

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103118\
 Data File : VW006492.D
 Acq On : 30 Oct 2018 10:41
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 30 13:59:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232135	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	318077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	287413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	162240	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	83432	43.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.70%	
35) Dibromofluoromethane	7.88	113	94384	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	10.32	98	354740	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.62	95	132479	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	66162	57.60	ug/l	99
3) Chloromethane	2.21	50	75713	51.20	ug/l	98
4) Vinyl Chloride	2.37	62	116678	55.25	ug/l	99
5) Bromomethane	2.79	94	97045	50.53	ug/l	98
6) Chloroethane	2.93	64	84787	56.03	ug/l	96
7) Trichlorofluoromethane	3.26	101	114614	58.26	ug/l	99
8) Diethyl Ether	3.68	74	47906	45.82	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	116433	56.48	ug/l	98
10) Methyl Iodide	4.26	142	190084	55.40	ug/l	99
11) Tert butyl alcohol	5.24	59	23686	183.00	ug/l	99
12) 1,1-Dichloroethene	4.03	96	107729	55.54	ug/l	91
13) Acrolein	3.90	56	22010	175.74	ug/l	96
14) Allyl chloride	4.67	41	137714	49.66	ug/l	98
15) Acrylonitrile	5.38	53	84390	225.05	ug/l	100
16) Acetone	4.15	43	105974	296.25	ug/l	97
17) Carbon Disulfide	4.37	76	295934	50.55	ug/l	99
18) Methyl Acetate	4.68	43	41541	42.89	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	138367	46.84	ug/l	98
20) Methylene Chloride	4.91	84	107648	52.96	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	120368	55.60	ug/l	94
22) Diisopropyl ether	6.31	45	273291	49.87	ug/l	99
23) Vinyl Acetate	6.26	43	737483	228.02	ug/l	99
24) 1,1-Dichloroethane	6.21	63	192903	54.55	ug/l	99
25) 2-Butanone	7.18	43	125017	240.46	ug/l	98
26) 2,2-Dichloropropane	7.17	77	133572	53.55	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	131300	54.96	ug/l	98
28) Bromochloromethane	7.51	49	70157	51.39	ug/l	90
29) Tetrahydrofuran	7.54	42	65888	206.17	ug/l	97
30) Chloroform	7.68	83	211573	54.91	ug/l	99
31) Cyclohexane	7.95	56	176495	50.12	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	191414	55.08	ug/l	98
36) 1,1-Dichloropropene	8.08	75	168877	57.60	ug/l	99
37) Ethyl Acetate	7.26	43	48365	44.40	ug/l	99
38) Carbon Tetrachloride	8.07	117	186048	57.89	ug/l	97

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	223639	57.39	ug/l	98
40) Benzene	8.32	78	459921	57.19	ug/l	100
41) Methacrylonitrile	7.49	41	31356	47.75	ug/l	98
42) 1,2-Dichloroethane	8.40	62	124116	52.53	ug/l	98
43) Isopropyl Acetate	8.43	43	96893	43.51	ug/l	96
44) Trichloroethene	9.09	130	143779	58.27	ug/l	98
45) 1,2-Dichloropropane	9.37	63	107150	55.68	ug/l	100
46) Dibromomethane	9.46	93	57741	52.64	ug/l	97
47) Bromodichloromethane	9.65	83	145398	54.68	ug/l	99
48) Methyl methacrylate	9.44	41	47042	44.56	ug/l	94
49) 1,4-Dioxane	9.49	88	17446	1033.21	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	248472	222.67	ug/l	98
52) Toluene	10.39	92	311383	57.75	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	139409	52.62	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	167678	55.14	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	81311	52.98	ug/l	99
56) Ethyl methacrylate	10.65	69	91799	48.79	ug/l	95
57) 1,3-Dichloropropane	10.93	76	133879	52.69	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	170404	237.00	ug/l	99
59) 2-Hexanone	10.97	43	192359	241.49	ug/l	97
60) Dibromochloromethane	11.13	129	101734	53.21	ug/l	99
61) 1,2-Dibromoethane	11.24	107	81450	53.11	ug/l	100
64) Tetrachloroethene	10.87	164	131889	59.11	ug/l	96
65) Chlorobenzene	11.66	112	360754	58.63	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	125722	57.50	ug/l	99
67) Ethyl Benzene	11.73	91	627040	58.81	ug/l	100
68) m/p-Xylenes	11.84	106	500114	118.67	ug/l	98
69) o-Xylene	12.17	106	233305	58.09	ug/l	97
70) Styrene	12.18	104	380753	58.30	ug/l	99
71) Bromoform	12.35	173	62181	50.99	ug/l #	99
73) Isopropylbenzene	12.47	105	673304	58.74	ug/l	100
74) N-amyl acetate	12.27	43	95910	43.08	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.72	83	88733	50.90	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	114634	92.51	ug/l #	100
77) Bromobenzene	12.75	156	161354	57.48	ug/l	96
78) n-propylbenzene	12.81	91	779979	58.49	ug/l	99
79) 2-Chlorotoluene	12.90	91	431968	57.66	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	565444	58.52	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	25228	48.66	ug/l	99
82) 4-Chlorotoluene	12.99	91	453825	57.82	ug/l	99
83) tert-Butylbenzene	13.21	119	512660	59.30	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	569248	58.22	ug/l	100
85) sec-Butylbenzene	13.39	105	722147	59.13	ug/l	99
86) p-Isopropyltoluene	13.51	119	654042	59.21	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	328943	58.88	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	320590	57.63	ug/l	99
89) n-Butylbenzene	13.83	91	594531	58.85	ug/l	99
90) Hexachloroethane	14.10	117	106400	56.86	ug/l	95
91) 1,2-Dichlorobenzene	13.88	146	280829	56.35	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13669	43.79	ug/l	94

