

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101318\
 Data File : VW006041.D
 Acq On : 12 Oct 2018 11:09
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 13 01:06:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	289439	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	411366	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	373277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	215650	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	125918	44.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.62%	
35) Dibromofluoromethane	7.89	113	130325	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	10.33	98	512636	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.62	95	192131	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.02	85	80602	56.827	ug/l	99
3) Chloromethane	2.22	50	89114	53.414	ug/l	98
4) Vinyl Chloride	2.37	62	141565	53.447	ug/l	95
5) Bromomethane	2.79	94	113609	54.348	ug/l	100
6) Chloroethane	2.93	64	90725	53.762	ug/l	96
7) Trichlorofluoromethane	3.26	101	127620	60.699	ug/l	98
8) Diethyl Ether	3.68	74	59310	45.836	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.07	101	135431	51.042	ug/l	99
10) Methyl Iodide	4.27	142	220026	50.706	ug/l	100
11) Tert butyl alcohol	5.17	59	43845	212.917	ug/l	98
12) 1,1-Dichloroethene	4.04	96	125827	49.383	ug/l	94
13) Acrolein	3.89	56	45858	249.896	ug/l	95
14) Allyl chloride	4.67	41	180254	41.485	ug/l	96
15) Acrylonitrile	5.37	53	117641	208.907	ug/l	99
16) Acetone	4.12	43	128074	228.199	ug/l	99
17) Carbon Disulfide	4.38	76	364947	47.377	ug/l	100
18) Methyl Acetate	4.67	43	61074	43.123	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	177778	44.848	ug/l	97
20) Methylene Chloride	4.92	84	126889	45.126	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	135454	48.776	ug/l	96
22) Diisopropyl ether	6.31	45	357382	43.998	ug/l	98
23) Vinyl Acetate	6.26	43	1015397	203.105	ug/l	97
24) 1,1-Dichloroethane	6.22	63	228930	46.056	ug/l	99
25) 2-Butanone	7.18	43	162684	203.797	ug/l	97
26) 2,2-Dichloropropane	7.17	77	167762	47.956	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	151119	48.118	ug/l	97
28) Bromochloromethane	7.51	49	90313	49.223	ug/l	89
29) Tetrahydrofuran	7.53	42	99646	197.468	ug/l	96
30) Chloroform	7.68	83	245847	48.152	ug/l	98
31) Cyclohexane	7.96	56	216117	43.935	ug/l	99
32) 1,1,1-Trichloroethane	7.88	97	222065	48.839	ug/l	100
36) 1,1-Dichloropropene	8.09	75	196320	49.806	ug/l	99
37) Ethyl Acetate	7.26	43	68759	41.193	ug/l	98
38) Carbon Tetrachloride	8.07	117	216231	51.059	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	265495	51.067	ug/l	96
40) Benzene	8.33	78	540987	50.146	ug/l	99
41) Methacrylonitrile	7.49	41	42137	40.321	ug/l	97
42) 1,2-Dichloroethane	8.40	62	155373	47.671	ug/l	100
43) Isopropyl Acetate	8.43	43	142515	40.872	ug/l	97
44) Trichloroethene	9.10	130	164868	52.671	ug/l	98
45) 1,2-Dichloropropane	9.37	63	129001	47.771	ug/l	100
46) Dibromomethane	9.46	93	71003	47.840	ug/l	97
47) Bromodichloromethane	9.65	83	179257	47.997	ug/l	97
48) Methyl methacrylate	9.44	41	69106	41.605	ug/l	96
49) 1,4-Dioxane	9.45	88	23778	1054.744	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	354767	208.939	ug/l	97
52) Toluene	10.39	92	365992	51.640	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	181801	46.580	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	208320	47.482	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	100651	48.962	ug/l	97
56) Ethyl methacrylate	10.65	69	124044	44.771	ug/l	94
57) 1,3-Dichloropropane	10.94	76	166208	48.061	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	239534	212.473	ug/l	98
59) 2-Hexanone	10.97	43	255330	209.724	ug/l	97
60) Dibromochloromethane	11.13	129	128634	48.491	ug/l	99
61) 1,2-Dibromoethane	11.24	107	99228	48.306	ug/l	100
64) Tetrachloroethene	10.87	164	147877	53.183	ug/l	99
65) Chlorobenzene	11.66	112	418769	52.374	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	151961	51.851	ug/l	99
67) Ethyl Benzene	11.74	91	738360	52.281	ug/l	98
68) m/p-Xylenes	11.84	106	583452	105.714	ug/l	99
69) o-Xylene	12.17	106	276337	52.299	ug/l	99
70) Styrene	12.19	104	458318	52.279	ug/l	99
71) Bromoform	12.35	173	82138	47.051	ug/l #	99
73) Isopropylbenzene	12.47	105	797650	50.647	ug/l	100
74) N-amyl acetate	12.28	43	146838	39.258	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	114790	44.468	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	154320	80.110	ug/l #	100
77) Bromobenzene	12.75	156	187985	50.380	ug/l	95
78) n-propylbenzene	12.81	91	939370	50.704	ug/l	100
79) 2-Chlorotoluene	12.90	91	522539	49.964	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	675212	50.781	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	35534	38.942	ug/l	96
82) 4-Chlorotoluene	12.99	91	552766	50.236	ug/l	98
83) tert-Butylbenzene	13.21	119	611850	51.737	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	686083	51.153	ug/l	99
85) sec-Butylbenzene	13.39	105	862773	51.974	ug/l	99
86) p-Isopropyltoluene	13.51	119	784285	52.537	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	385557	52.011	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	380632	51.672	ug/l	99
89) n-Butylbenzene	13.83	91	722940	51.375	ug/l	99
90) Hexachloroethane	14.10	117	135322	48.197	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	340941	51.804	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20261	42.117	ug/l	96

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QLast Update : Tue Oct 09 02:14:04 2018
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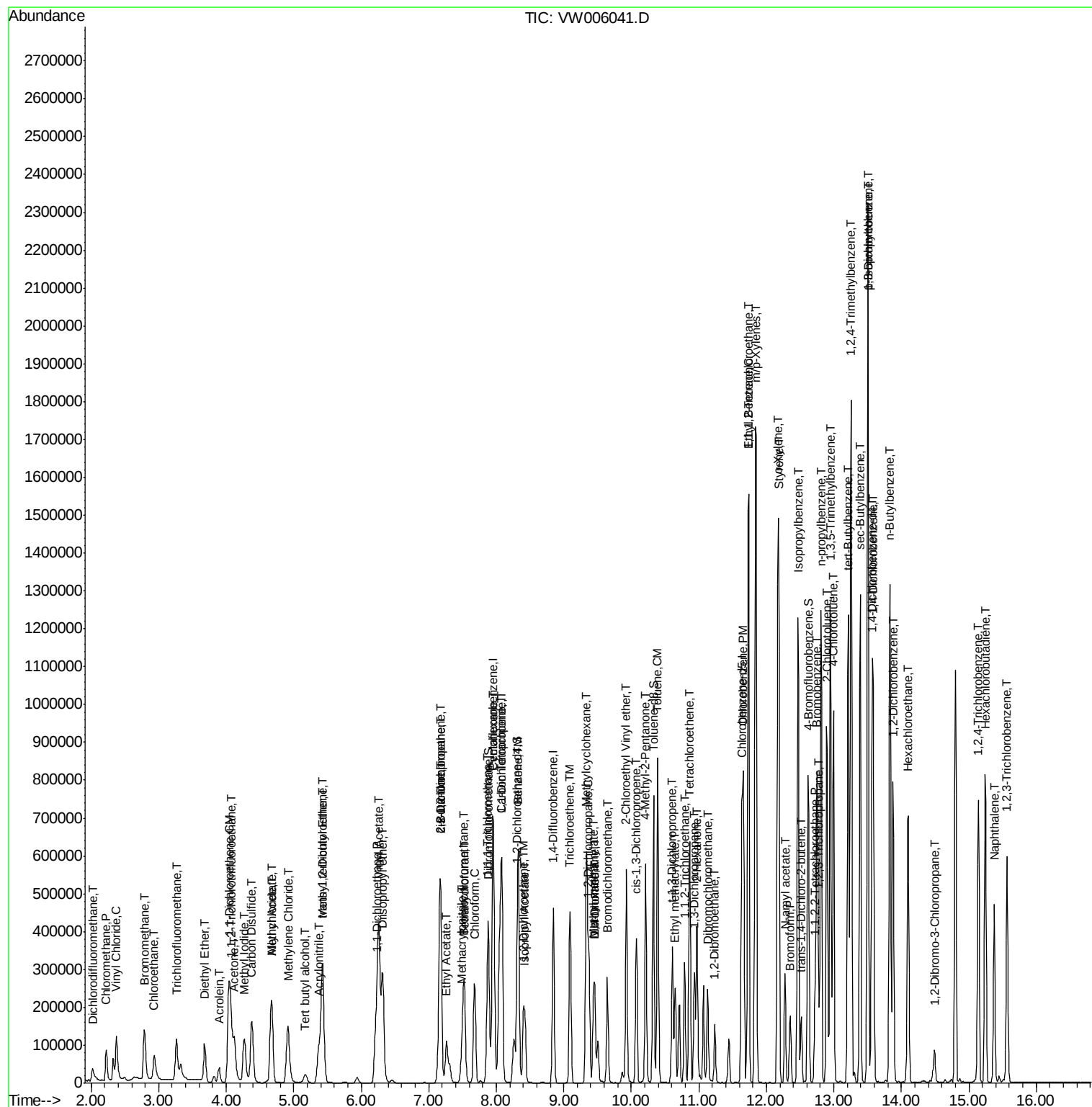
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	256180	50.201	ug/l	100
94) Hexachlorobutadiene	15.24	225	166735	52.346	ug/l	100
95) Naphthalene	15.38	128	409818	46.591	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	219399	49.654	ug/l	100

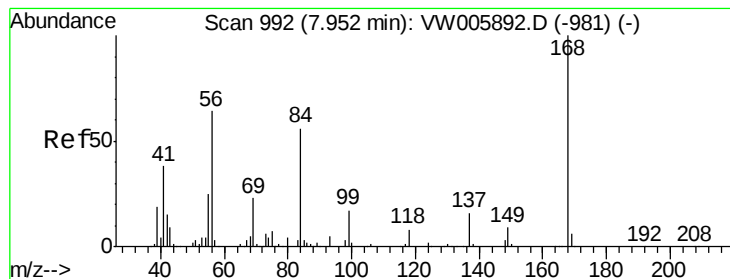
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

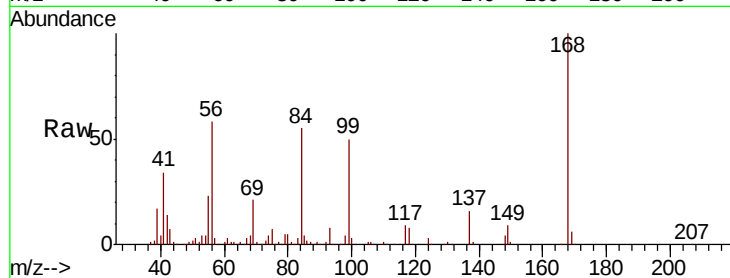
VSTDCCC050

Tgt Ion:168 Resp: 289439

Ion Ratio Lower Upper

168 100

99 49.8 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

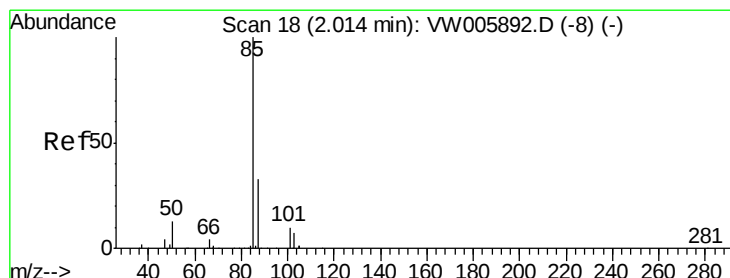
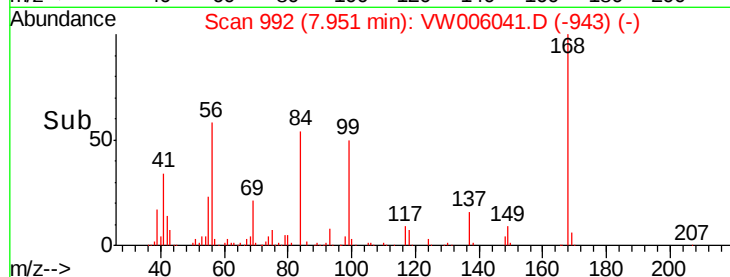
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 56.827 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW006041.D

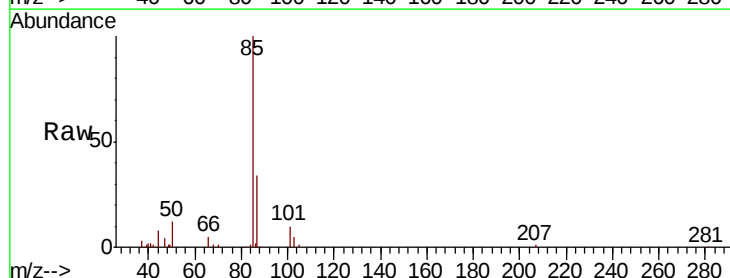
Acq: 12 Oct 2018 11:09

Tgt Ion: 85 Resp: 80602

Ion Ratio Lower Upper

85 100

87 33.9 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.02

20000

15000

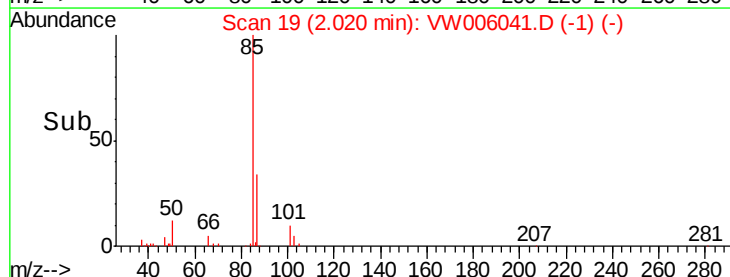
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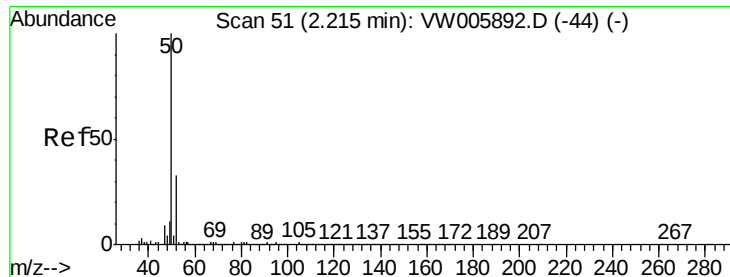
5000

0

1.90 2.00 2.10 2.20 2.30

Time-->





#3

Chloromethane

Concen: 53.414 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

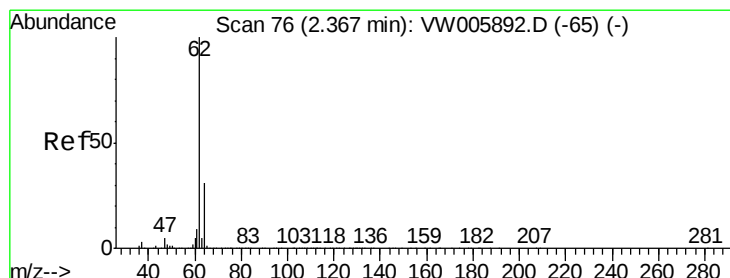
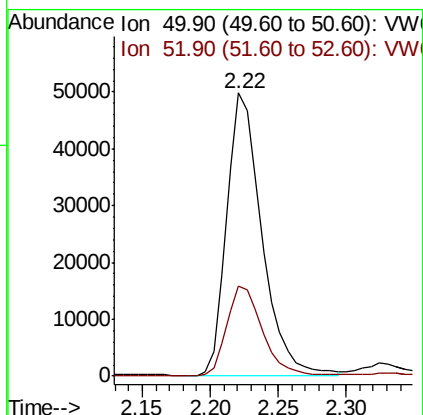
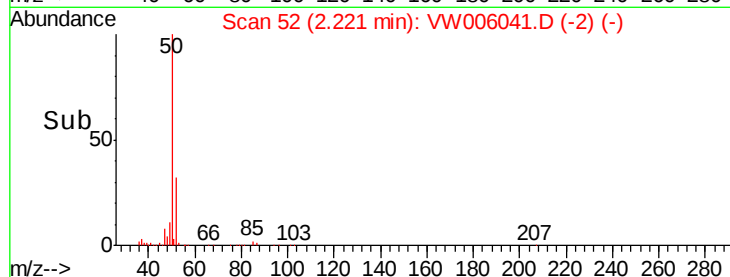
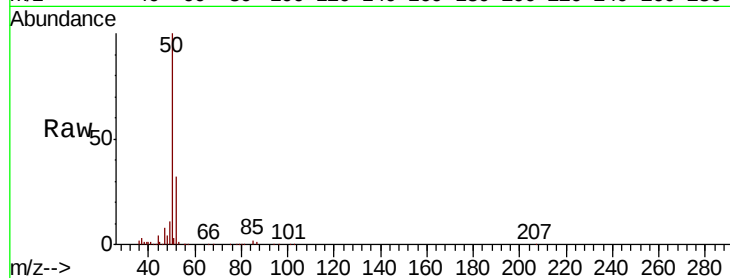
VSTDCCC050

Tgt Ion: 50 Resp: 89114

Ion Ratio Lower Upper

50 100

52 32.1 26.7 40.1



#4

Vinyl Chloride

Concen: 53.447 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW006041.D

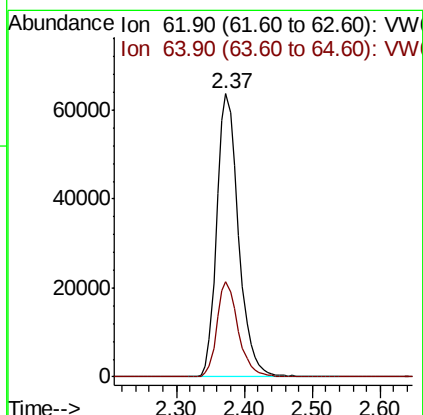
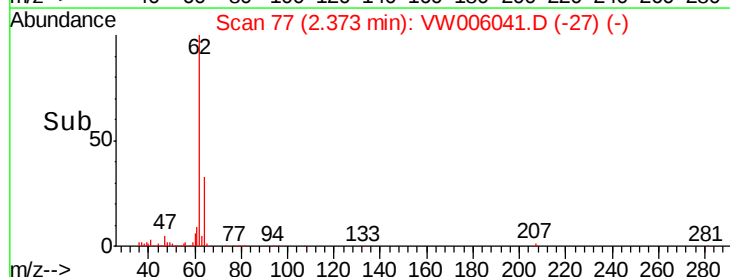
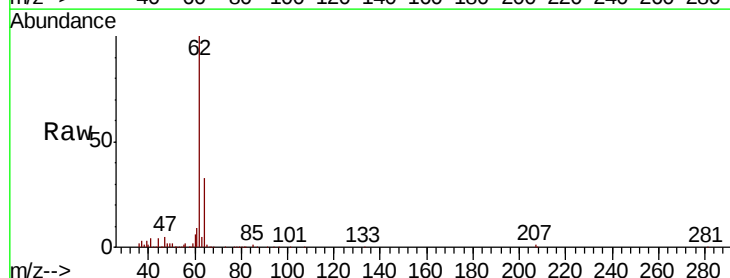
Acq: 12 Oct 2018 11:09

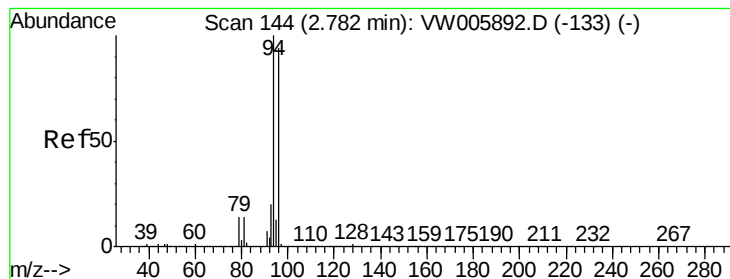
Tgt Ion: 62 Resp: 141565

Ion Ratio Lower Upper

62 100

64 33.5 24.6 36.8





#5

Bromomethane

Concen: 54.348 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

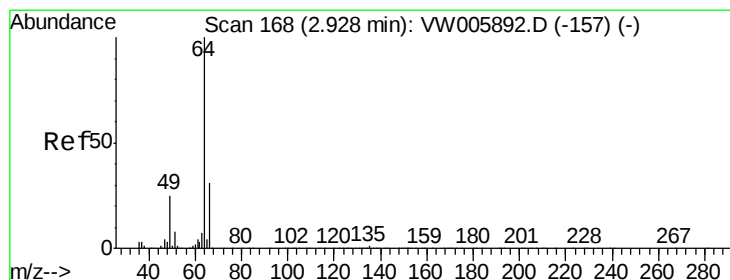
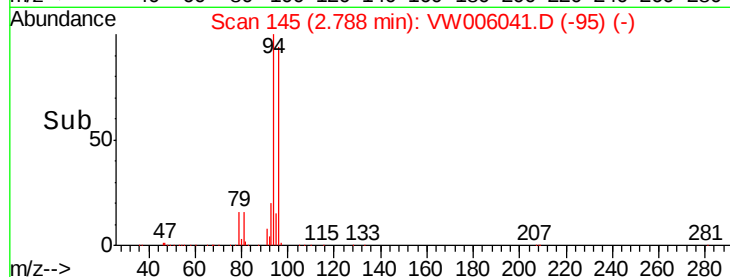
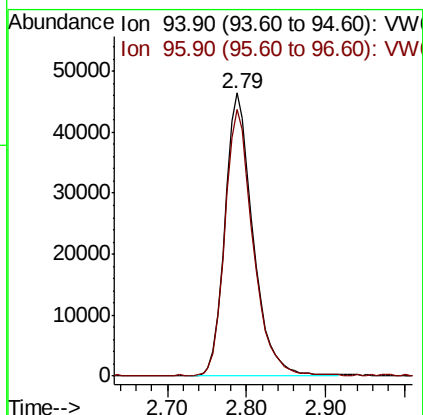
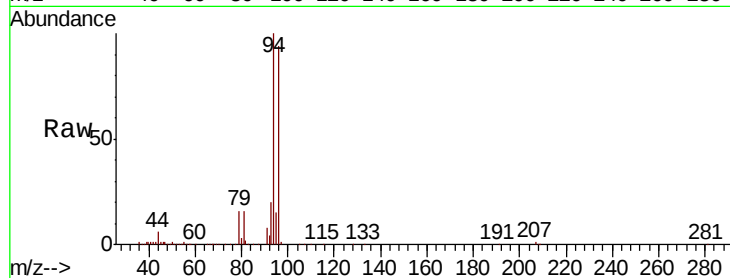
VSTDCCC050

Tgt Ion: 94 Resp: 113609

Ion Ratio Lower Upper

94 100

96 94.1 75.0 112.4



#6

Chloroethane

Concen: 53.762 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW006041.D

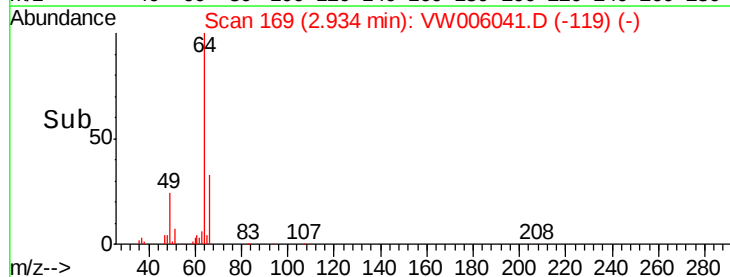
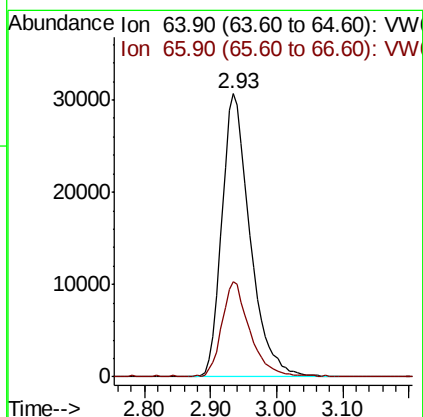
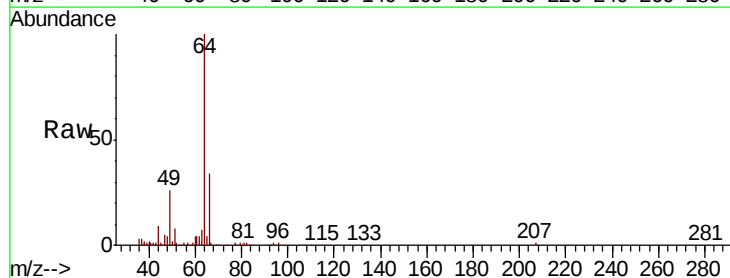
Acq: 12 Oct 2018 11:09

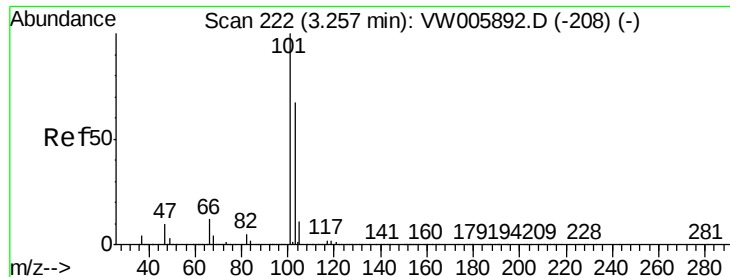
Tgt Ion: 64 Resp: 90725

Ion Ratio Lower Upper

64 100

66 33.4 25.0 37.4



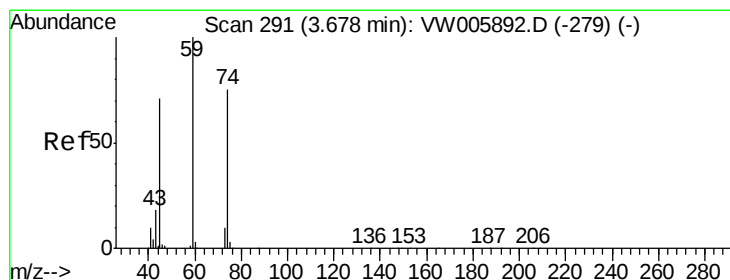
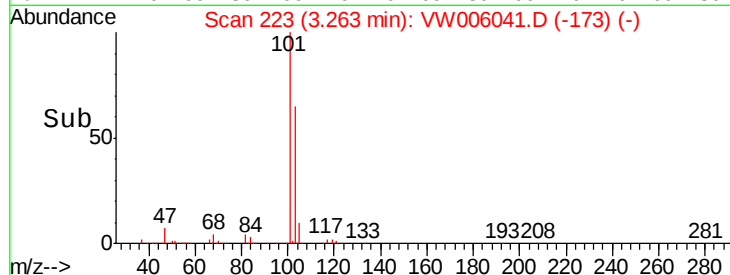
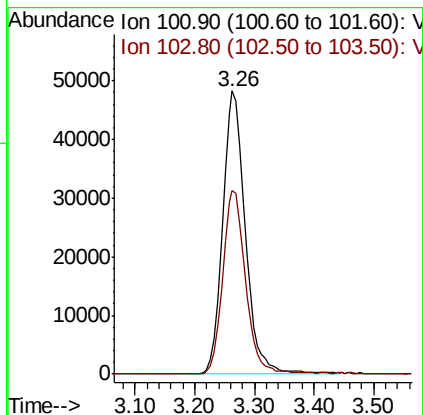
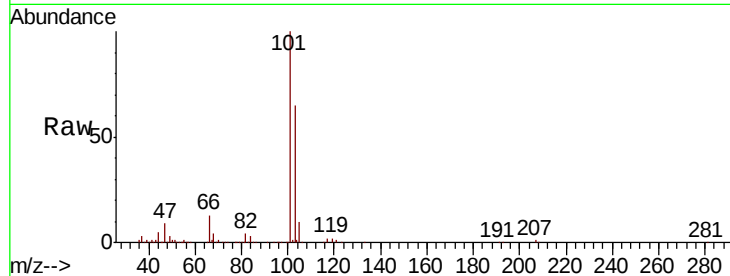


#7

Trichlorofluoromethane
Concen: 60.699 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.01 min
Lab File: VW006041.D
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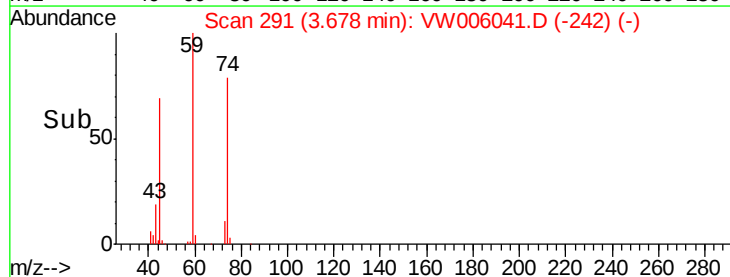
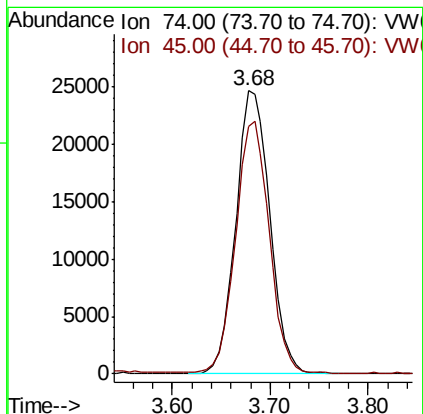
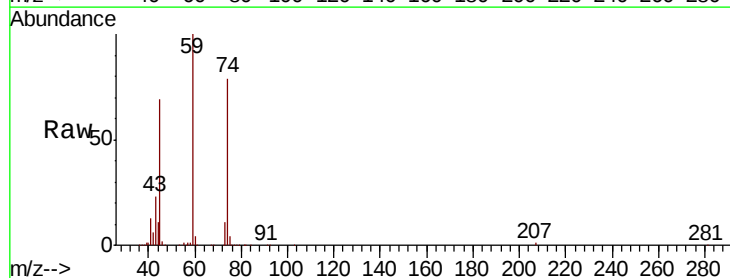
Tgt Ion: 101 Resp: 127620
Ion Ratio Lower Upper
101 100
103 65.0 53.5 80.3

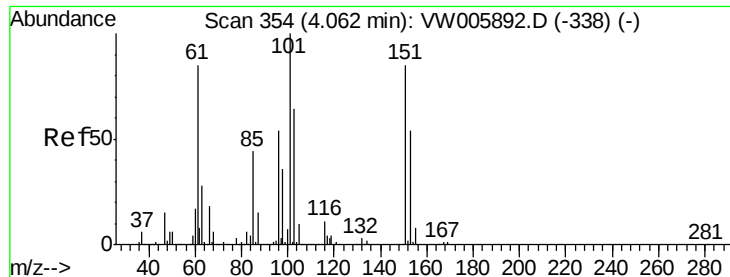


#8

Diethyl Ether
Concen: 45.836 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

Tgt Ion: 74 Resp: 59310
Ion Ratio Lower Upper
74 100
45 87.5 46.8 140.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.042 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

