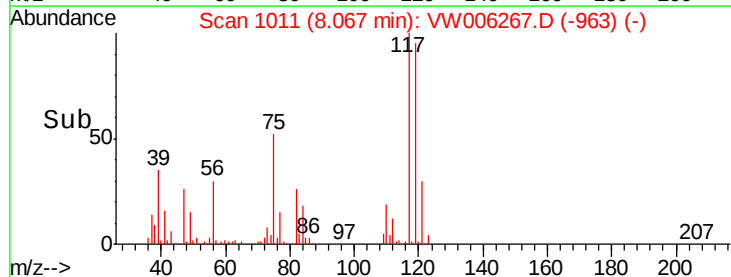
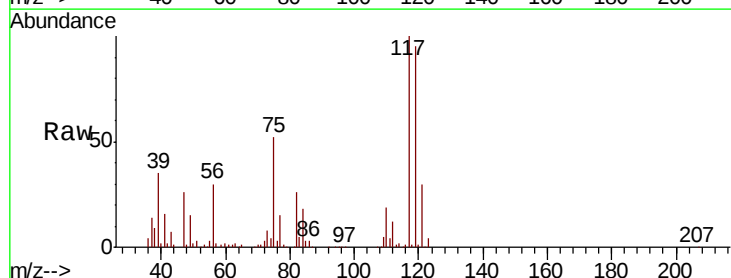
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

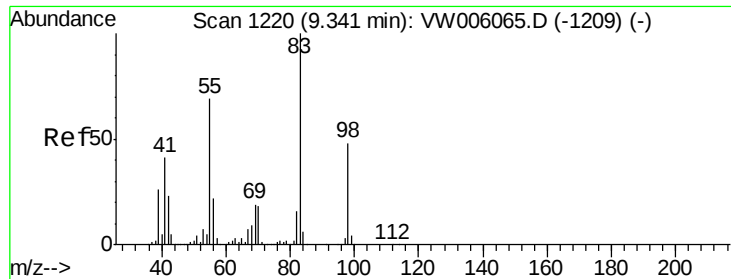
Tot Ion: 43 Resp: 61944
Ion Ratio Lower Upper
43 100
61 14.1 11.5 17.3
70 11.2 9.2 13.8



#38
Carbon Tetrachloride
Concen: 52.314 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

Tgt Ion: 117 Resp: 186668
Ion Ratio Lower Upper
117 100
119 95.3 75.2 112.8
121 29.5 25.3 37.9

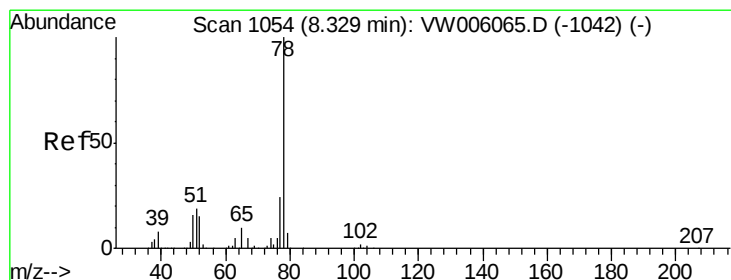
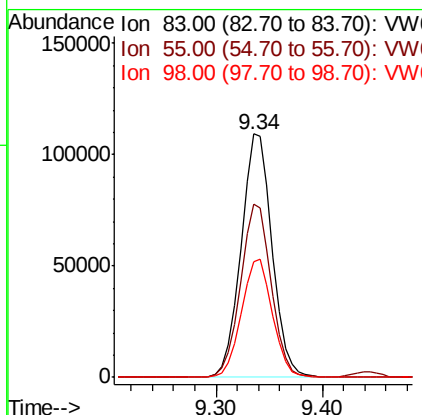
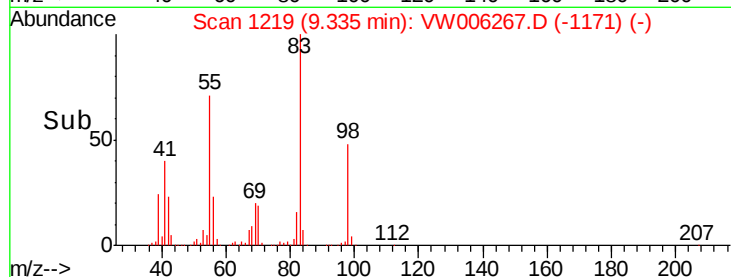
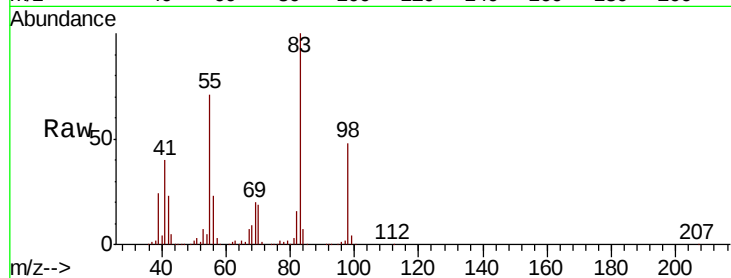




#39
Methvlcvclohexane
Concen: 51.615 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

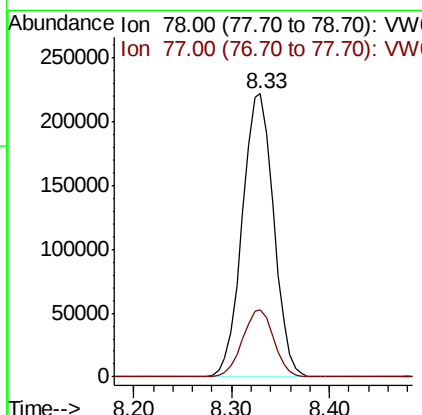
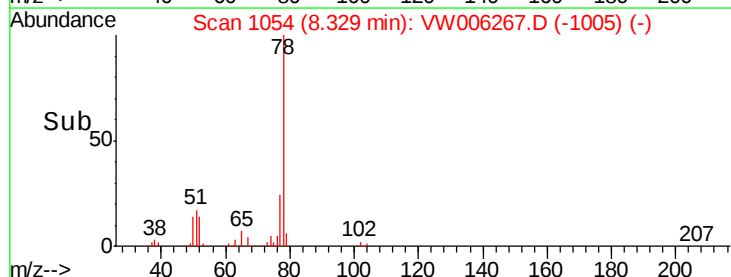
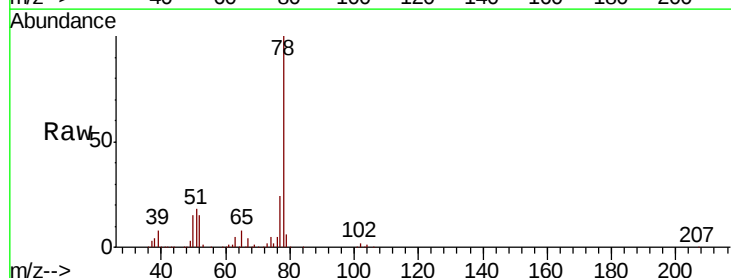
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

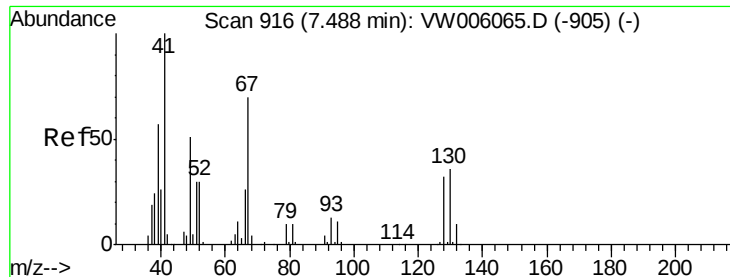
Tot Ion: 83 Resp: 223323
Ion Ratio Lower Upper
83 100
55 71.4 55.0 82.6
98 47.6 38.6 57.8



#40
Benzene
Concen: 55.438 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

Tgt Ion: 78 Resp: 494987
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.0

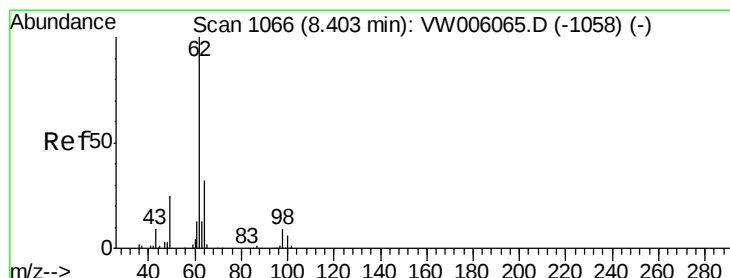
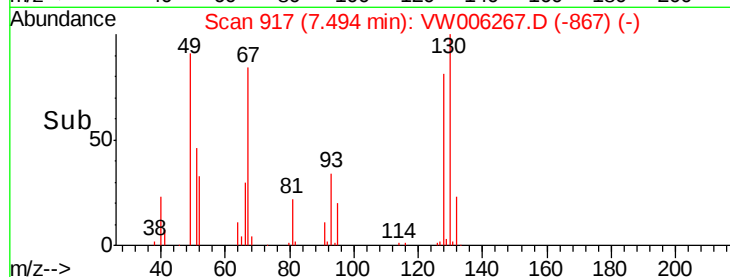
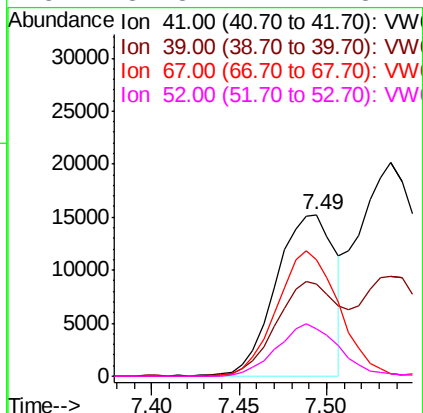
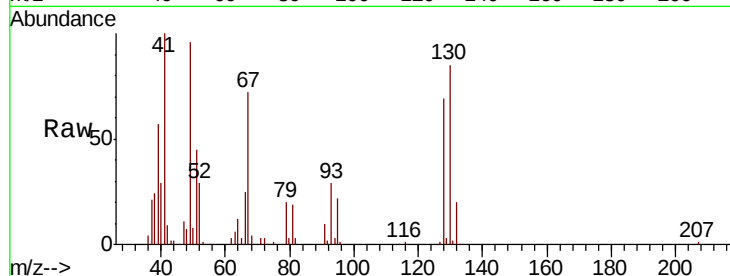




#41
Methacrylonitrile
Concen: 49.299 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

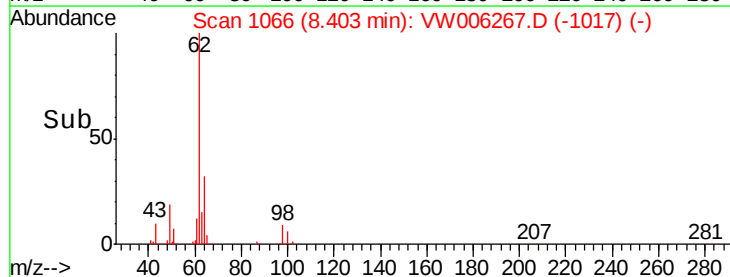
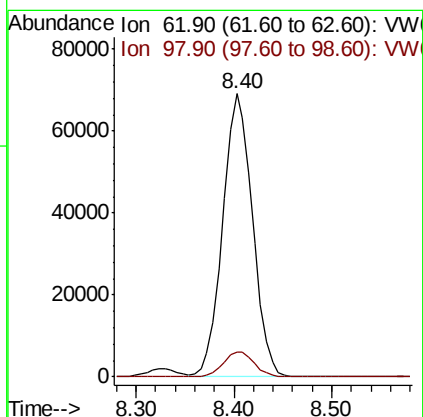
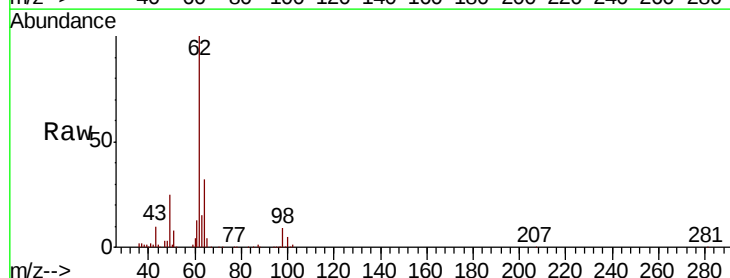
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

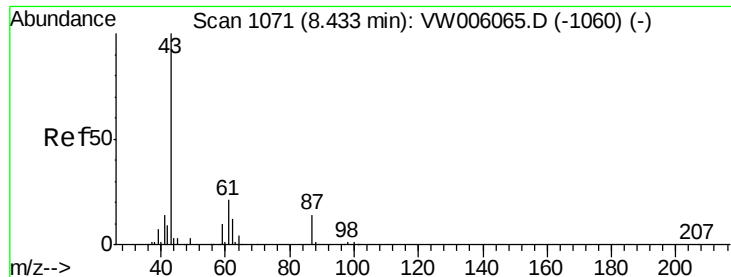
Tot Ion:	41	Resp:	35941
Ion	Ratio	Lower	Upper
41	100		
39	63.9	46.2	69.4
67	81.2	57.7	86.5
52	34.3	24.7	37.1



#42
1,2-Dichloroethane
Concen: 55.633 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

Tgt Ion:	62	Resp:	145936
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4





#43

Isopropyl Acetate

Concen: 50.584 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

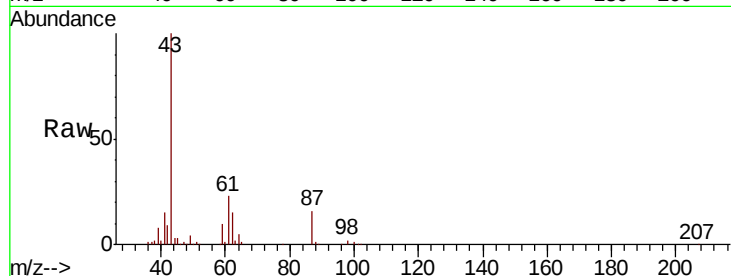
Tot Ion: 43 Resp: 125078

Ion Ratio Lower Upper

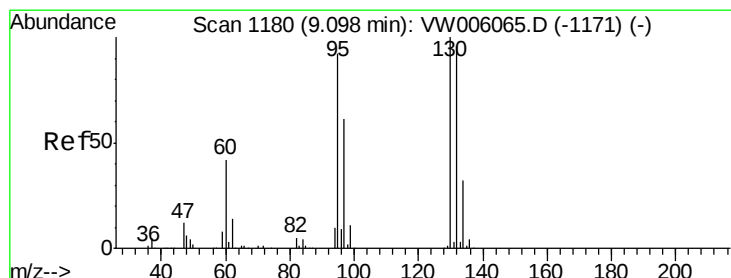
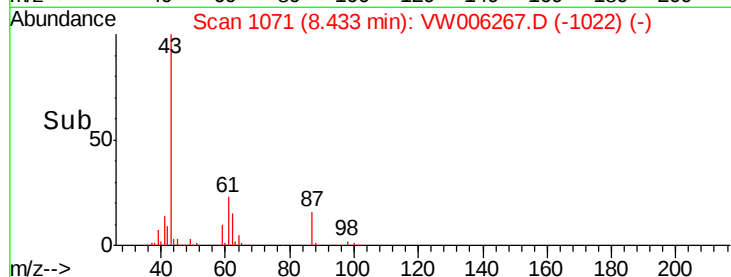
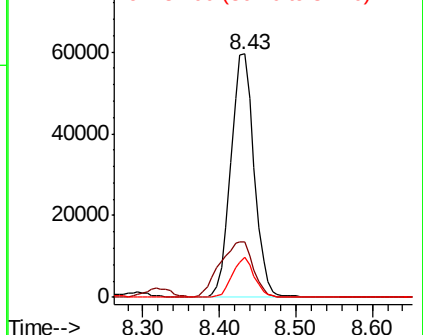
43 100

61 32.7 25.5 38.3

87 15.3 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 55.165 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006267.D

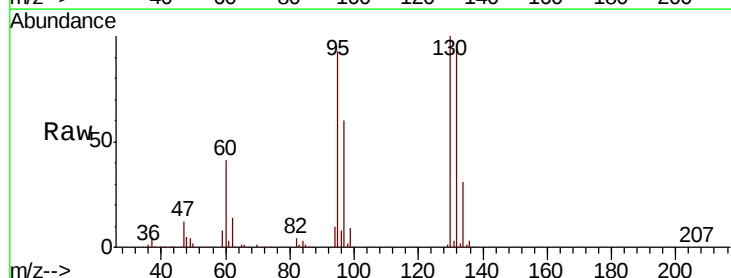
Acq: 22 Oct 2018 23:45

Tgt Ion: 130 Resp: 151111

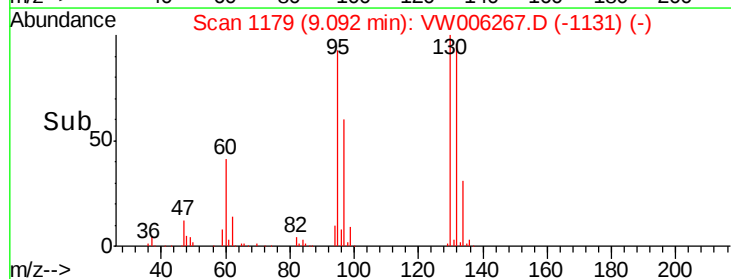
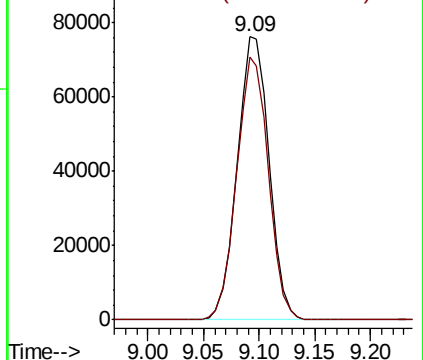
Ion Ratio Lower Upper