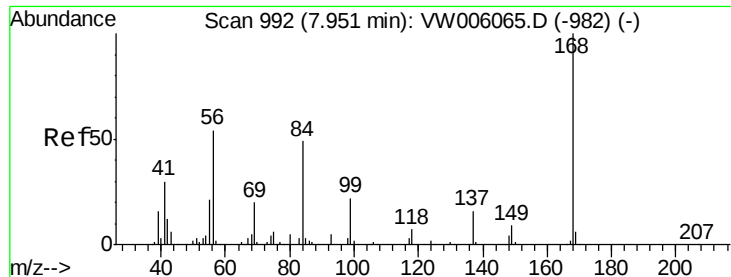
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW103118\
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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	209147	54.54	ug/l	99
94) Hexachlorobutadiene	15.24	225	141152	58.60	ug/l	99
95) Naphthalene	15.38	128	300528	47.11	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	173827	52.41	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

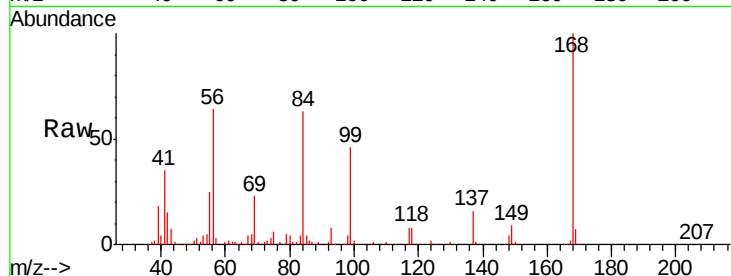
VSTDCCC050

Tgt Ion:168 Resp: 232135

Ion Ratio Lower Upper

168 100

99 45.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

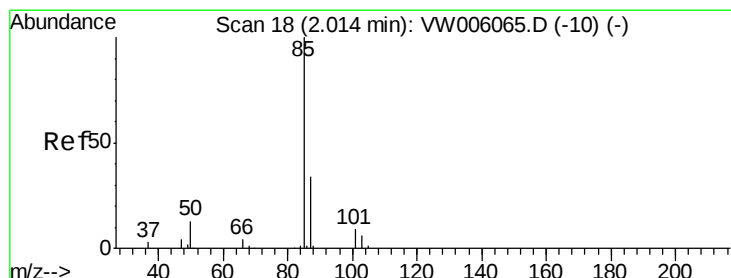
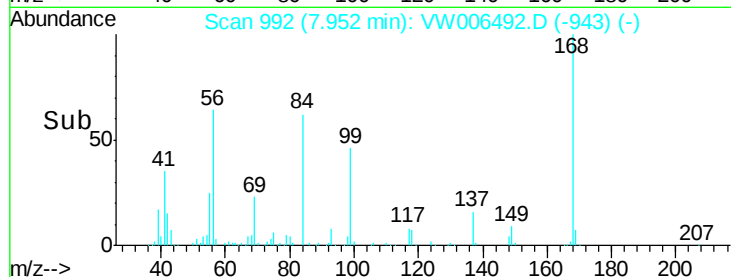
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 57.60 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006492.D