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VSTDCCC050

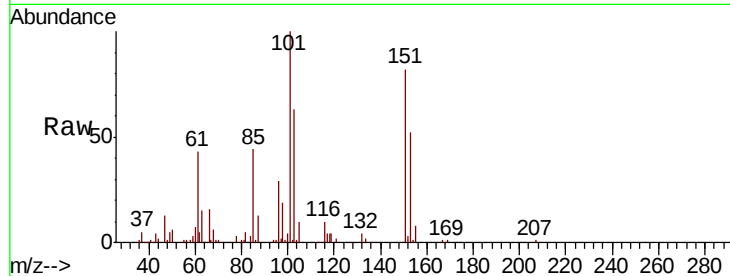
Tgt Ion:101 Resp: 135431

Ion Ratio Lower Upper

101 100

85 44.3 35.1 52.7

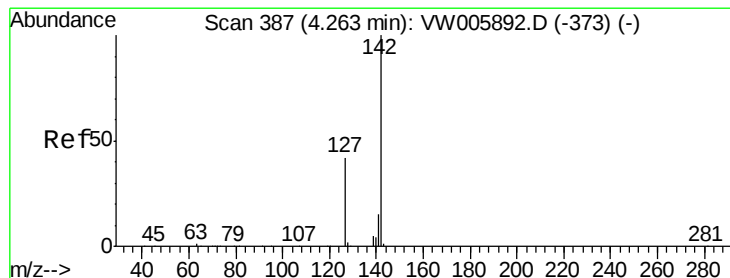
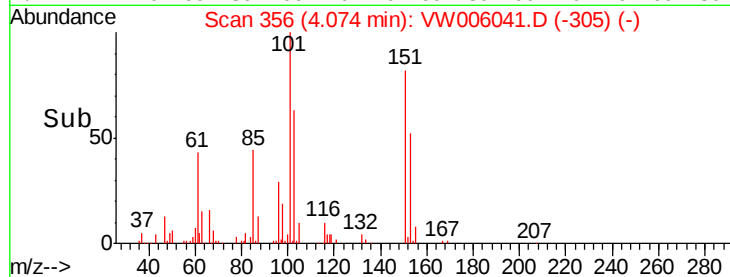
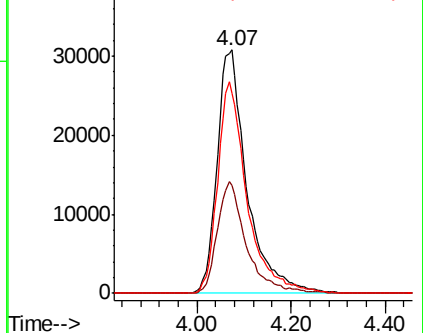
151 85.3 67.7 101.5



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: 50.706 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

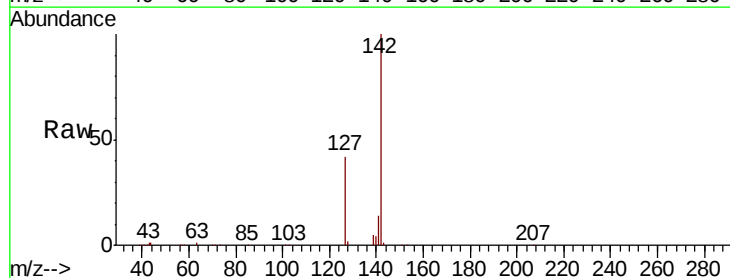
Tgt Ion:142 Resp: 220026

Ion Ratio Lower Upper

142 100

127 42.0 33.7 50.5

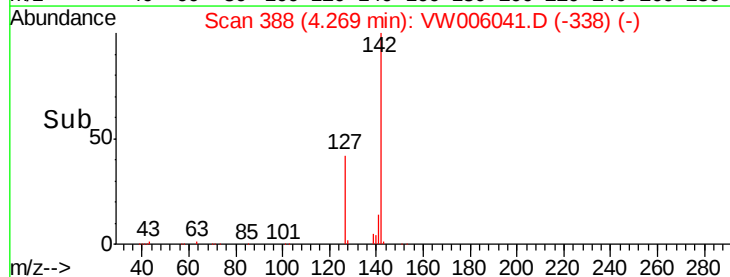
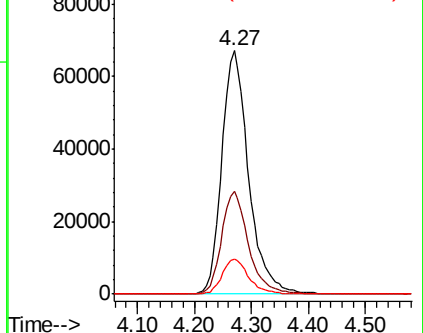
141 14.3 11.5 17.3

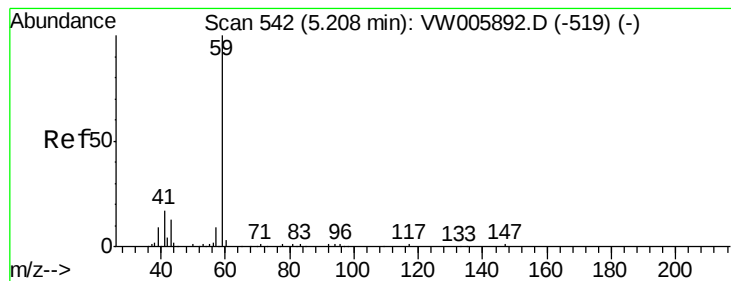


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 212.917 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.04 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

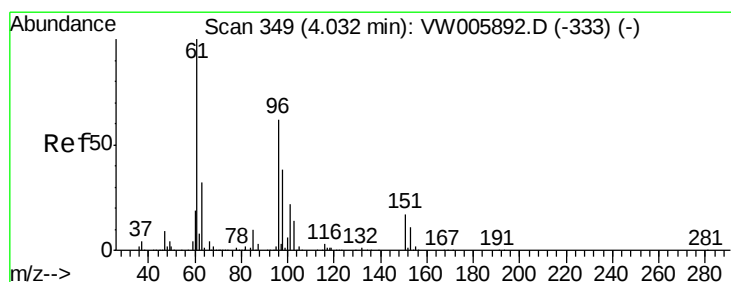
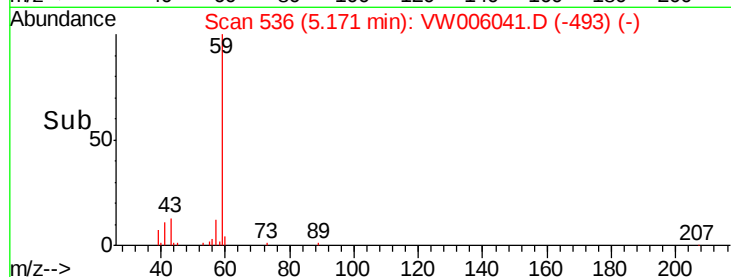
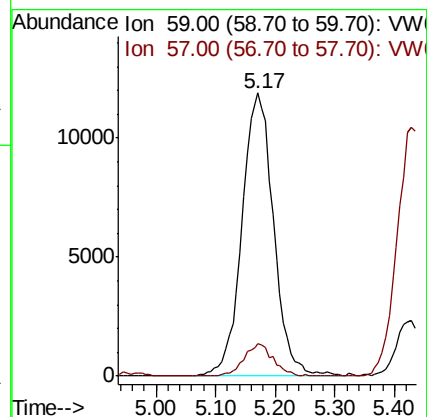
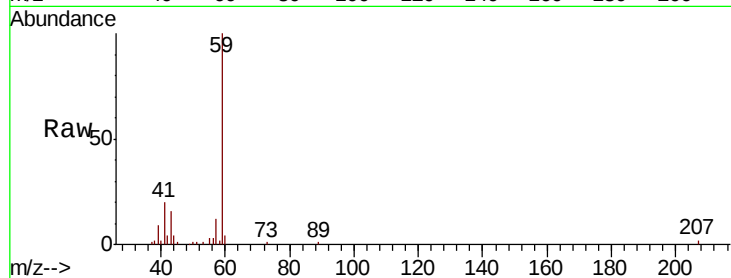
VSTDCCC050

Tgt Ion: 59 Resp: 43845

Ion Ratio Lower Upper

59 100

57 10.5 7.7 11.5



#12

1,1-Dichloroethene

Concen: 49.383 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

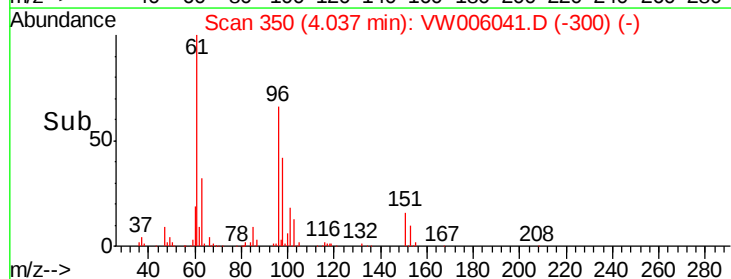
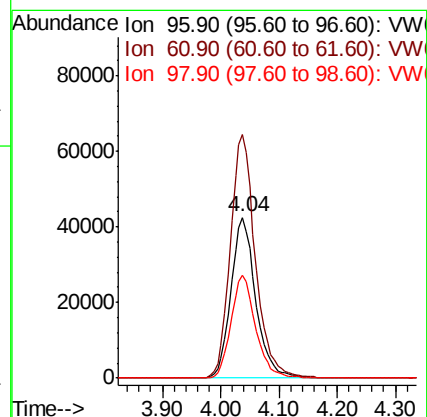
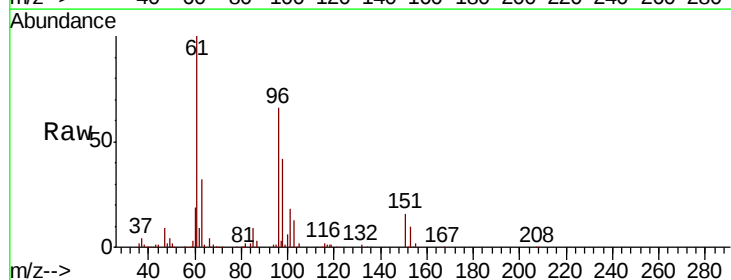
Tgt Ion: 96 Resp: 125827

Ion Ratio Lower Upper

96 100

61 151.4 128.6 193.0

98 63.6 49.4 74.0





#13

Acrolein

Concen: 249.896 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

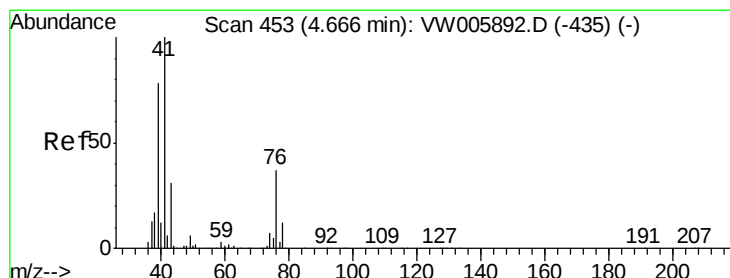
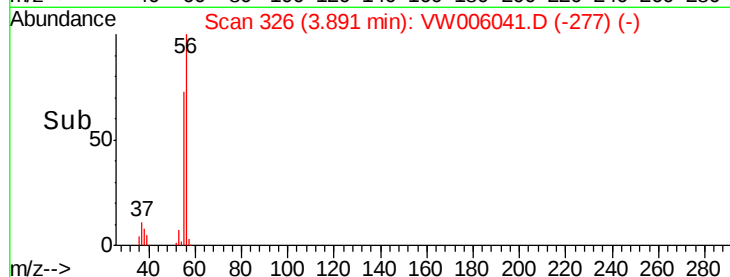
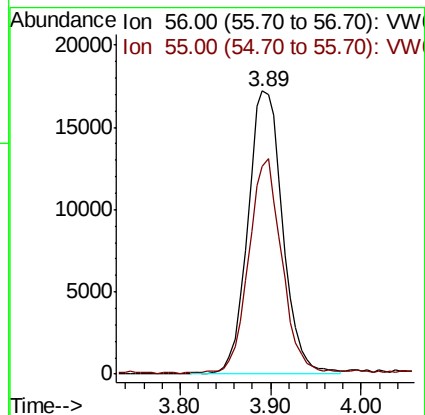
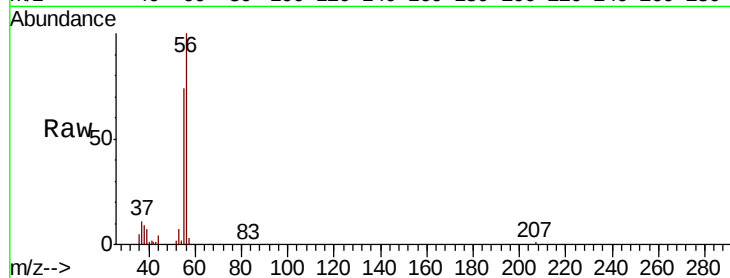
VSTDCCC050

Tgt Ion: 56 Resp: 45858

Ion Ratio Lower Upper

56 100

55 72.0 54.6 82.0



#14

Allyl chloride

Concen: 41.485 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

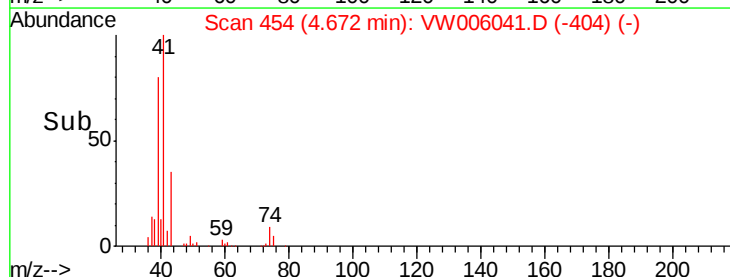
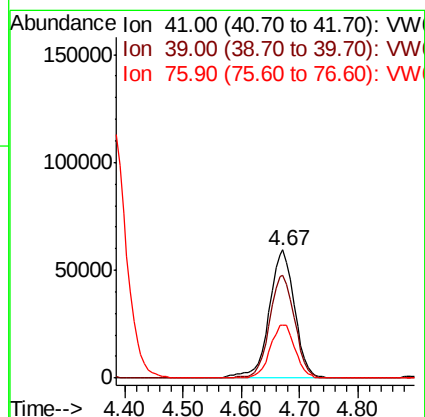
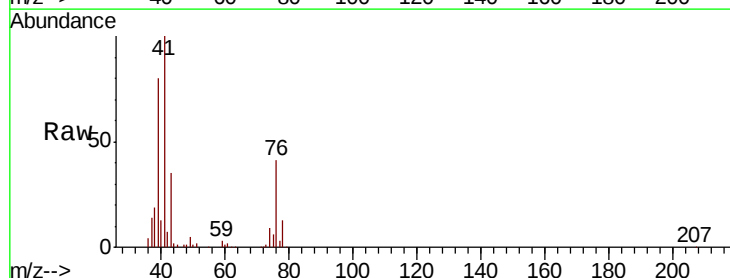
Tgt Ion: 41 Resp: 180254

Ion Ratio Lower Upper

41 100

39 78.8 60.8 91.2

76 40.4 29.6 44.4





#15

Acrylonitrile

Concen: 208.907 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

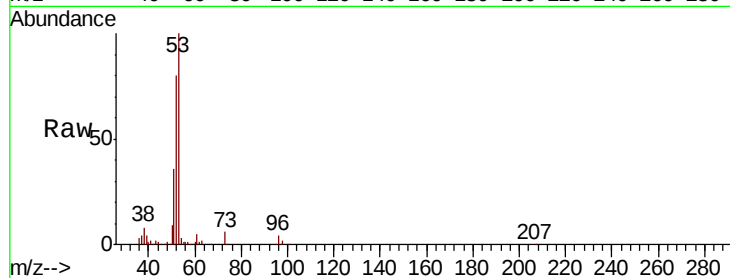
Tgt Ion: 53 Resp: 117641

Ion Ratio Lower Upper

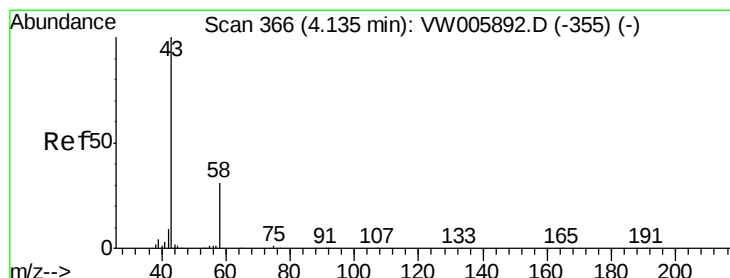
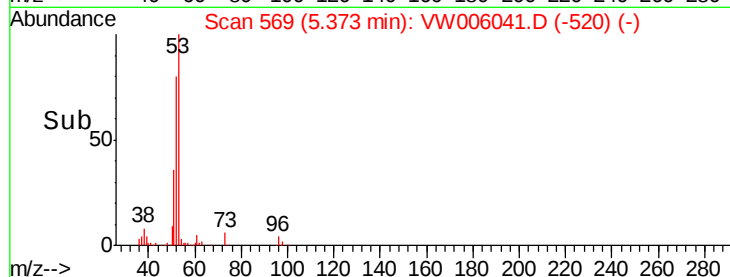
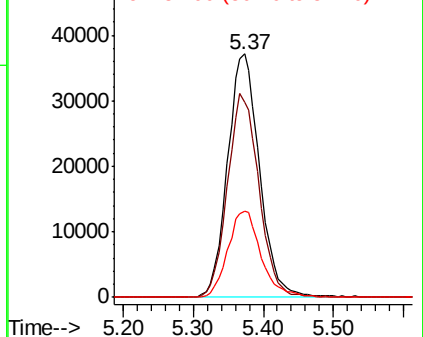
53 100

52 82.4 66.8 100.2

51 37.0 29.8 44.6



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 228.199 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW006041.D

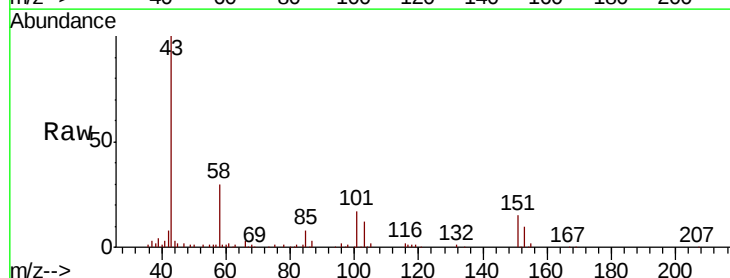
Acq: 12 Oct 2018 11:09

Tgt Ion: 43 Resp: 128074

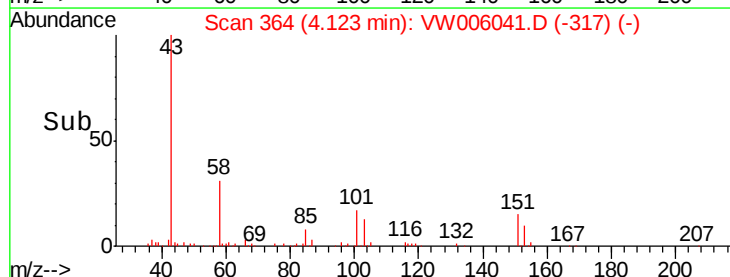
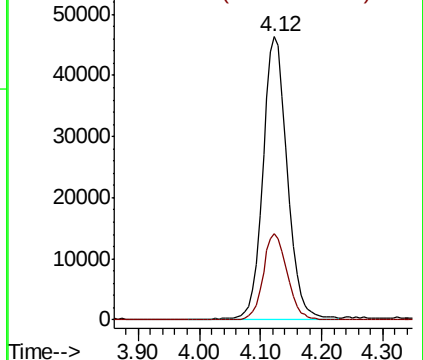
Ion Ratio Lower Upper

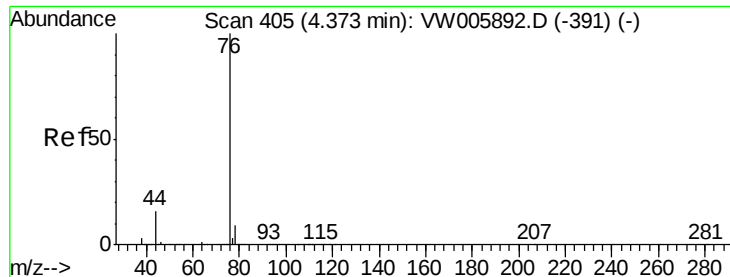
43 100

58 30.5 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

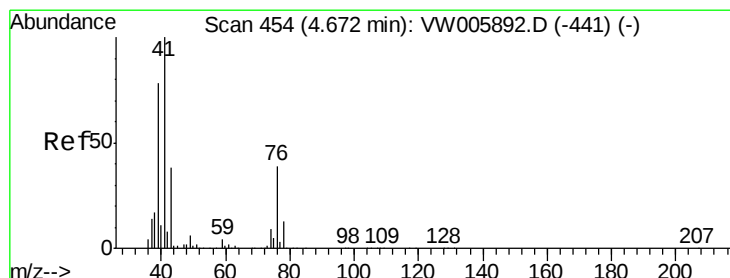
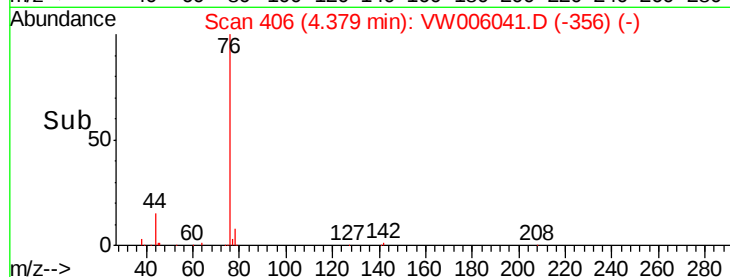
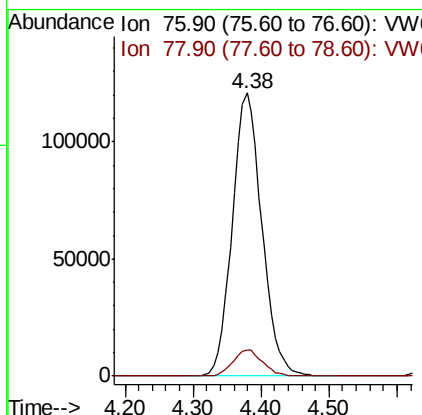
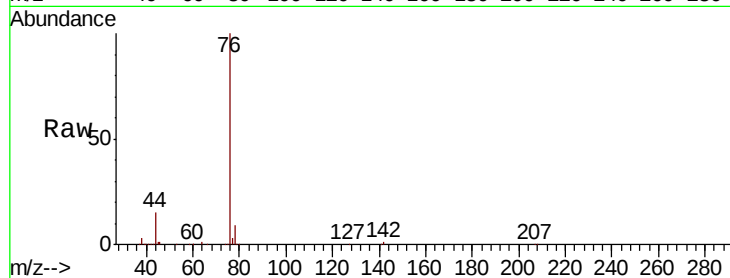




#17
Carbon Disulfide
Concen: 47.377 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

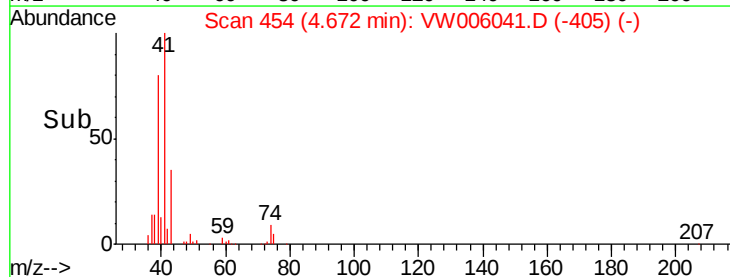
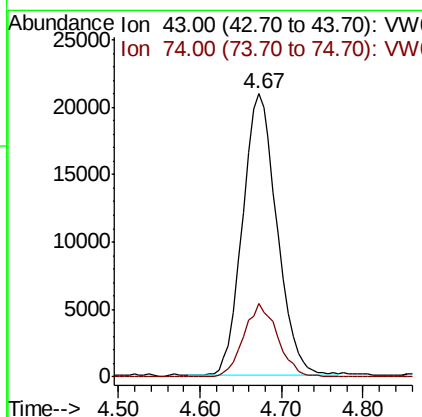
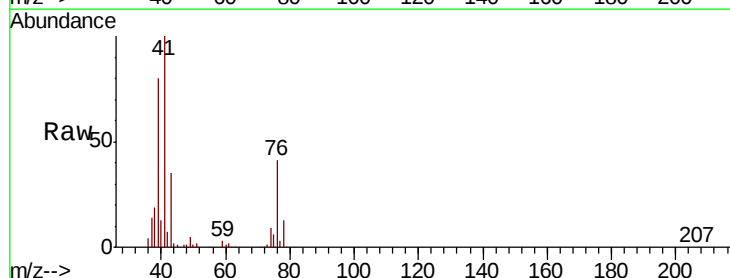
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

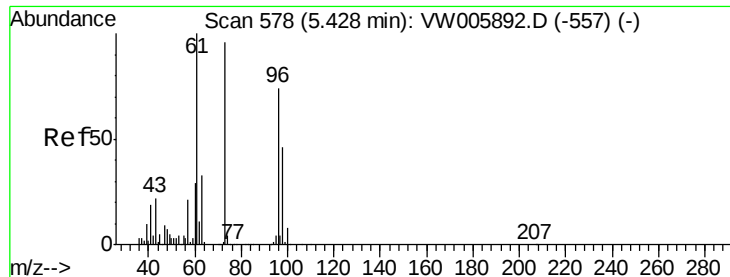
Tgt Ion: 76 Resp: 364947
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 43.123 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

Tgt Ion: 43 Resp: 61074
Ion Ratio Lower Upper
43 100
74 25.7 19.2 28.8

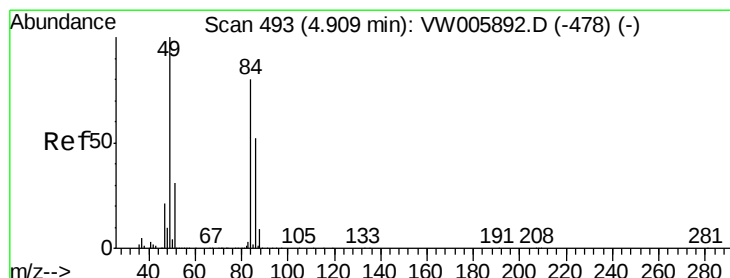
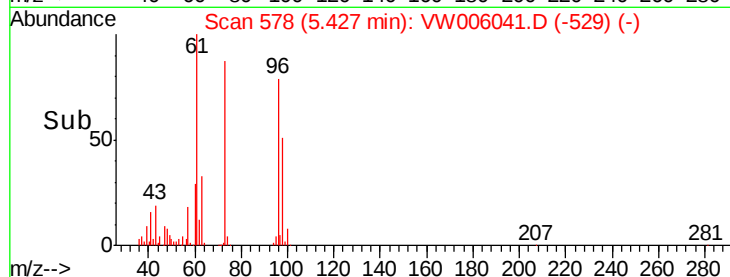
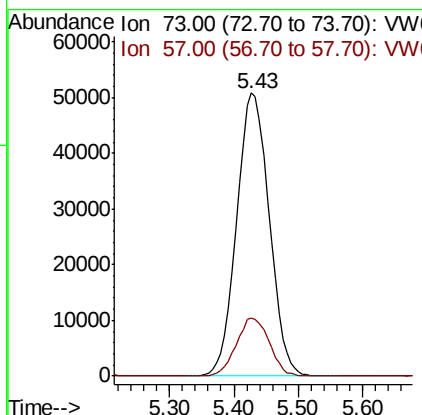
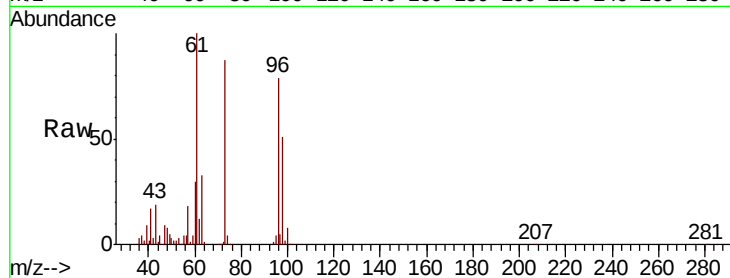




#19
Methyl tert-butyl Ether
Concen: 44.848 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

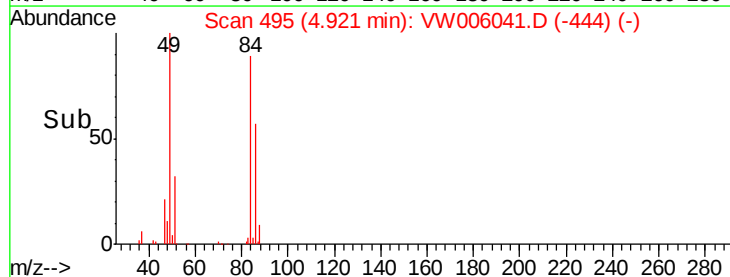
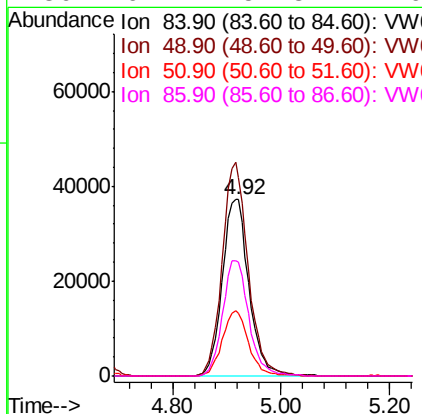
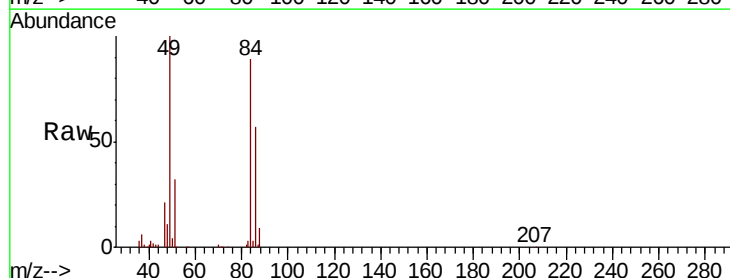
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

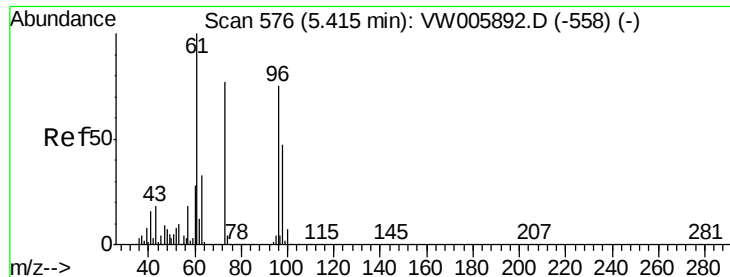
Tgt Ion: 73 Resp: 177778
Ion Ratio Lower Upper
73 100
57 20.6 17.7 26.5



#20
Methylene Chloride
Concen: 45.126 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

Tgt Ion: 84 Resp: 126889
Ion Ratio Lower Upper
84 100
49 112.1 99.9 149.9
51 35.4 31.1 46.7
86 64.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 48.776 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

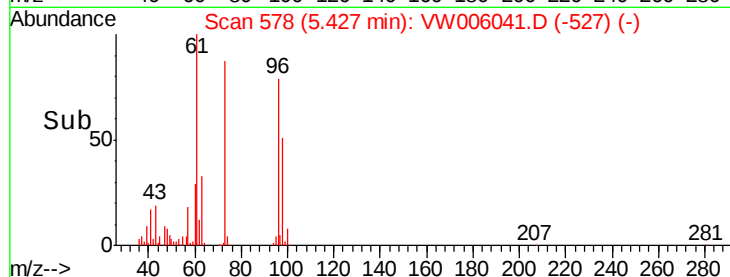
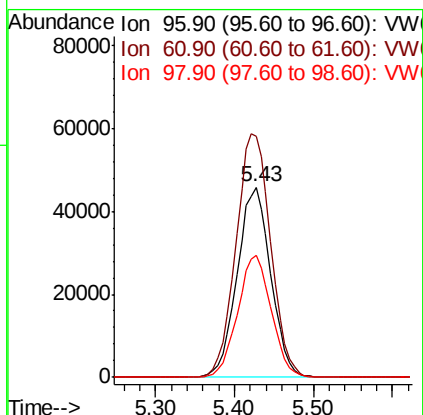
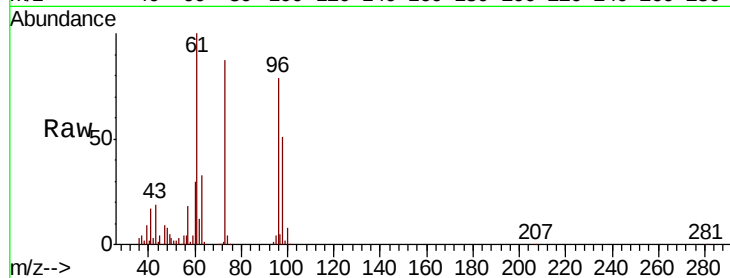
Tgt Ion: 96 Resp: 135454

Ion Ratio Lower Upper

96 100

61 126.9 107.4 161.0

98 64.1 50.8 76.2



#22

Diisopropyl ether

Concen: 43.998 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Tgt Ion: 45 Resp: 357382