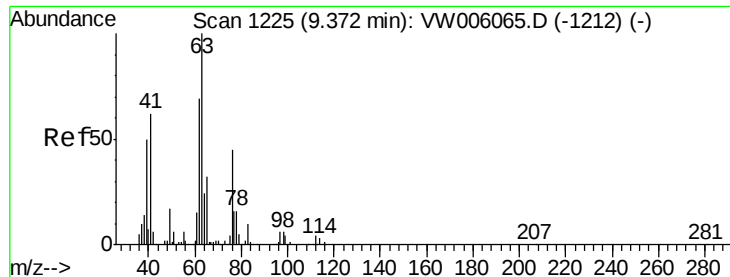
130 100

95 92.7 0.0 183.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

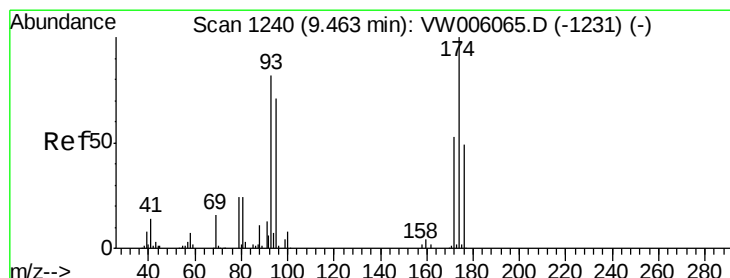
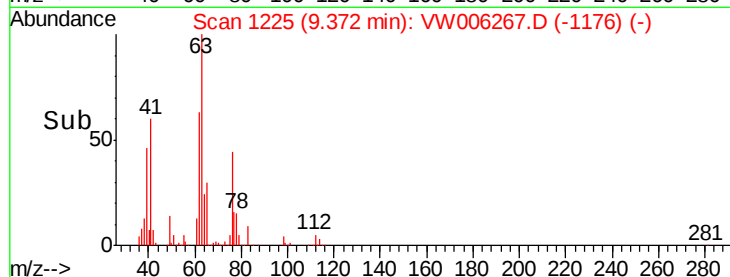
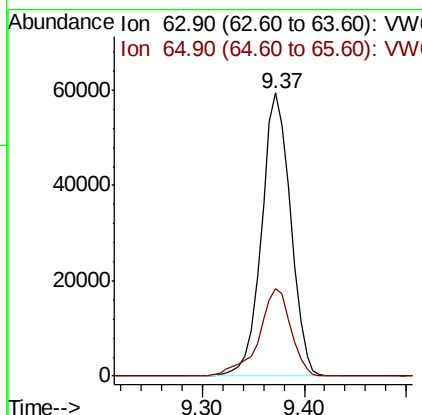
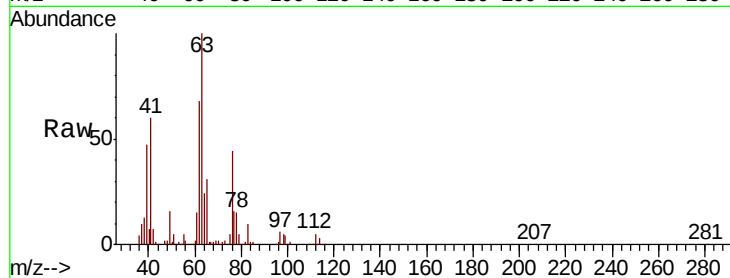




#45
 1,2-Dichloropropane
 Concen: 54.963 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006267.D
 Acq: 22 Oct 2018 23:45

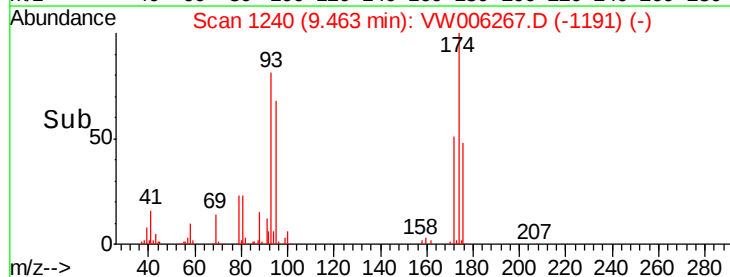
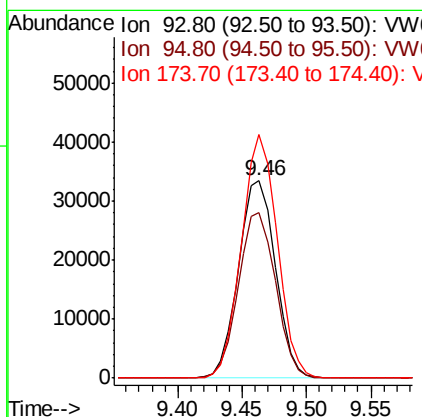
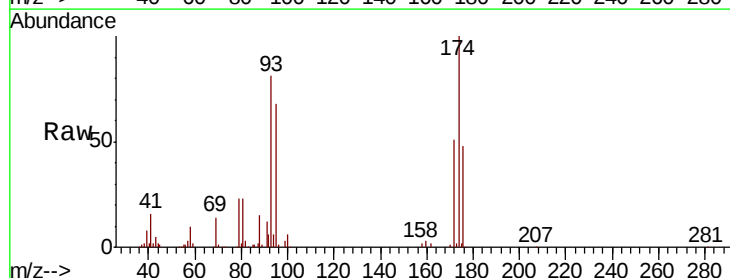
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 117432
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.4 38.0



#46
 Dibromomethane
 Concen: 54.793 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006267.D
 Acq: 22 Oct 2018 23:45

Tgt Ion: 93 Resp: 66723
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.7 101.5
 174 118.8 93.7 140.5





#47

Bromodichloromethane

Concen: 54.142 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

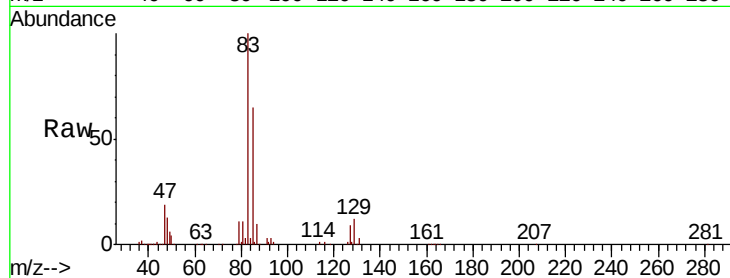
Tot Ion: 83 Resp: 159845

Ion Ratio Lower Upper

83 100

85 65.3 51.8 77.8

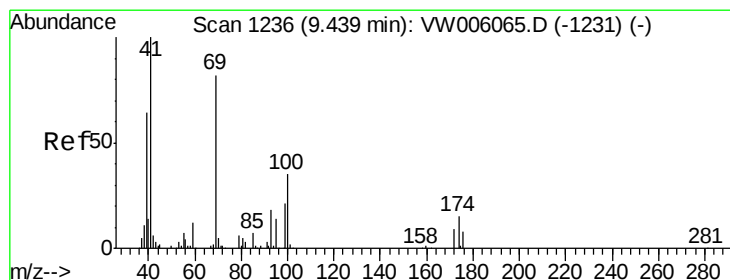
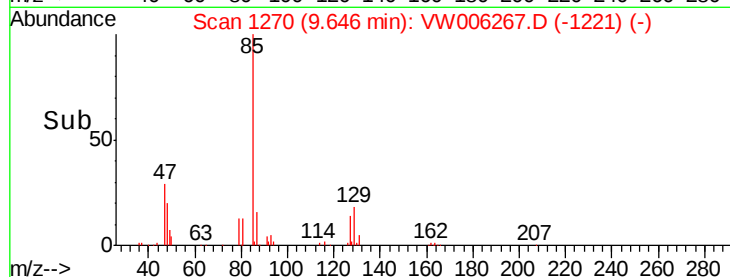
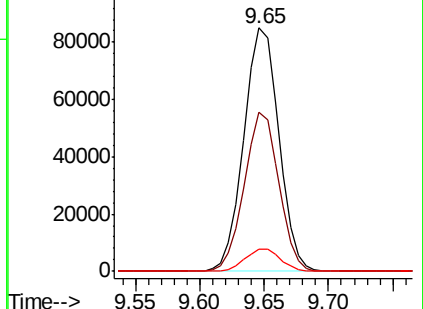
127 9.3 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 52.490 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

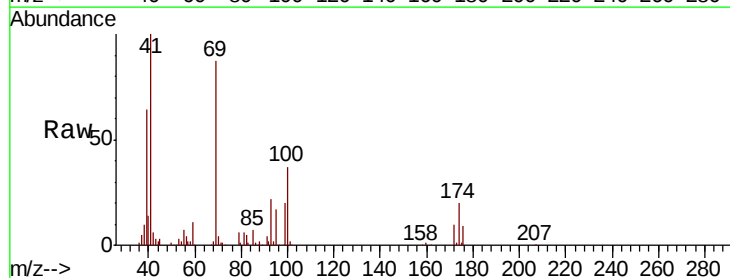
Tgt Ion: 41 Resp: 61522

Ion Ratio Lower Upper

41 100

69 92.7 71.8 107.8

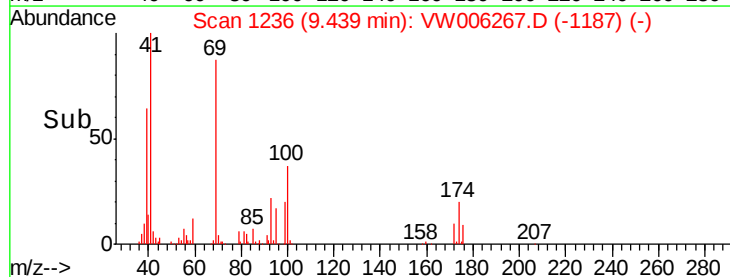
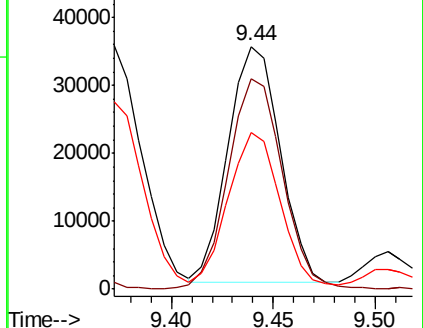
39 63.2 52.5 78.7

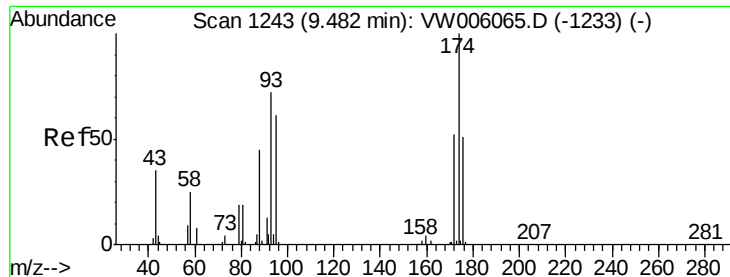


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1130.128 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

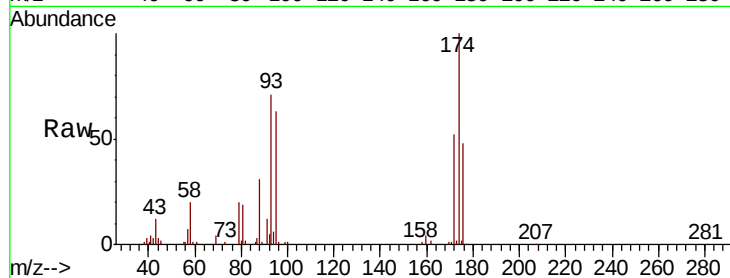
Tot Ion: 88 Resp: 21186

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

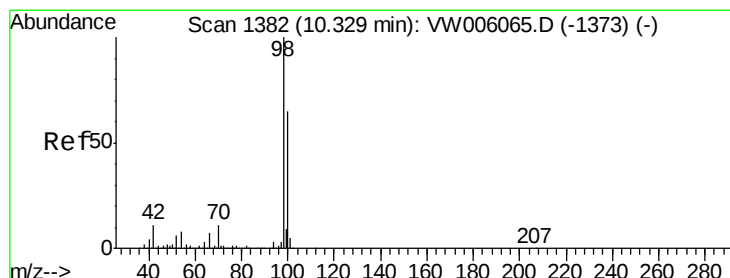
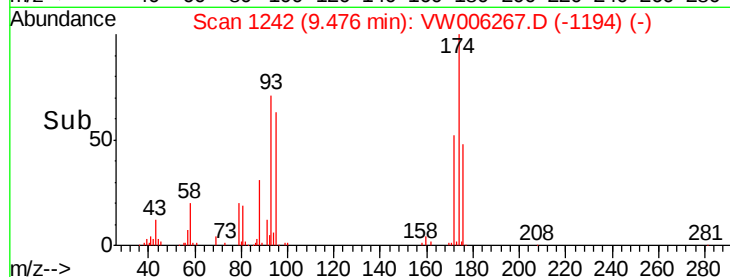
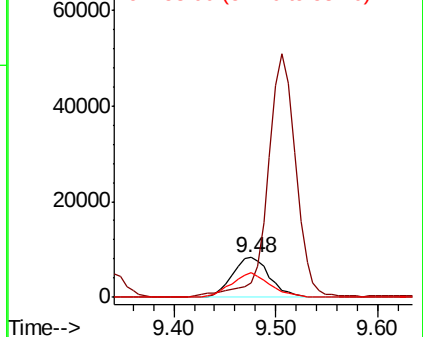
58 65.4 51.2 76.8



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 48.214 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006267.D

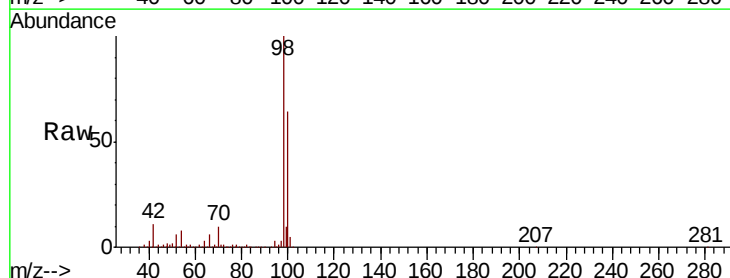
Acq: 22 Oct 2018 23:45

Tgt Ion: 98 Resp: 382764

Ion Ratio Lower Upper

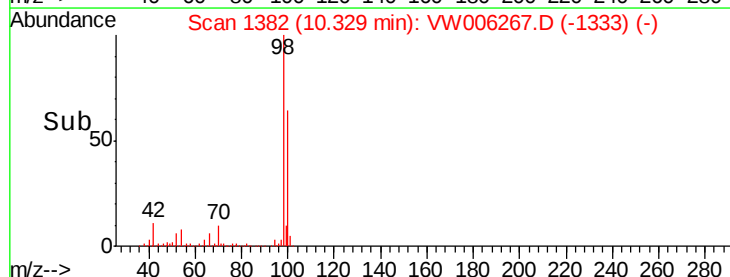
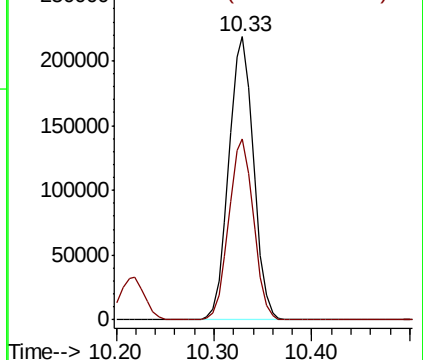
98 100

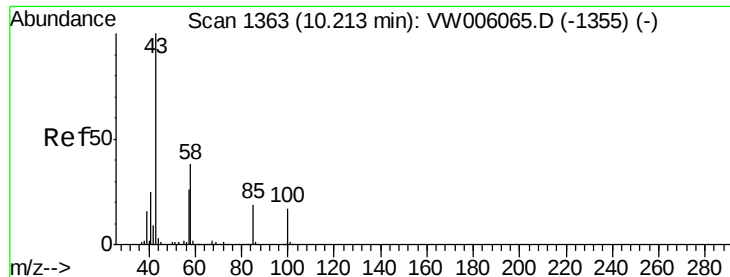
100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

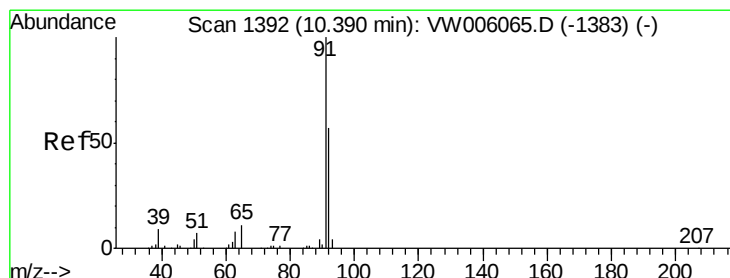
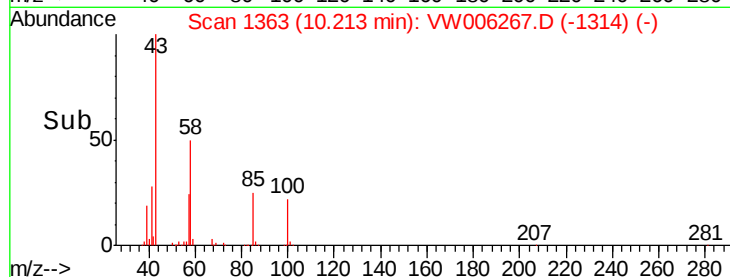
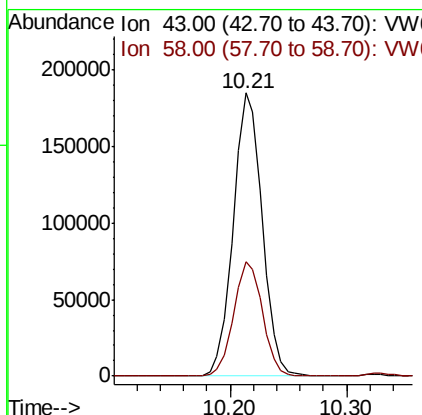
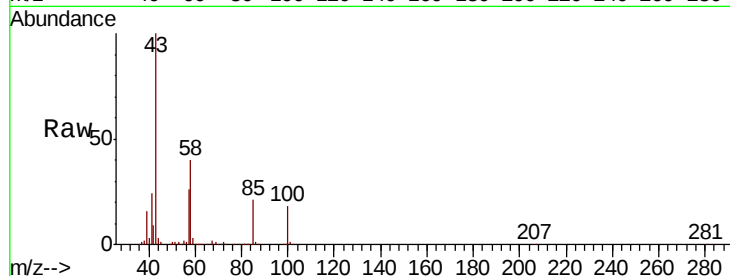




#51
4-Methyl-2-Pentanone
Concen: 259.027 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

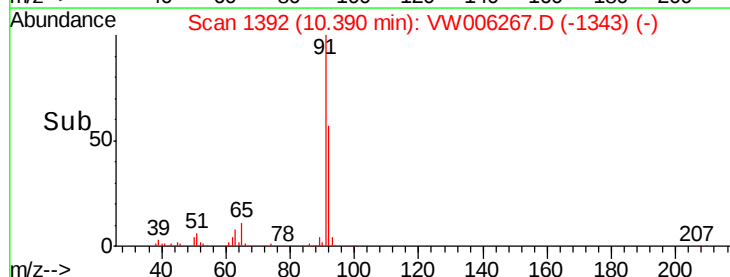
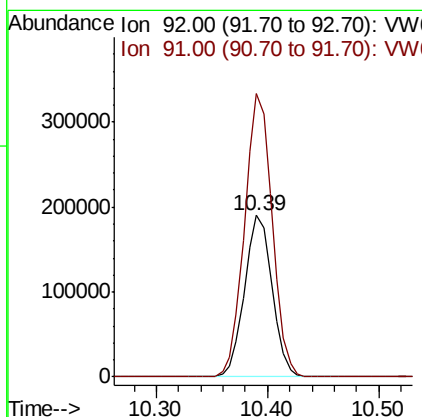
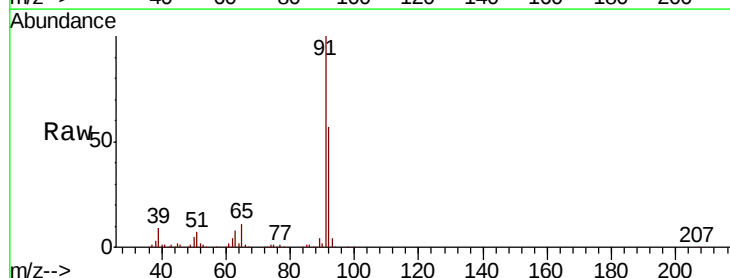
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