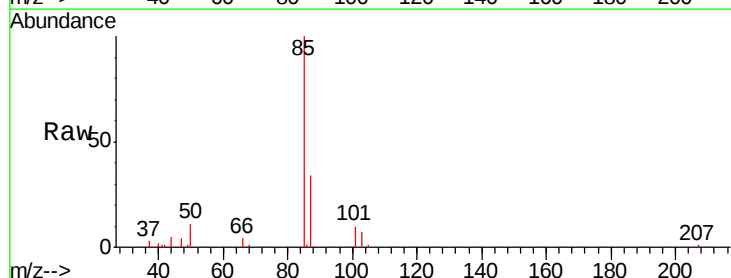
Acq: 30 Oct 2018 10:41

Tgt Ion: 85 Resp: 66162

Ion Ratio Lower Upper

85 100

87 34.1 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

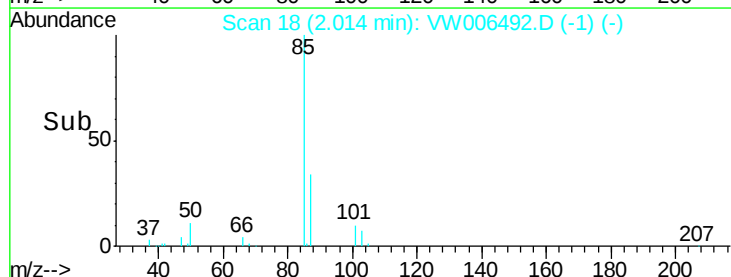
15000

10000

5000

0

Time-->





#3

Chloromethane

Concen: 51.20 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

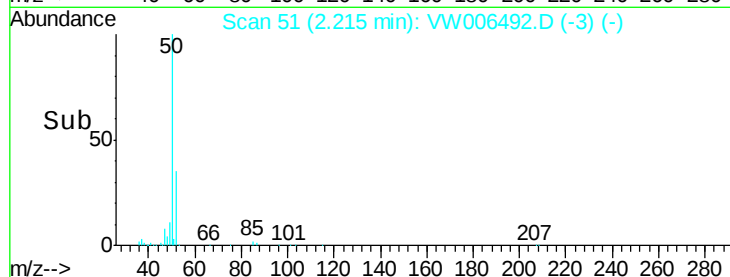
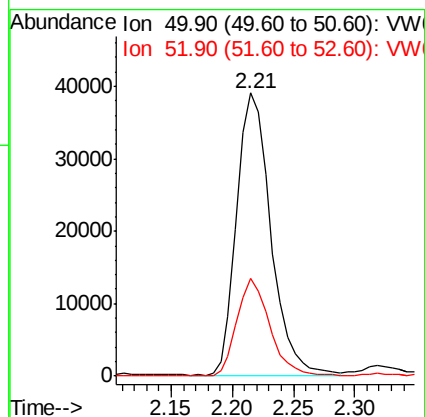
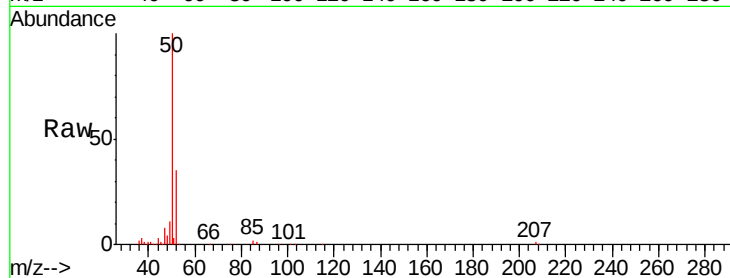
VSTDCCC050