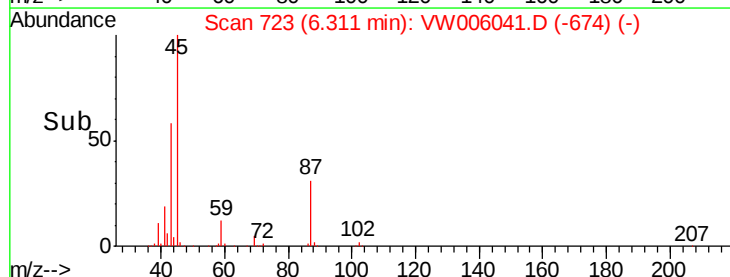
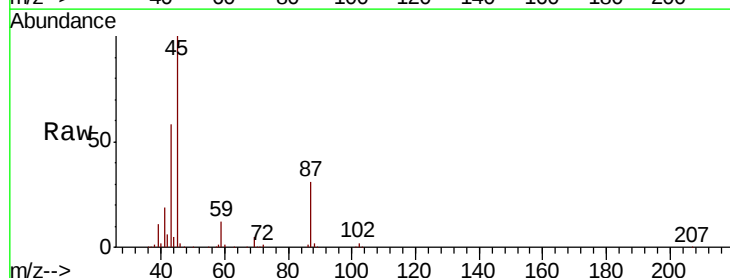
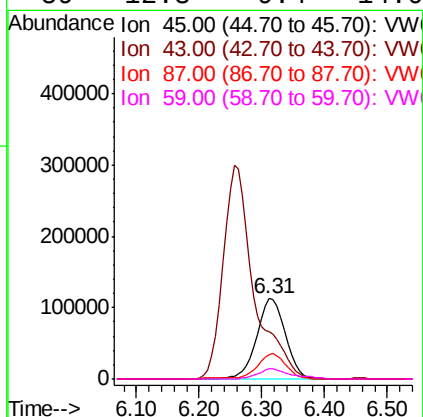
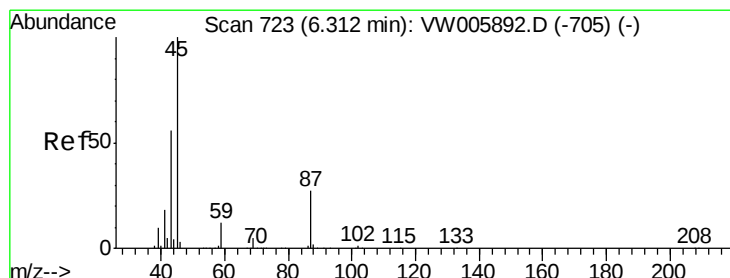
Ion Ratio Lower Upper

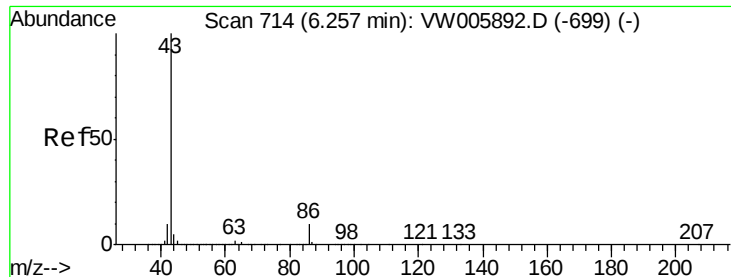
45 100

43 58.2 45.9 68.9

87 30.5 22.2 33.4

59 12.3 9.4 14.0





#23

Vinyl Acetate

Concen: 203.105 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

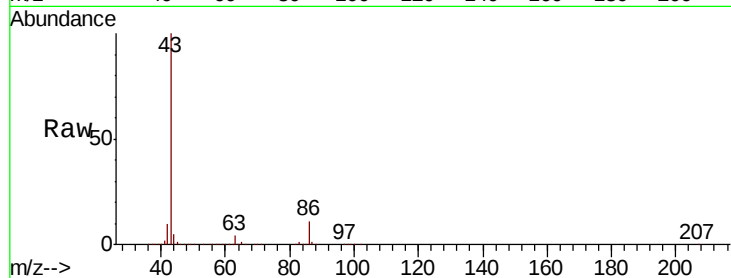
VSTDCCC050

Tgt Ion: 43 Resp: 1015397

Ion Ratio Lower Upper

43 100

86 11.4 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

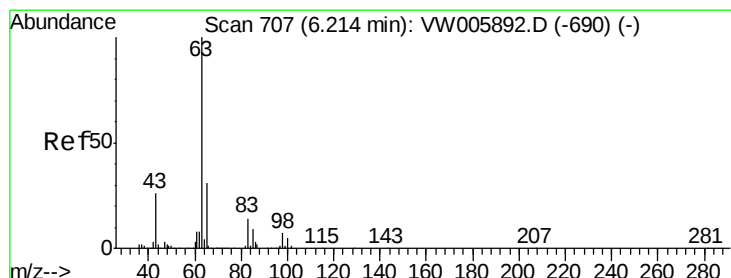
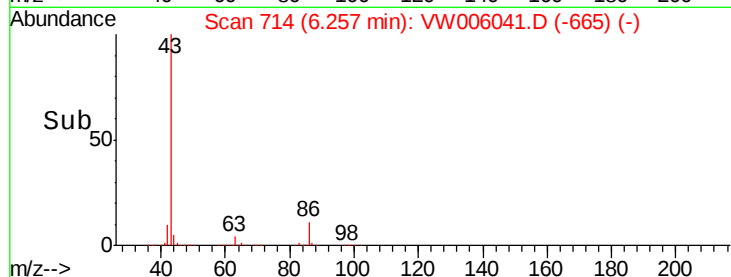
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 46.056 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

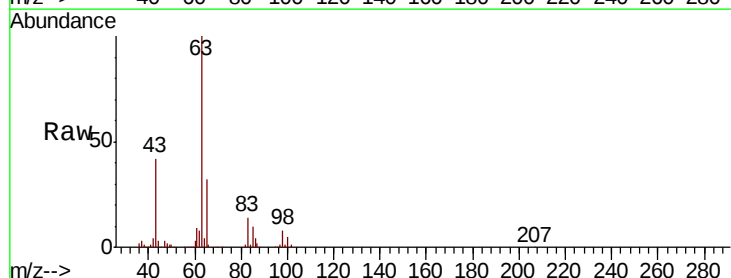
Tgt Ion: 63 Resp: 228930

Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.6

100 4.8 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.22

100000

80000

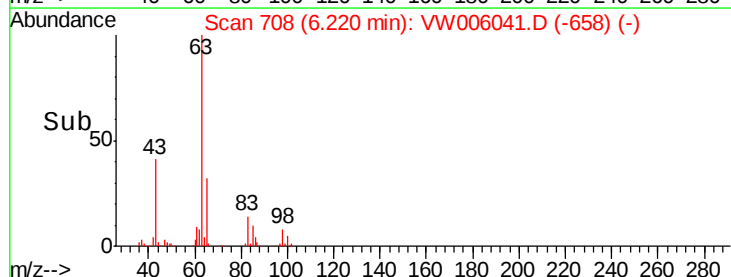
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 203.797 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

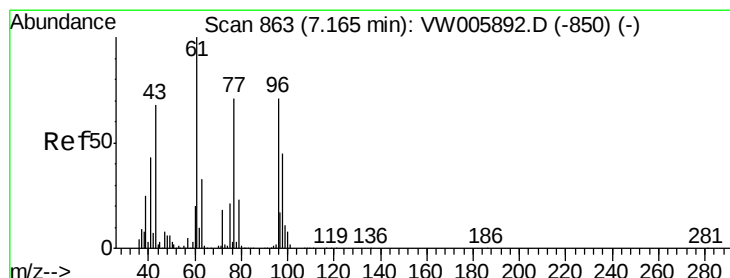
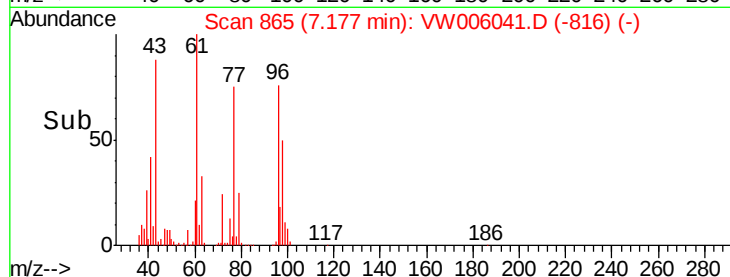
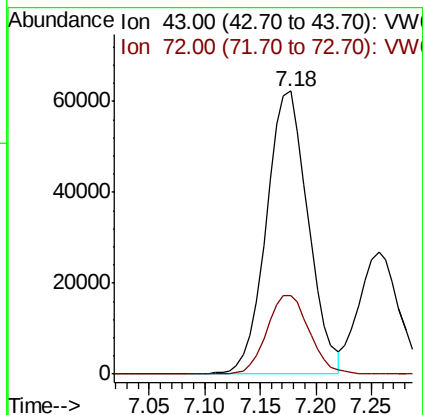
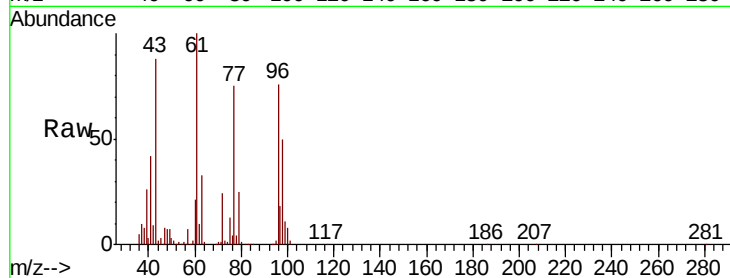
VSTDCCC050

Tgt Ion: 43 Resp: 162684

Ion Ratio Lower Upper

43 100

72 27.7 21.0 31.4



#26

2,2-Dichloropropane

Concen: 47.956 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW006041.D

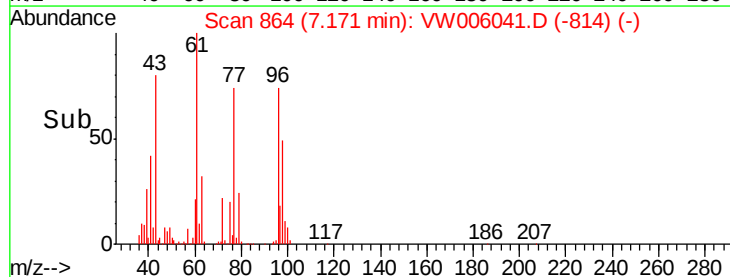
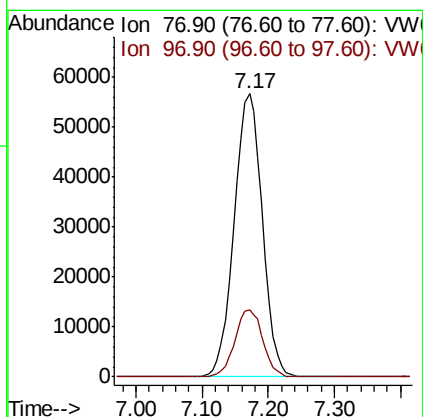
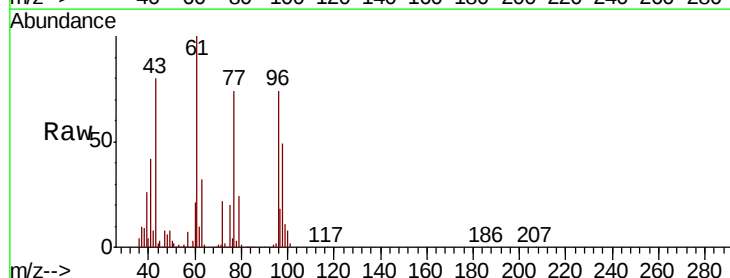
Acq: 12 Oct 2018 11:09

Tgt Ion: 77 Resp: 167762

Ion Ratio Lower Upper

77 100

97 23.3 11.9 35.7



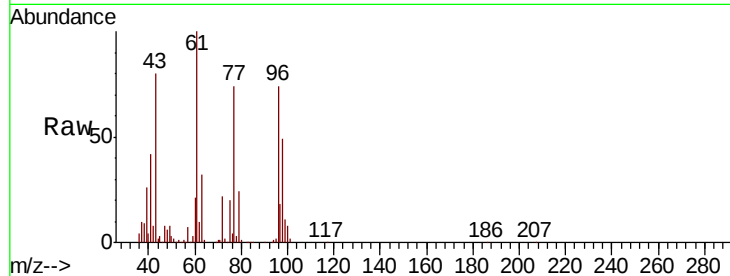


#27

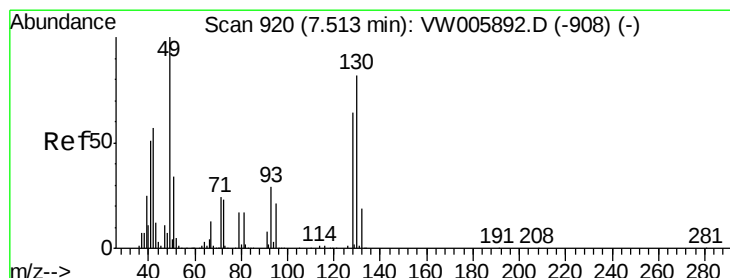
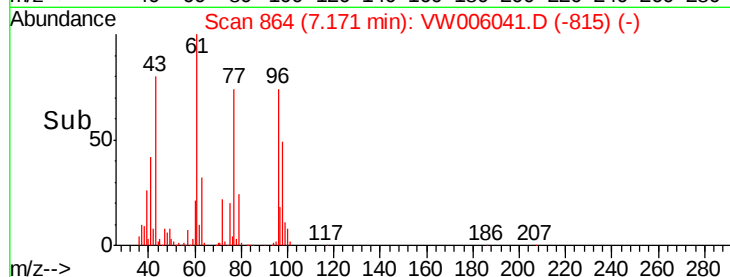
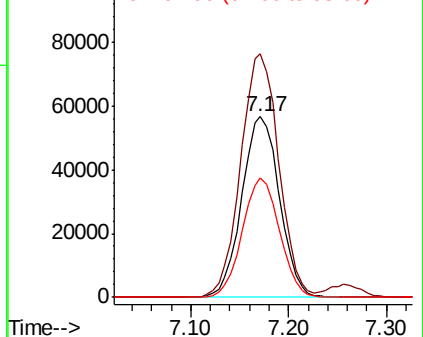
cis-1,2-Dichloroethene
Concen: 48.118 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 151119
Ion Ratio Lower Upper
96 100
61 136.9 0.0 284.0
98 65.5 0.0 129.8



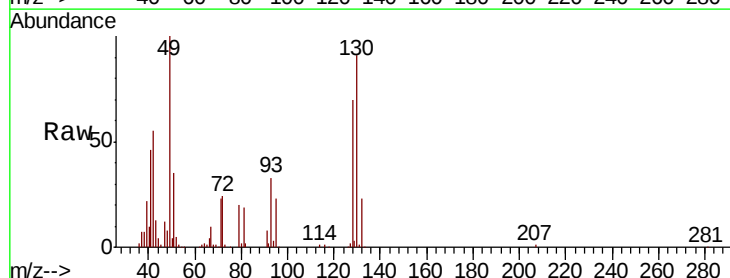
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



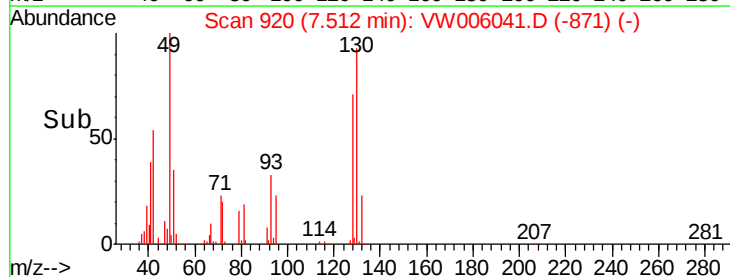
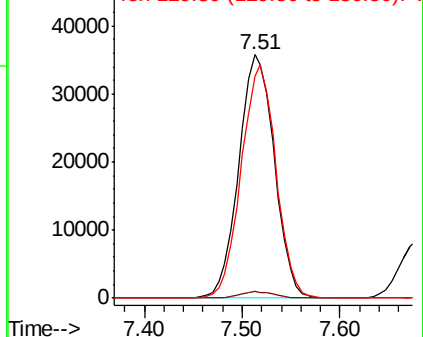
#28

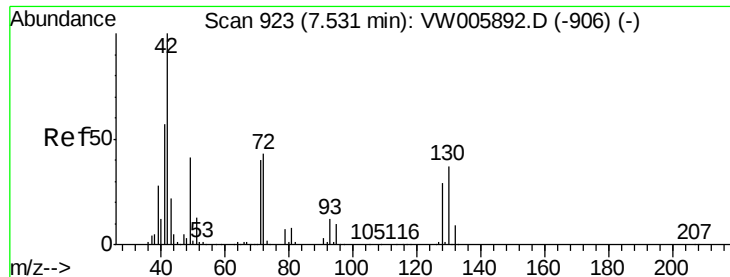
Bromochloromethane
Concen: 49.223 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

Tgt Ion: 49 Resp: 90313
Ion Ratio Lower Upper
49 100
129 2.4 0.0 5.0
130 93.5 66.9 100.3



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

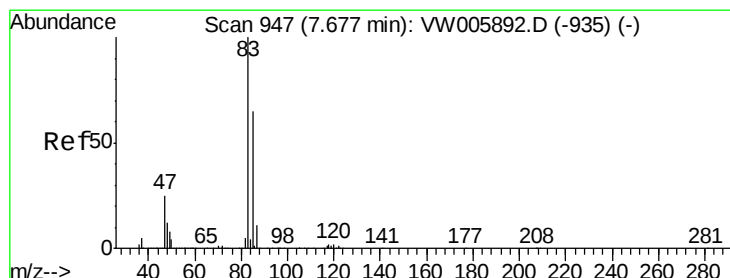
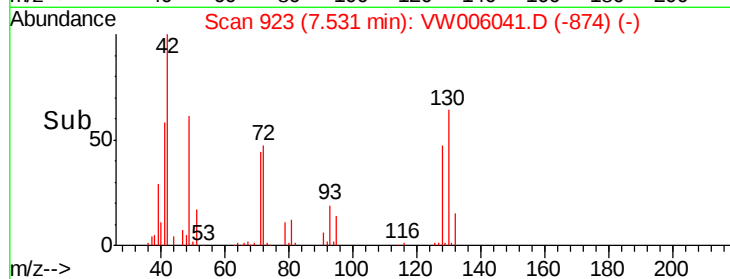
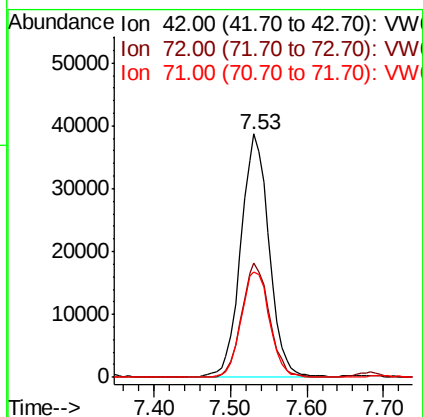
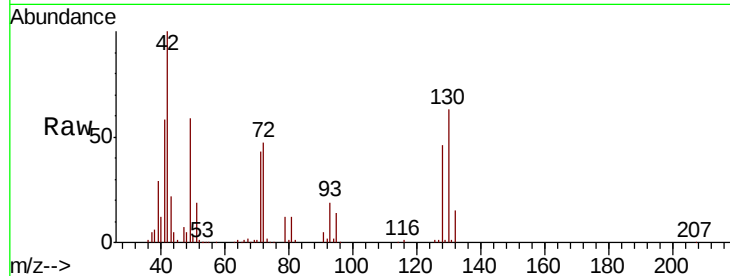




#29
Tetrahydrofuran
Concen: 197.468 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

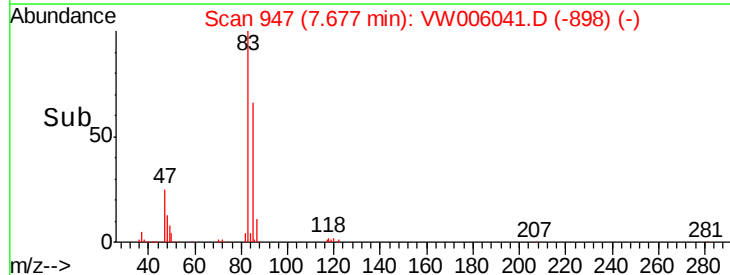
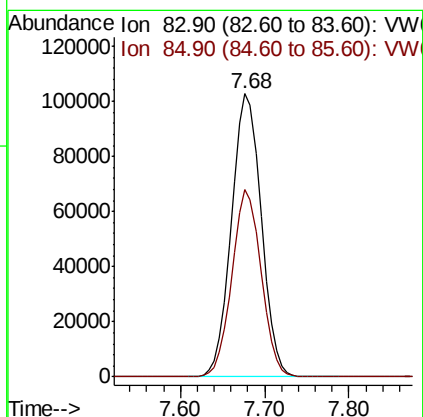
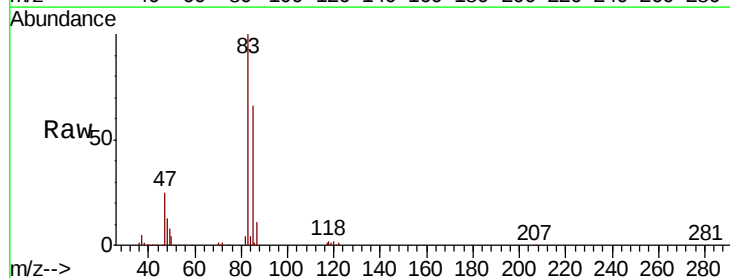
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

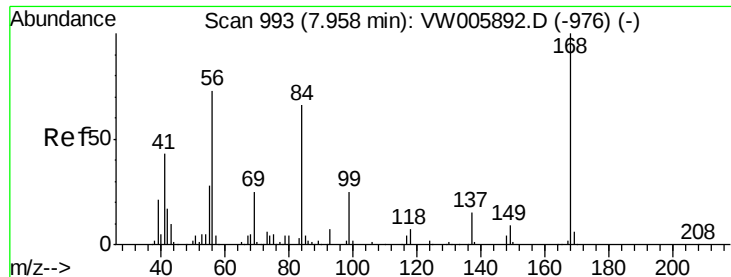
Tgt Ion: 42 Resp: 99646
Ion Ratio Lower Upper
42 100
72 45.9 34.6 51.8
71 43.8 32.6 49.0



#30
Chloroform
Concen: 48.152 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

Tgt Ion: 83 Resp: 245847
Ion Ratio Lower Upper
83 100
85 66.3 51.6 77.4

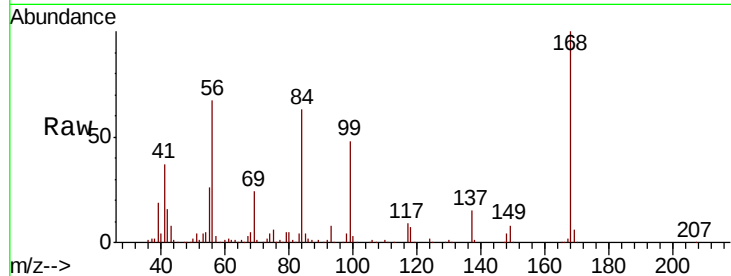




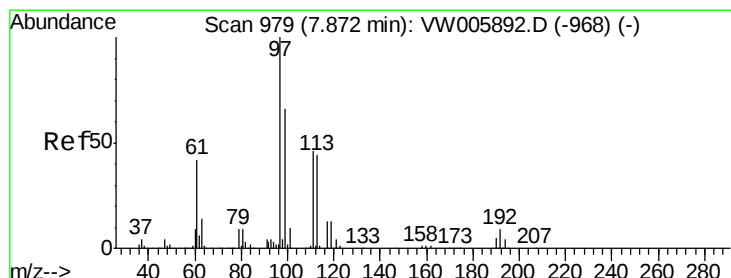
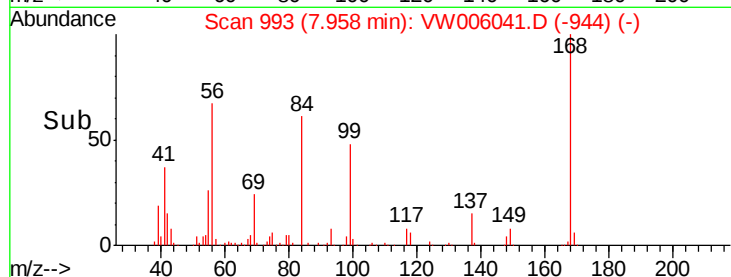
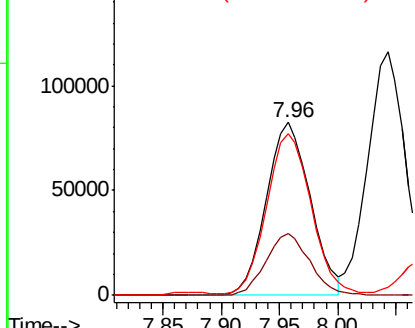
#31
Cyclohexane
Concen: 43.935 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 216117
Ion Ratio Lower Upper
56 100
69 35.6 27.9 41.9
84 91.8 72.3 108.5

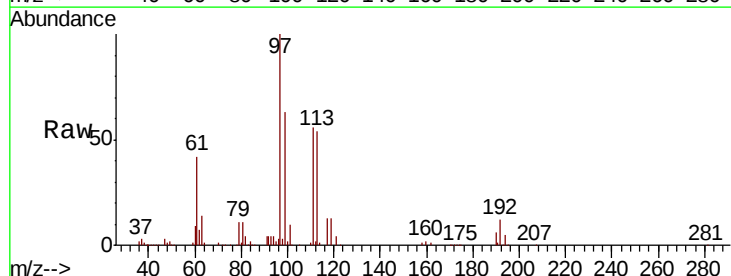


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

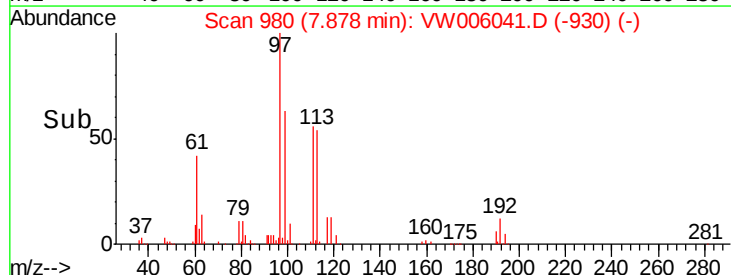
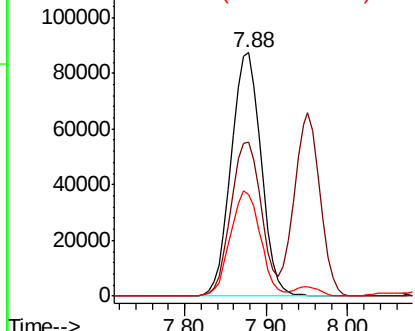


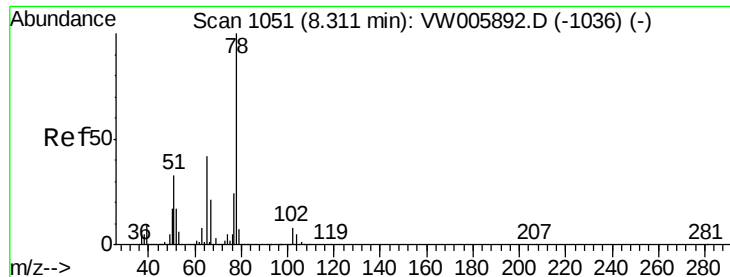
#32
1,1,1-Trichloroethane
Concen: 48.839 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

Tgt Ion: 97 Resp: 222065
Ion Ratio Lower Upper
97 100
99 64.5 51.6 77.4
61 43.4 34.5 51.7



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

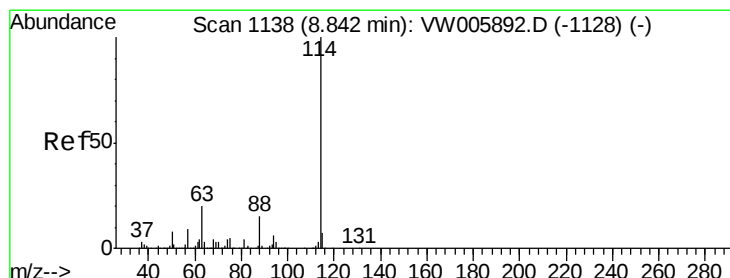
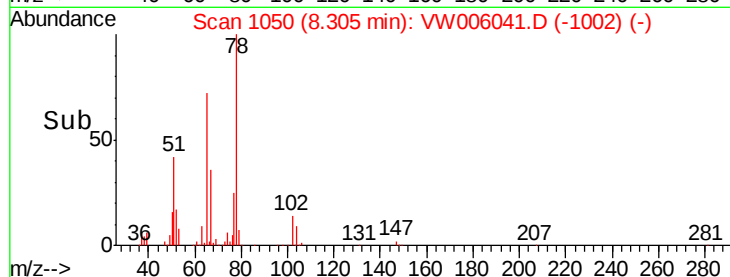
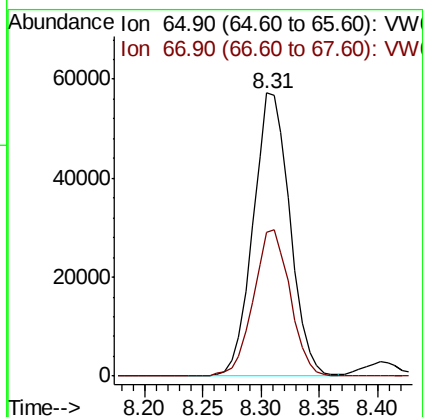
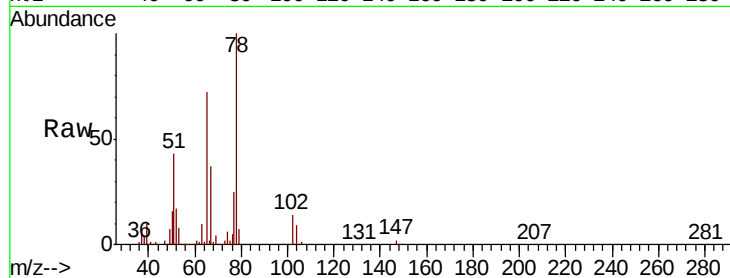




#33
 1,2-Dichloroethane-d4
 Concen: 44.814 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006041.D
 Acq: 12 Oct 2018 11:09

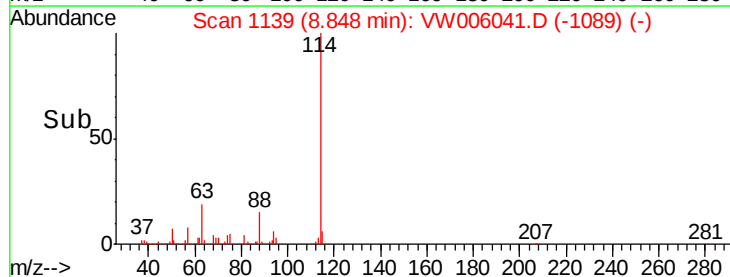
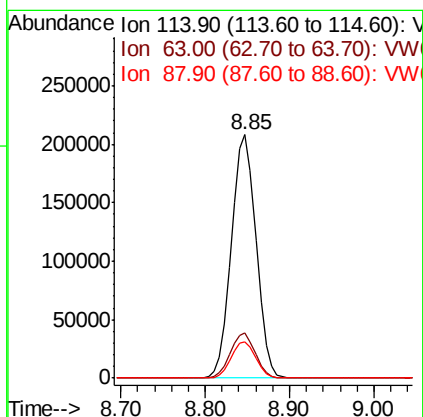
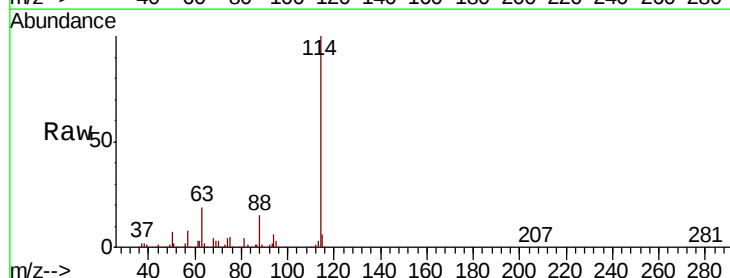
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