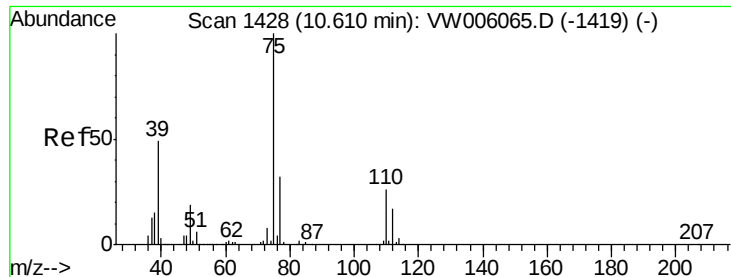
Tot Ion: 43 Resp: 320909
Ion Ratio Lower Upper
43 100
58 40.4 31.5 47.3



#52
Toluene
Concen: 54.780 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

Tgt Ion: 92 Resp: 327910
Ion Ratio Lower Upper
92 100
91 175.1 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 52.660 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampled :

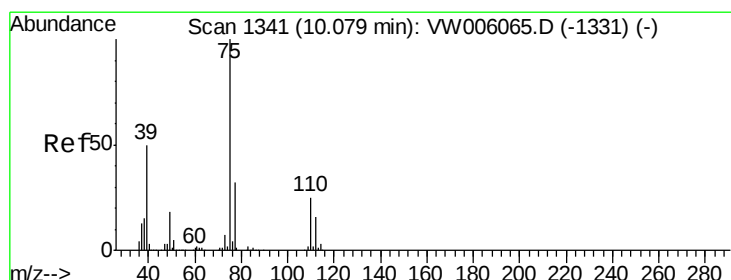
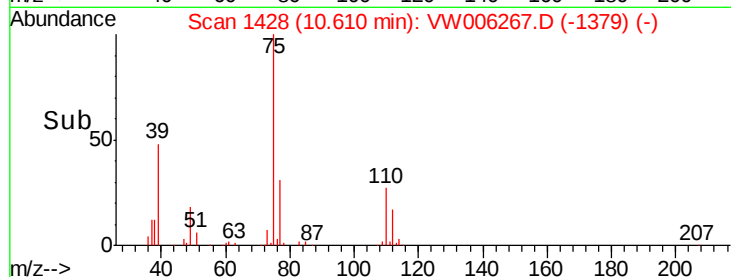
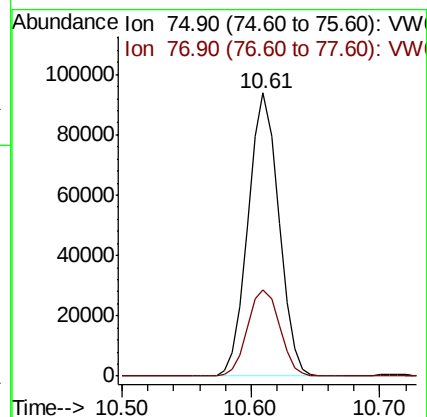
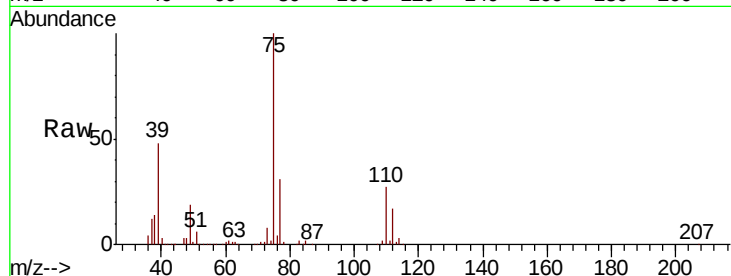
VSTDCCC050

Tot Ion: 75 Resp: 154899

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 53.587 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

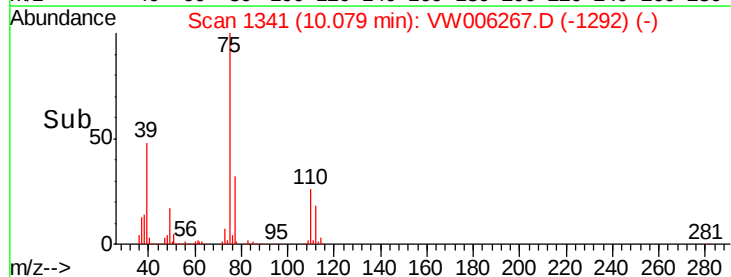
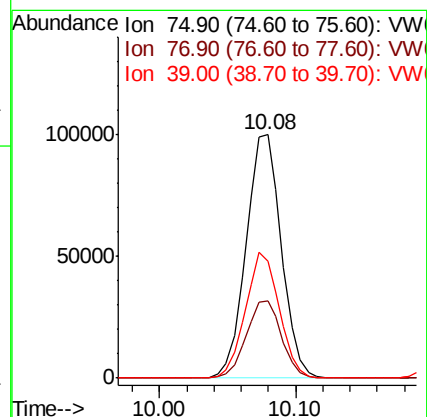
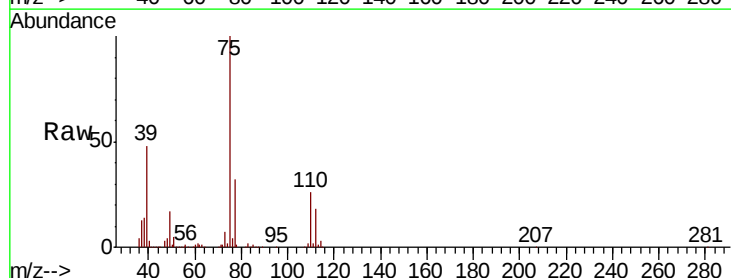
Tgt Ion: 75 Resp: 180905

Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 48.1 39.9 59.9





#55

1,1,2-Trichloroethane

Concen: 55.353 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 94326

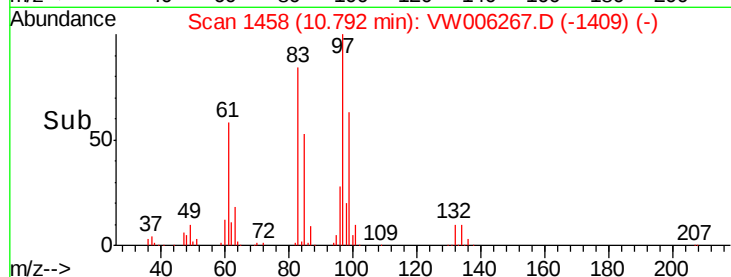
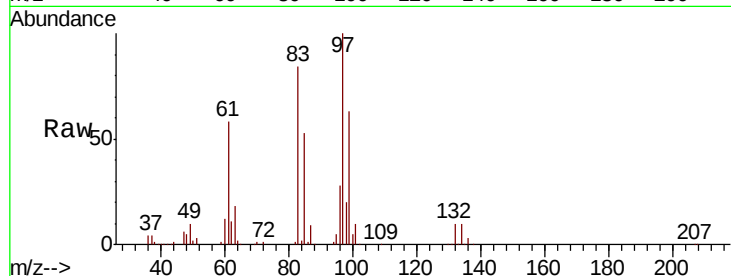
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.2	100.8
85	53.2	43.7	65.5
99	62.8	48.5	72.7

97 100

83 84.4 67.2 100.8

85 53.2 43.7 65.5

99 62.8 48.5 72.7



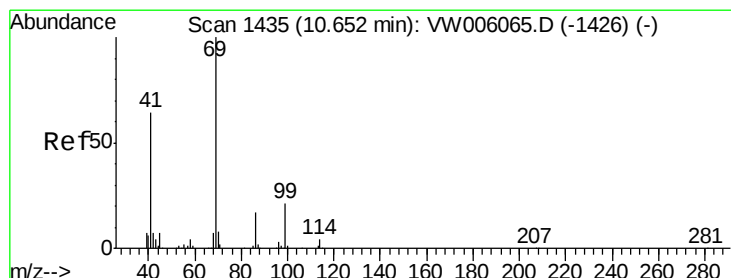
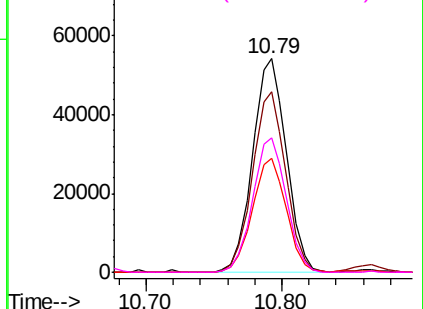
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 53.097 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

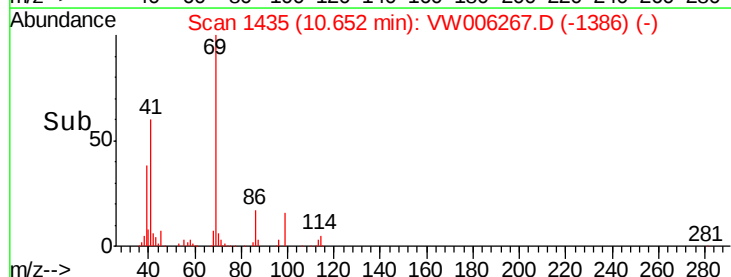
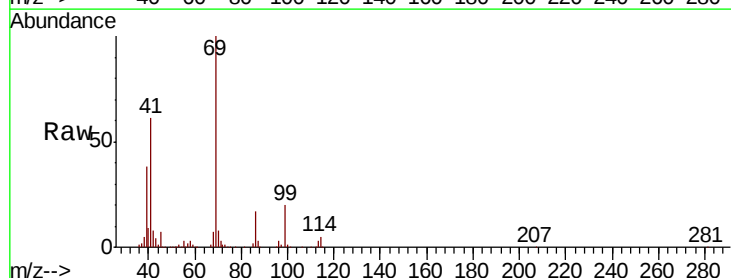
Tgt Ion: 69 Resp: 110924

Ion	Ratio	Lower	Upper
69	100		
41	64.0	52.8	79.2
39	34.8	30.6	45.8

69 100

41 64.0 52.8 79.2

39 34.8 30.6 45.8

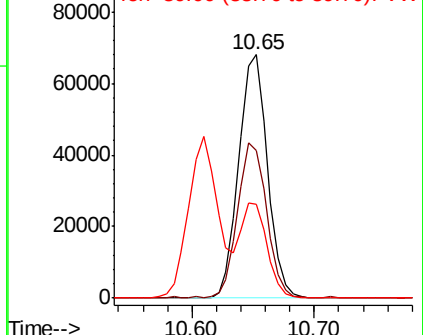


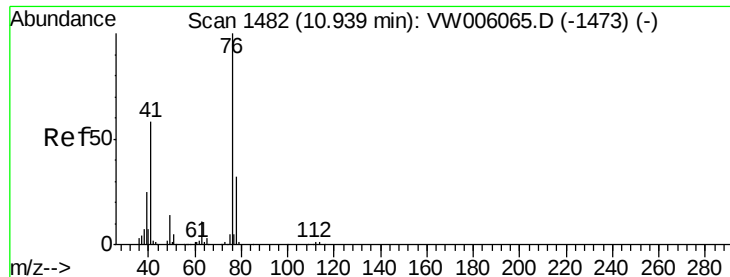
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

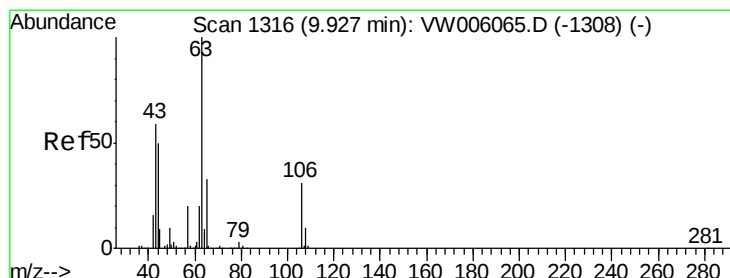
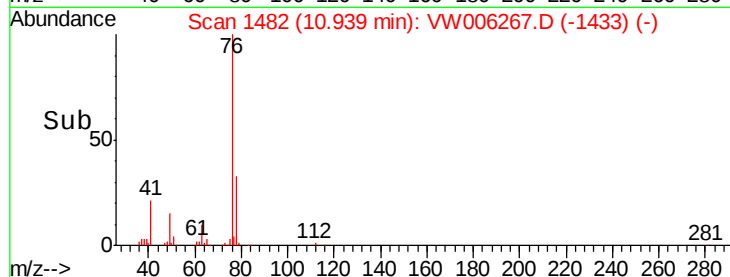
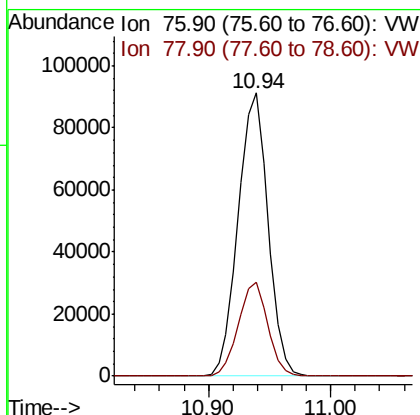
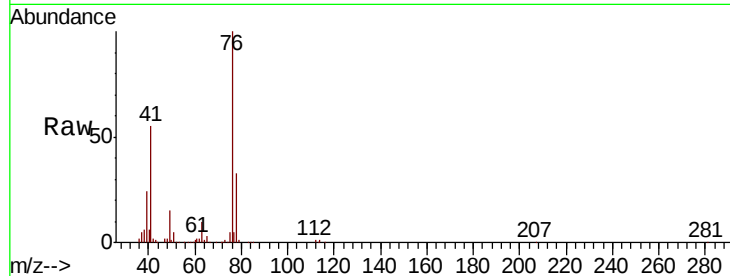




#57
 1,3-Dichloropropane
 Concen: 54.800 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.00 min
 Lab File: VW006267.D
 Acq: 22 Oct 2018 23:45

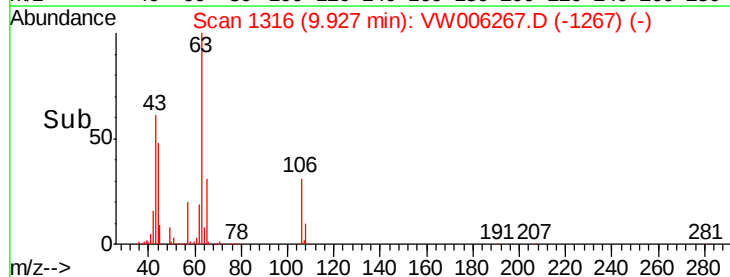
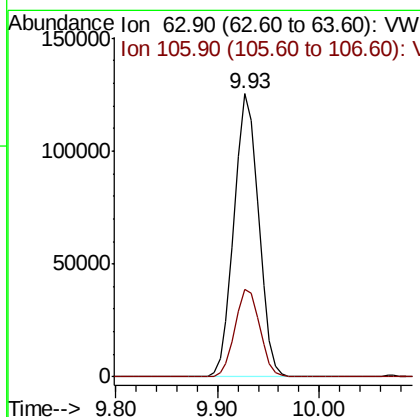
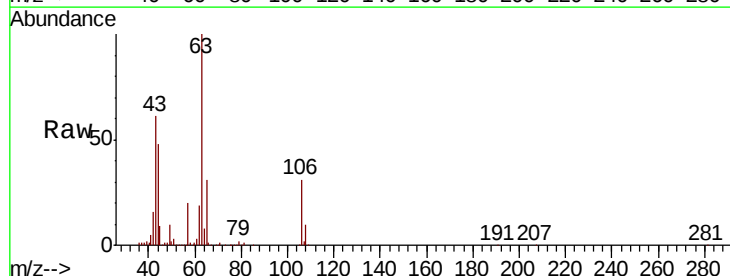
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

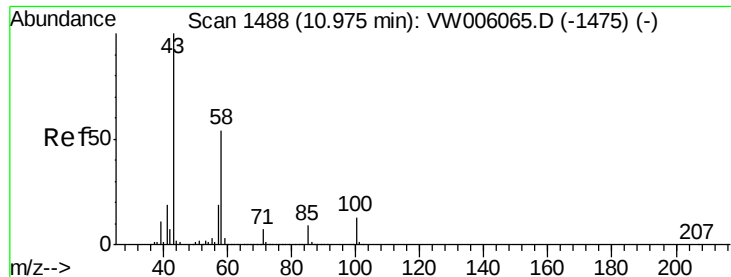
Tot Ion: 76 Resp: 154586
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.793 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006267.D
 Acq: 22 Oct 2018 23:45

Tgt Ion: 63 Resp: 208977
 Ion Ratio Lower Upper
 63 100
 106 31.2 24.5 36.7

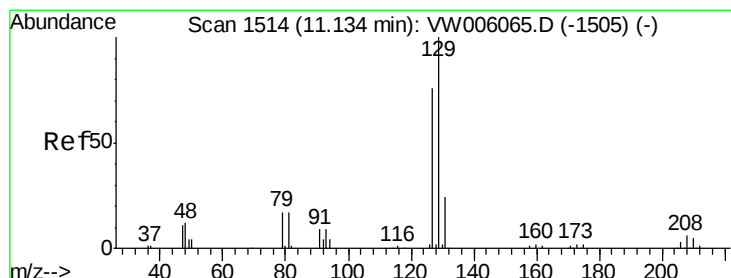
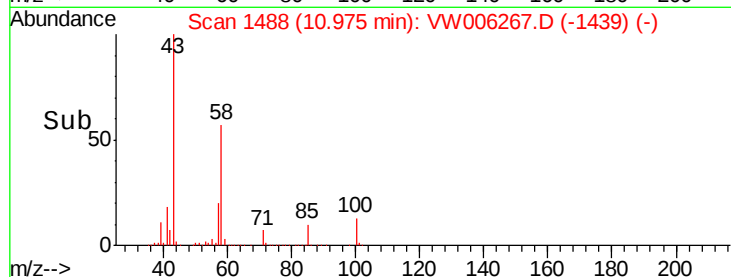
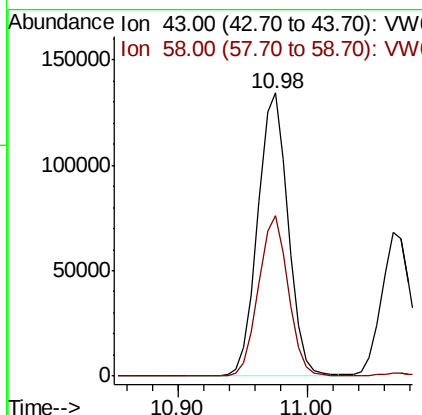
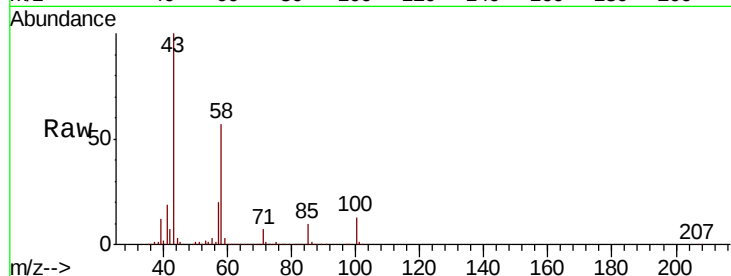