Tgt Ion: 50 Resp: 75713

Ion Ratio Lower Upper

50 100

52 34.9 26.8 40.2



#4

Vinyl Chloride

Concen: 55.25 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006492.D

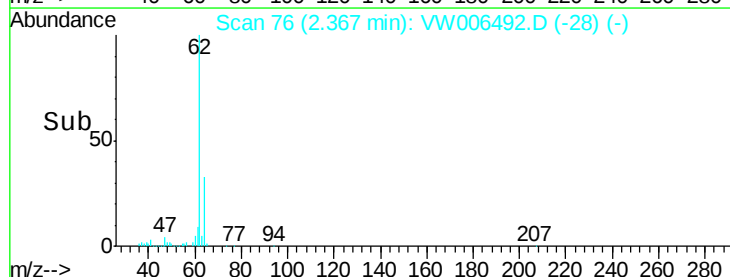
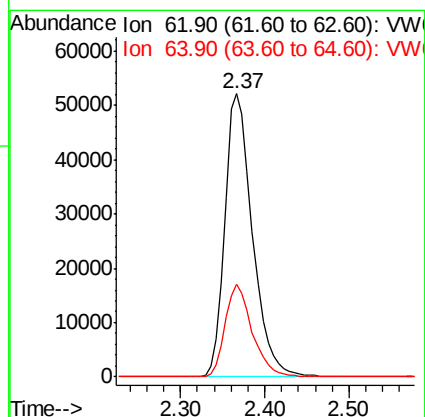
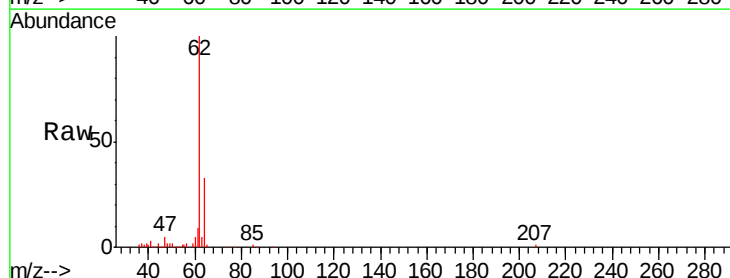
Acq: 30 Oct 2018 10:41

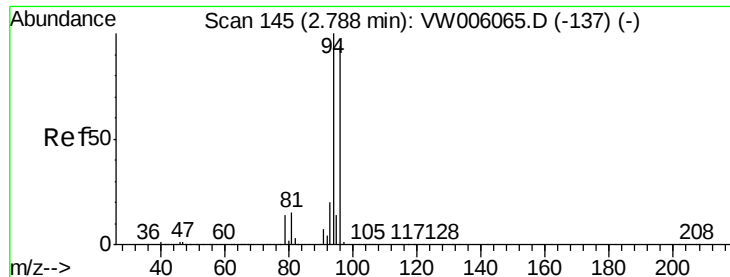
Tgt Ion: 62 Resp: 116678

Ion Ratio Lower Upper

62 100

64 32.9 25.9 38.9





#5

Bromomethane

Concen: 50.53 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

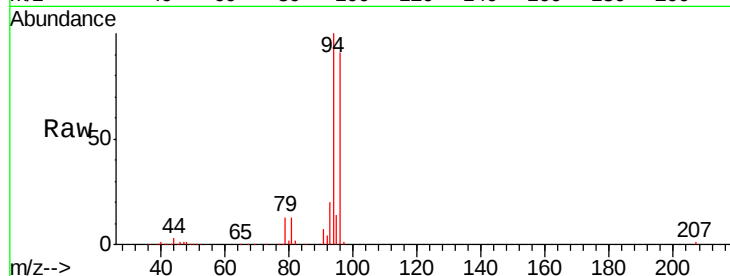
VSTDCCC050

Tgt Ion: 94 Resp: 97045

Ion Ratio Lower Upper

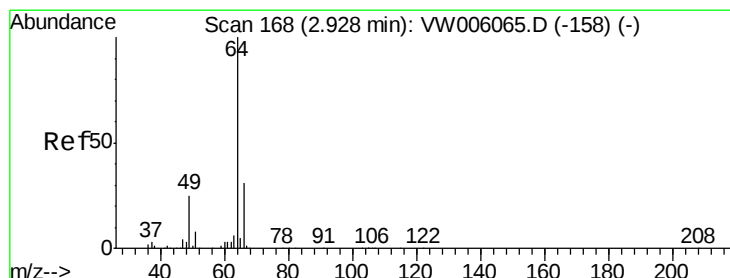
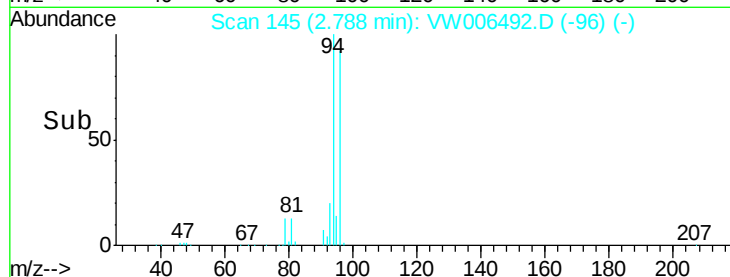
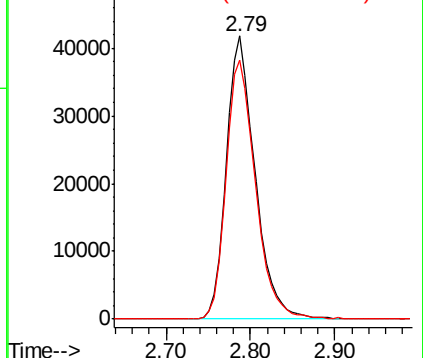
94 100