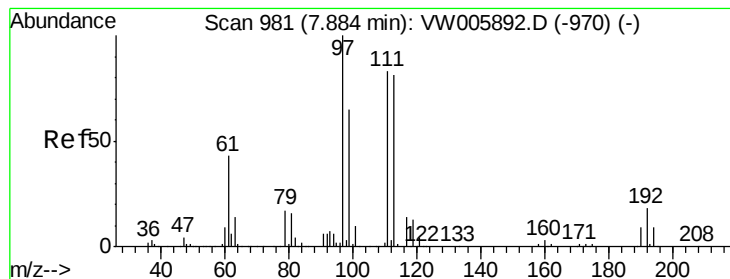
Tgt Ion: 65 Resp: 125918
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW006041.D
 Acq: 12 Oct 2018 11:09

Tgt Ion: 114 Resp: 411366
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.2
 88 15.1 0.0 30.8





#35

Dibromofluoromethane

Concen: 49.621 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

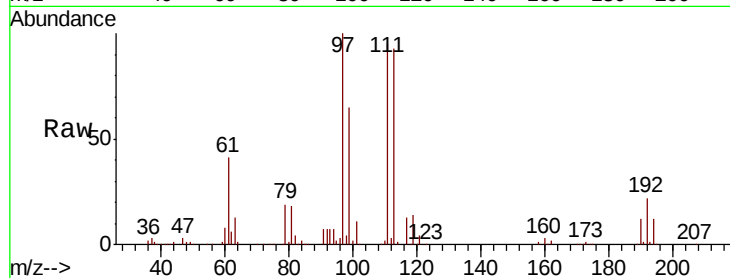
Tgt Ion:113 Resp: 130325

Ion Ratio Lower Upper

113 100

111 102.3 82.0 123.0

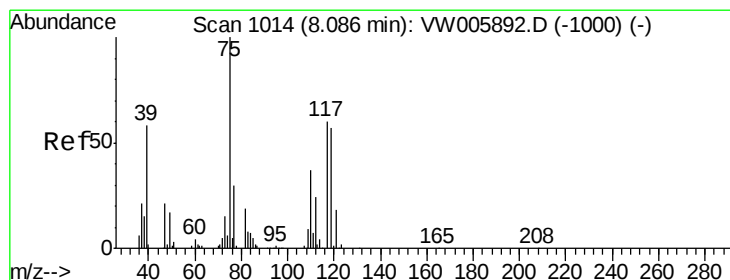
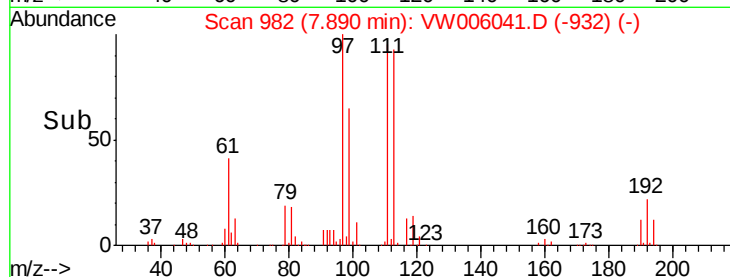
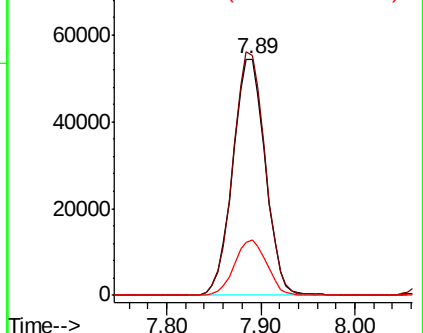
192 23.1 18.3 27.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.806 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

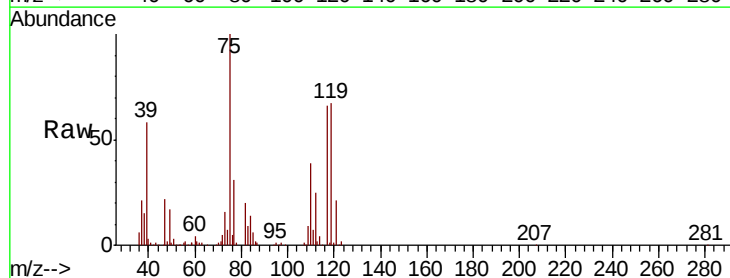
Tgt Ion: 75 Resp: 196320

Ion Ratio Lower Upper

75 100

110 38.2 18.6 56.0

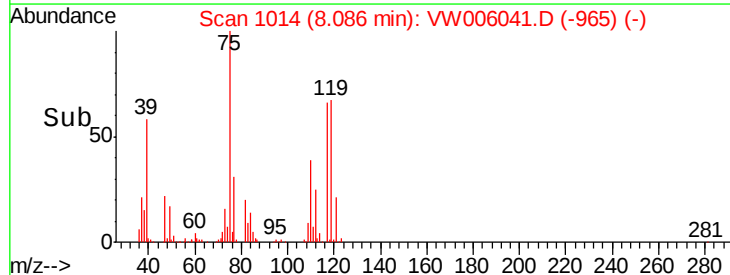
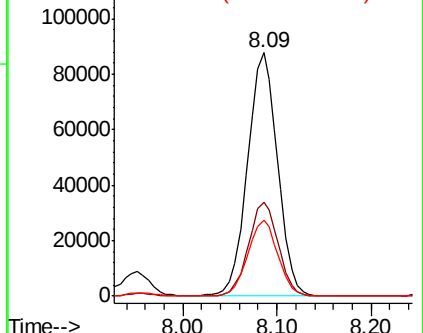
77 31.5 24.7 37.1

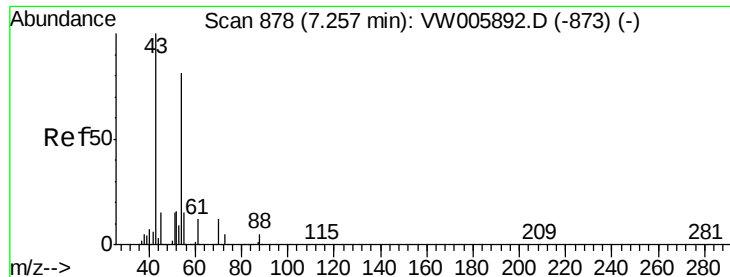


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

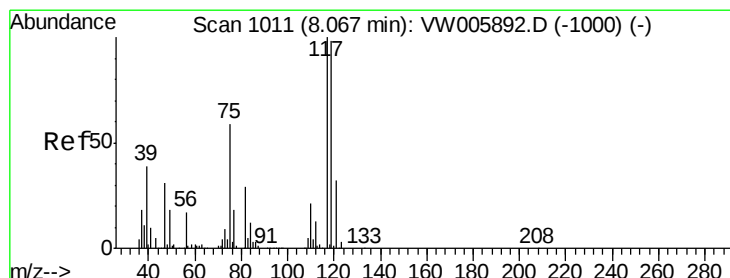
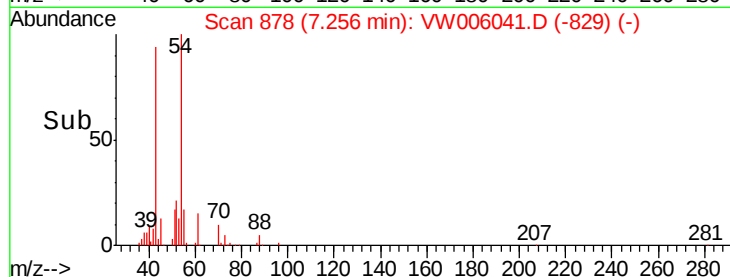
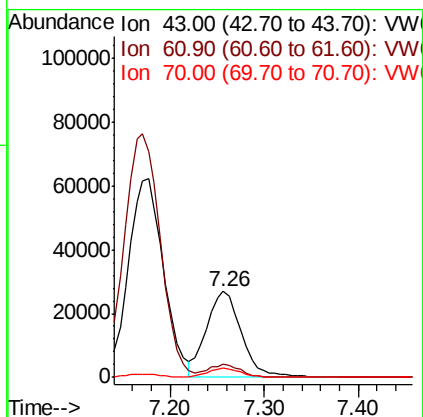
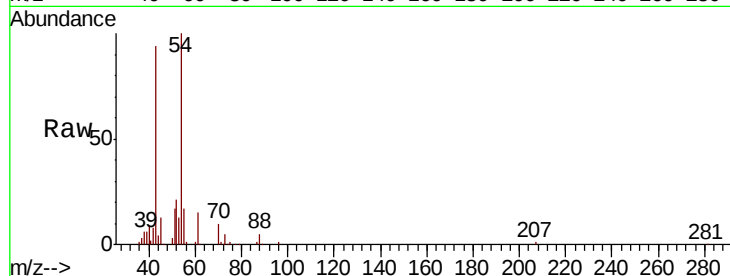




#37
Ethyl Acetate
Concen: 41.193 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

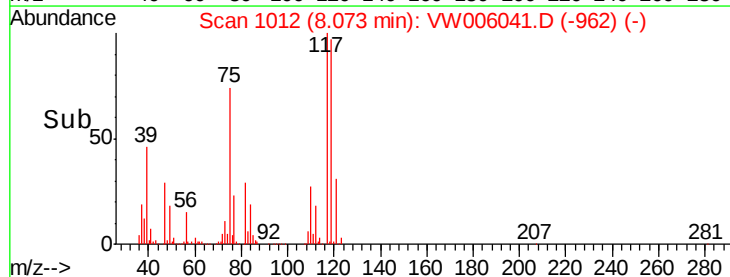
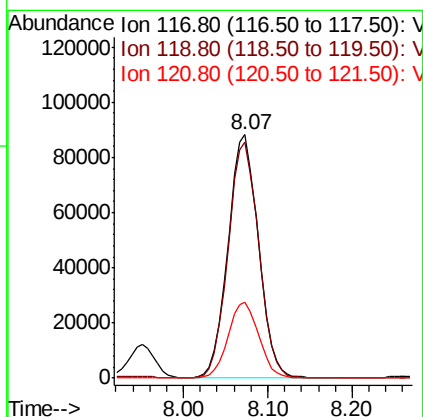
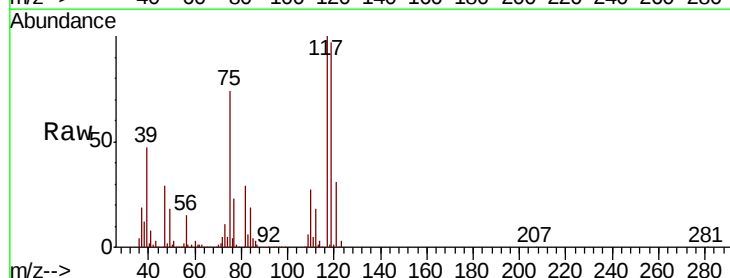
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

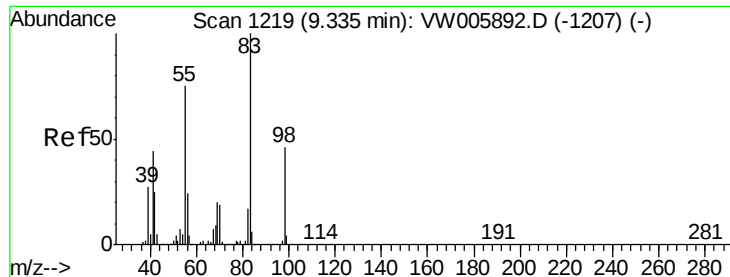
Tgt Ion: 43 Resp: 68759
Ion Ratio Lower Upper
43 100
61 14.4 10.6 16.0
70 10.7 8.6 13.0



#38
Carbon Tetrachloride
Concen: 51.059 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

Tgt Ion: 117 Resp: 216231
Ion Ratio Lower Upper
117 100
119 96.8 78.6 117.8
121 30.9 25.3 37.9

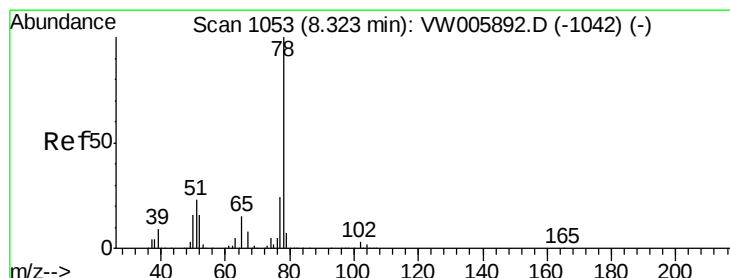
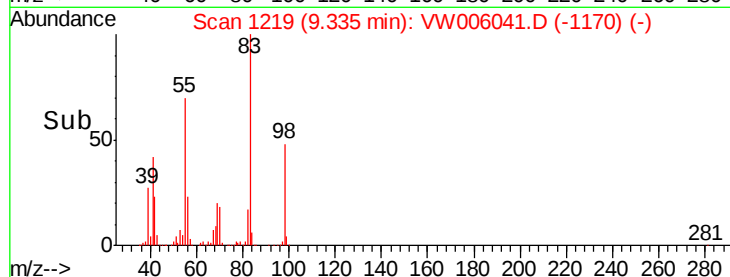
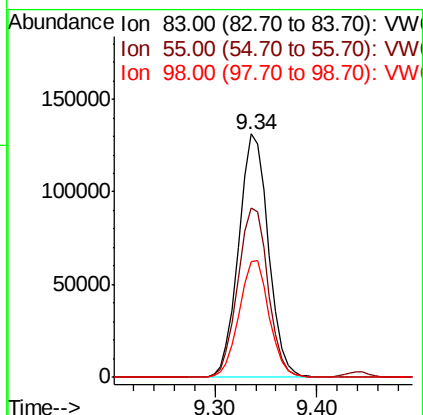
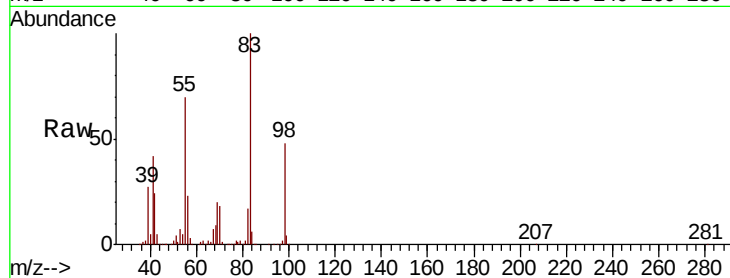




#39
Methylcyclohexane
Concen: 51.067 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

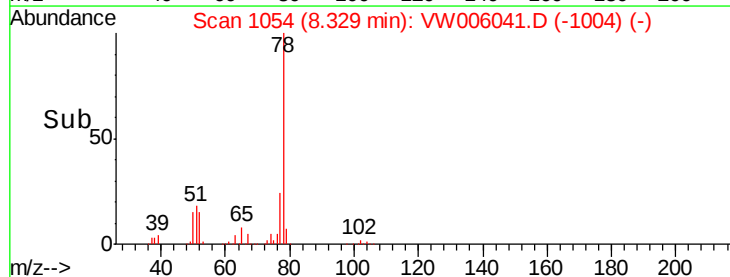
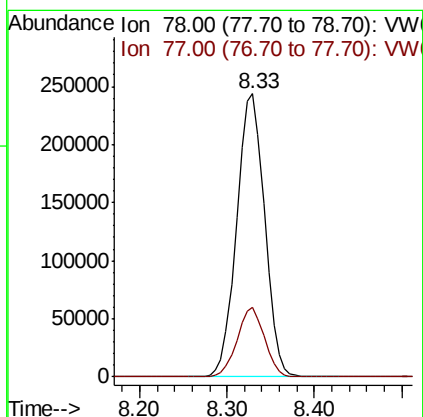
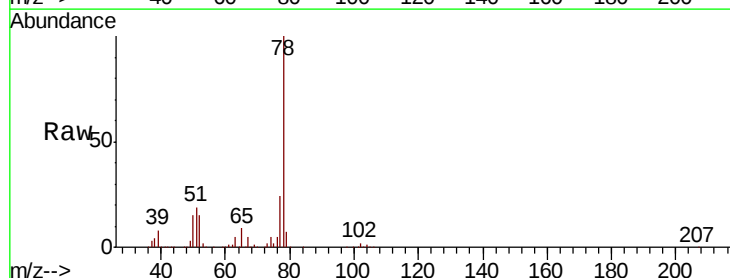
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

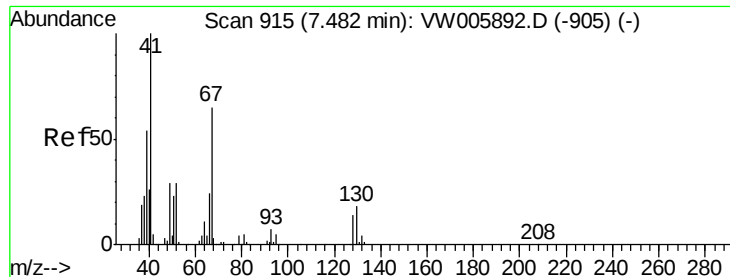
Tgt Ion: 83 Resp: 265495
Ion Ratio Lower Upper
83 100
55 69.7 59.8 89.6
98 47.6 37.1 55.7



#40
Benzene
Concen: 50.146 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

Tgt Ion: 78 Resp: 540987
Ion Ratio Lower Upper
78 100
77 24.4 19.1 28.7

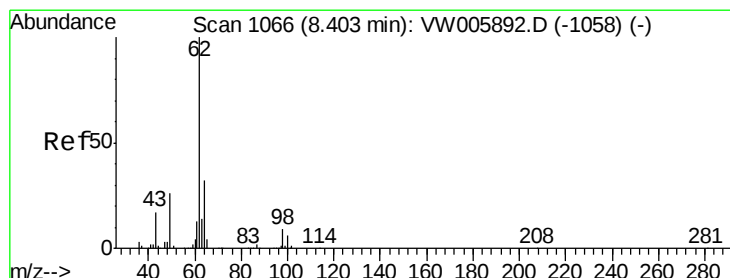
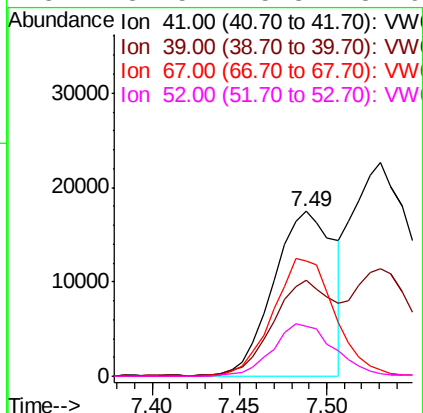
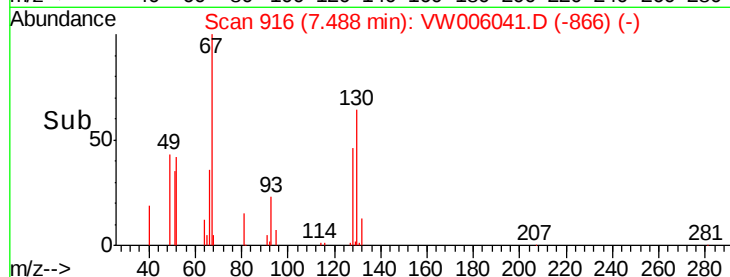
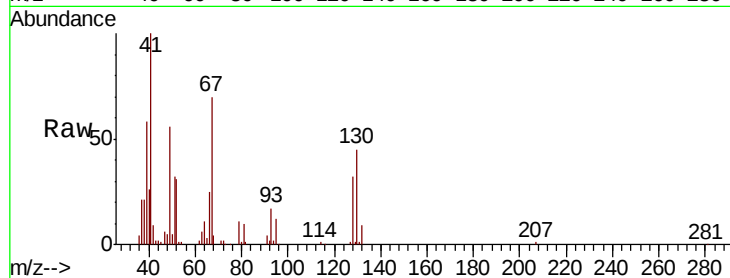




#41
Methacrylonitrile
Concen: 40.321 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

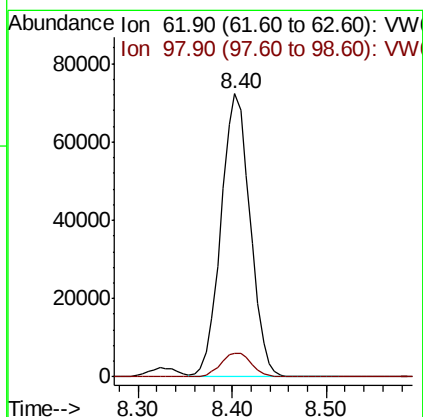
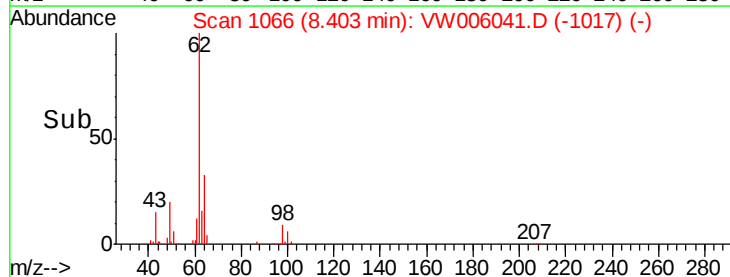
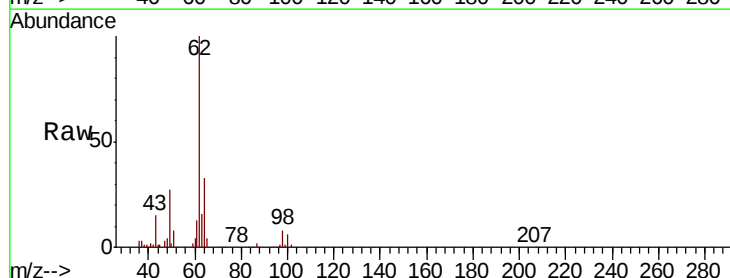
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

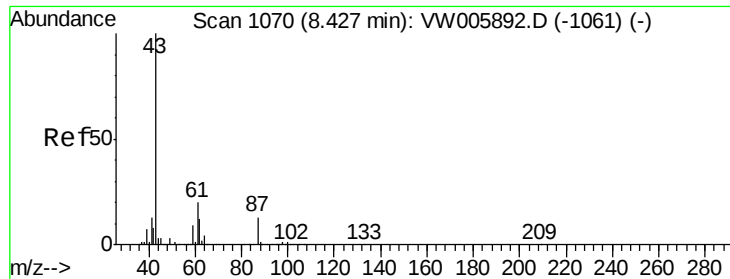
Tgt Ion:	41	Resp:	42137
Ion	Ratio	Lower	Upper
41	100		
39	58.1	45.0	67.4
67	73.5	55.8	83.8
52	32.5	25.3	37.9



#42
1,2-Dichloroethane
Concen: 47.671 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

Tgt Ion:	62	Resp:	155373
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.0





#43

Isopropyl Acetate

Concen: 40.872 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

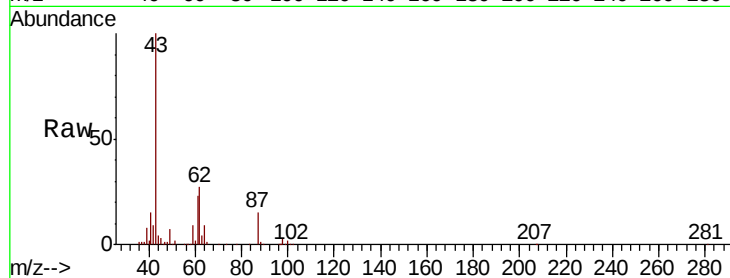
Tgt Ion: 43 Resp: 142515

Ion Ratio Lower Upper

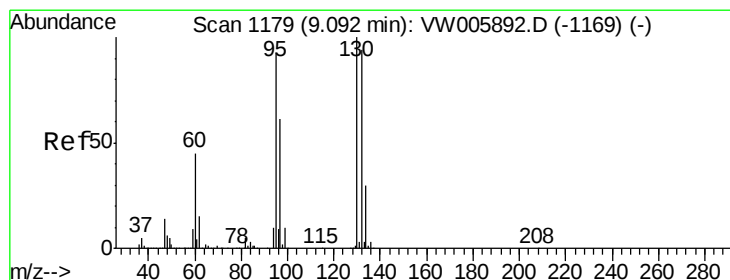
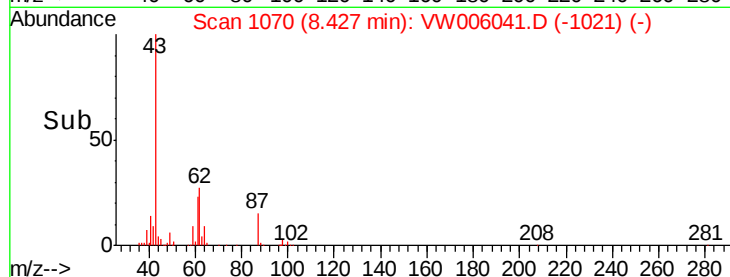
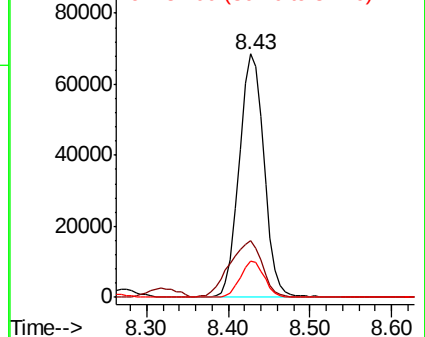
43 100

61 31.0 23.1 34.7

87 14.3 10.7 16.1



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: 52.671 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW006041.D

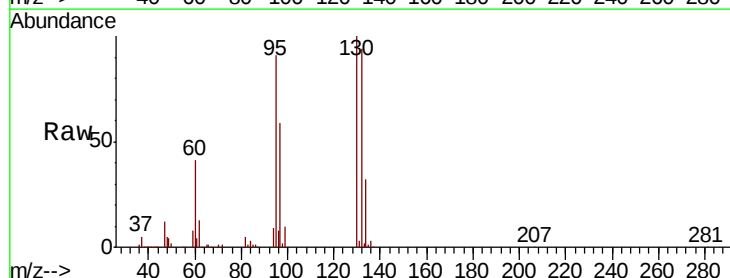
Acq: 12 Oct 2018 11:09

Tgt Ion: 130 Resp: 164868

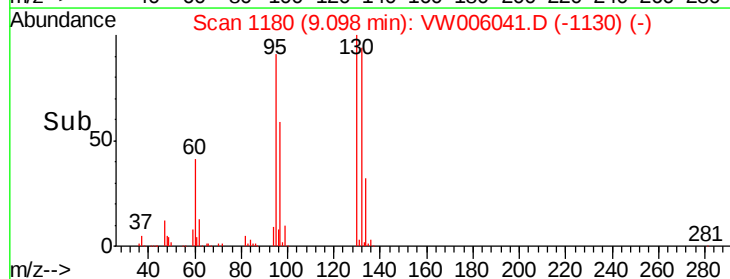
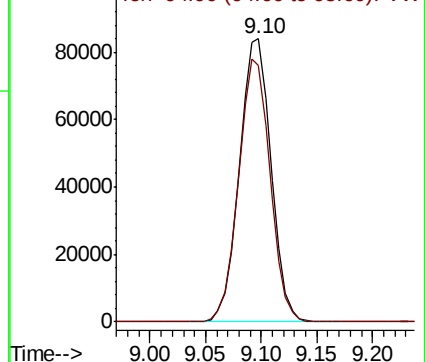
Ion Ratio Lower Upper

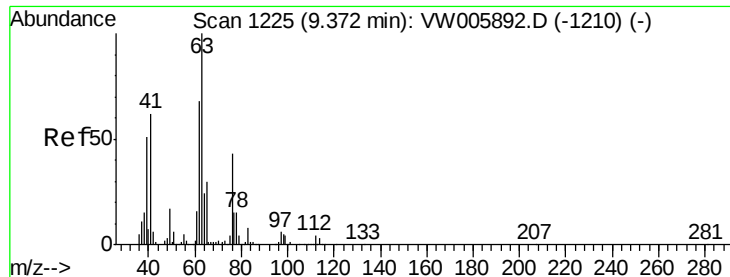
130 100

95 90.6 0.0 185.6



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

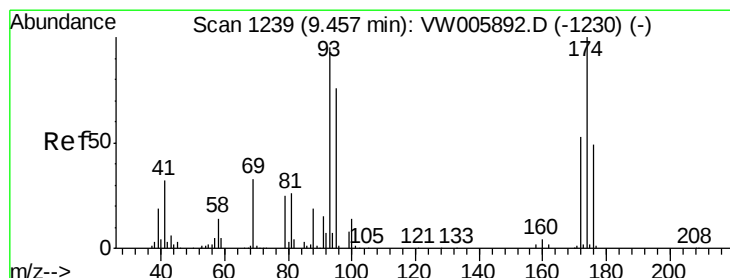
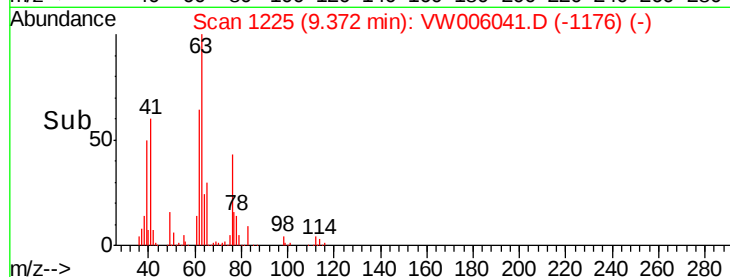
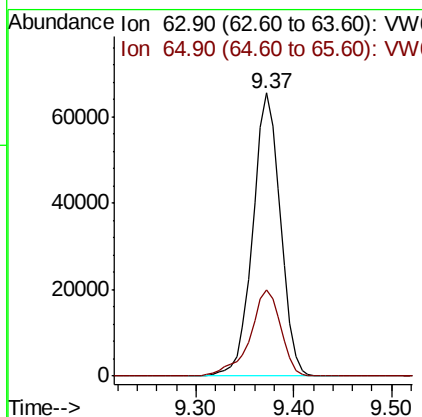
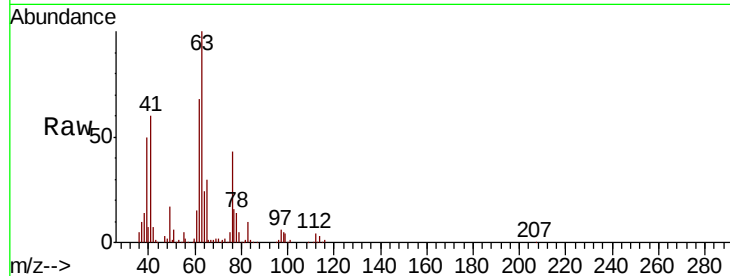




#45
 1,2-Dichloropropane
 Concen: 47.771 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006041.D
 Acq: 12 Oct 2018 11:09

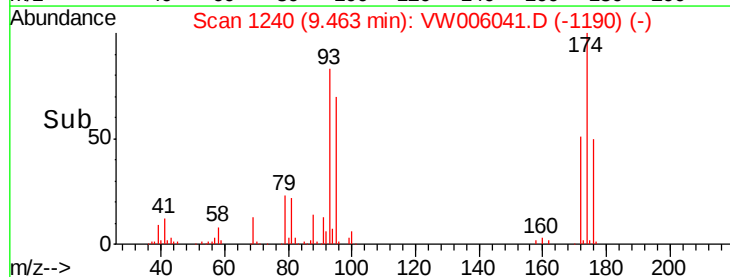
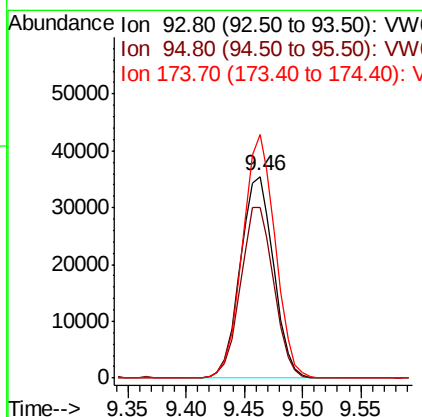
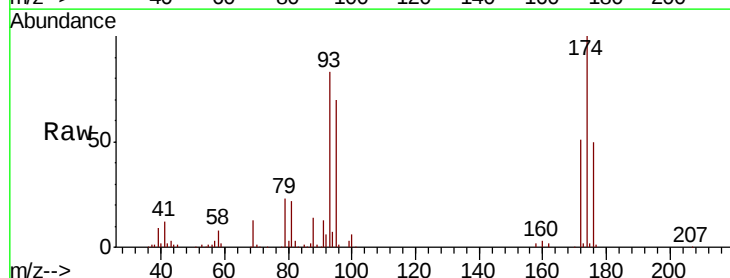
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 129001
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.3 36.5