#59
2-Hexanone
Concen: 246.469 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

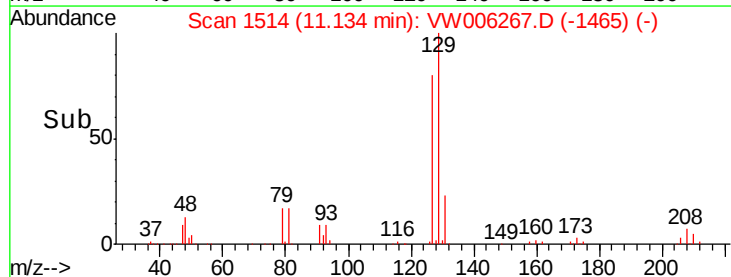
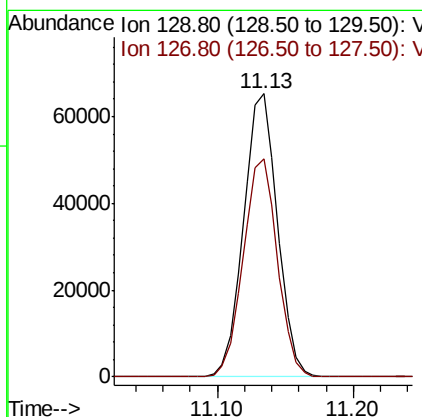
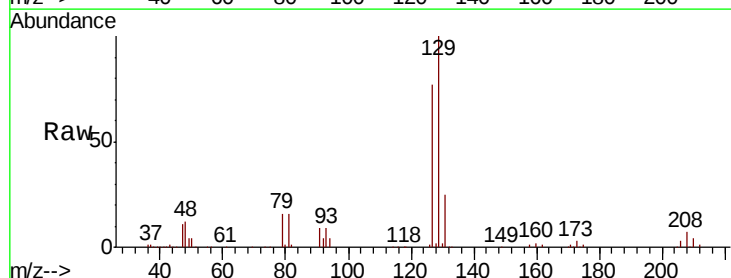
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

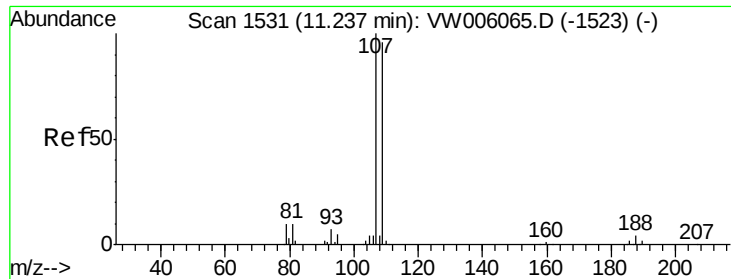
Tot Ion: 43 Resp: 217970
Ion Ratio Lower Upper
43 100
58 55.6 26.9 80.6



#60
Dibromochloromethane
Concen: 53.589 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

Tgt Ion: 129 Resp: 113747
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.7

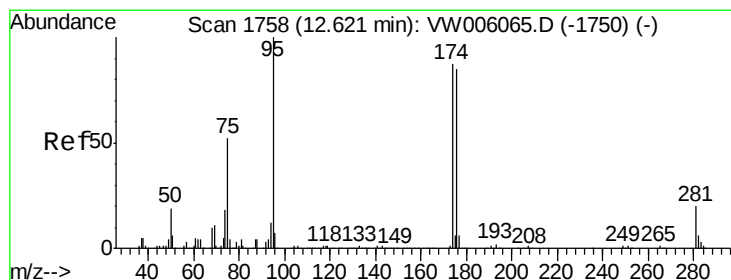
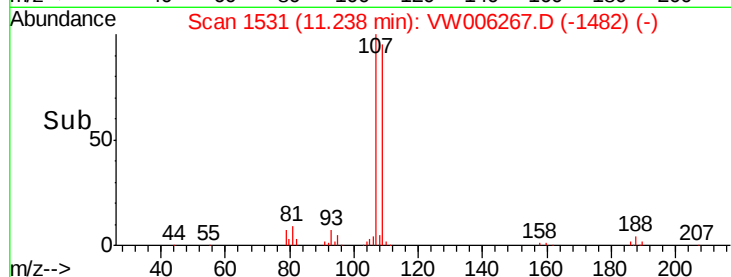
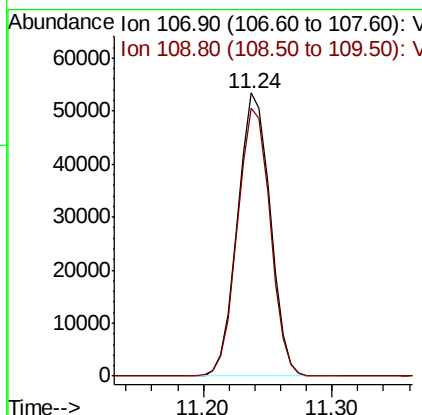
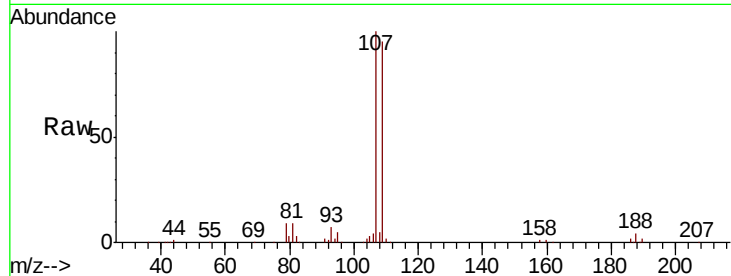




#61
 1,2-Dibromoethane
 Concen: 55.096 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006267.D
 Acq: 22 Oct 2018 23:45

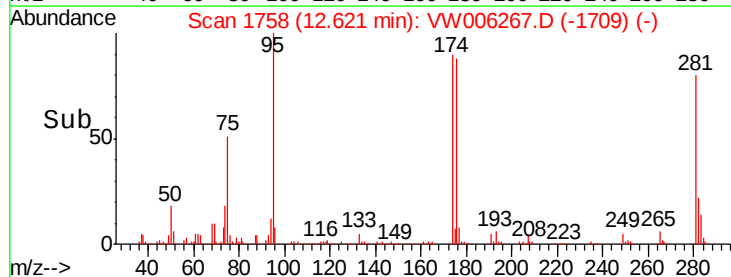
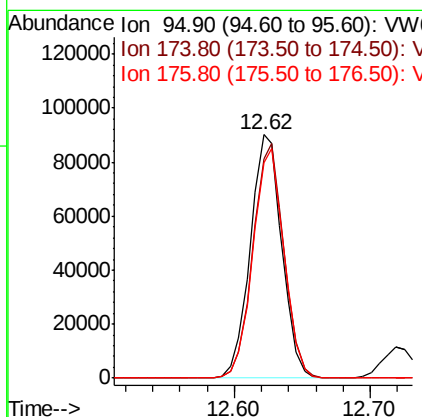
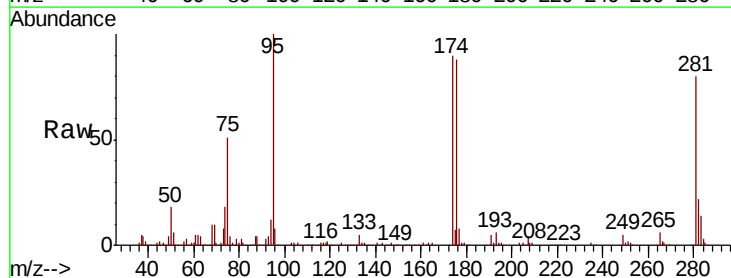
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

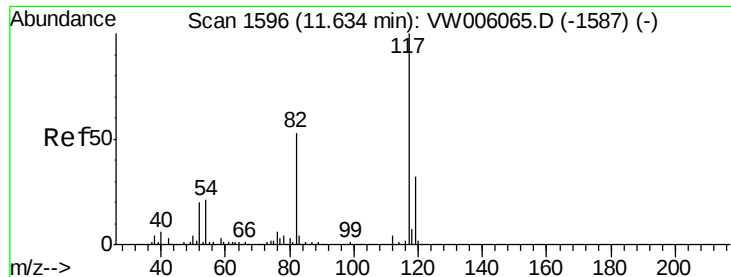
Tot Ion:107 Resp: 93811
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 49.263 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006267.D
 Acq: 22 Oct 2018 23:45

Tgt Ion: 95 Resp: 146889
 Ion Ratio Lower Upper
 95 100
 174 94.4 0.0 186.0
 176 92.8 0.0 181.6

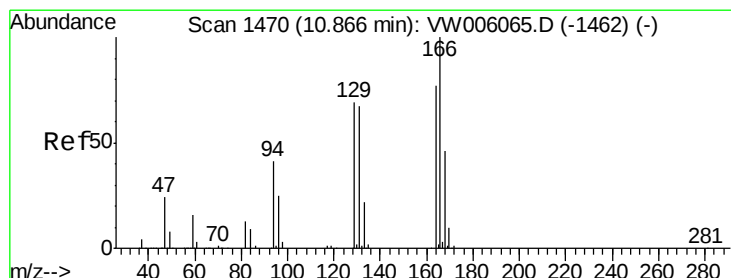
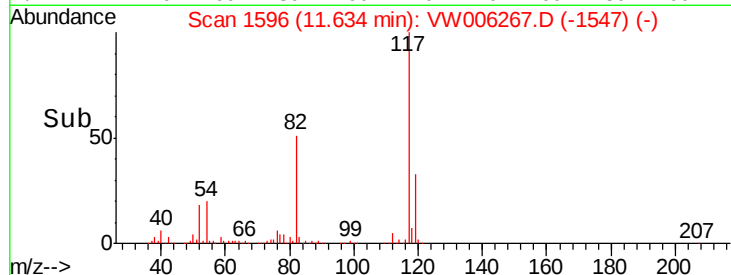
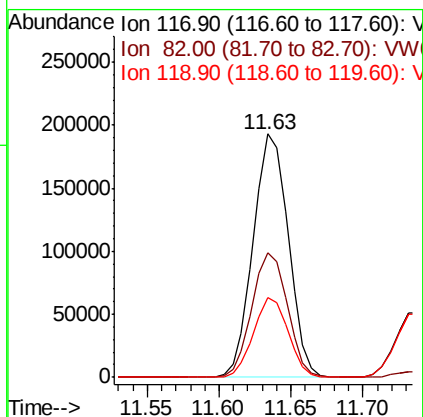
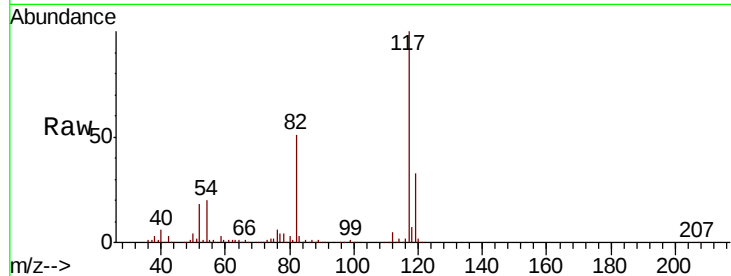




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

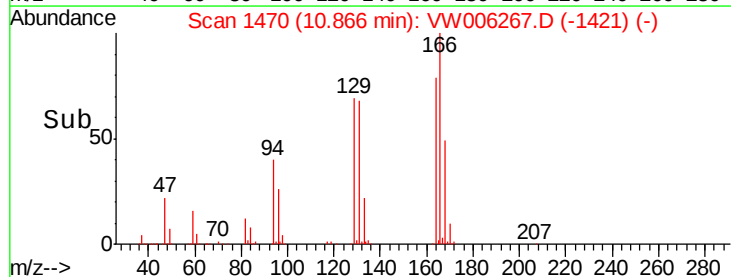
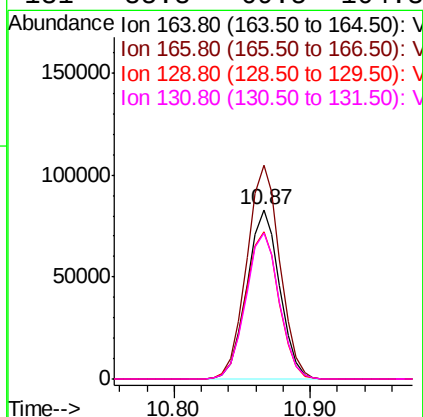
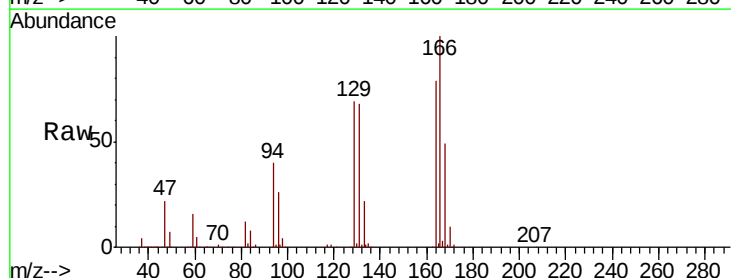
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

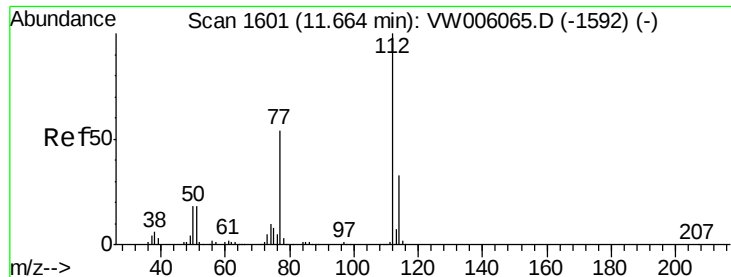
Tot Ion:117 Resp: 327448
Ion Ratio Lower Upper
117 100
82 51.2 42.1 63.1
119 32.8 25.8 38.6



#64
Tetrachloroethene
Concen: 55.163 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

Tgt Ion:164 Resp: 140223
Ion Ratio Lower Upper
164 100
166 126.2 103.4 155.0
129 86.6 71.8 107.8
131 85.8 69.5 104.3

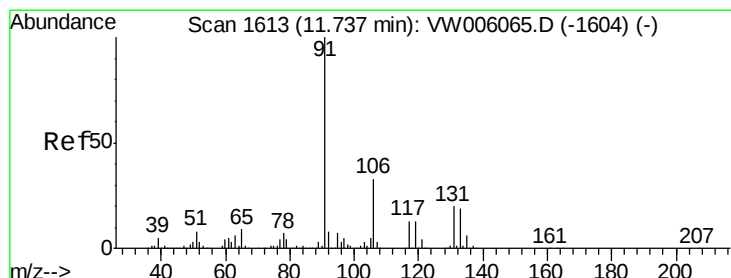
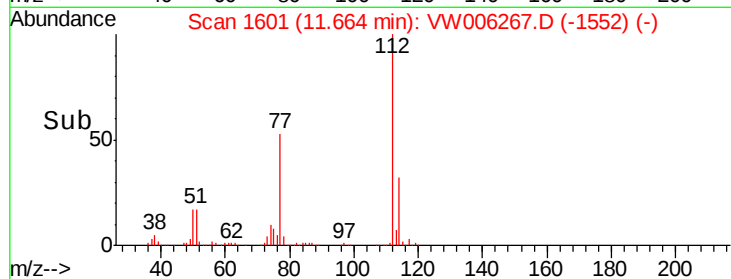
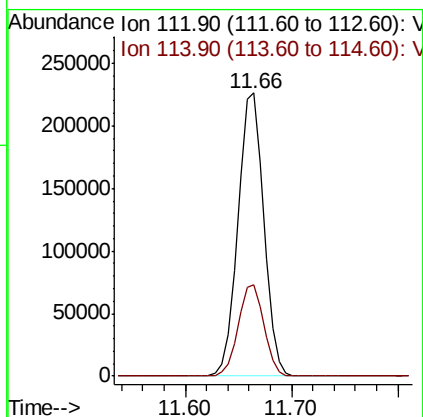
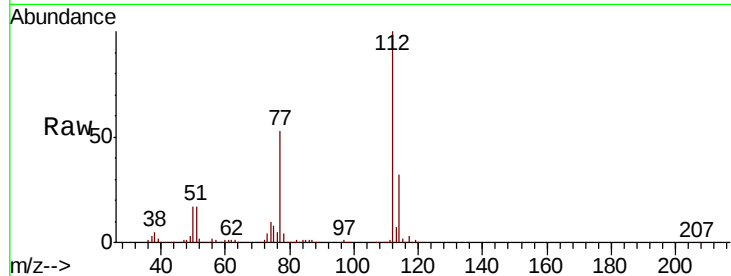




#65
Chlorobenzene
Concen: 54.965 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

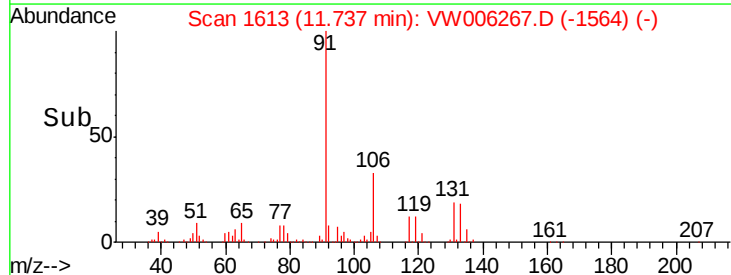
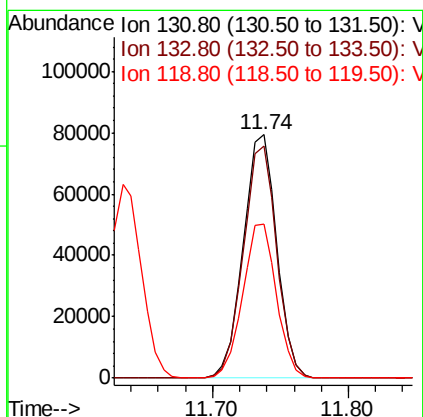
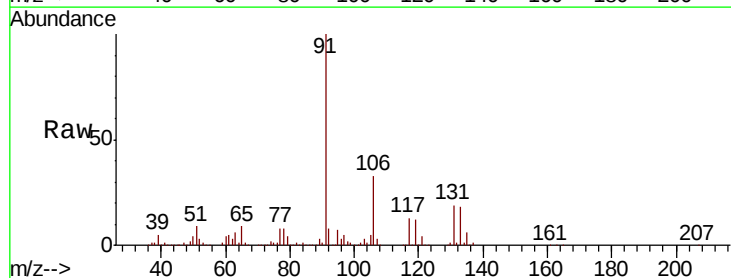
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