#46
 Dibromomethane
 Concen: 47.840 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: VW006041.D
 Acq: 12 Oct 2018 11:09

Tgt Ion: 93 Resp: 71003
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.6 99.8
 174 117.8 90.4 135.6





#47

Bromodichloromethane

Concen: 47.997 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

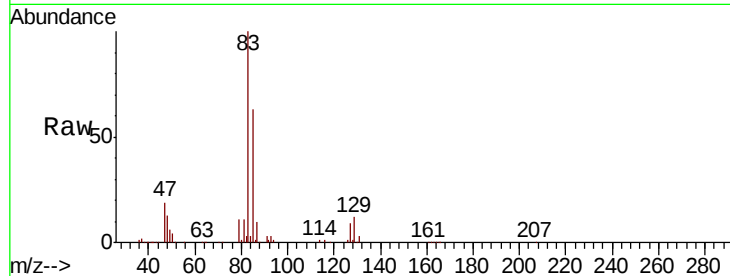
Tgt Ion: 83 Resp: 179257

Ion Ratio Lower Upper

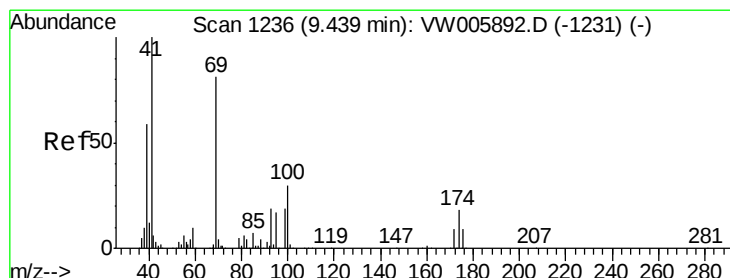
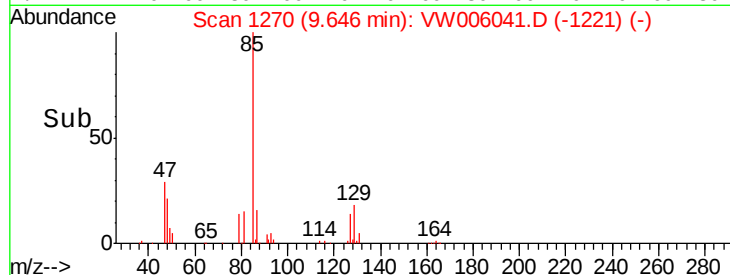
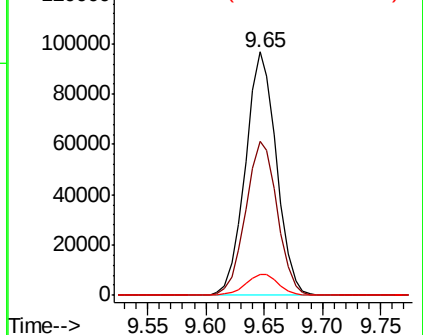
83 100

85 63.5 53.0 79.6

127 8.7 7.4 11.0



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: 41.605 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

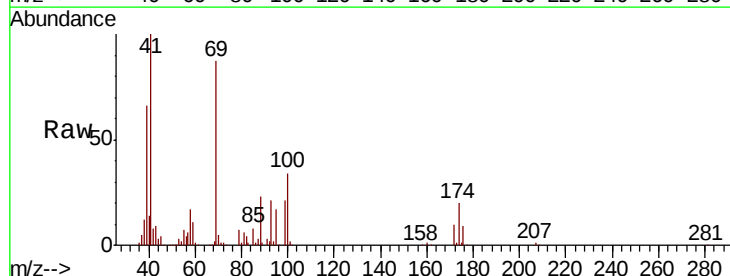
Tgt Ion: 41 Resp: 69106

Ion Ratio Lower Upper

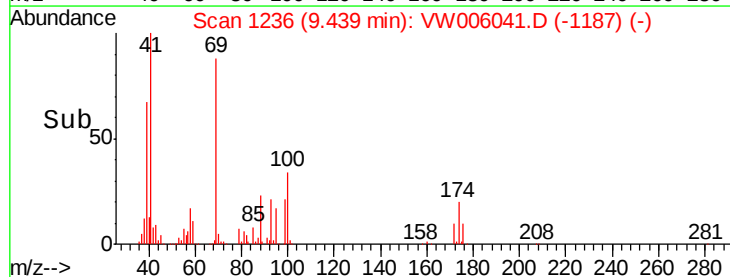
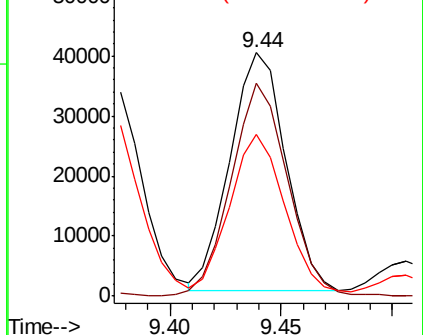
41 100

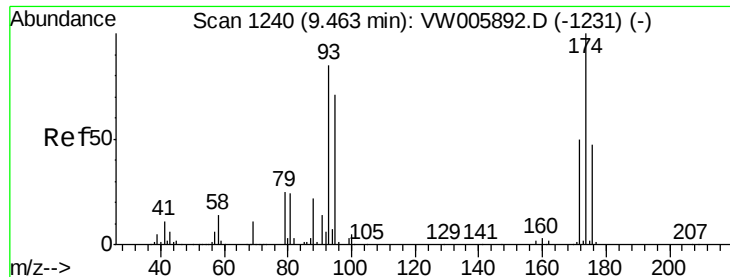
69 91.3 68.7 103.1

39 64.1 50.0 75.0



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: 1054.744 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

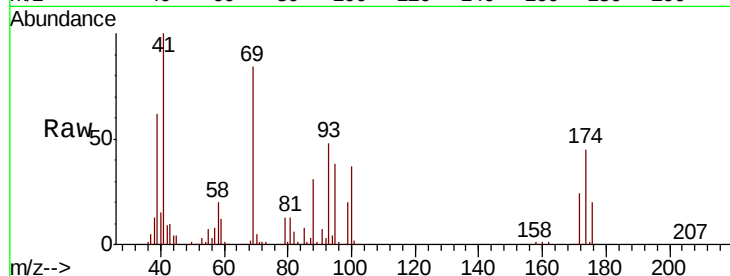
Tgt Ion: 88 Resp: 23778

Ion Ratio Lower Upper

88 100

43 29.9 0.0 0.0#

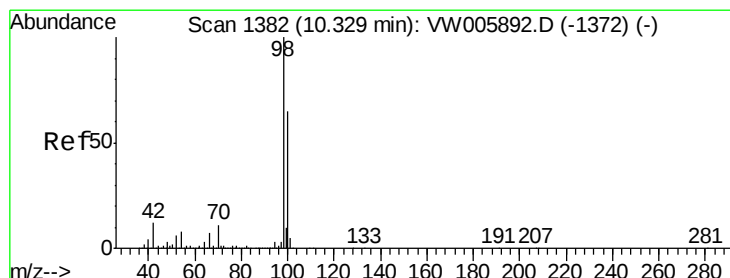
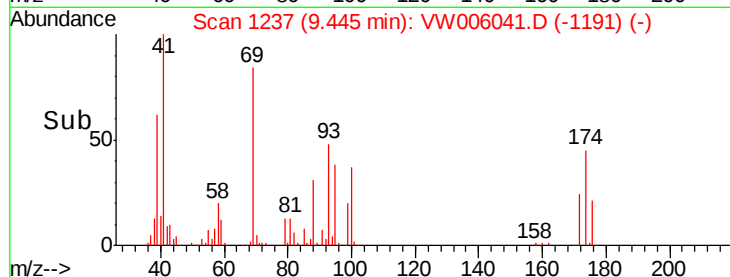
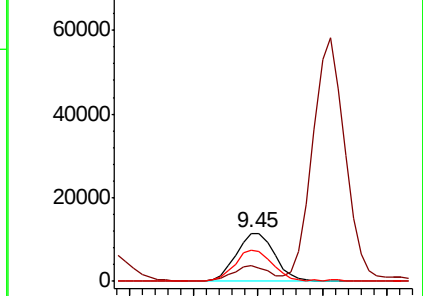
58 64.6 57.7 86.5



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: 50.732 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006041.D

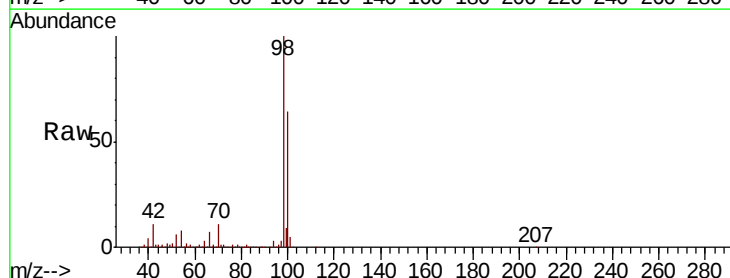
Acq: 12 Oct 2018 11:09

Tgt Ion: 98 Resp: 512636

Ion Ratio Lower Upper

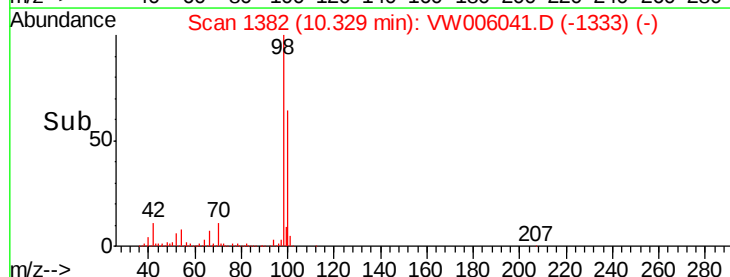
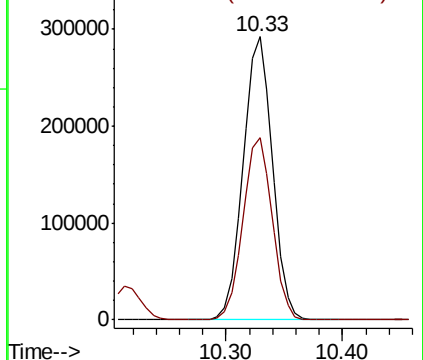
98 100

100 64.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

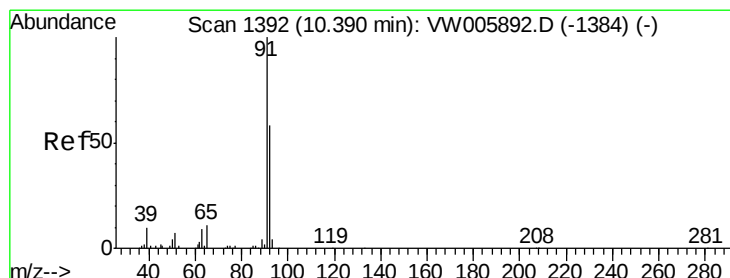
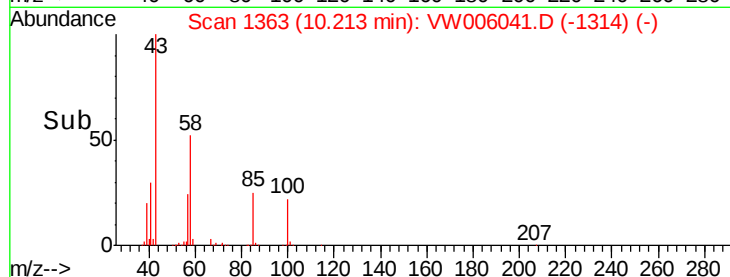
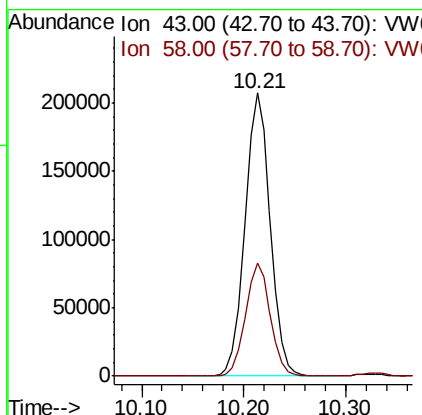
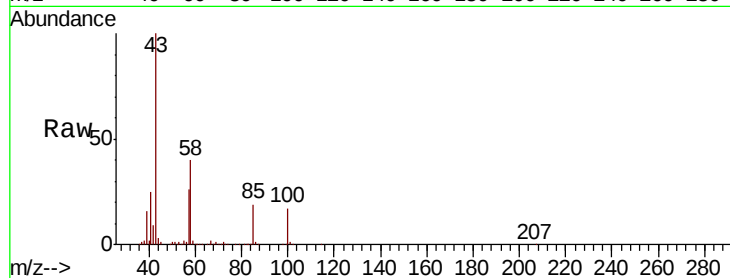




#51
 4-Methyl-2-Pentanone
 Concen: 208.939 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW006041.D
 Acq: 12 Oct 2018 11:09

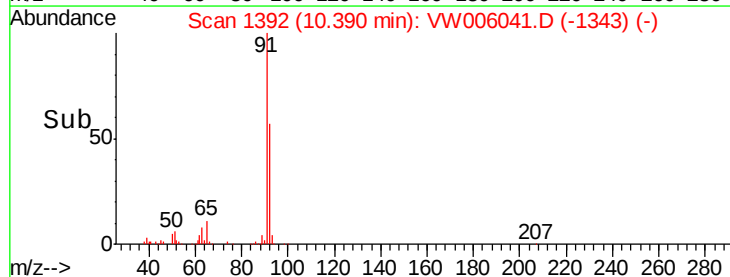
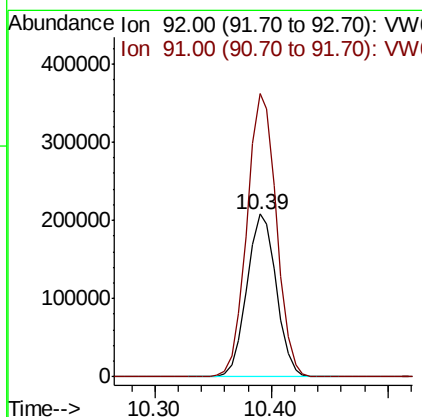
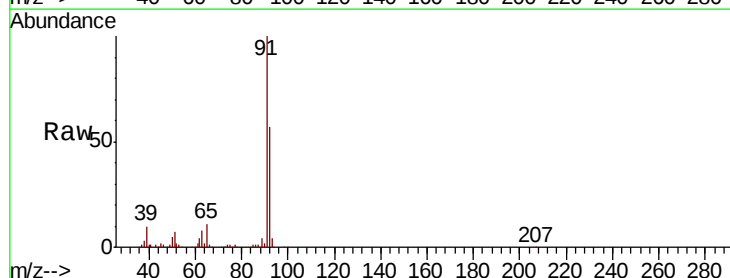
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

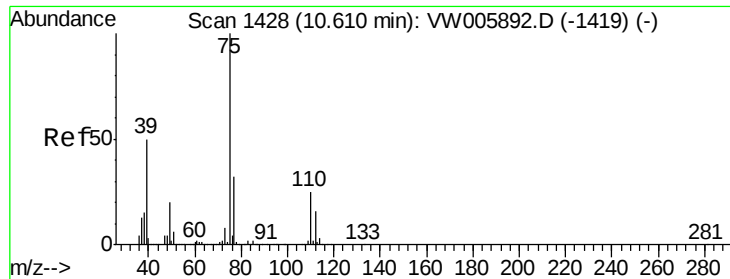
Tgt Ion: 43 Resp: 354767
 Ion Ratio Lower Upper
 43 100
 58 39.3 30.2 45.4



#52
 Toluene
 Concen: 51.640 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW006041.D
 Acq: 12 Oct 2018 11:09

Tgt Ion: 92 Resp: 365992
 Ion Ratio Lower Upper
 92 100
 91 174.1 138.2 207.4





#53

t-1,3-Dichloropropene

Concen: 46.580 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

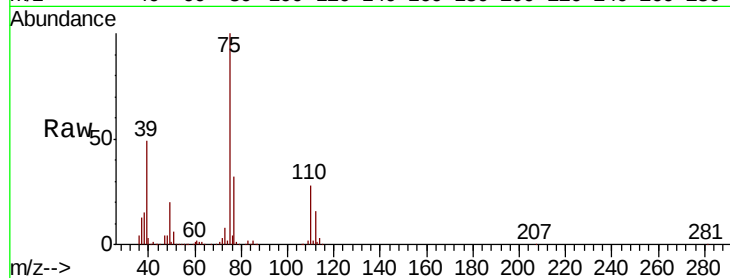
VSTDCCC050

Tgt Ion: 75 Resp: 181801

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.61

120000

100000

80000

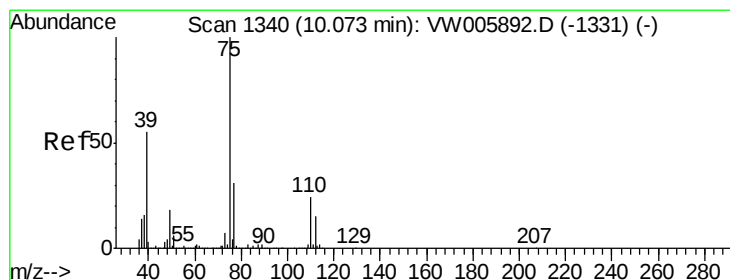
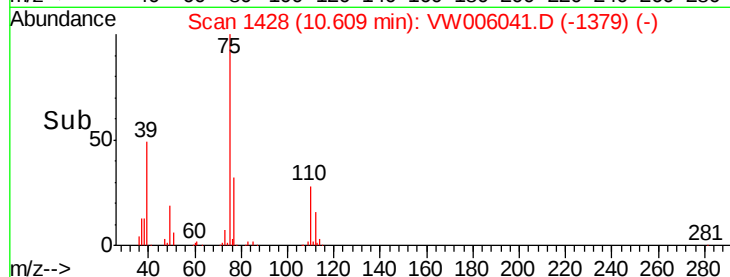
60000

40000

20000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 47.482 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

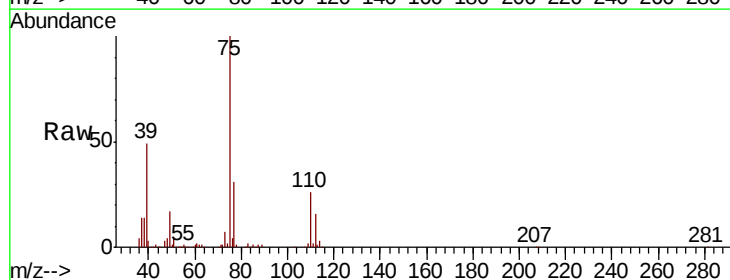
Tgt Ion: 75 Resp: 208320

Ion Ratio Lower Upper

75 100

77 31.3 24.6 37.0

39 49.1 44.2 66.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

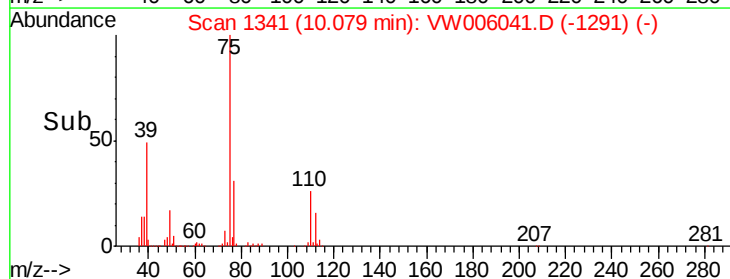
150000

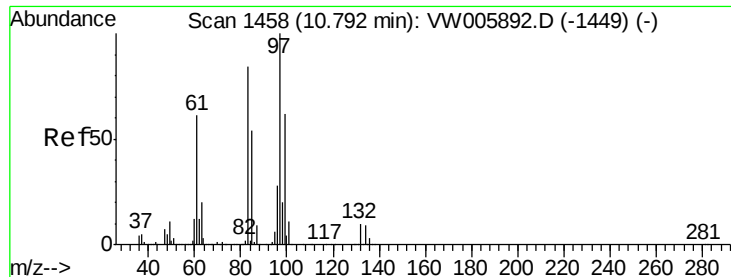
100000

50000

0

Time--> 10.00 10.10

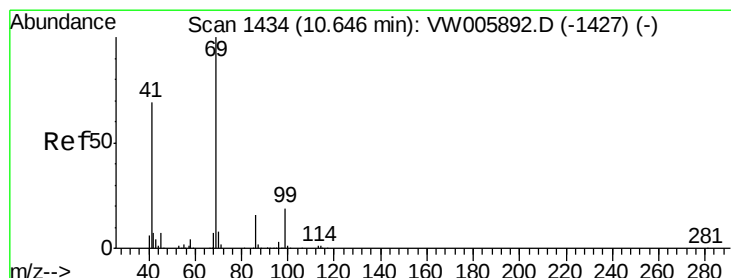
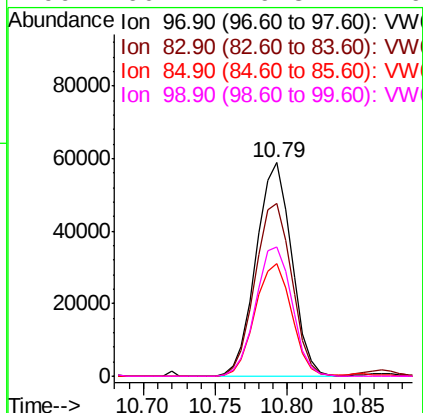
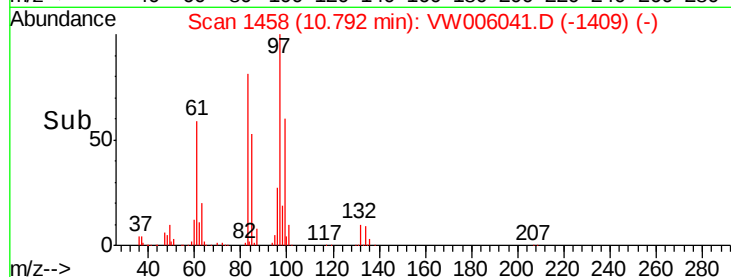
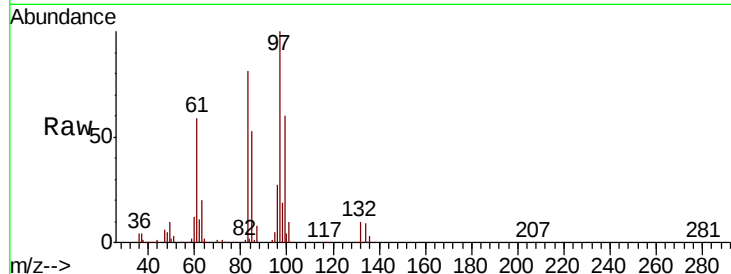




#55
 1,1,2-Trichloroethane
 Concen: 48.962 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW006041.D
 Acq: 12 Oct 2018 11:09

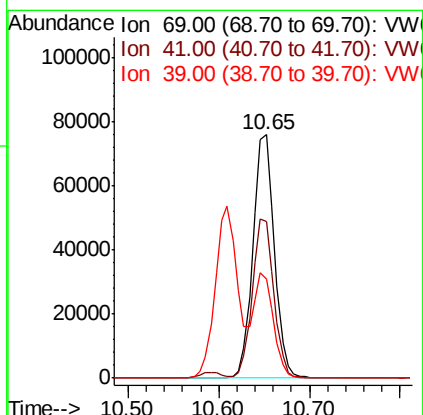
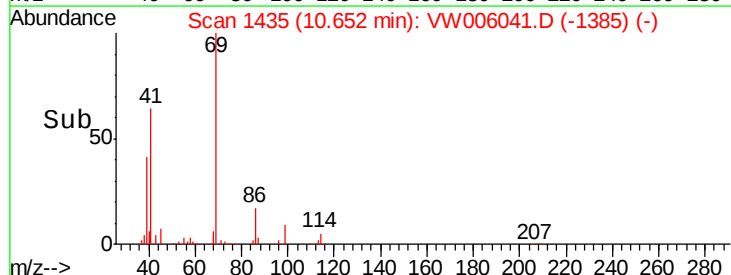
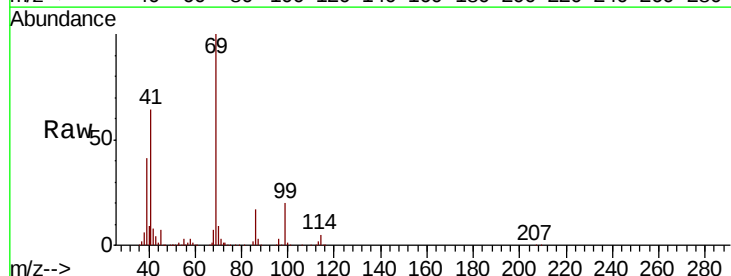
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	100651
Ion	Ratio	Lower	Upper
97	100		
83	80.7	66.9	100.3
85	52.9	43.4	65.0
99	60.4	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 44.771 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VW006041.D
 Acq: 12 Oct 2018 11:09

Tgt Ion:	69	Resp:	124044
Ion	Ratio	Lower	Upper
69	100		
41	65.4	56.0	84.0
39	37.4	33.5	50.3





#57

1,3-Dichloropropane

Concen: 48.061 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. 0.01 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampled :

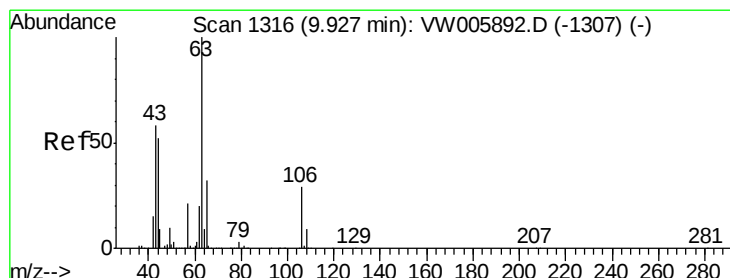
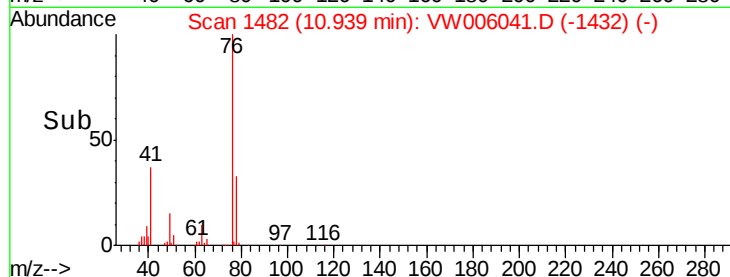
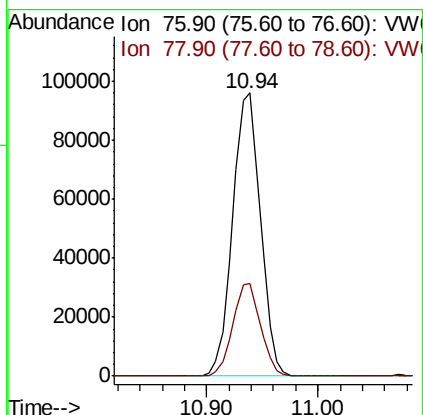
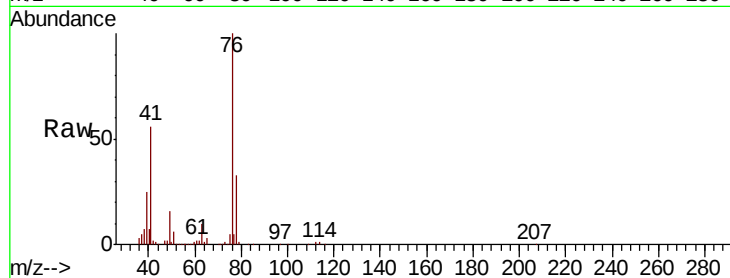
VSTDCCC050

Tgt Ion: 76 Resp: 166208

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 212.473 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW006041.D

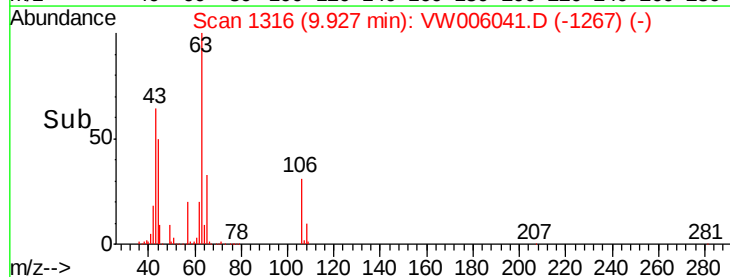
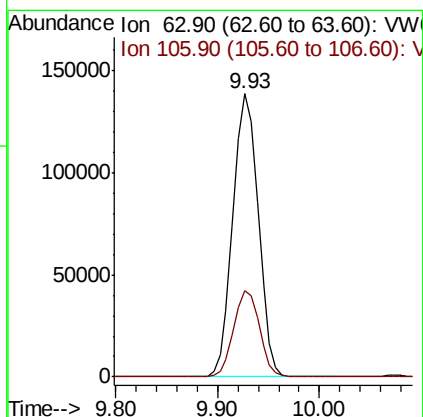
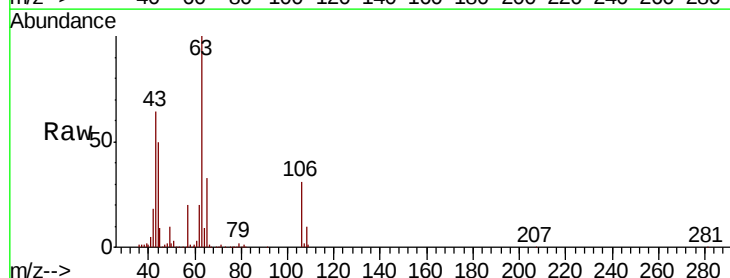
Acq: 12 Oct 2018 11:09

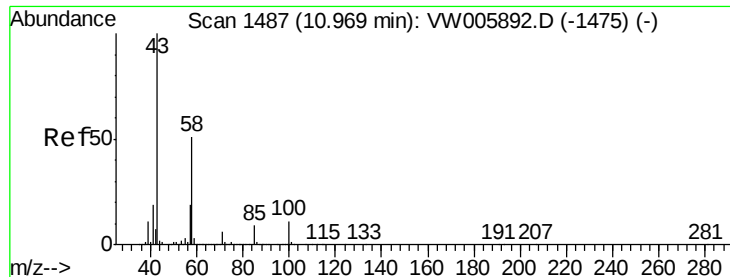
Tgt Ion: 63 Resp: 239534

Ion Ratio Lower Upper

63 100

106 30.7 23.6 35.4





#59

2-Hexanone

Concen: 209.724 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

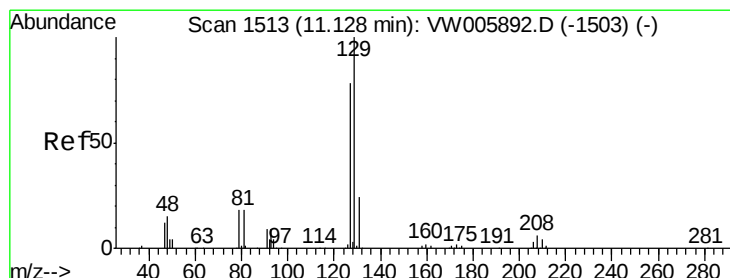
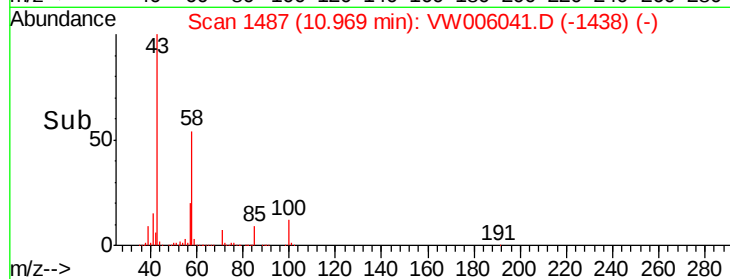
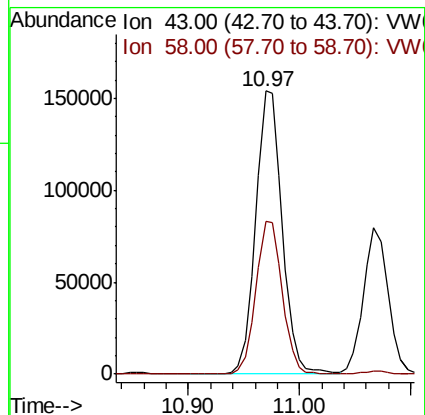
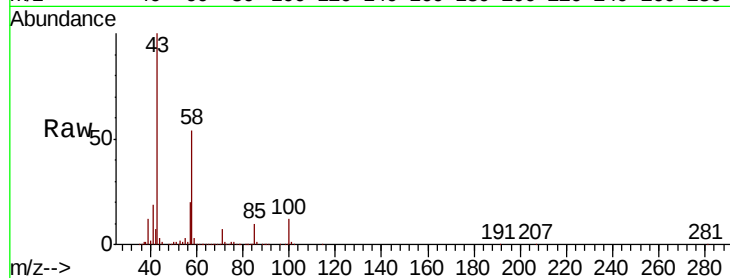
VSTDCCC050

Tgt Ion: 43 Resp: 255330

Ion Ratio Lower Upper

43 100

58 53.7 25.7 77.1



#60

Dibromochloromethane

Concen: 48.491 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW006041.D

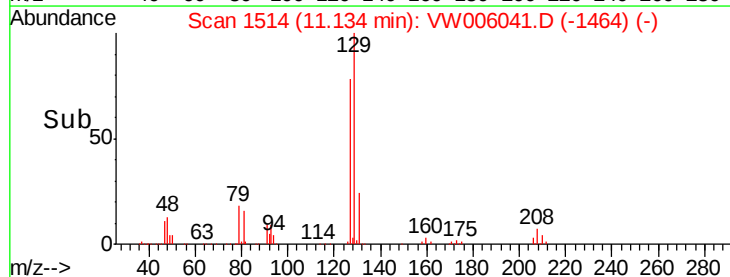
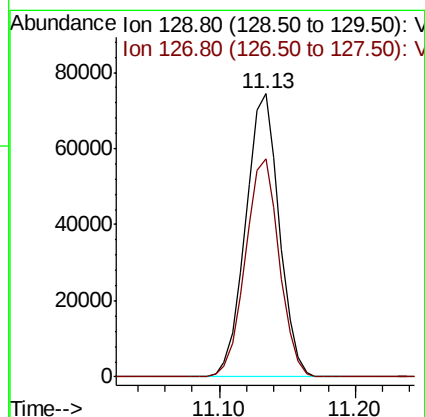
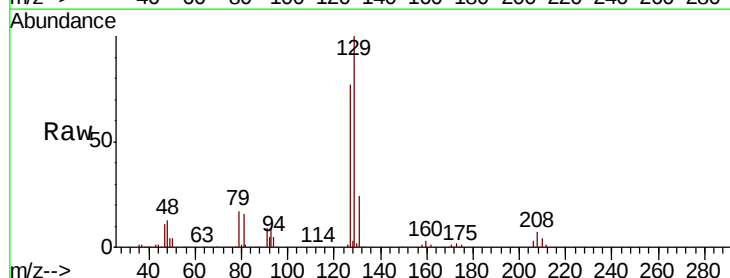
Acq: 12 Oct 2018 11:09

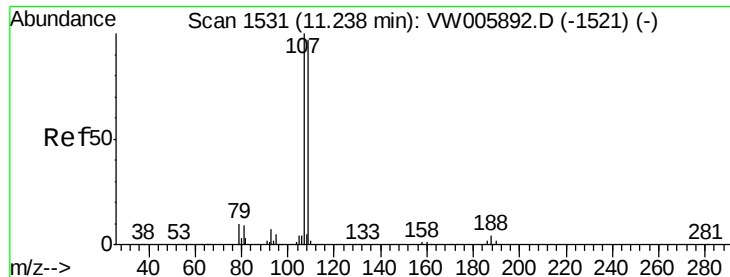
Tgt Ion: 129 Resp: 128634

Ion Ratio Lower Upper

129 100

127 77.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 48.306 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

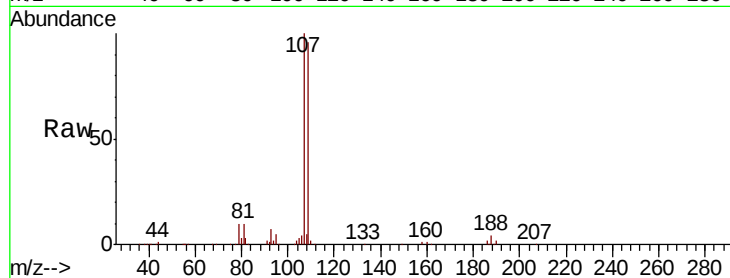
VSTDCCC050

Tgt Ion: 107 Resp: 99228

Ion Ratio Lower Upper

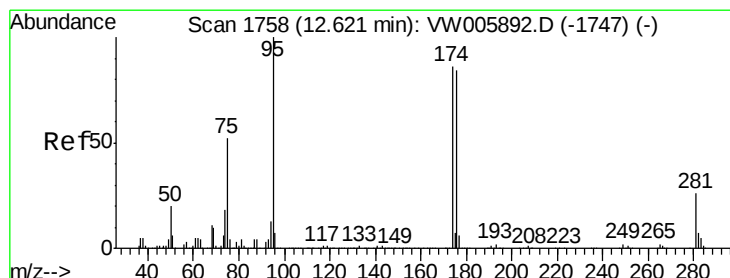
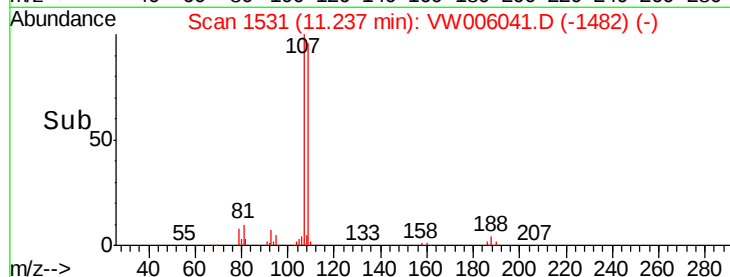
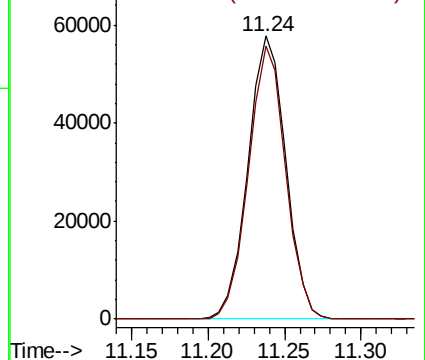
107 100

109 94.6 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.975 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

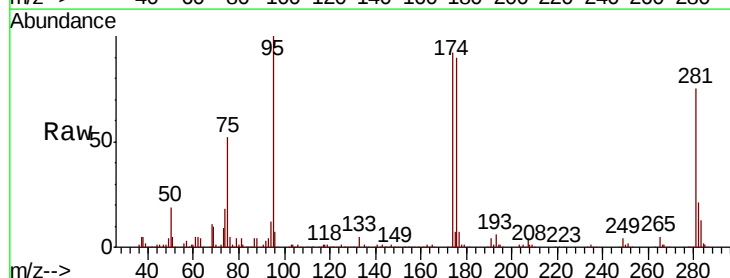
Tgt Ion: 95 Resp: 192131

Ion Ratio Lower Upper

95 100

174 93.5 0.0 176.4

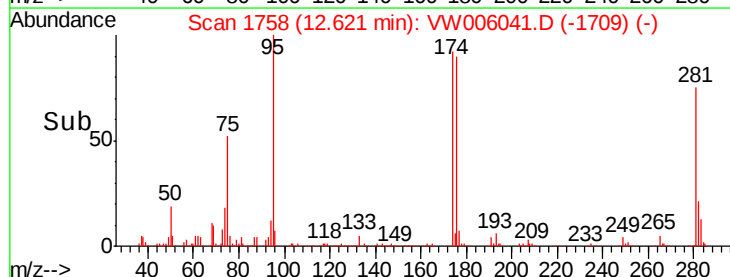
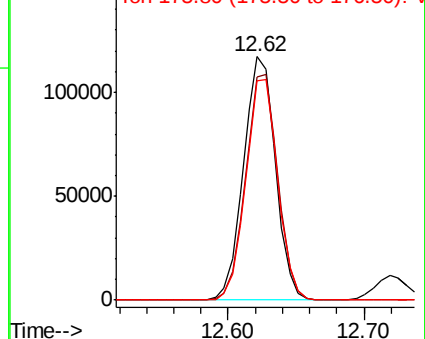
176 90.7 0.0 173.0

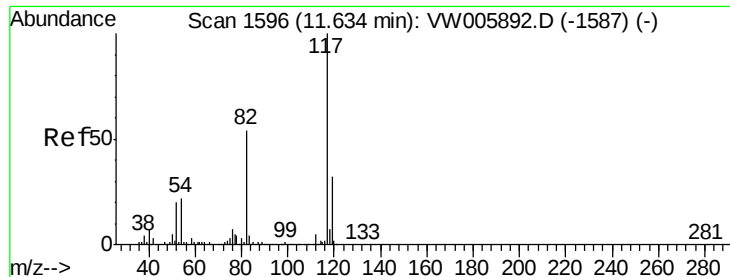


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

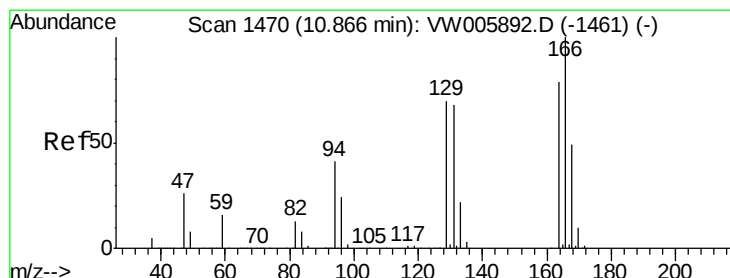
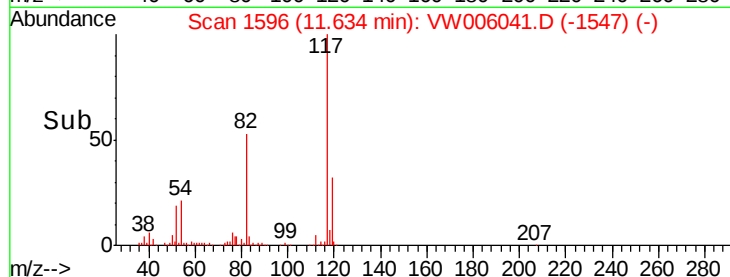
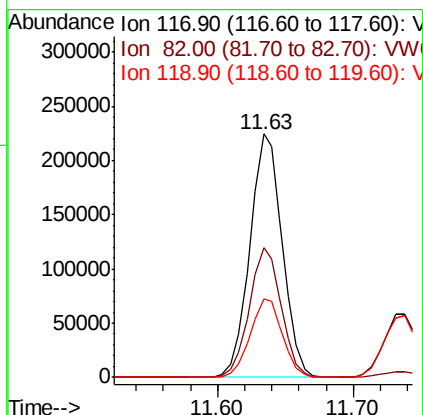
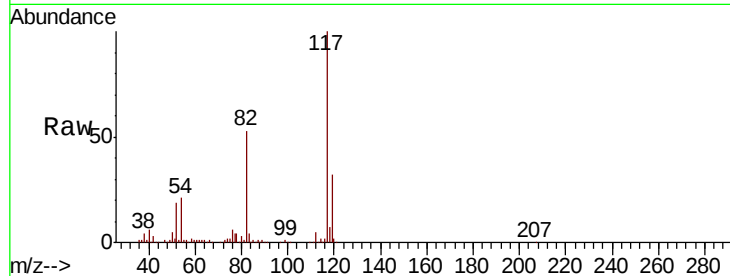




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

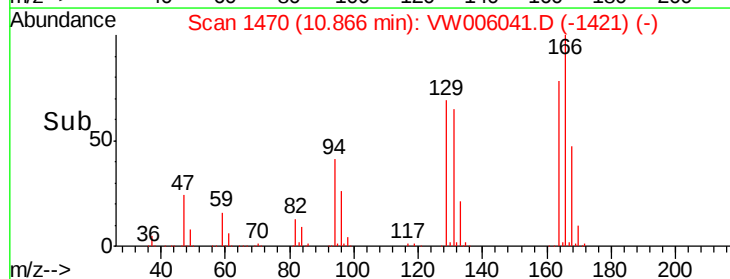
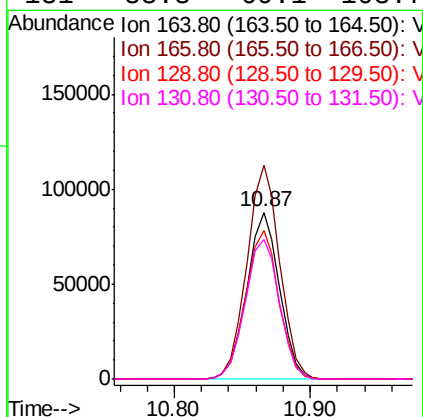
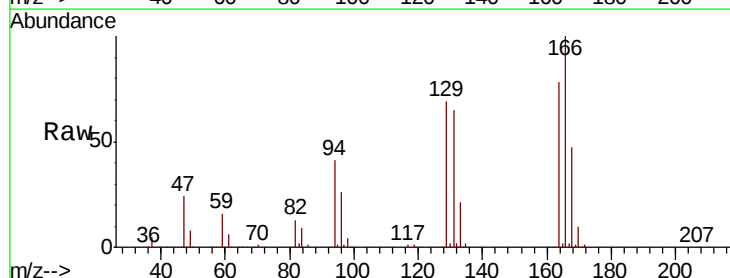
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 373277
Ion Ratio Lower Upper
117 100
82 53.3 43.5 65.3
119 32.2 25.4 38.2



#64
Tetrachloroethene
Concen: 53.183 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

Tgt Ion:164 Resp: 147877
Ion Ratio Lower Upper
164 100
166 128.0 101.5 152.3
129 88.6 71.1 106.7
131 83.3 69.1 103.7

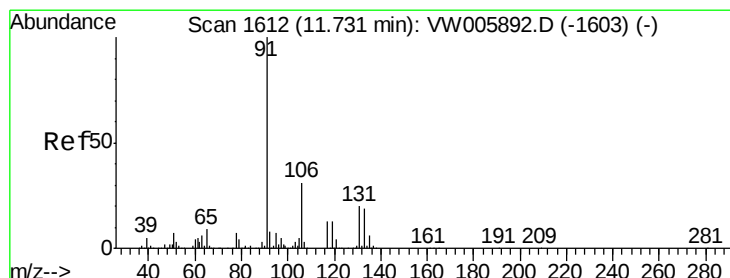
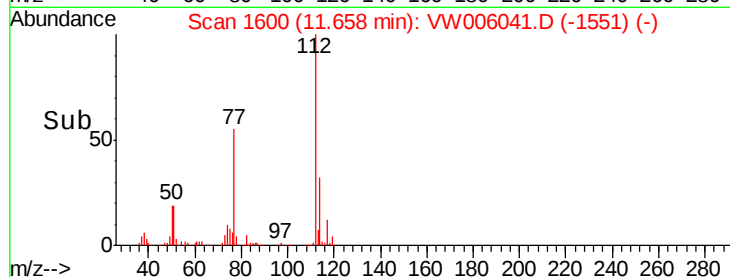
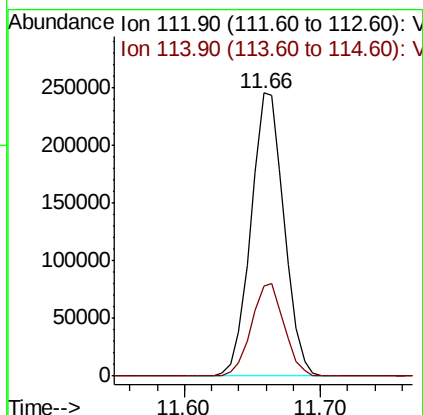
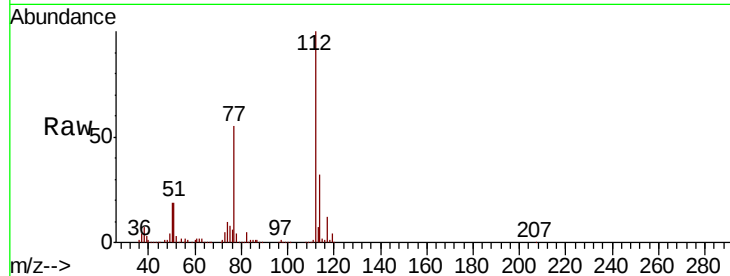




#65
Chlorobenzene
Concen: 52.374 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

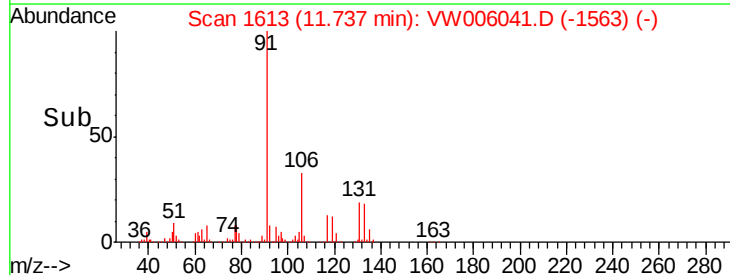
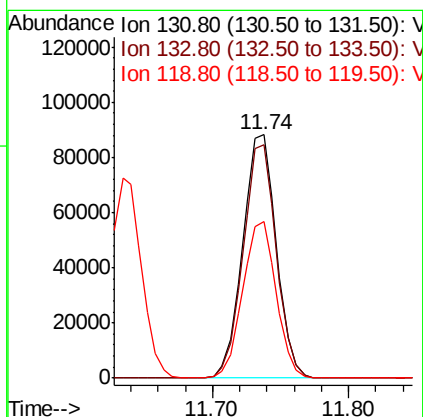
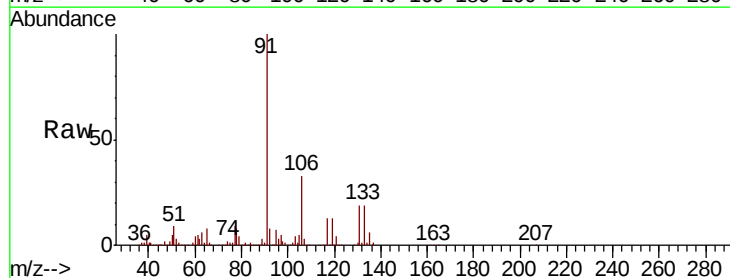
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

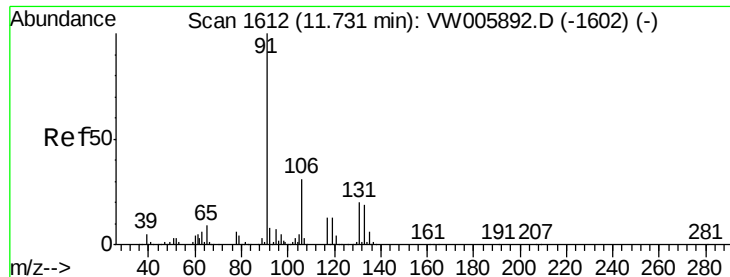
Tgt Ion:112 Resp: 418769
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 51.851 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

Tgt Ion:131 Resp: 151961
Ion Ratio Lower Upper
131 100
133 95.0 48.2 144.6
119 64.2 32.5 97.5

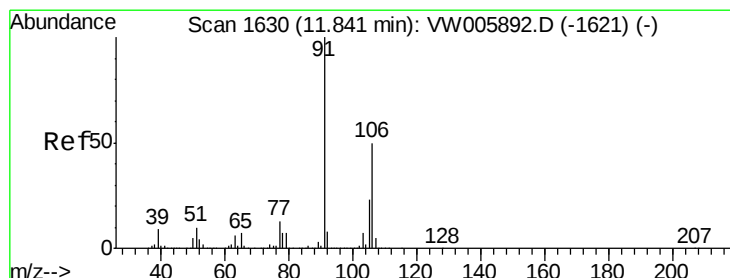
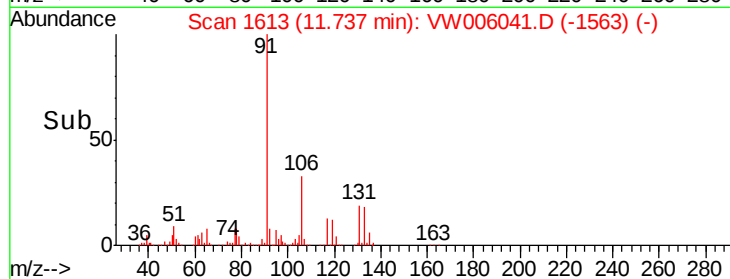
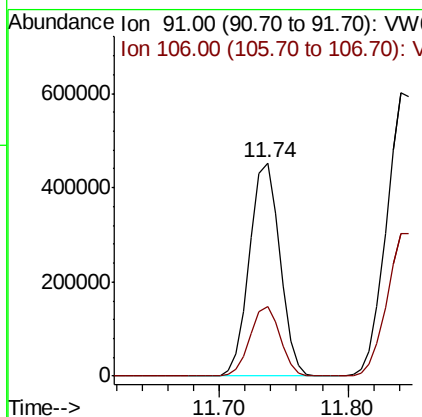
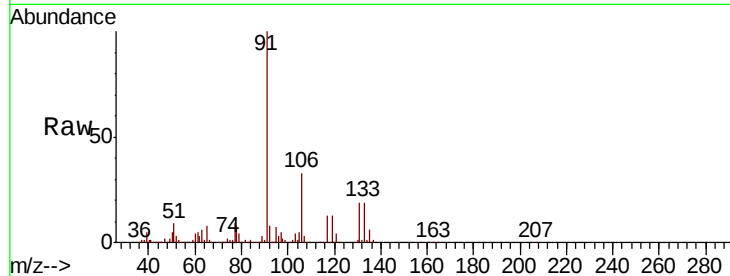




#67
Ethyl Benzene
Concen: 52.281 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

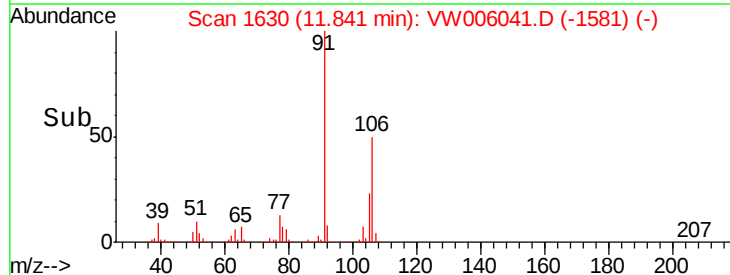
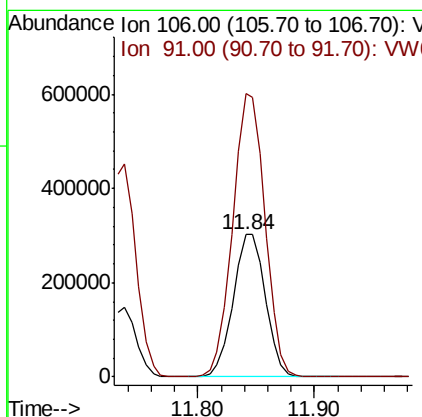
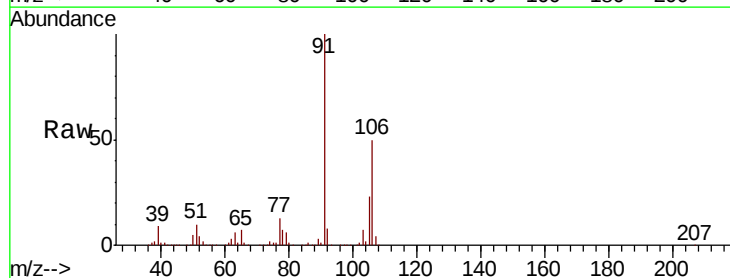
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

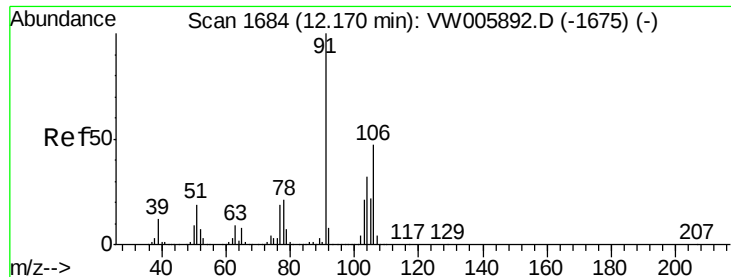
Tgt Ion: 91 Resp: 738360
Ion Ratio Lower Upper
91 100
106 32.5 25.0 37.6



#68
m/p-Xylenes
Concen: 105.714 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

Tgt Ion: 106 Resp: 583452
Ion Ratio Lower Upper
106 100
91 198.4 160.2 240.2

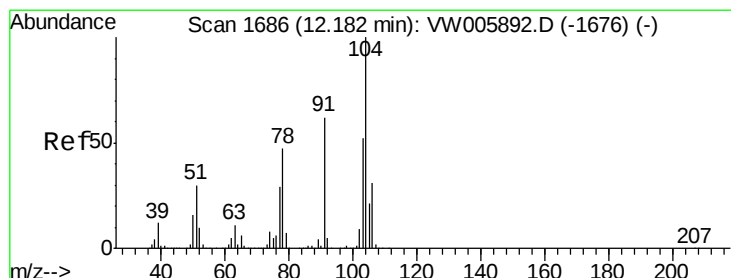
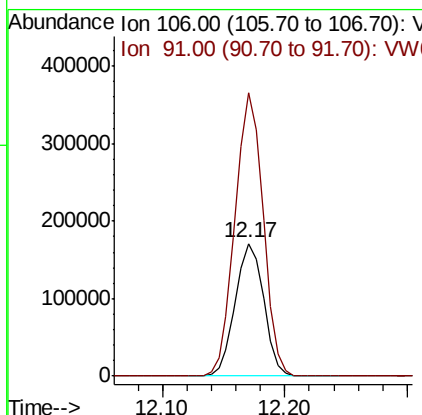
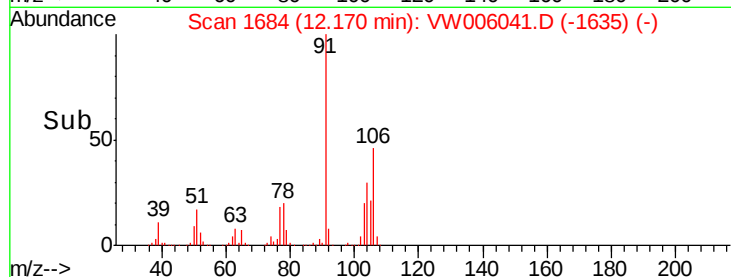
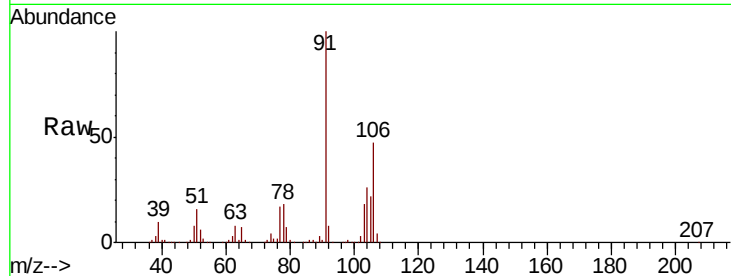




#69
o-Xylene
Concen: 52.299 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

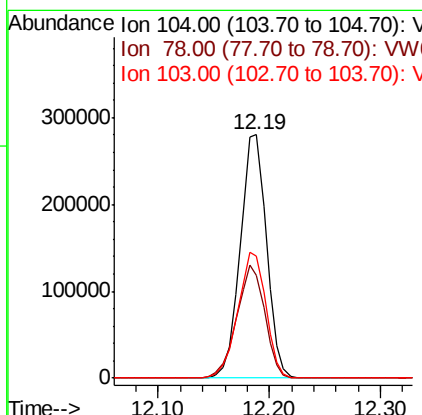
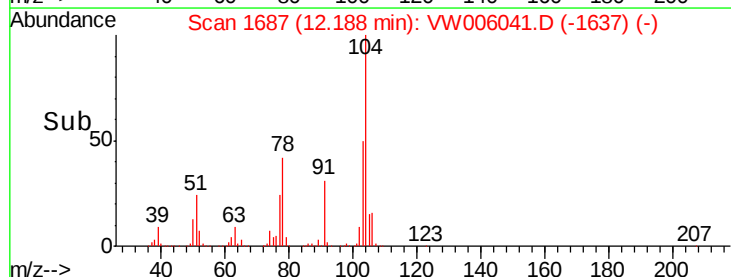
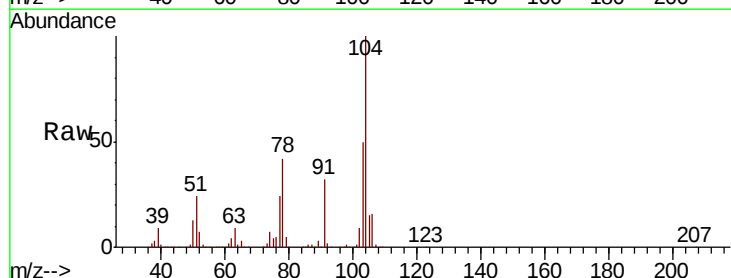
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 276337
Ion Ratio Lower Upper
106 100
91 211.0 106.2 318.5



#70
Styrene
Concen: 52.279 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

Tgt Ion:104 Resp: 458318
Ion Ratio Lower Upper
104 100
78 49.5 40.4 60.6
103 55.3 44.2 66.2





#71

Bromoform

Concen: 47.051 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

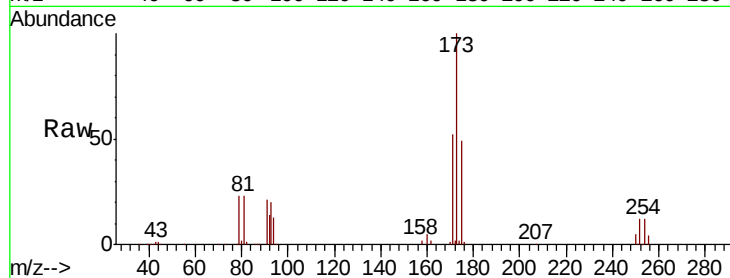
Tgt Ion:173 Resp: 82138

Ion Ratio Lower Upper

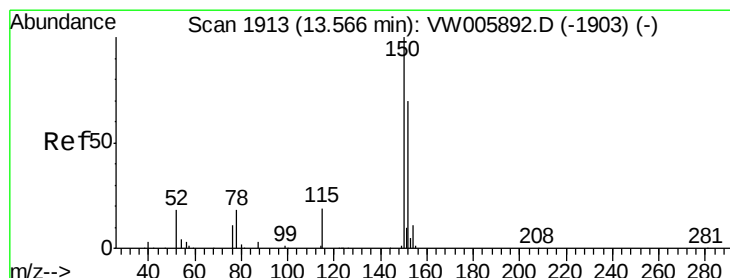
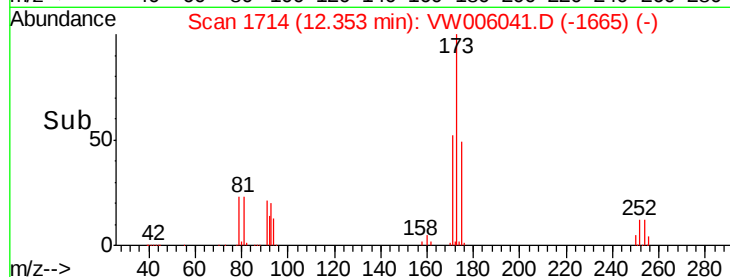
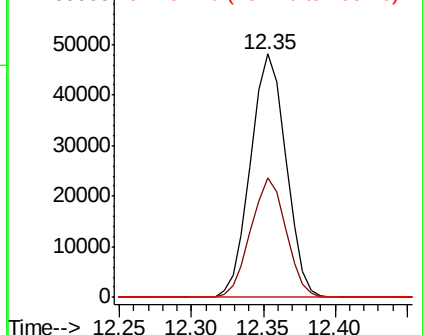
173 100