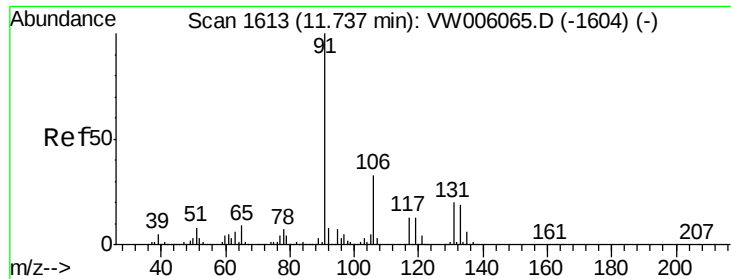
Tot Ion:112 Resp: 385287
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 54.835 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

Tgt Ion:131 Resp: 136600
Ion Ratio Lower Upper
131 100
133 95.2 48.1 144.3
119 63.6 31.6 94.7

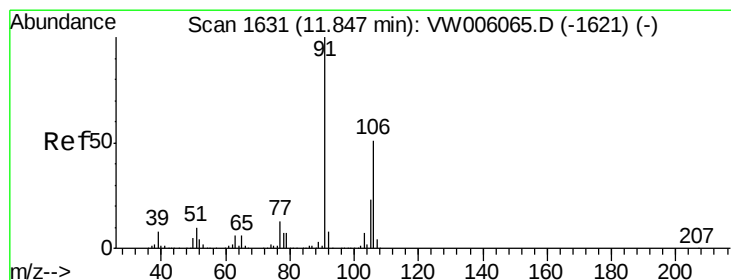
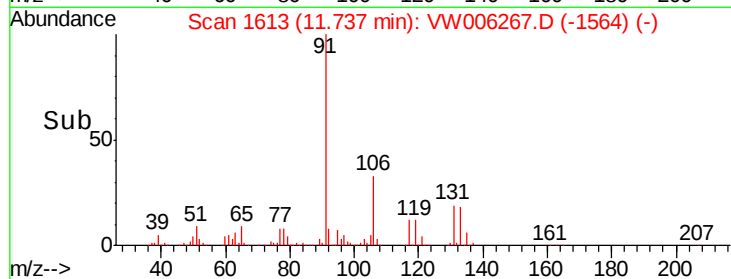
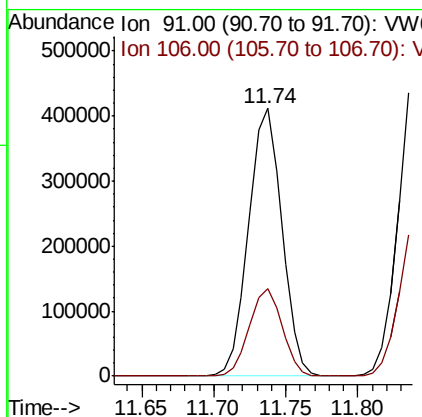
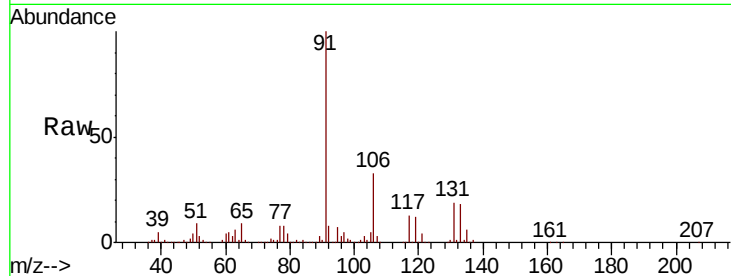




#67
Ethyl Benzene
Concen: 54.213 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

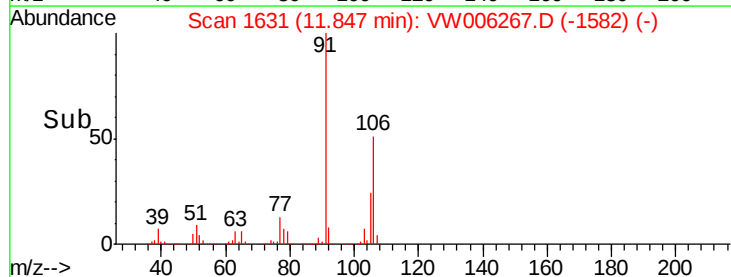
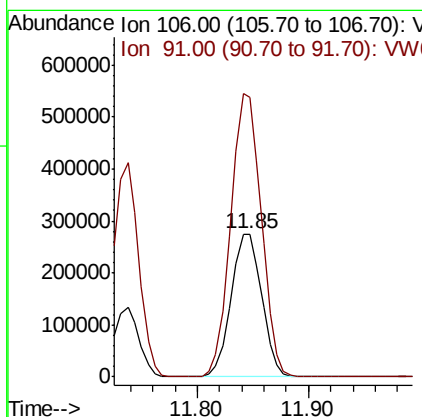
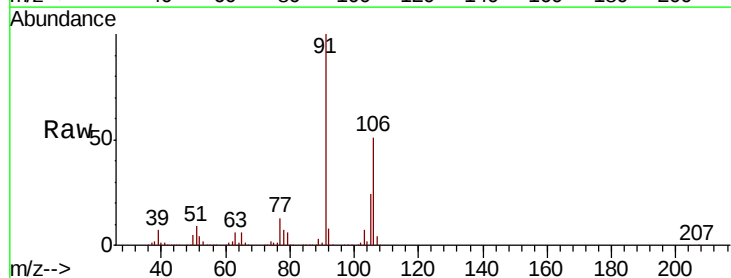
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 658584
Ion Ratio Lower Upper
91 100
106 32.7 26.1 39.1



#68
m/p-Xylenes
Concen: 108.606 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

Tgt Ion: 106 Resp: 521477
Ion Ratio Lower Upper
106 100
91 198.1 159.1 238.7

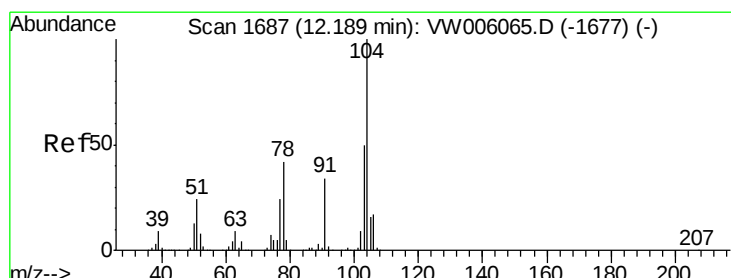
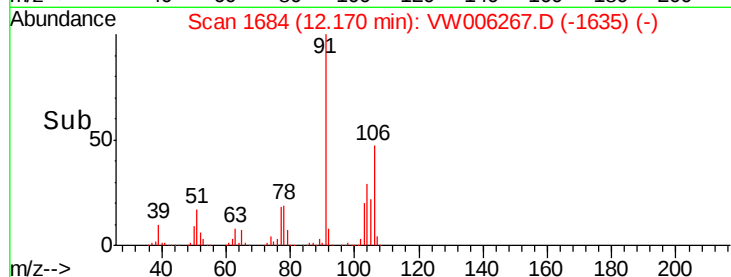
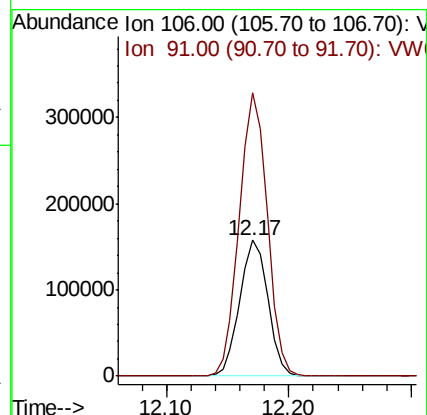
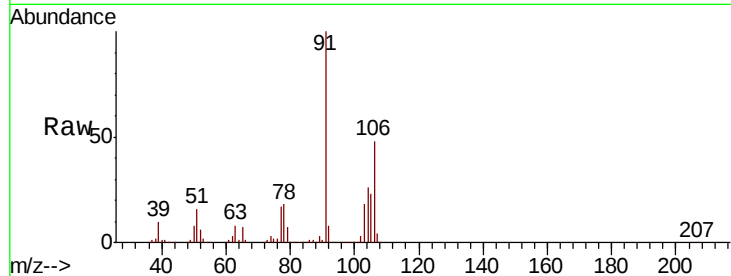




#69
o-Xylene
Concen: 54.966 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

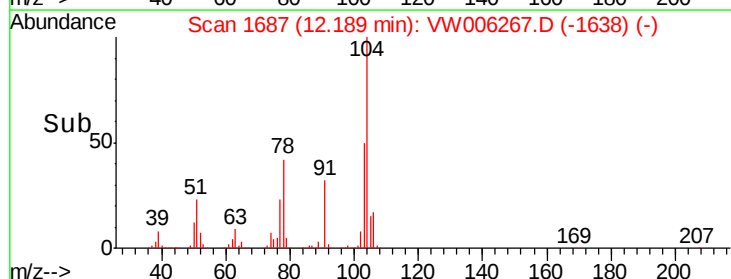
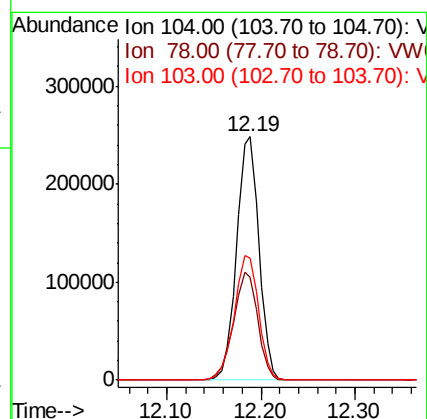
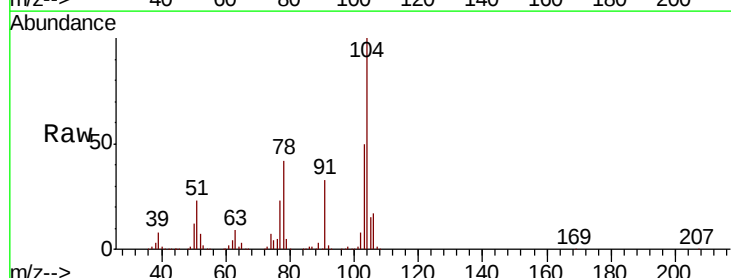
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

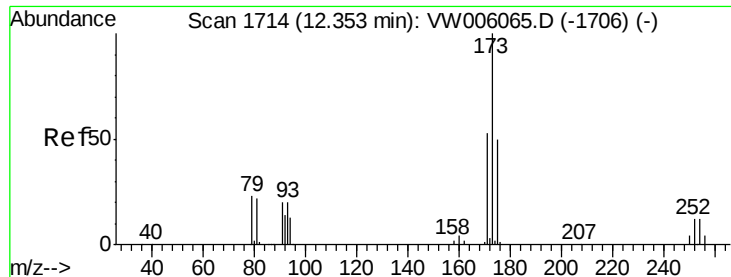
Tot Ion:106 Resp: 251524
Ion Ratio Lower Upper
106 100
91 207.3 105.4 316.1



#70
Styrene
Concen: 54.927 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

Tgt Ion:104 Resp: 408724
Ion Ratio Lower Upper
104 100
78 48.3 39.1 58.7
103 55.5 44.3 66.5





#71

Bromoform

Concen: 51.664 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

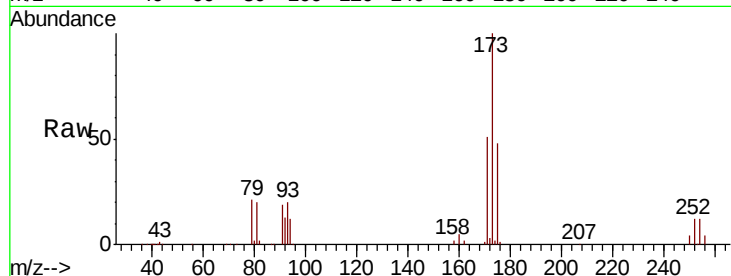
Tot Ion:173 Resp: 71785

Ion Ratio Lower Upper

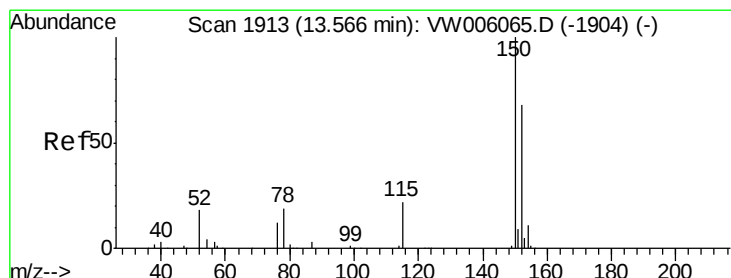
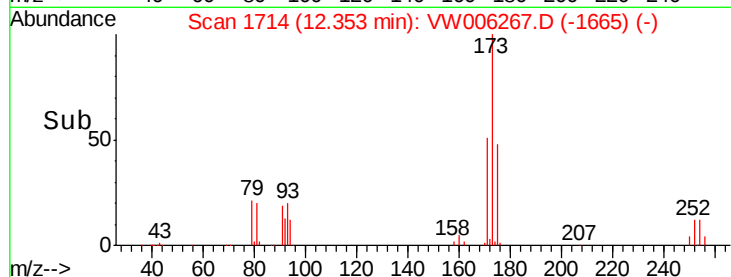
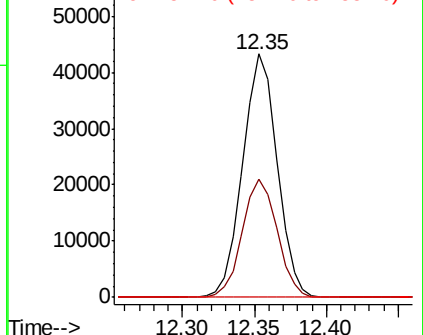
173 100

175 49.0 24.2 72.6

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

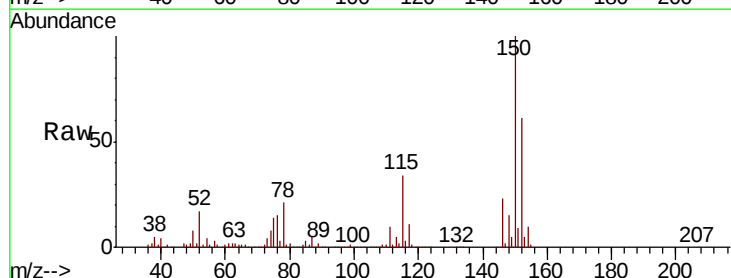
Tgt Ion:152 Resp: 184875

Ion Ratio Lower Upper

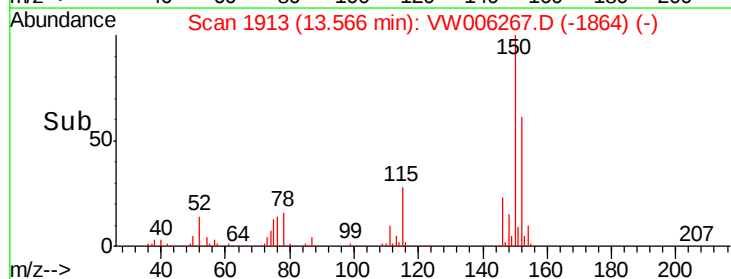
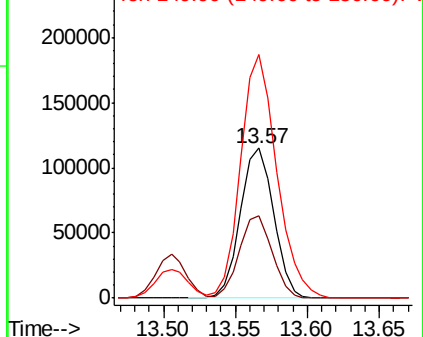
152 100

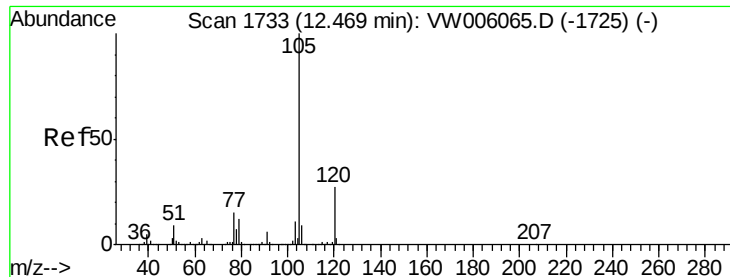
115 54.3 27.8 83.3

150 175.4 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.721 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

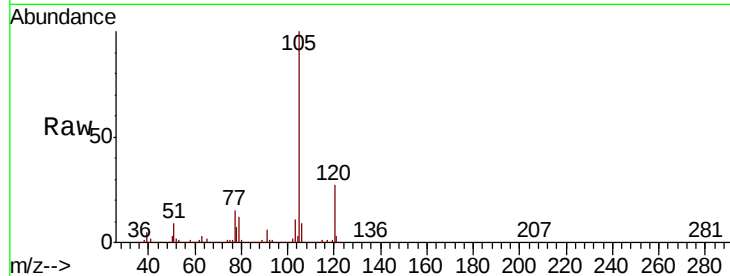
VSTDCCC050

Tot Ion:105 Resp: 701648

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

500000

400000

300000

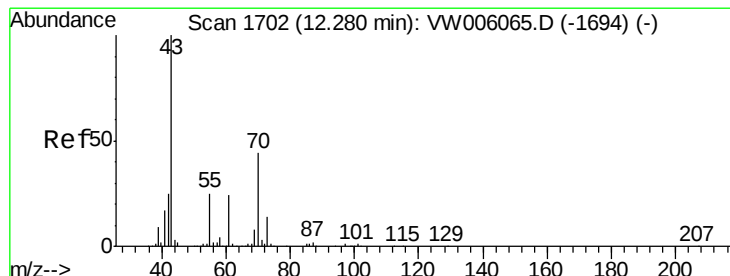
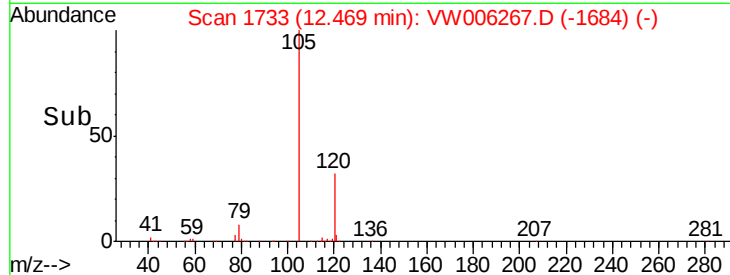
200000

100000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 48.992 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Tgt Ion: 43 Resp: 124282