175 48.8 24.7 74.1

254 0.1 0.2 0.2#



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: VW006041.D

Acq: 12 Oct 2018 11:09

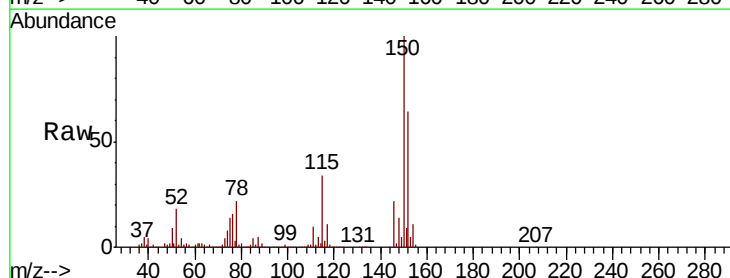
Tgt Ion:152 Resp: 215650

Ion Ratio Lower Upper

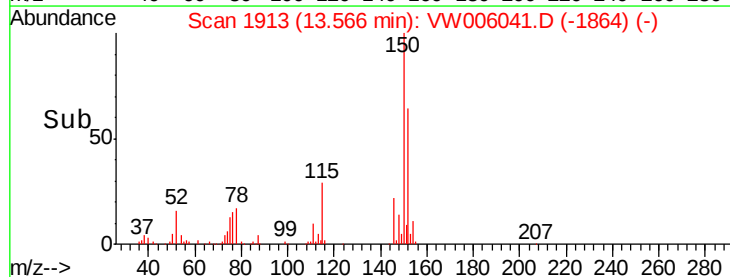
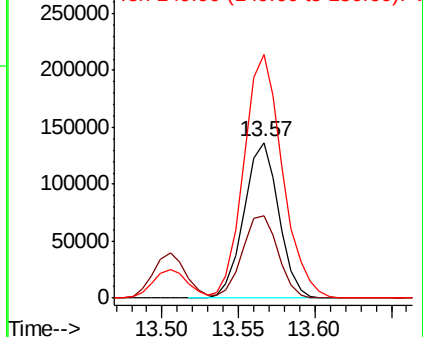
152 100

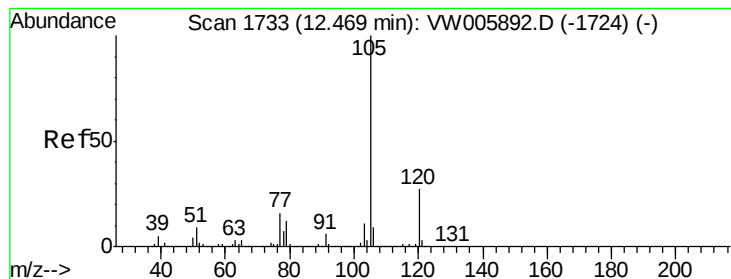
115 55.1 28.3 85.0

150 174.2 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: 50.647 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

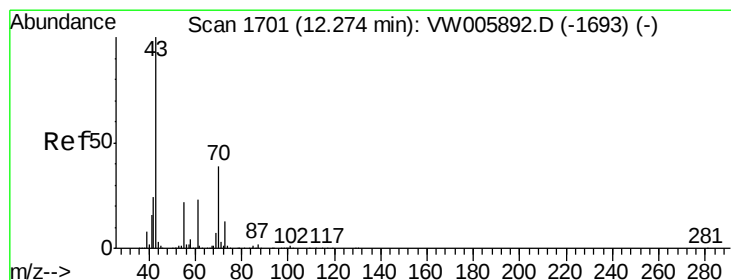
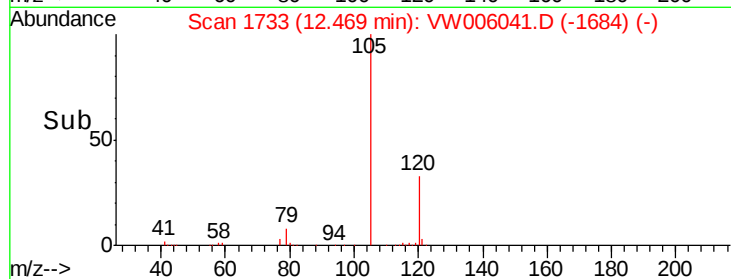
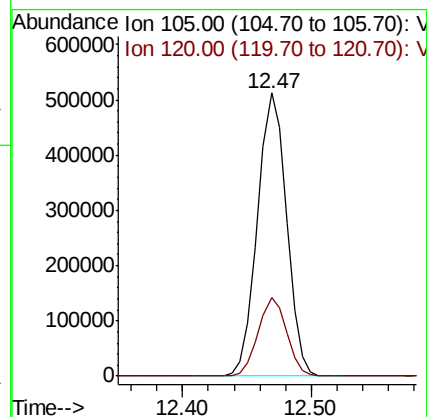
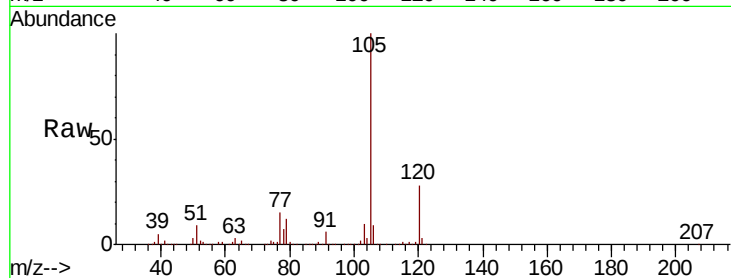
VSTDCCC050

Tgt Ion: 105 Resp: 797650

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.8



#74

N-ethyl acetate

Concen: 39.258 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Tgt Ion: 43 Resp: 146838

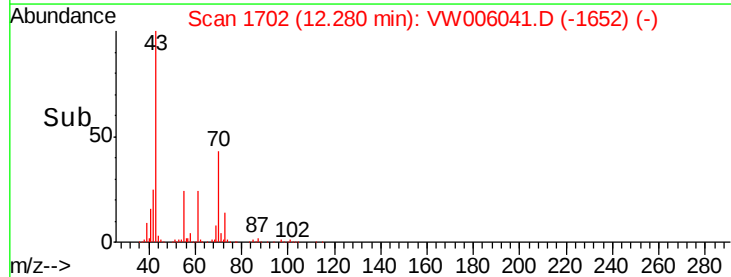
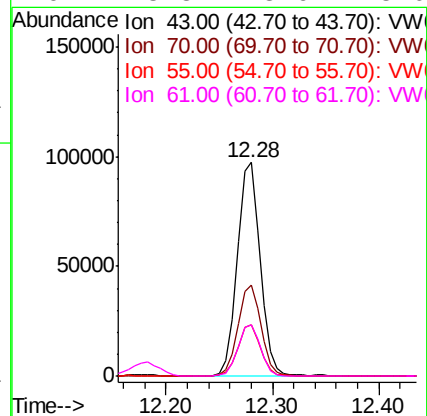
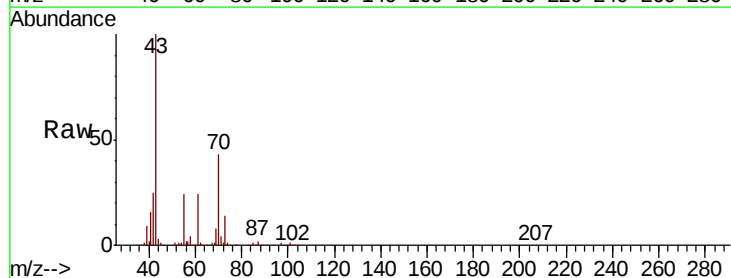
Ion Ratio Lower Upper

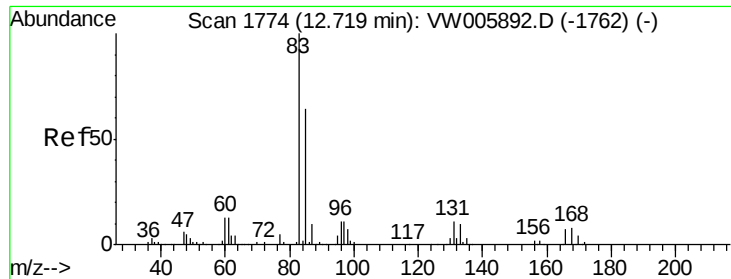
43 100

70 43.0 31.6 47.4

55 23.9 17.9 26.9

61 23.8 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 44.468 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

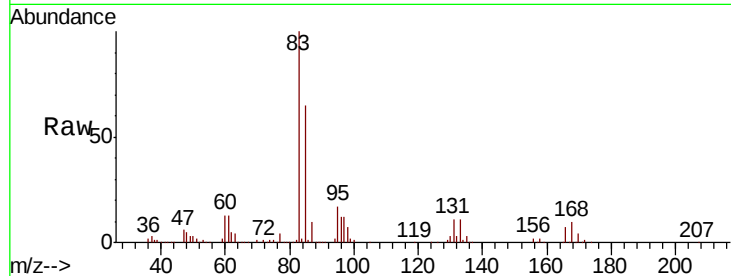
Tgt Ion: 83 Resp: 114790

Ion Ratio Lower Upper

83 100

131 11.5 5.8 17.3

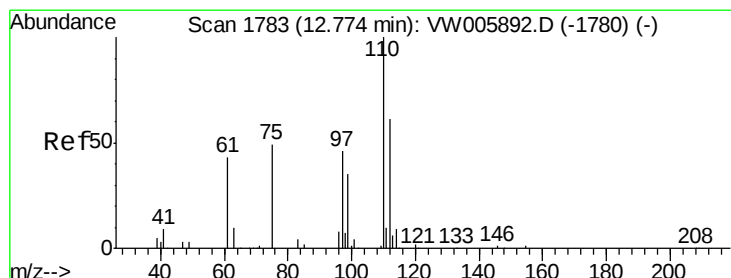
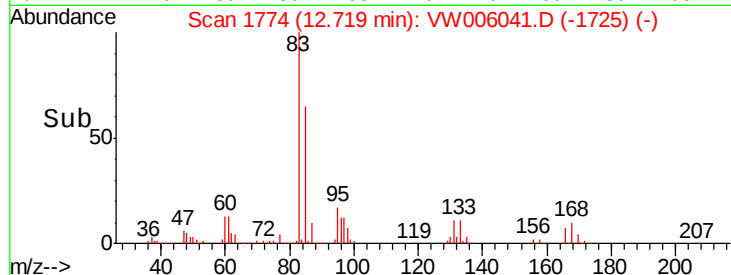
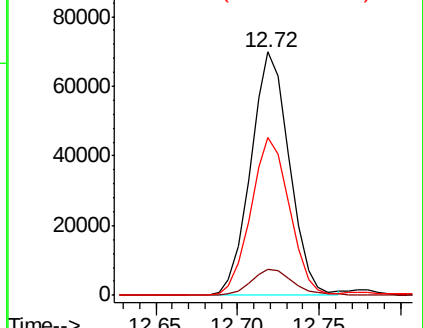
85 65.0 32.4 97.0



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: 80.110 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006041.D

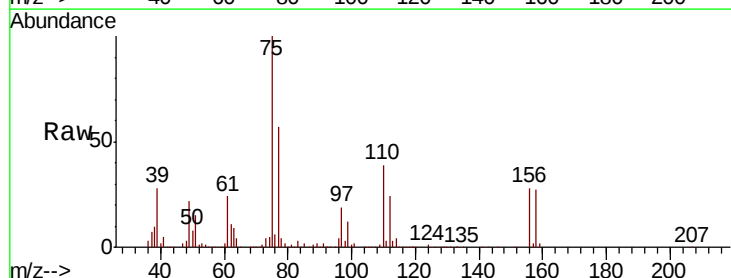
Acq: 12 Oct 2018 11:09

Tgt Ion: 75 Resp: 154320

Ion Ratio Lower Upper

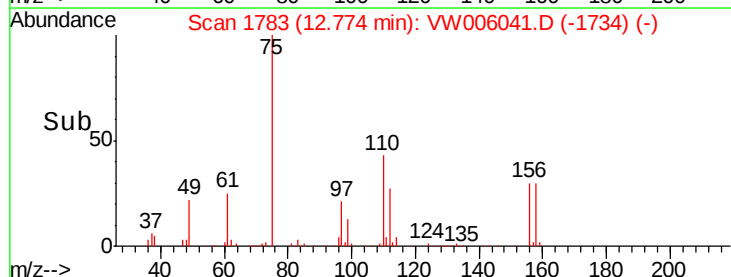
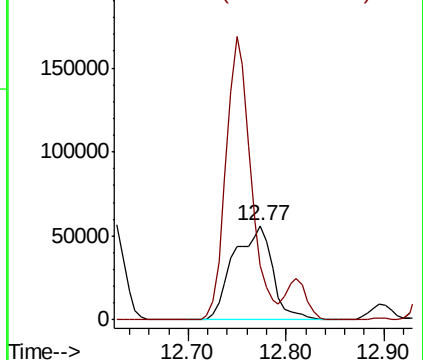
75 100

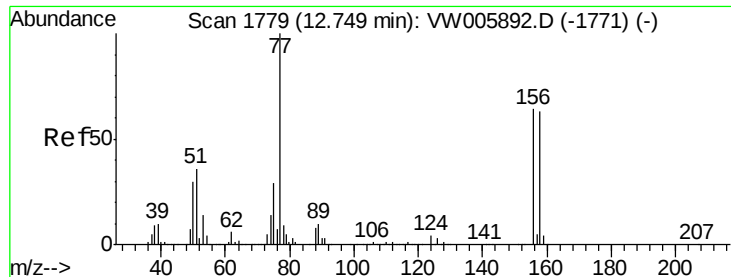
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.380 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

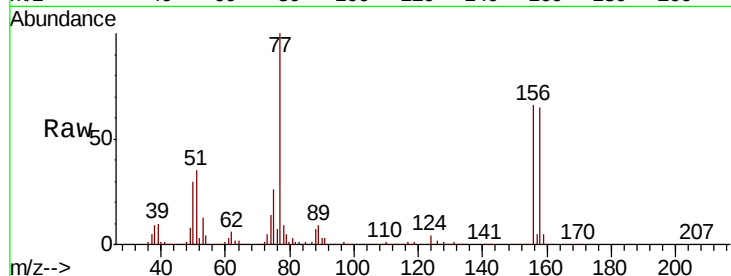
Tgt Ion:156 Resp: 187985

Ion Ratio Lower Upper

156 100

77 160.1 85.8 257.4

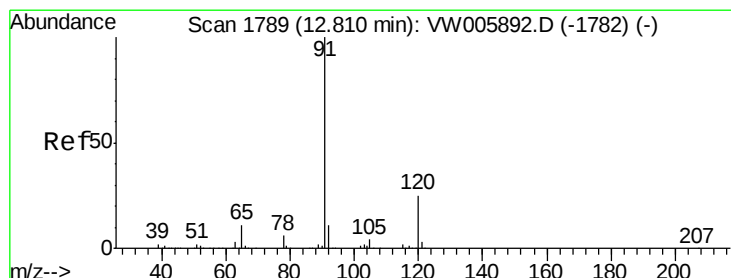
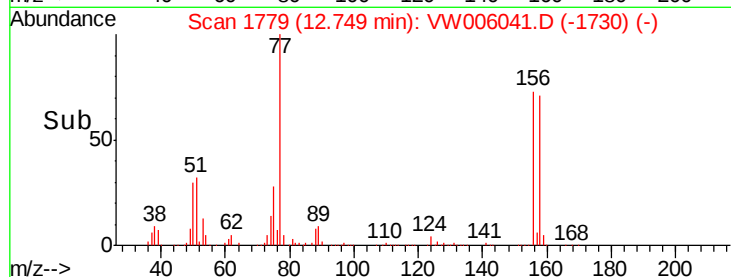
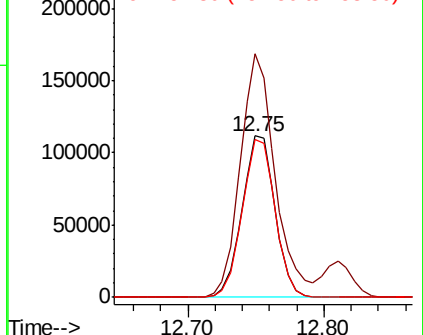
158 98.1 49.1 147.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.704 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006041.D

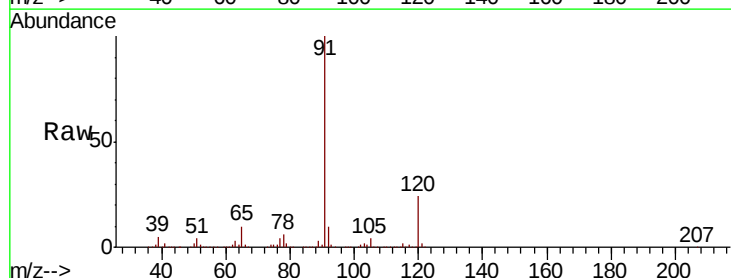
Acq: 12 Oct 2018 11:09

Tgt Ion: 91 Resp: 939370

Ion Ratio Lower Upper

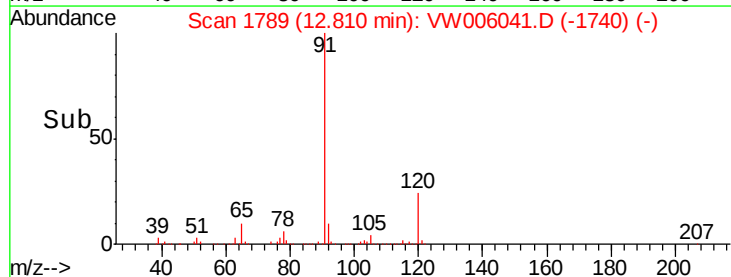
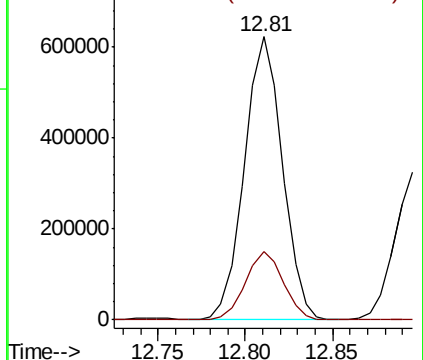
91 100

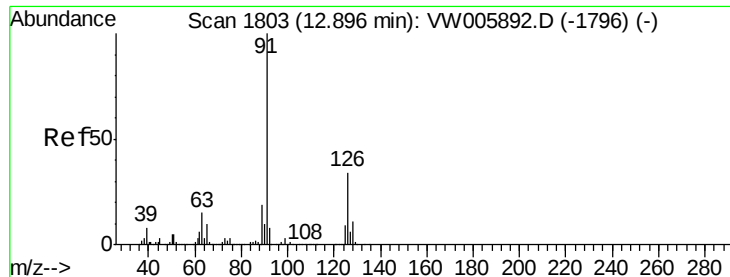
120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

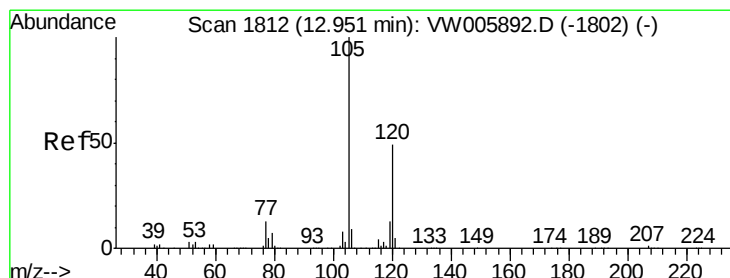
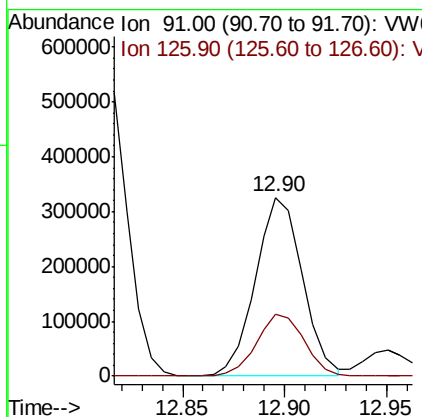
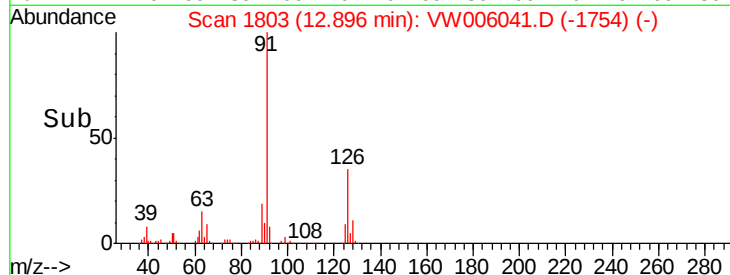
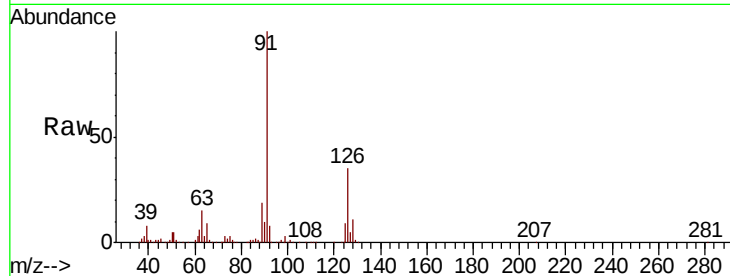




#79
 2-Chlorotoluene
 Concen: 49.964 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW006041.D
 Acq: 12 Oct 2018 11:09

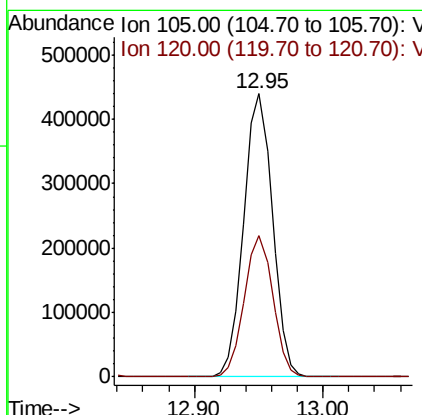
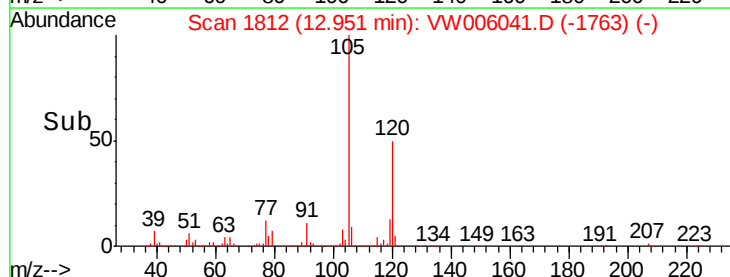
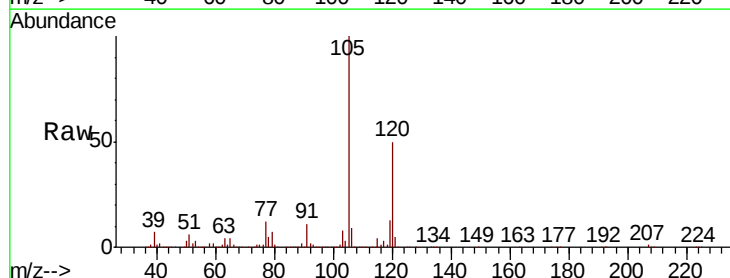
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

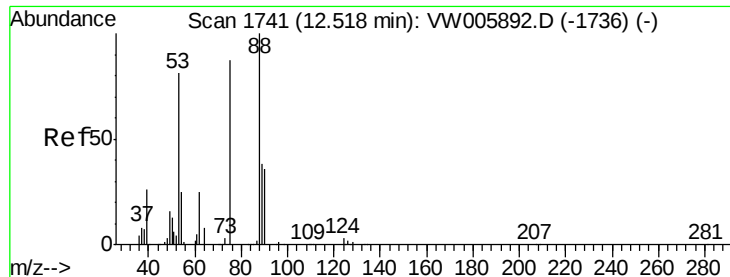
Tgt Ion: 91 Resp: 522539
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.5 52.5



#80
 1,3,5-Trimethylbenzene
 Concen: 50.781 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW006041.D
 Acq: 12 Oct 2018 11:09

Tgt Ion: 105 Resp: 675212
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 38.942 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

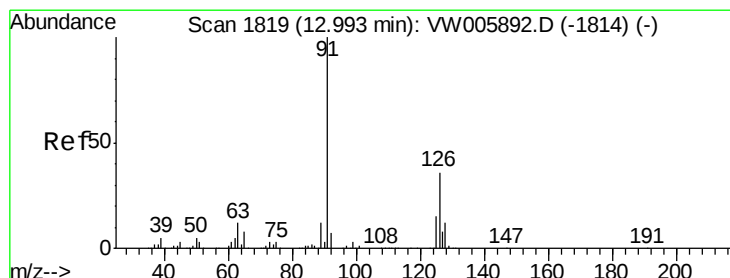
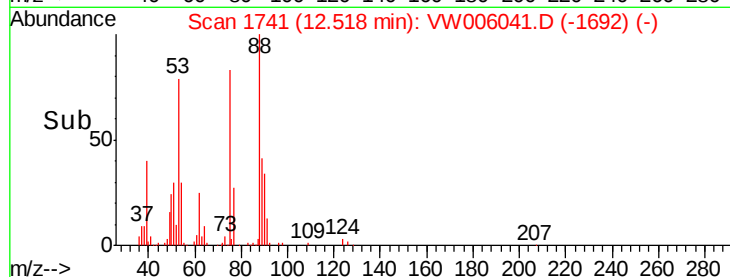
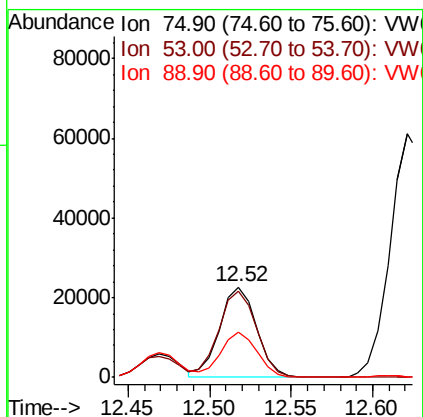
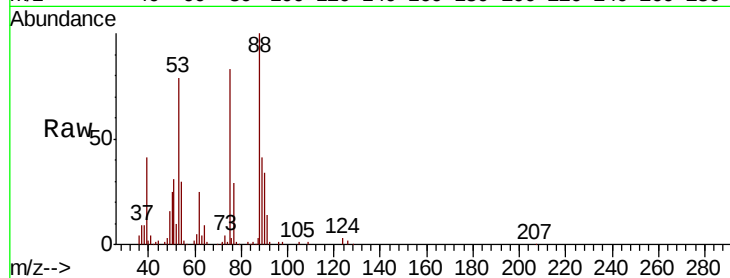
Tgt Ion: 75 Resp: 35534

Ion Ratio Lower Upper

75 100

53 99.2 76.5 114.7

89 49.1 37.6 56.4



#82

4-Chlorotoluene

Concen: 50.236 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006041.D

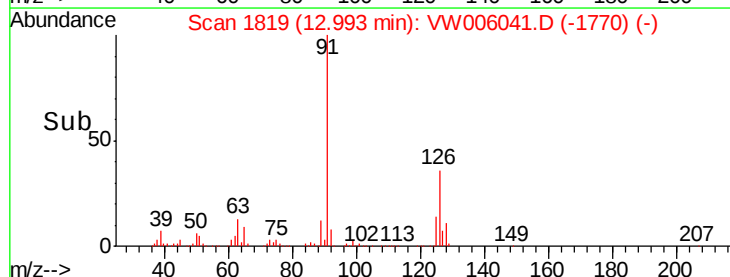
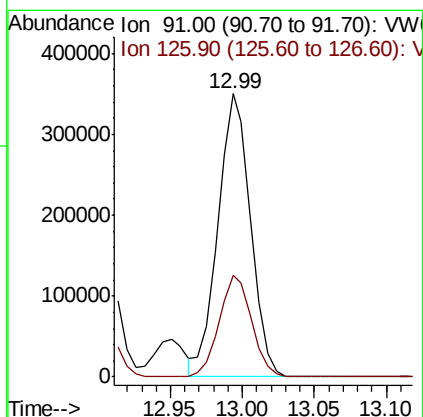
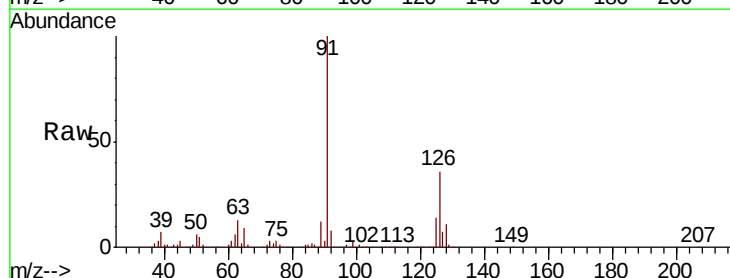
Acq: 12 Oct 2018 11:09

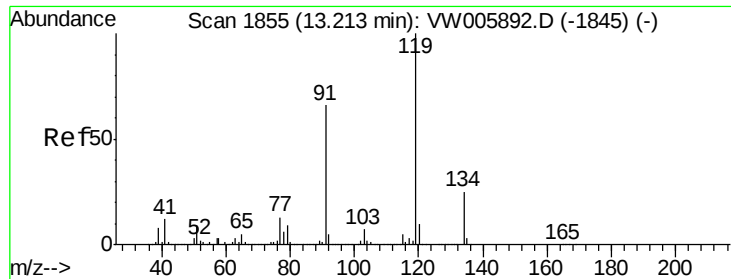
Tgt Ion: 91 Resp: 552766

Ion Ratio Lower Upper

91 100

126 36.0 17.4 52.2

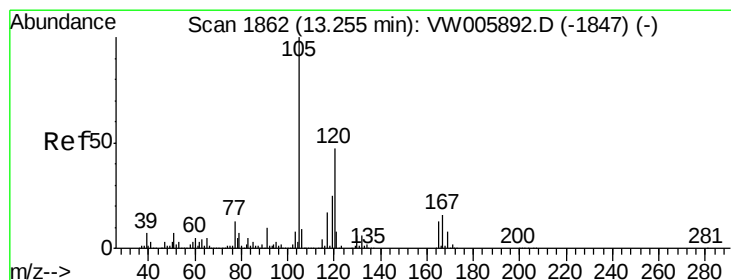
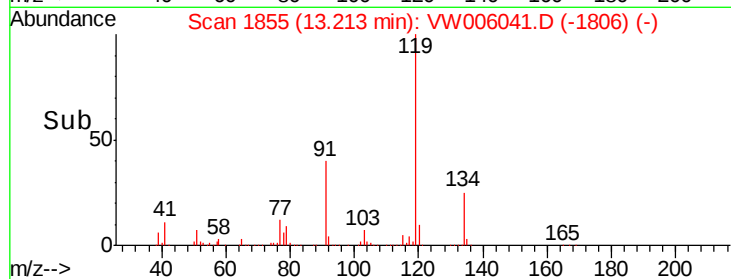
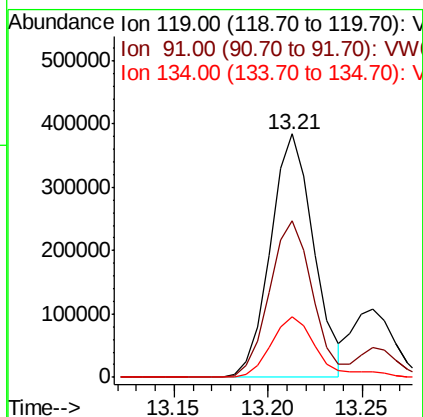
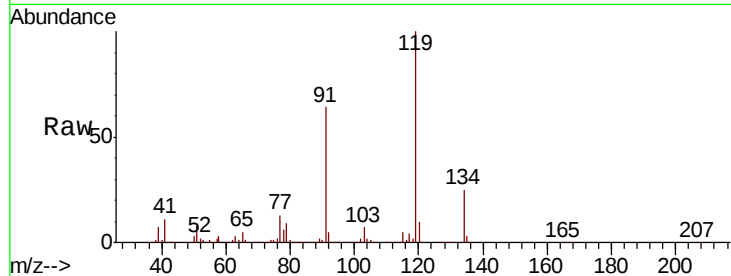




#83
 tert-Butylbenzene
 Concen: 51.737 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW006041.D
 Acq: 12 Oct 2018 11:09