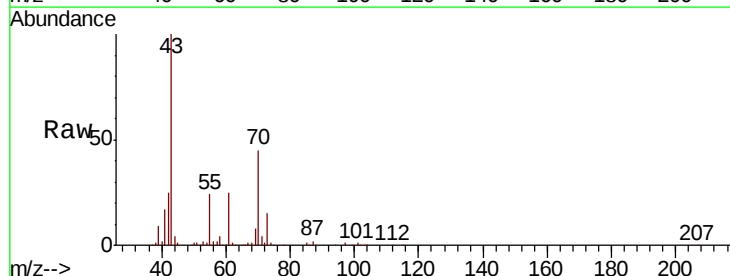
Ion Ratio Lower Upper

43 100

70 44.6 34.2 51.4

55 24.8 19.2 28.8

61 24.9 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

120000

100000

80000

60000

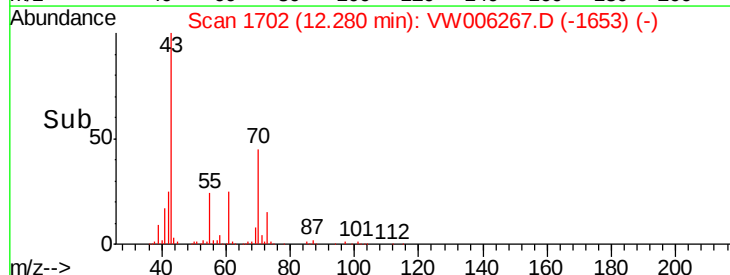
40000

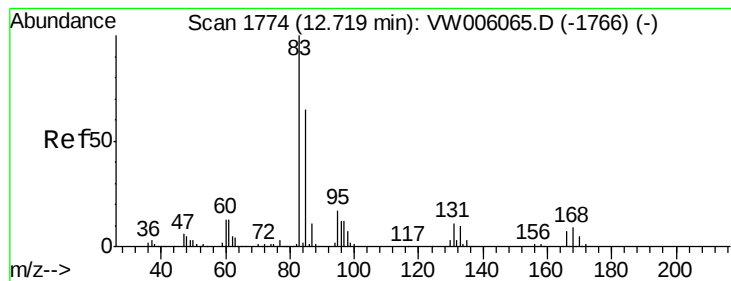
20000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 54.462 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

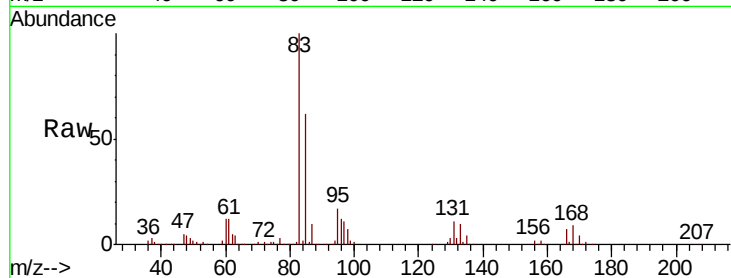
Tot Ion: 83 Resp: 108188

Ion Ratio Lower Upper

83 100

131 11.7 5.9 17.7

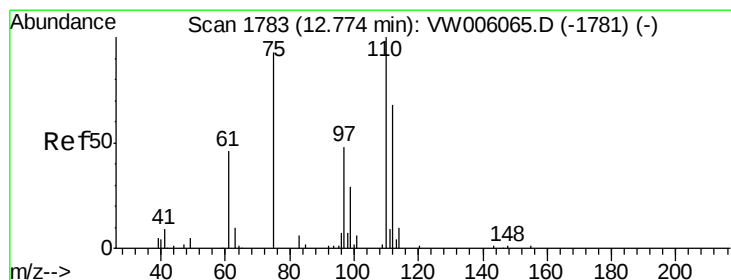
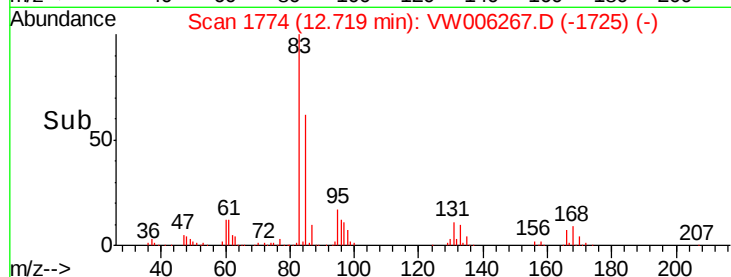
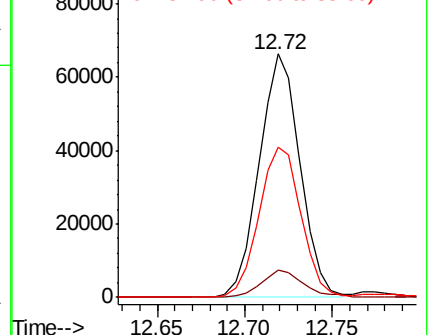
85 63.7 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 97.168 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006267.D

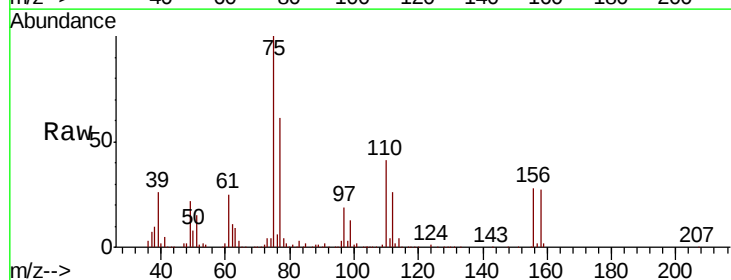
Acq: 22 Oct 2018 23:45

Tgt Ion: 75 Resp: 137209

Ion Ratio Lower Upper

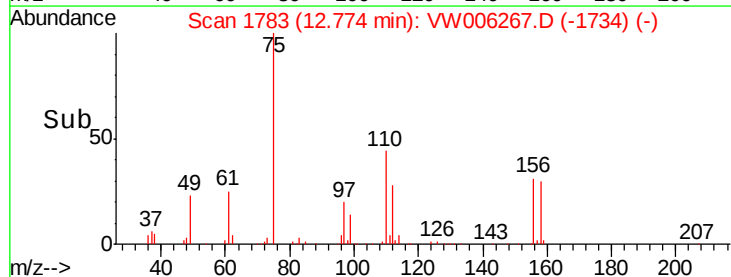
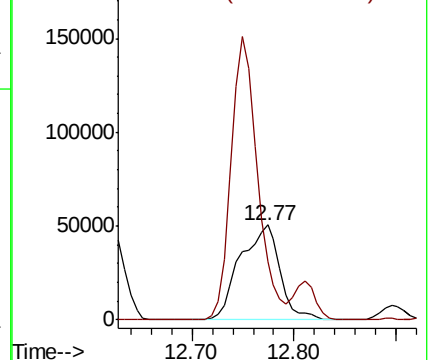
75 100

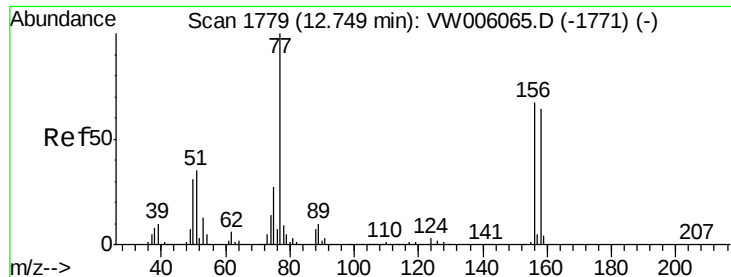
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

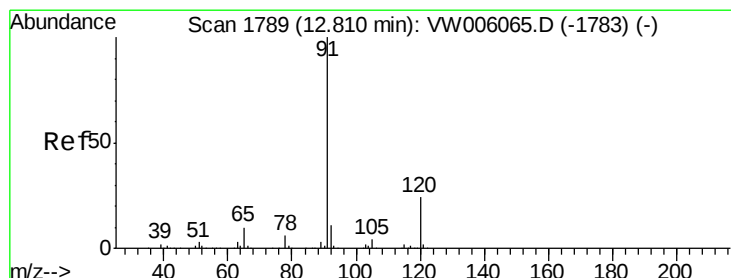
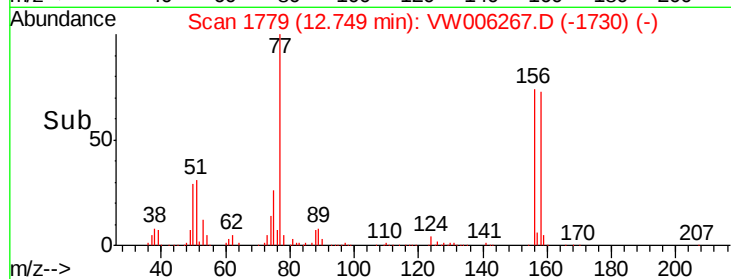
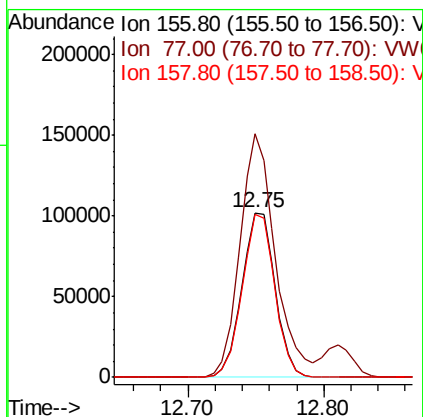
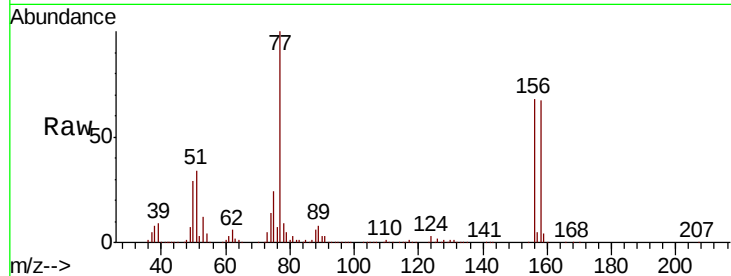




#77
Bromobenzene
Concen: 54.125 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

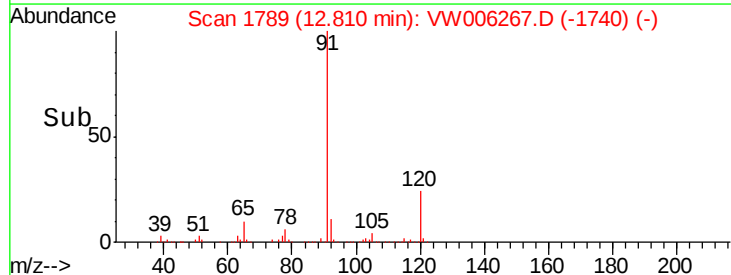
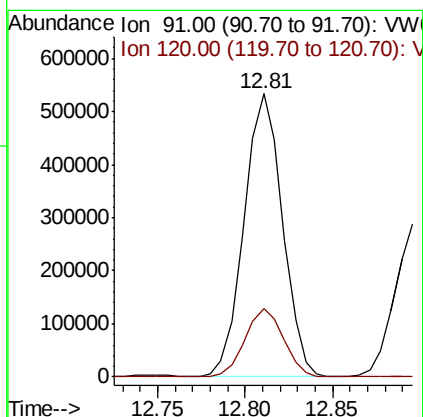
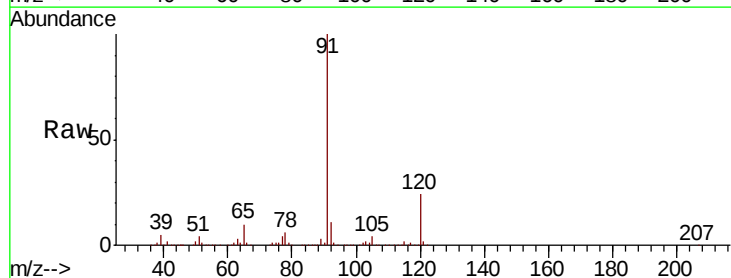
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

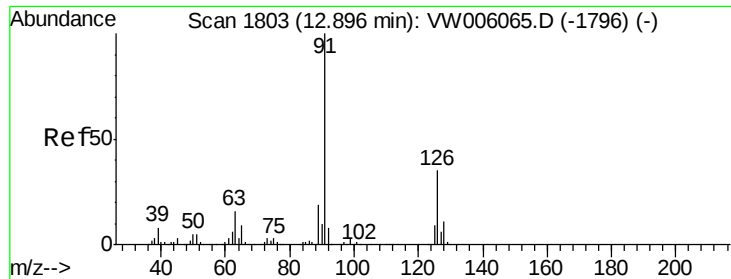
Tot Ion:156 Resp: 173149
Ion Ratio Lower Upper
156 100
77 157.1 79.1 237.4
158 97.7 48.5 145.6



#78
n-propylbenzene
Concen: 53.641 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

Tgt Ion: 91 Resp: 815090
Ion Ratio Lower Upper
91 100
120 24.2 12.2 36.6





#79

2-Chlorotoluene

Concen: 54.357 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

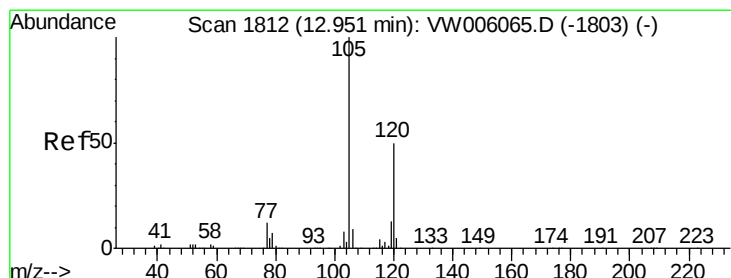
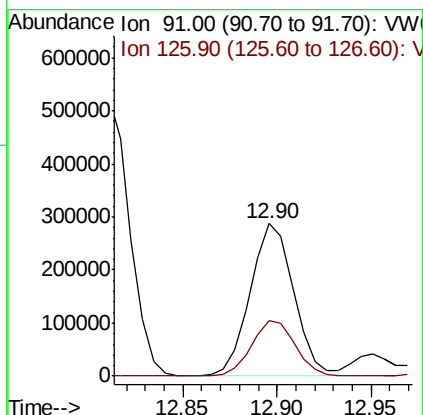
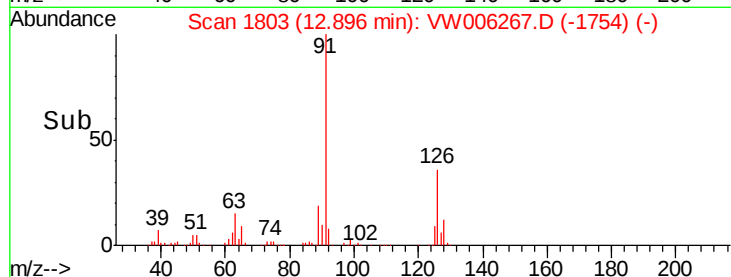
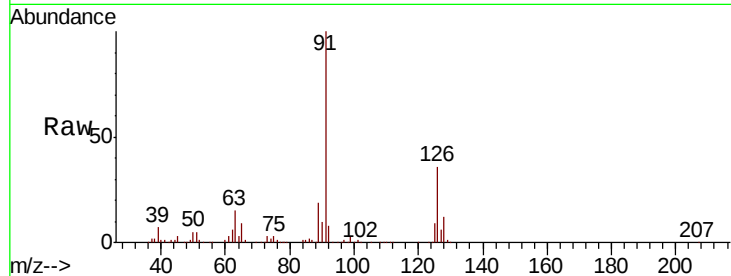
VSTDCCC050

Tot Ion: 91 Resp: 464078

Ion Ratio Lower Upper

91 100

126 36.2 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 53.715 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006267.D

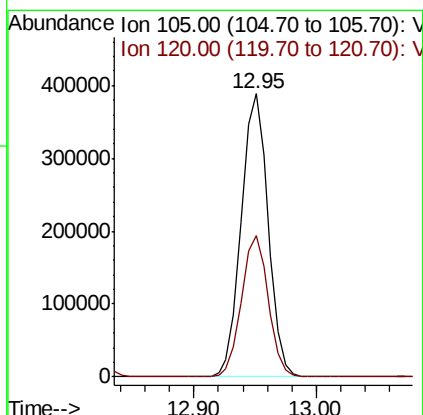
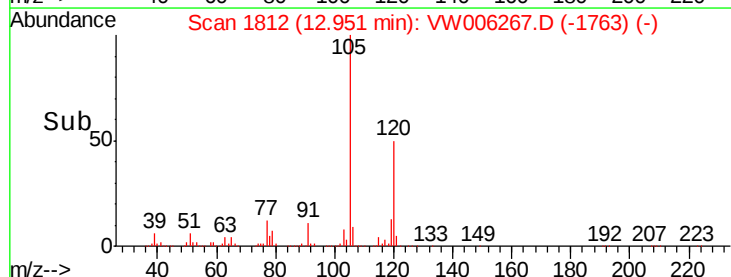
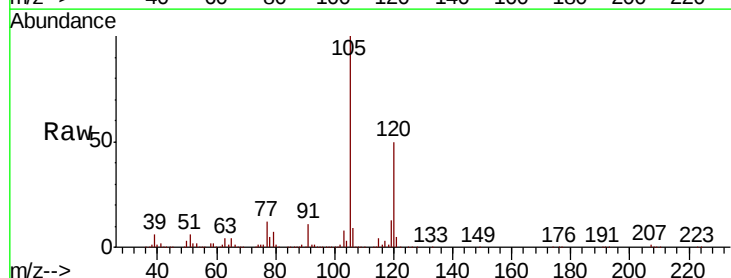
Acq: 22 Oct 2018 23:45

Tgt Ion:105 Resp: 591439

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 48.542 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

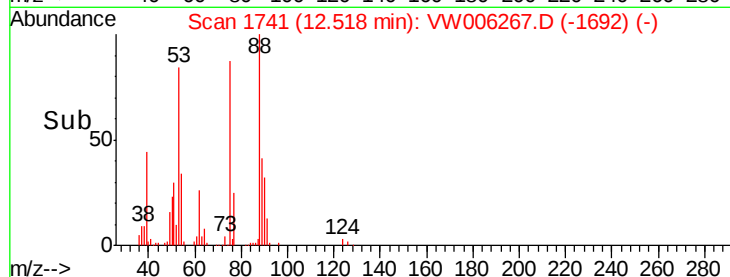
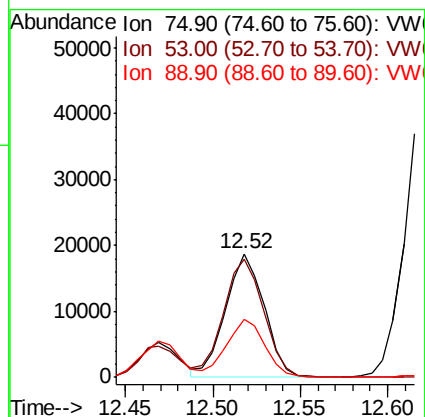
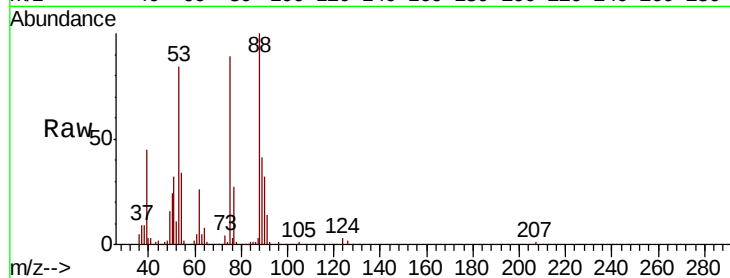
Tot Ion: 75 Resp: 28675

Ion Ratio Lower Upper

75 100

53 100.0 79.8 119.6

89 46.7 37.5 56.3



#82

4-Chlorotoluene

Concen: 54.055 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006267.D

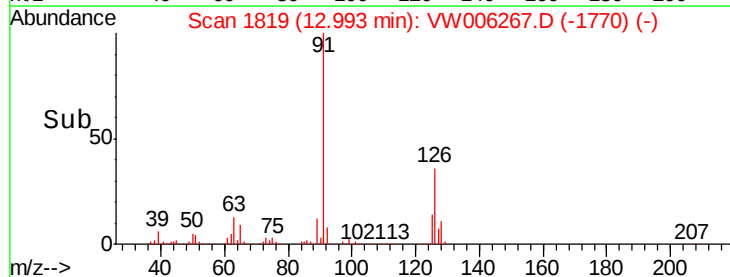
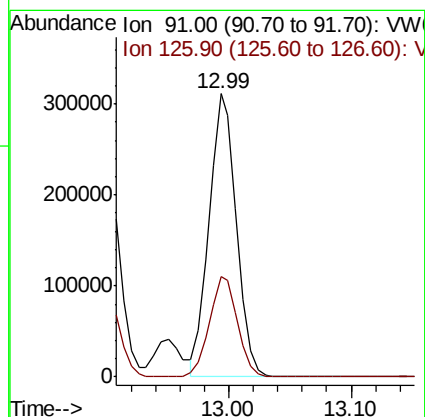
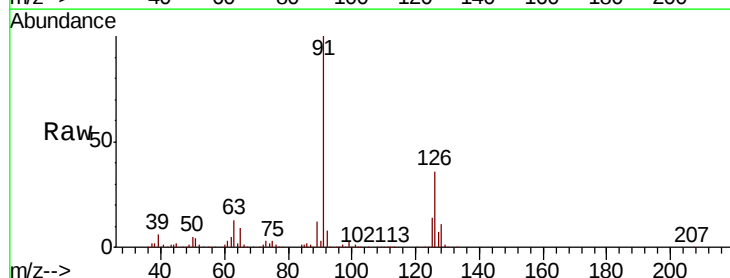
Acq: 22 Oct 2018 23:45

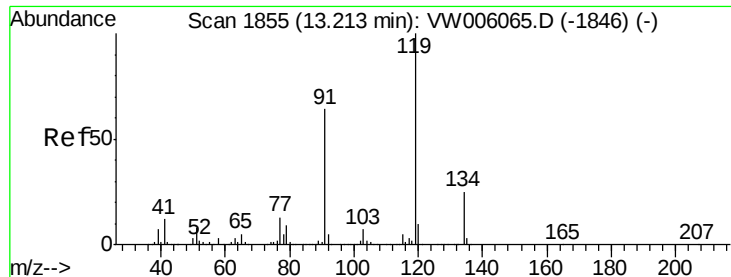
Tgt Ion: 91 Resp: 483433

Ion Ratio Lower Upper

91 100

126 36.5 18.1 54.3

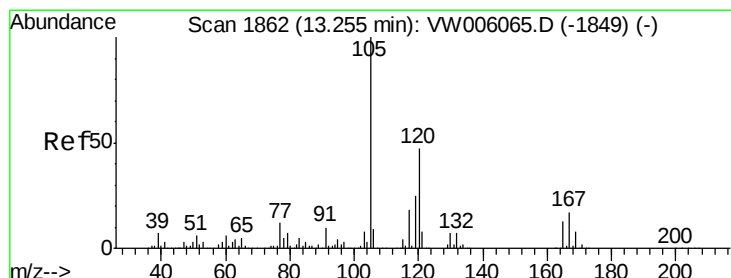
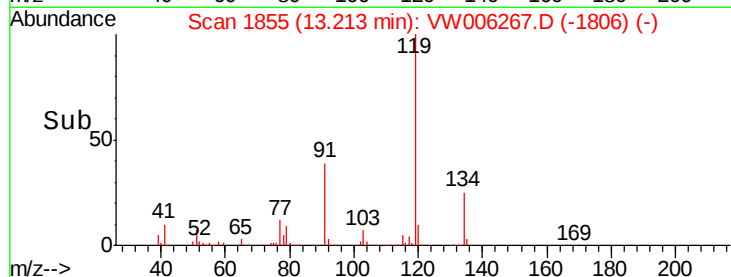
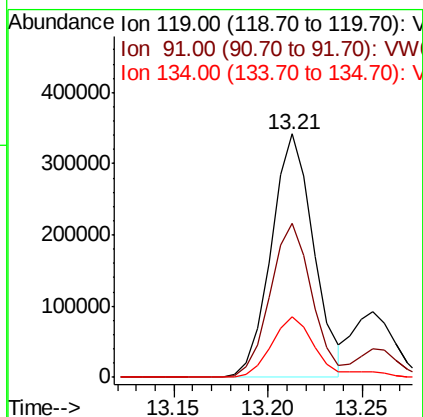
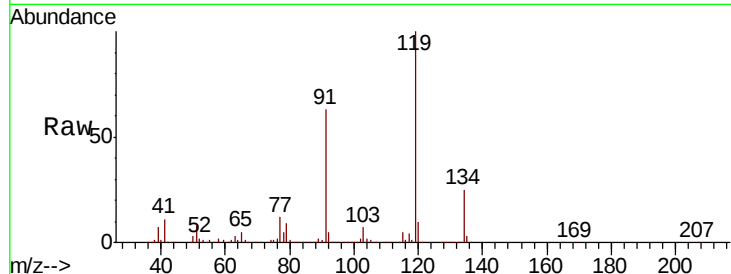




#83
tert-Butylbenzene
Concen: 53.961 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

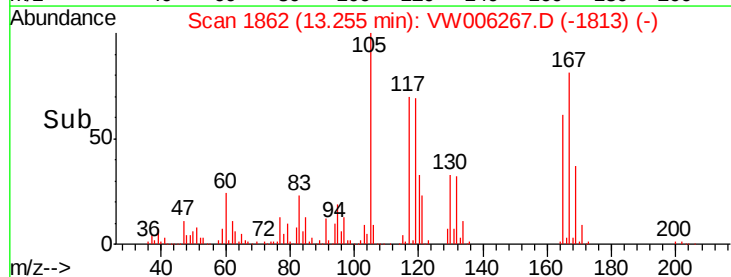
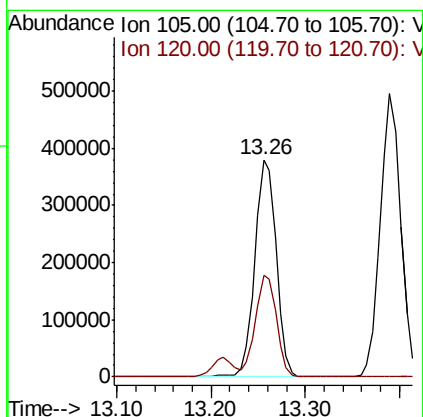
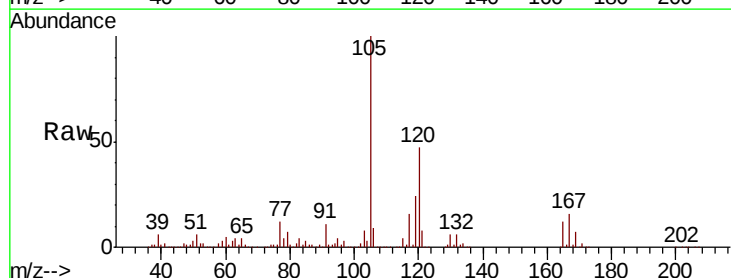
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

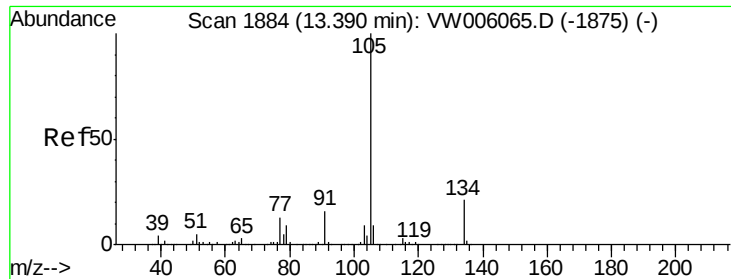
Tot Ion:119 Resp: 531575
Ion Ratio Lower Upper
119 100
91 62.2 32.3 96.9
134 26.9 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 54.120 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

Tgt Ion:105 Resp: 602987
Ion Ratio Lower Upper
105 100
120 46.0 23.1 69.3





#85

sec-Butylbenzene

Concen: 53.682 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampled :

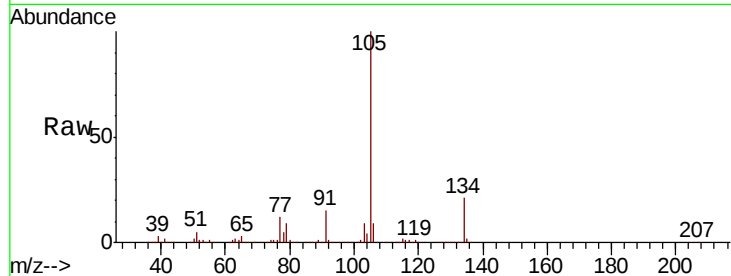
VSTDCCC050

Tot Ion:105 Resp: 747095

Ion Ratio Lower Upper

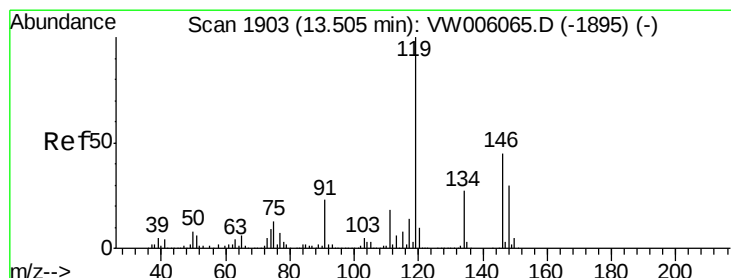
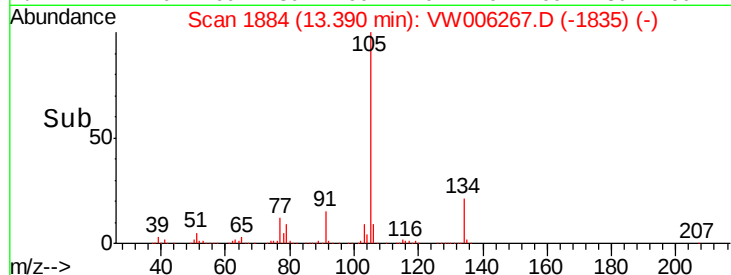
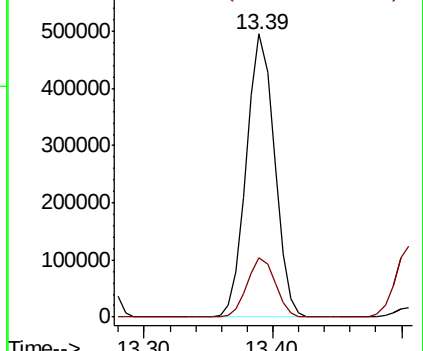
105 100

134 21.1 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.286 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

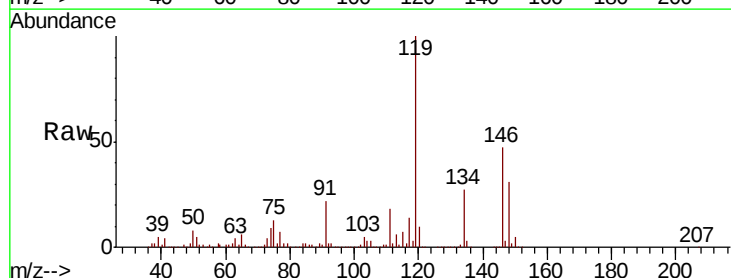
Tgt Ion:119 Resp: 683349

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

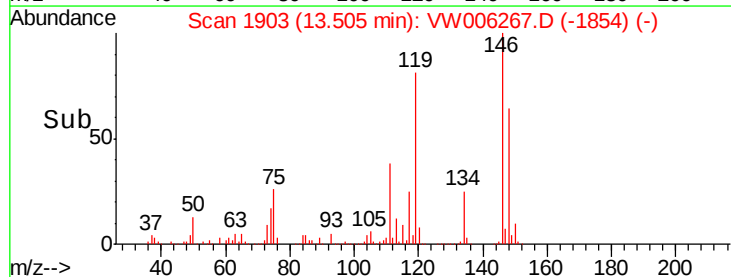
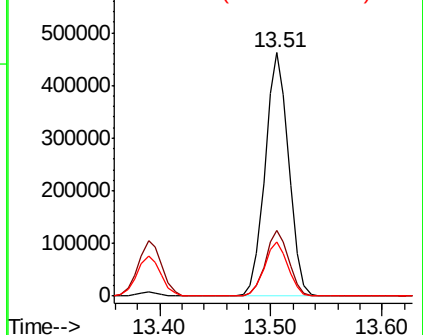
91 22.1 11.4 34.1

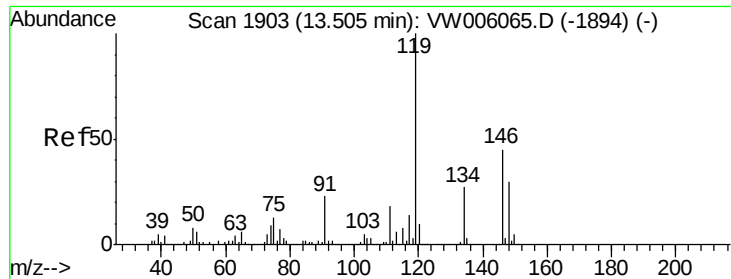


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 54.822 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

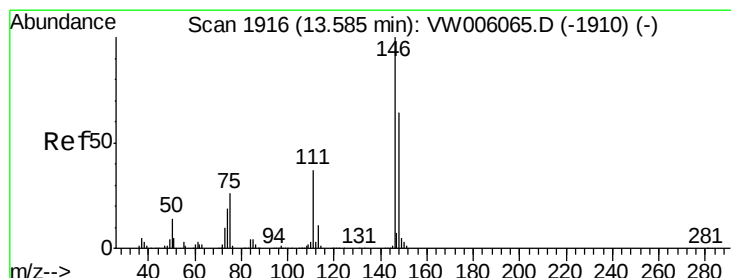
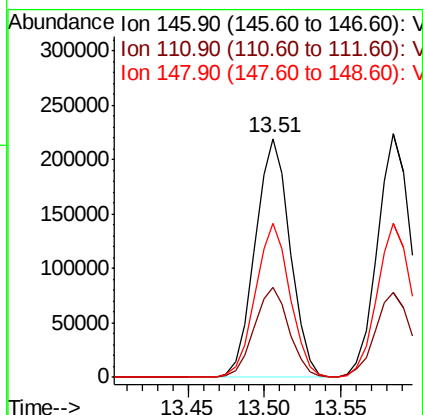
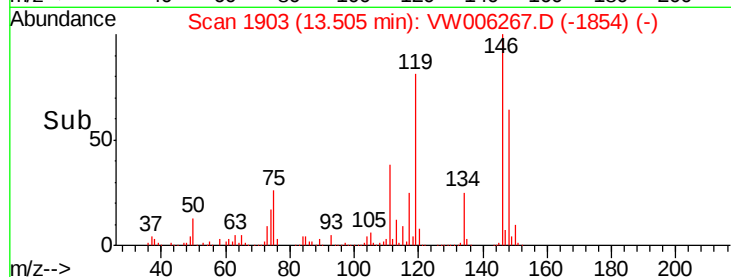
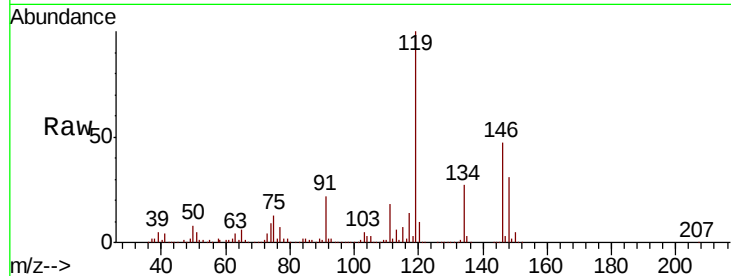
Tot Ion:146 Resp: 349033

Ion Ratio Lower Upper

146 100

111 37.4 19.1 57.5

148 63.7 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 54.257 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

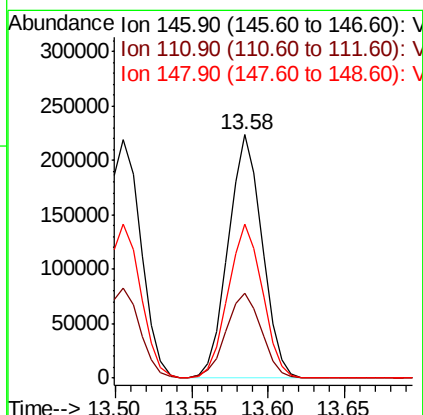
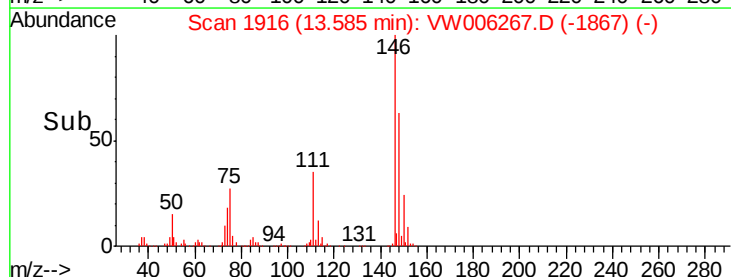
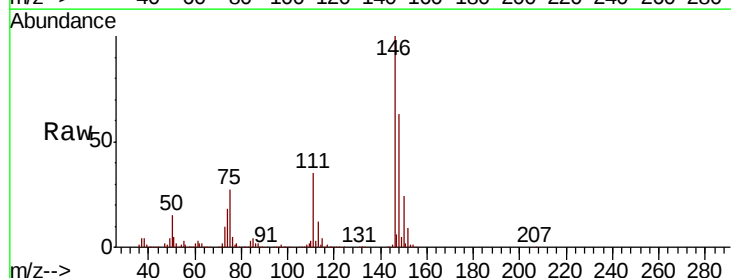
Tgt Ion:146 Resp: 343933