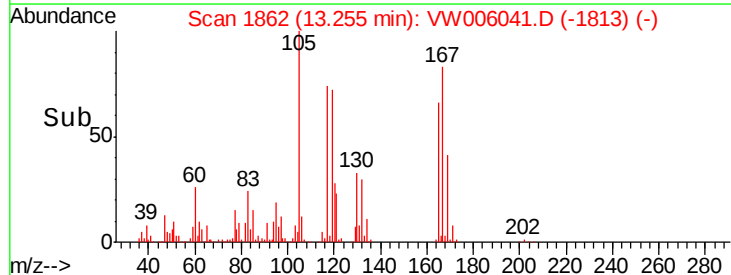
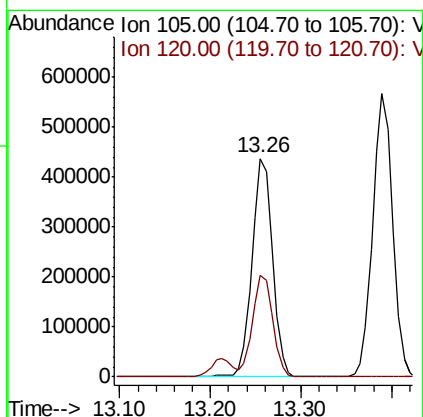
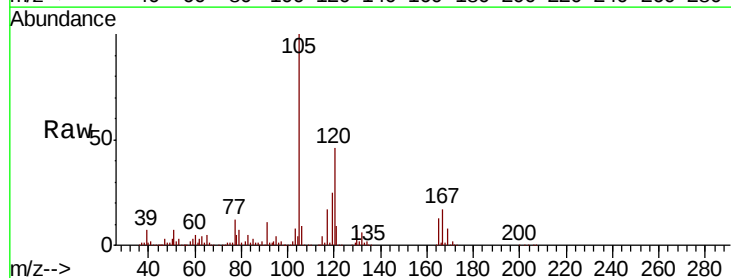
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

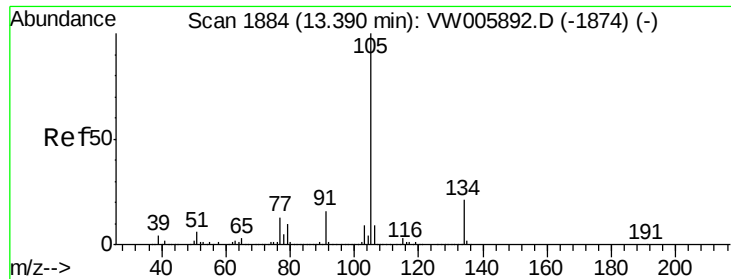
Tgt Ion:119 Resp: 611850
 Ion Ratio Lower Upper
 119 100
 91 64.7 32.4 97.0
 134 26.8 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 51.153 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006041.D
 Acq: 12 Oct 2018 11:09

Tgt Ion:105 Resp: 686083
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.8 68.3

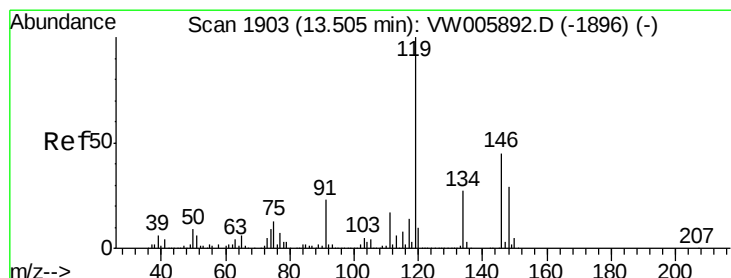
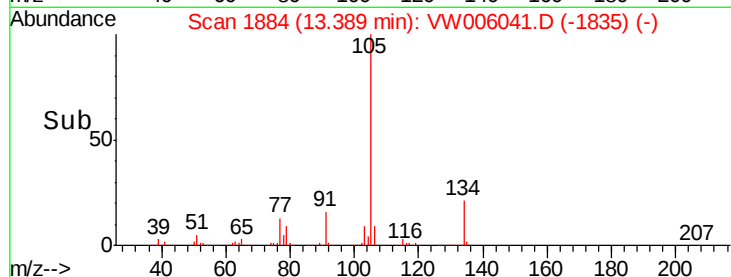
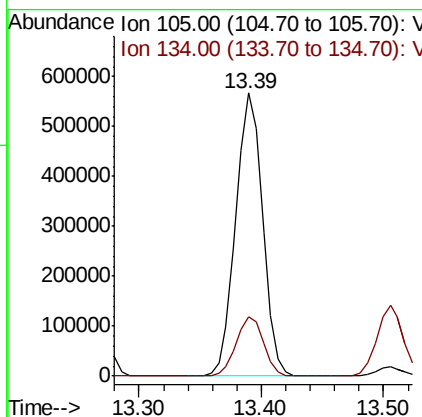
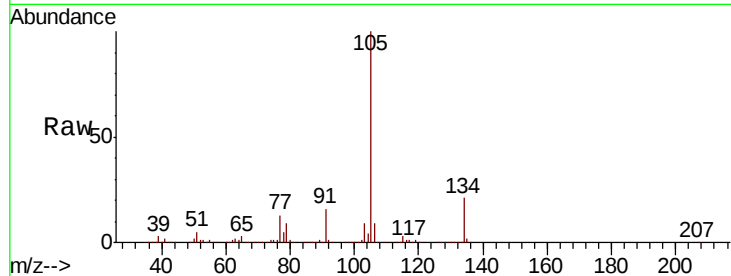




#85
 sec-Butylbenzene
 Concen: 51.974 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW006041.D
 Acq: 12 Oct 2018 11:09

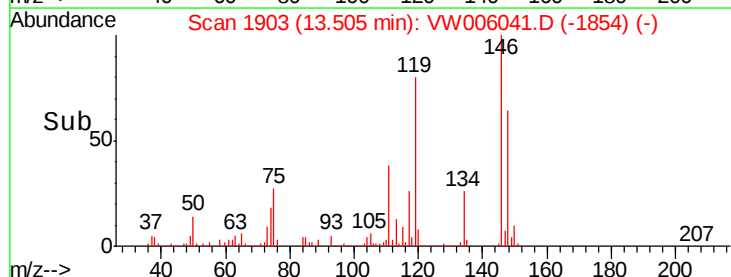
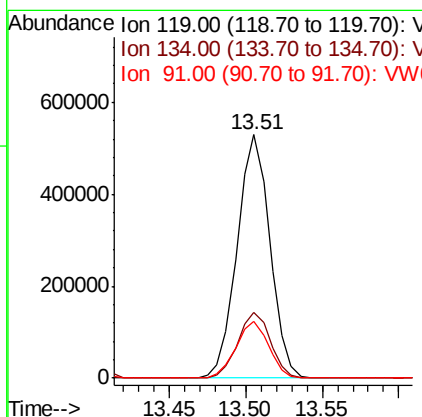
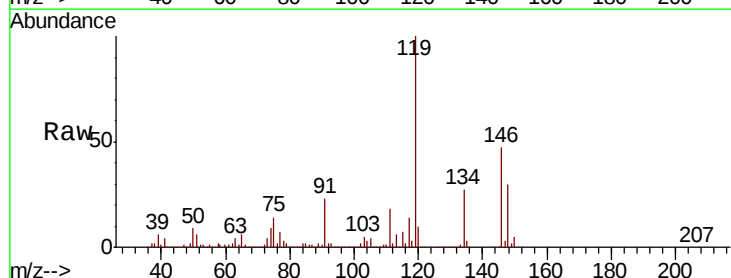
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

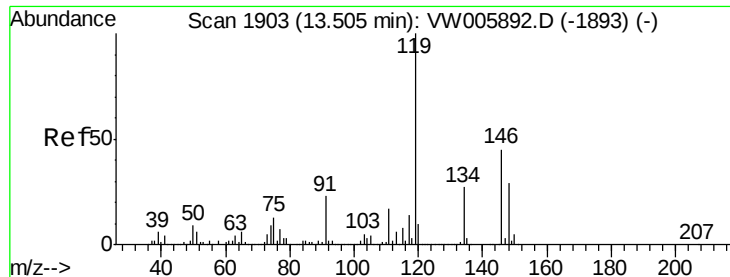
Tgt Ion:105 Resp: 862773
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 52.537 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006041.D
 Acq: 12 Oct 2018 11:09

Tgt Ion:119 Resp: 784285
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.5 40.5
 91 23.3 11.9 35.5

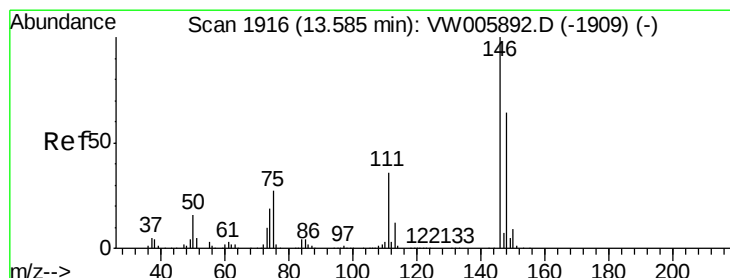
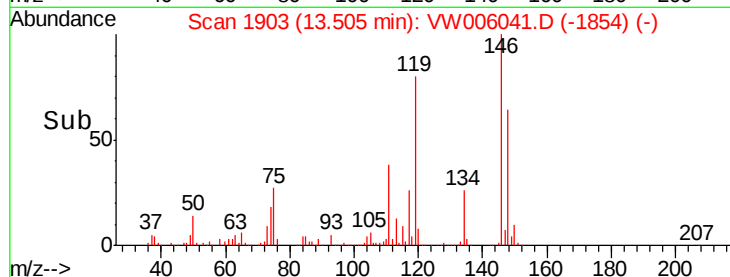
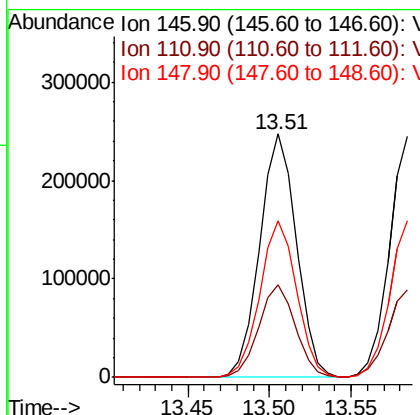
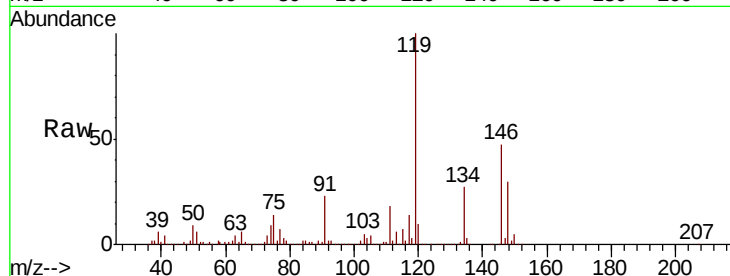




#87
 1,3-Dichlorobenzene
 Concen: 52.011 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006041.D
 Acq: 12 Oct 2018 11:09

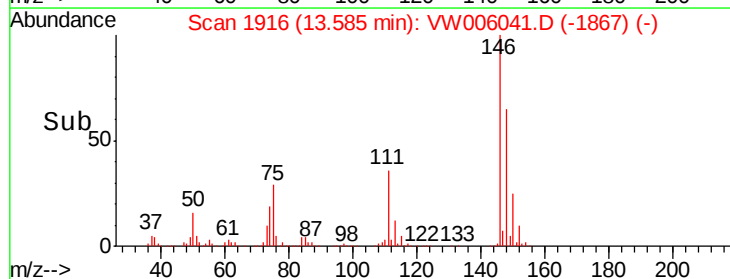
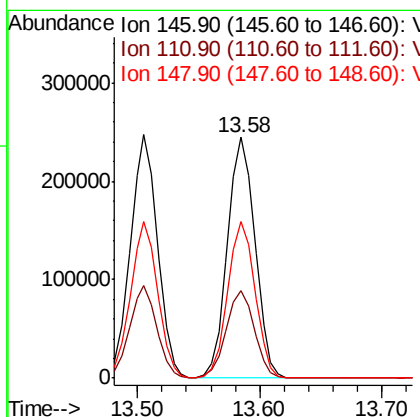
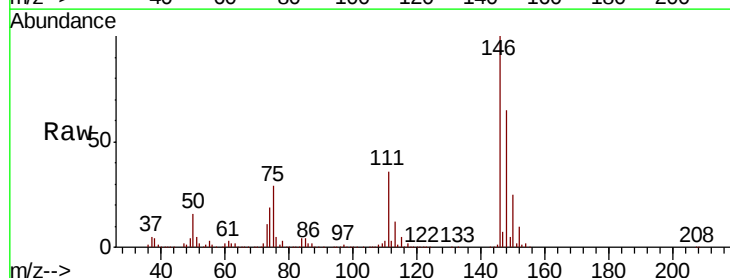
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

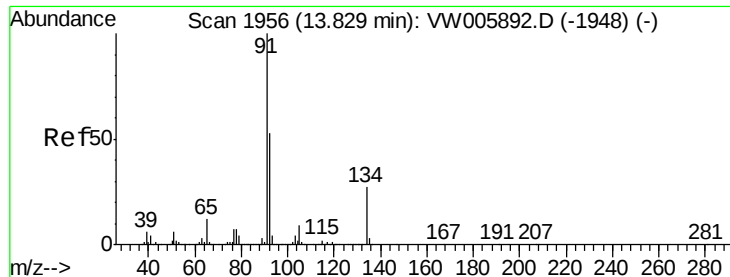
Tgt Ion:146 Resp: 385557
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.5 58.5
 148 64.2 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 51.672 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006041.D
 Acq: 12 Oct 2018 11:09

Tgt Ion:146 Resp: 380632
 Ion Ratio Lower Upper
 146 100
 111 37.1 19.0 57.0
 148 64.5 32.0 96.2





#89

n-Butylbenzene

Concen: 51.375 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006041.D

Acq: 12 Oct 2018 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

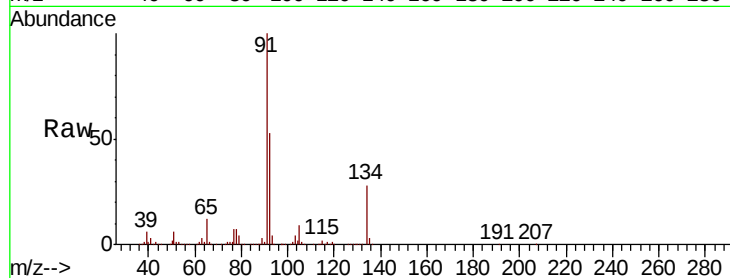
Tgt Ion: 91 Resp: 722940

Ion Ratio Lower Upper

91 100

92 52.7 26.6 79.8

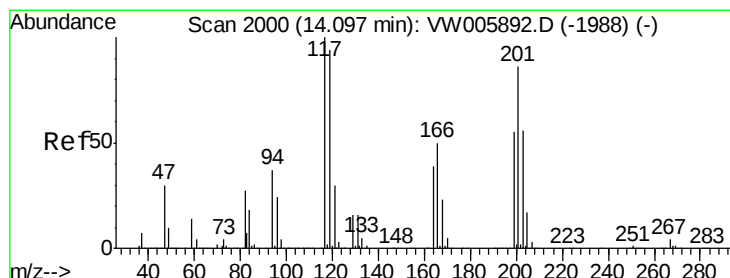
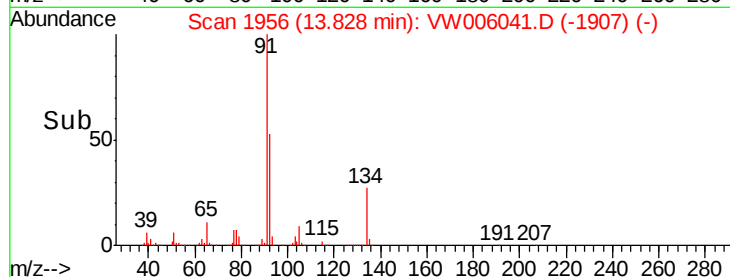
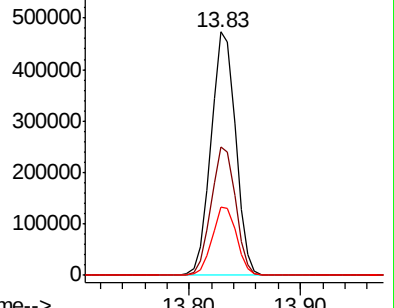
134 28.0 13.8 41.4



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: 48.197 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW006041.D

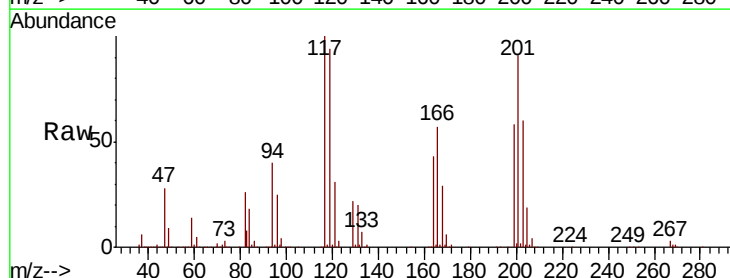
Acq: 12 Oct 2018 11:09

Tgt Ion: 117 Resp: 135322

Ion Ratio Lower Upper

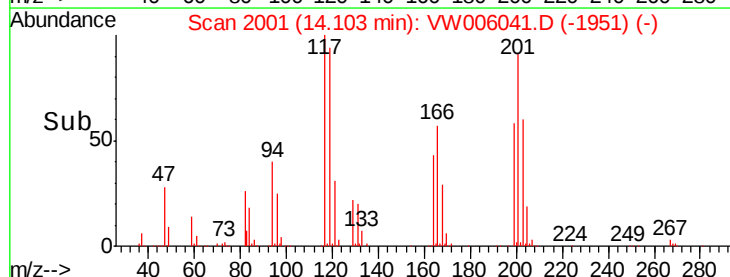
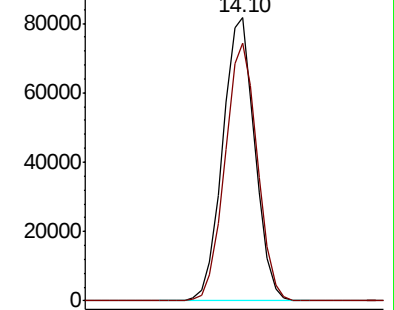
117 100

201 91.2 44.5 133.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

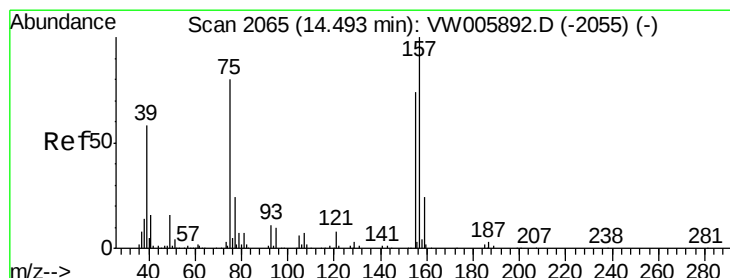
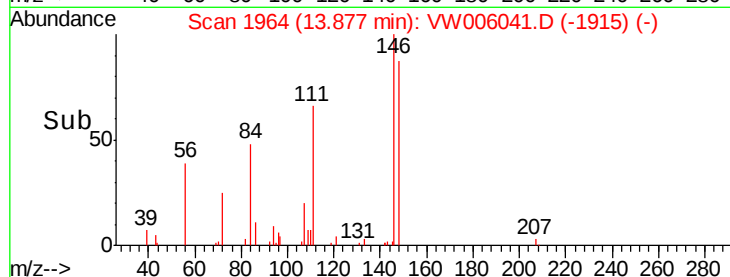
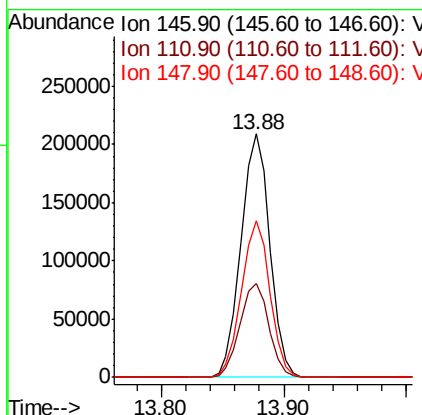
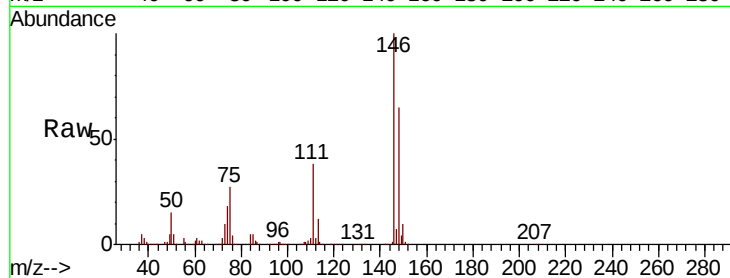




#91
 1,2-Dichlorobenzene
 Concen: 51.804 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006041.D
 Acq: 12 Oct 2018 11:09

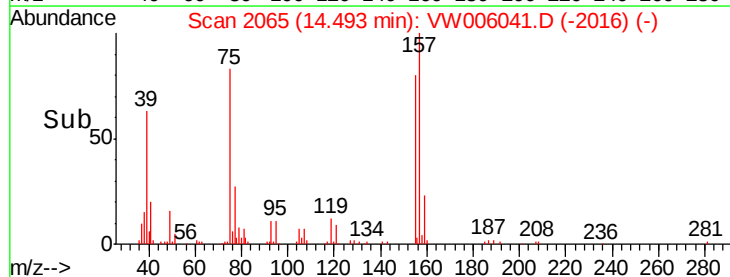
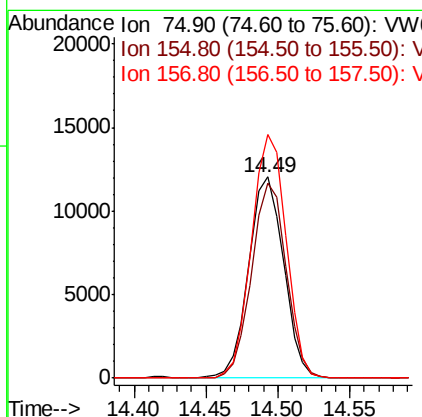
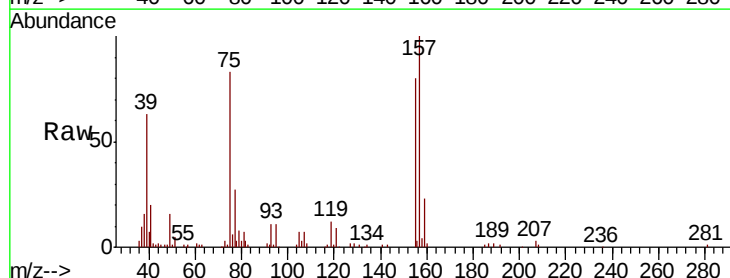
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

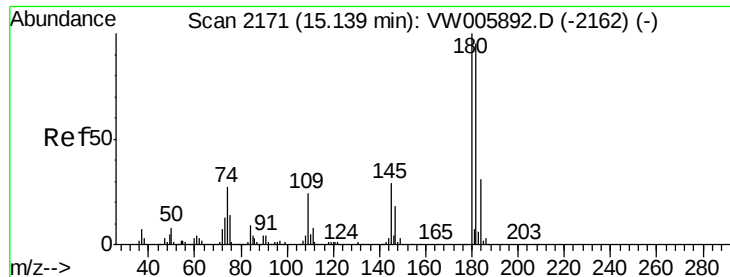
Tgt Ion: 146 Resp: 340941
 Ion Ratio Lower Upper
 146 100
 111 38.9 20.3 61.0
 148 63.9 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.117 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006041.D
 Acq: 12 Oct 2018 11:09

Tgt Ion: 75 Resp: 20261
 Ion Ratio Lower Upper
 75 100
 155 95.6 44.8 134.3
 157 119.3 58.9 176.6

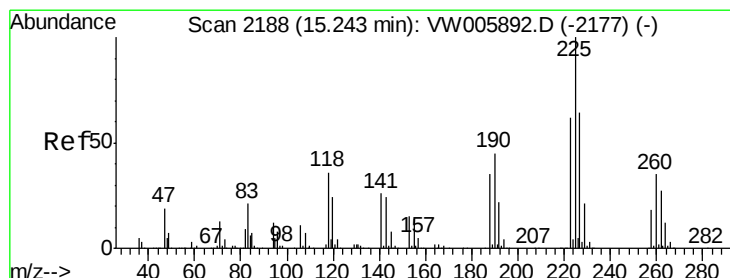
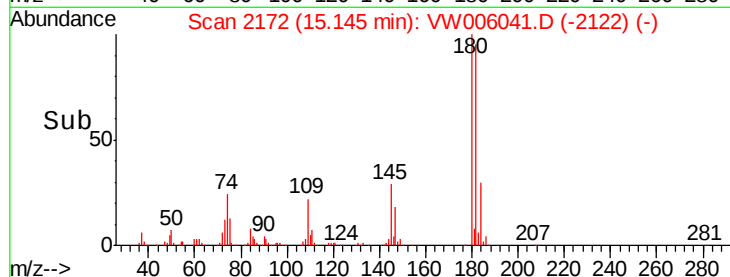
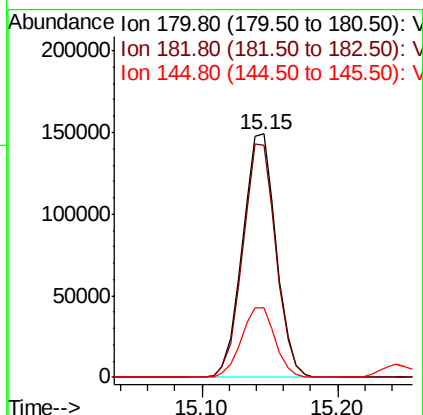
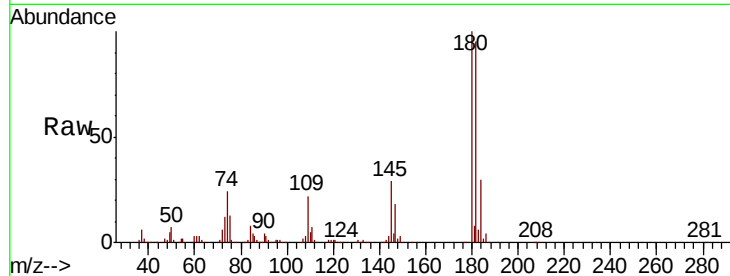




#93
 1,2,4-Trichlorobenzene
 Concen: 50.201 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW006041.D
 Acq: 12 Oct 2018 11:09

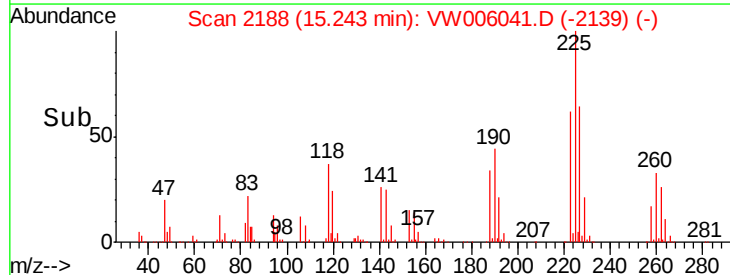
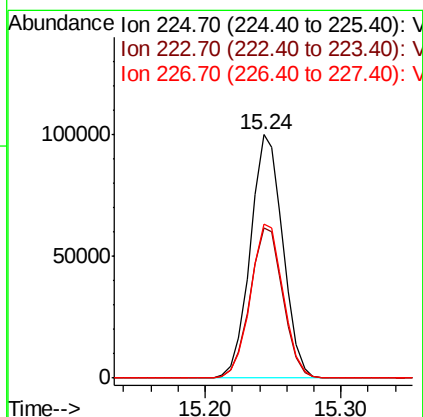
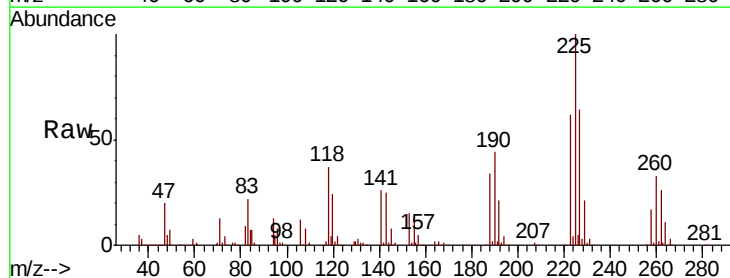
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

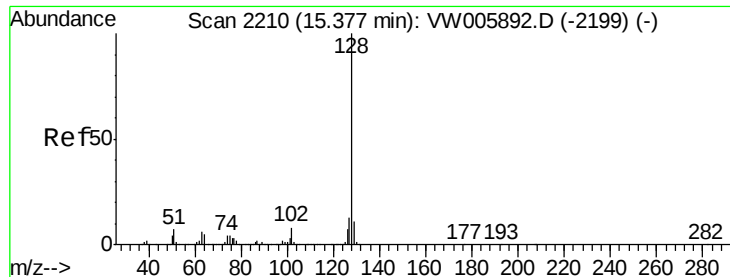
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.8	143.3
145	28.9	14.5	43.6



#94
 Hexachlorobutadiene
 Concen: 52.346 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006041.D
 Acq: 12 Oct 2018 11:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.2	93.6
227	63.8	31.9	95.9

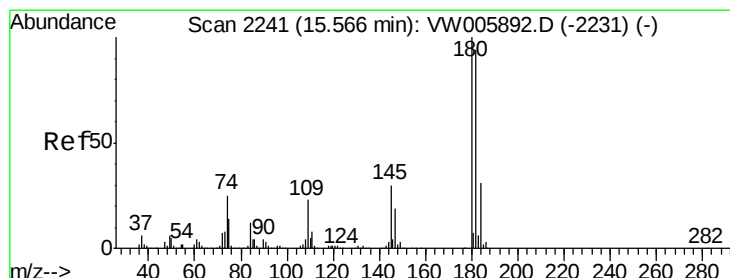
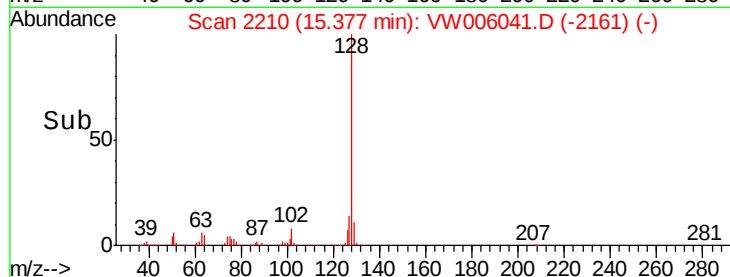
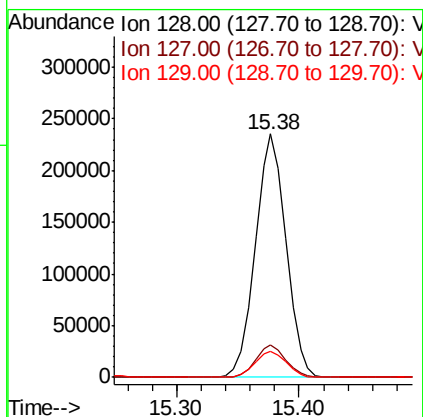
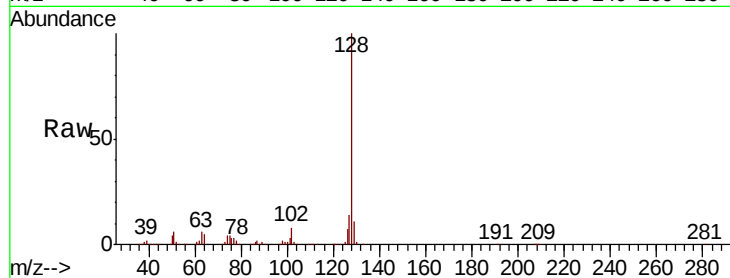




#95
Naphthalene
Concen: 46.591 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 409818
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.0 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 49.654 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006041.D
Acq: 12 Oct 2018 11:09

Tgt Ion:180 Resp: 219399
Ion Ratio Lower Upper
180 100
182 95.4 47.6 142.8
145 30.3 15.3 45.9