Ion Ratio Lower Upper

146 100

111 36.4 18.6 56.0

148 64.1 32.1 96.5





#89

n-Butylbenzene

Concen: 53.438 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

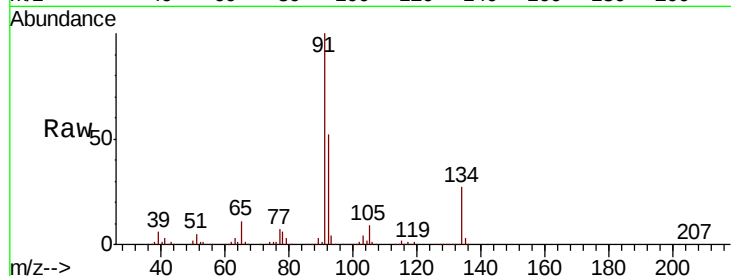
Tot Ion: 91 Resp: 615192

Ion Ratio Lower Upper

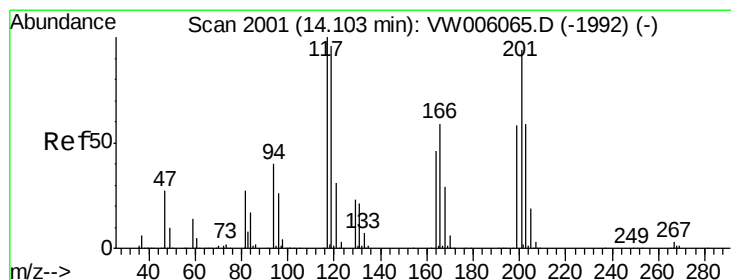
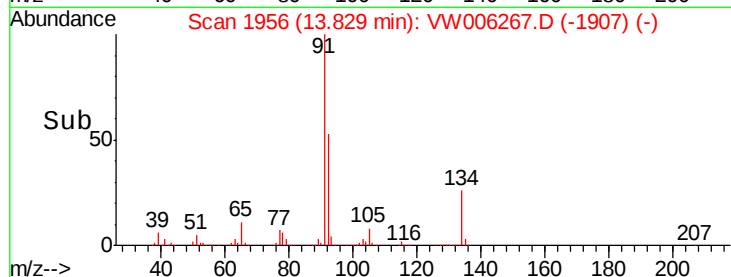
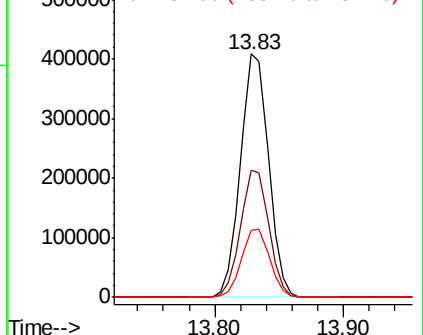
91 100

92 52.7 26.6 79.7

134 28.3 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 52.507 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.00 min

Lab File: VW006267.D

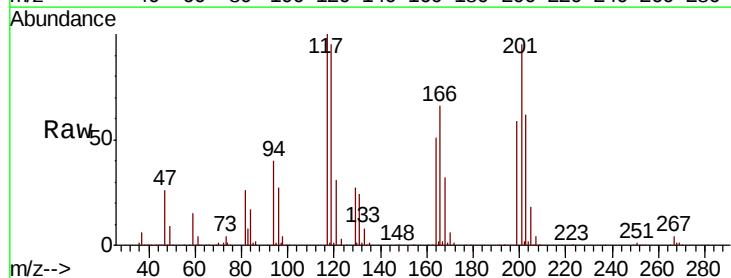
Acq: 22 Oct 2018 23:45

Tgt Ion: 117 Resp: 111957

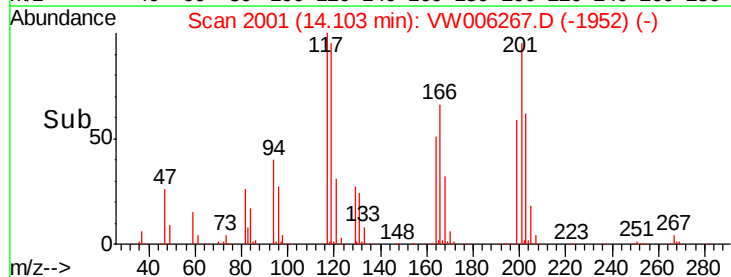
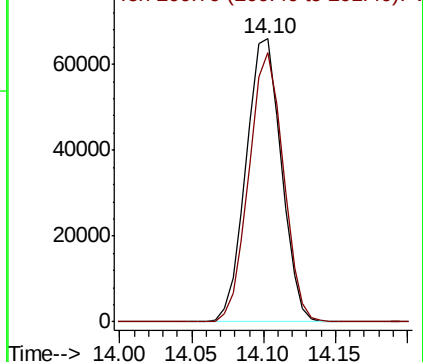
Ion Ratio Lower Upper

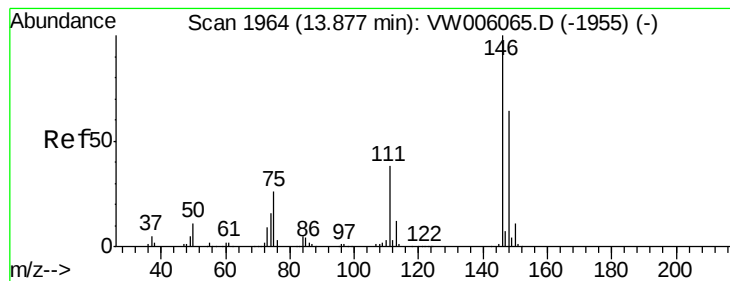
117 100

201 92.5 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 54.182 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

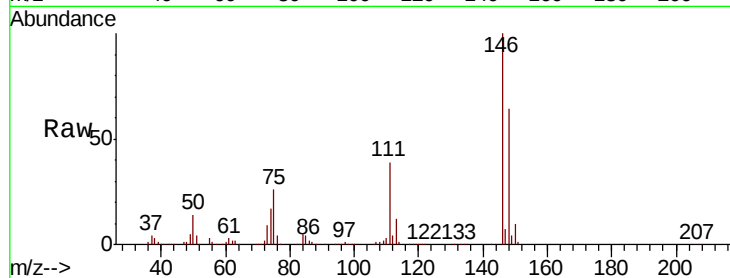
Tot Ion:146 Resp: 307698

Ion Ratio Lower Upper

146 100

111 39.0 19.6 58.7

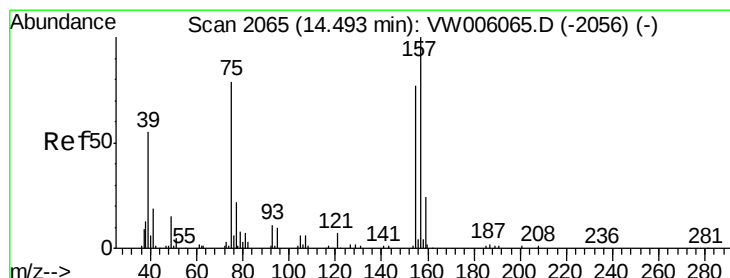
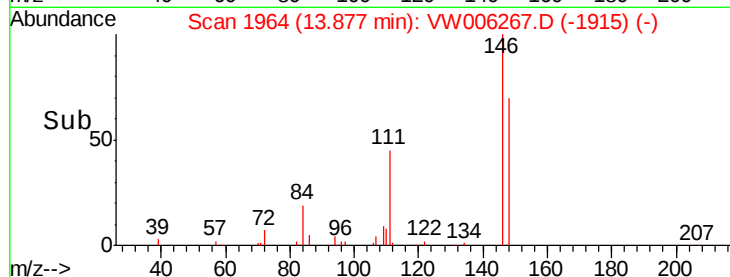
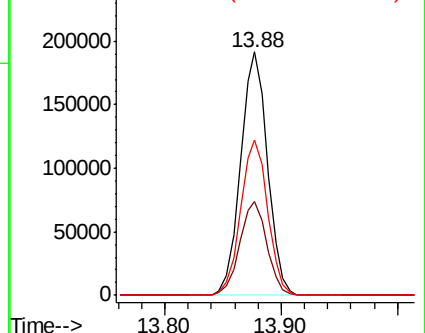
148 64.3 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.020 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006267.D

Acq: 22 Oct 2018 23:45

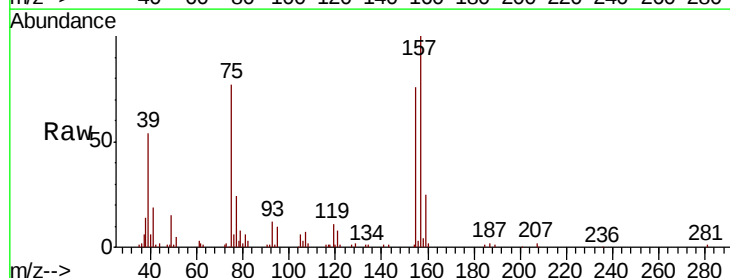
Tgt Ion: 75 Resp: 17079

Ion Ratio Lower Upper

75 100

155 96.3 46.5 139.5

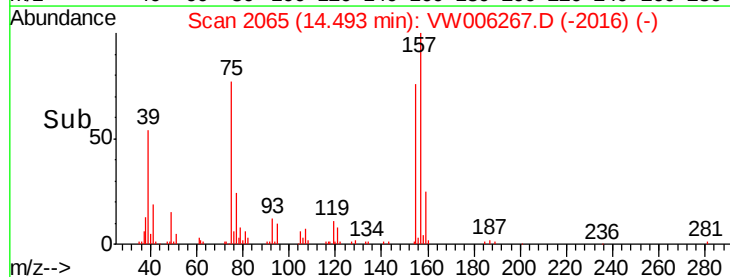
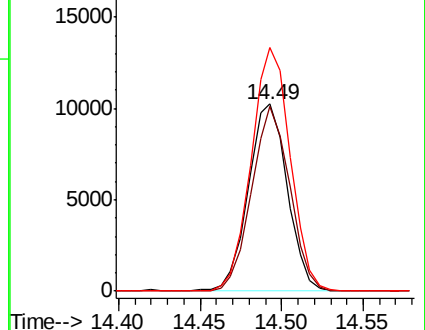
157 129.8 59.8 179.4

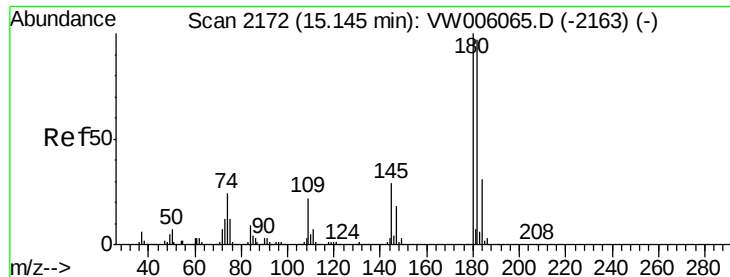


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

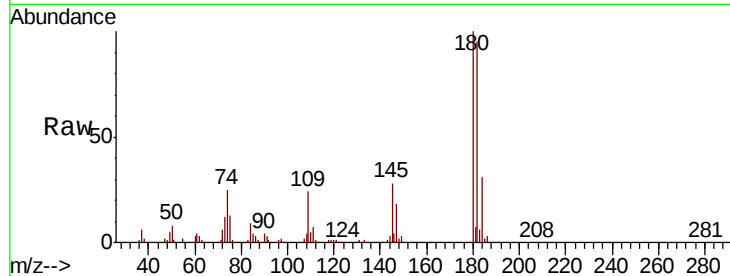




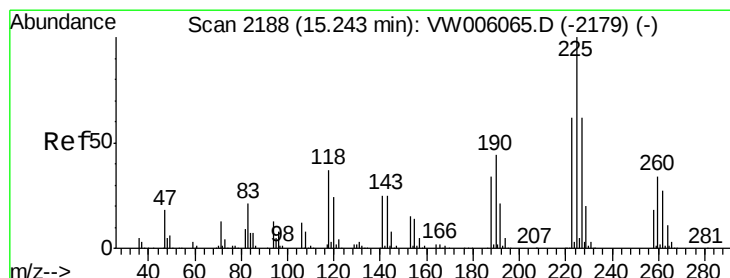
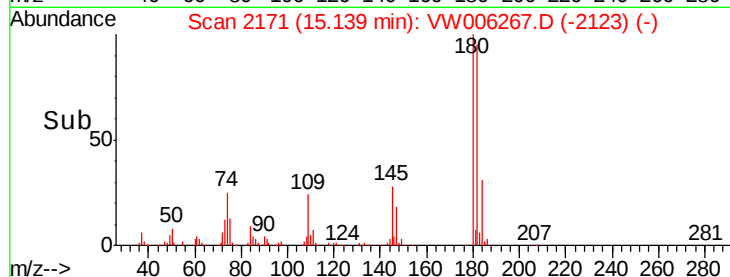
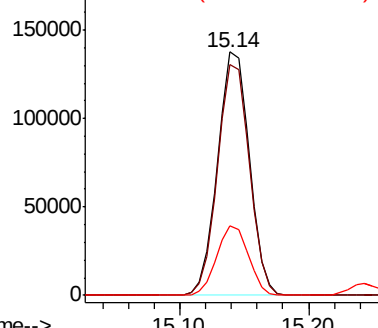
#93
 1,2,4-Trichlorobenzene
 Concen: 53.452 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006267.D
 Acq: 22 Oct 2018 23:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 233569
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.9 143.6
 145 28.5 14.2 42.8

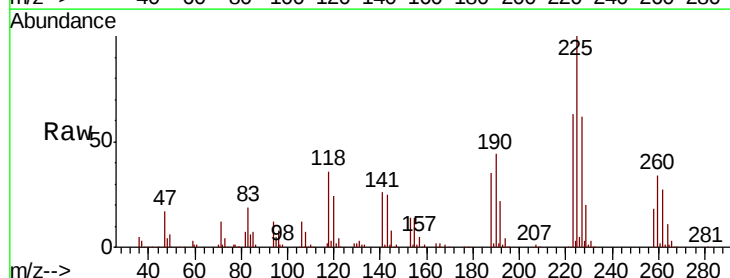


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

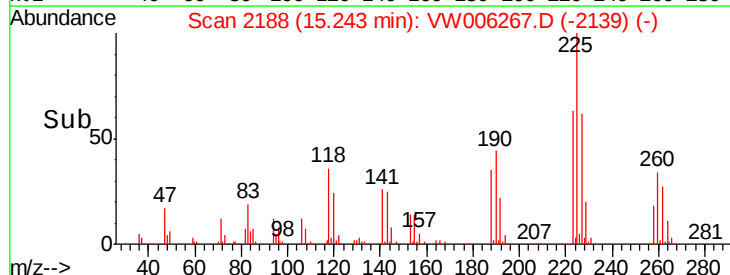
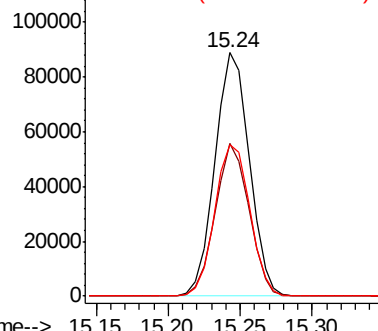


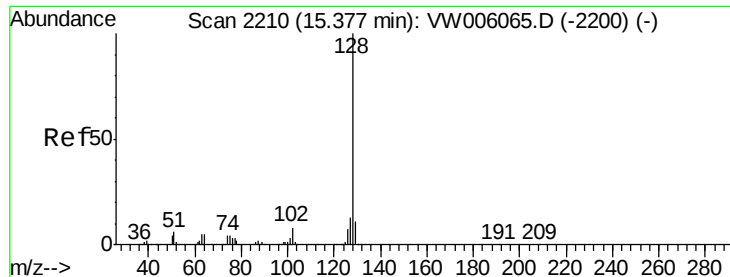
#94
 Hexachlorobutadiene
 Concen: 53.399 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006267.D
 Acq: 22 Oct 2018 23:45

Tgt Ion:225 Resp: 146578
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.1 93.5
 227 63.5 32.4 97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

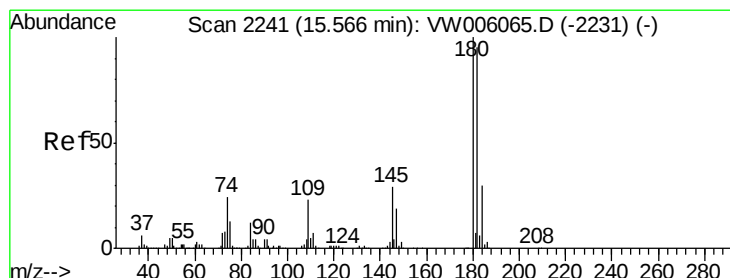
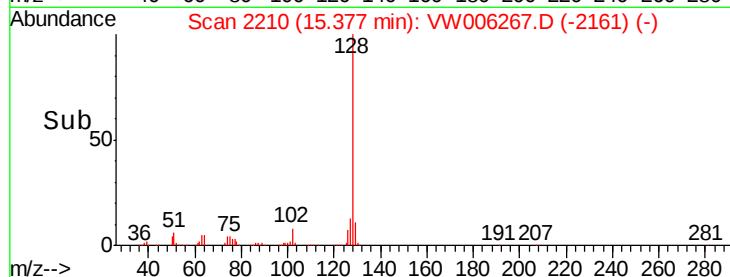
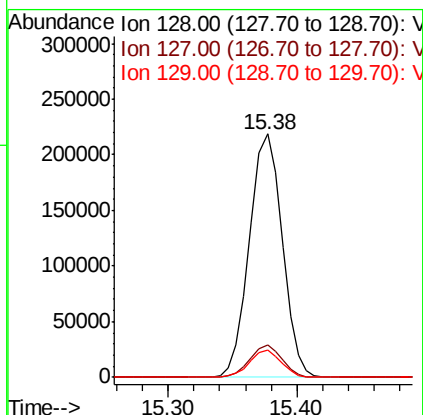
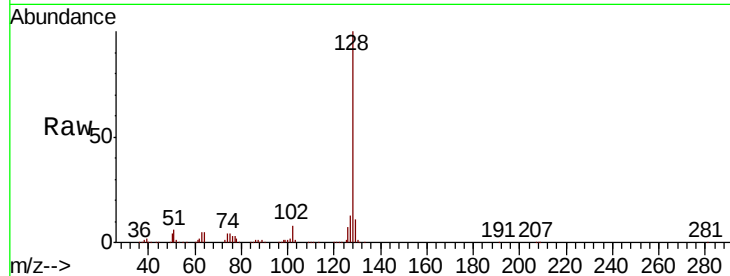




#95
Naphthalene
Concen: 53.194 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 386662
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 53.994 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006267.D
Acq: 22 Oct 2018 23:45

Tgt Ion:180 Resp: 204072
Ion Ratio Lower Upper
180 100
182 96.0 47.8 143.3
145 30.4 15.0 45.1