96 91.4 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 56.03 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006492.D

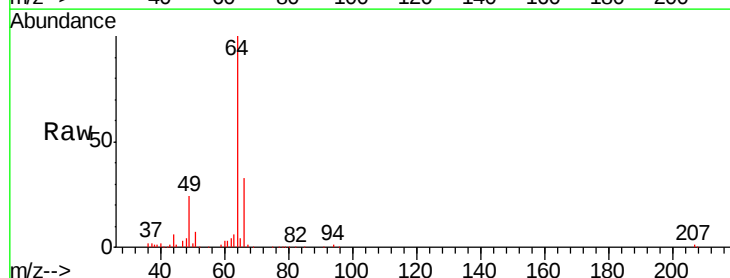
Acq: 30 Oct 2018 10:41

Tgt Ion: 64 Resp: 84787

Ion Ratio Lower Upper

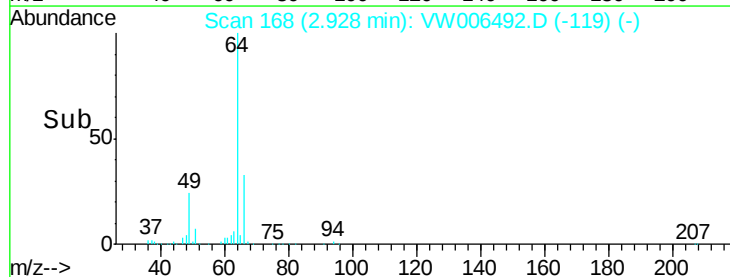
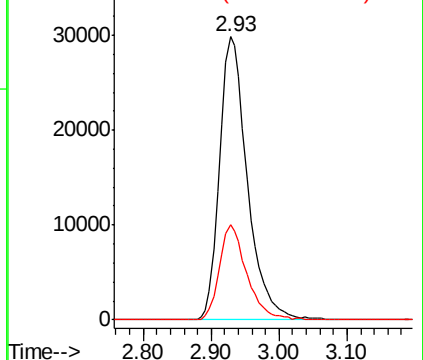
64 100

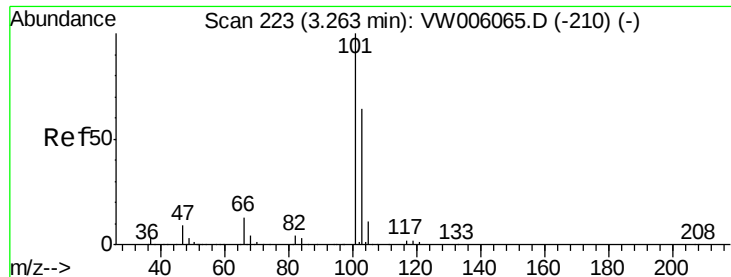
66 33.5 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

Trichlorofluoromethane

Concen: 58.26 ug/l

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

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ClientSampleId :

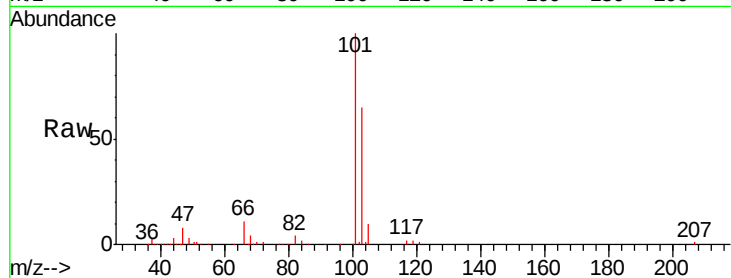
VSTDCCC050

Tgt Ion:101 Resp: 114614

Ion Ratio Lower Upper

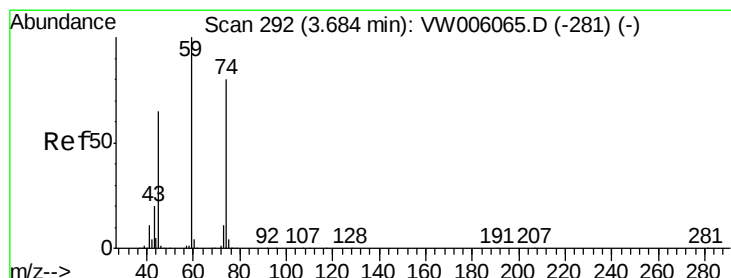
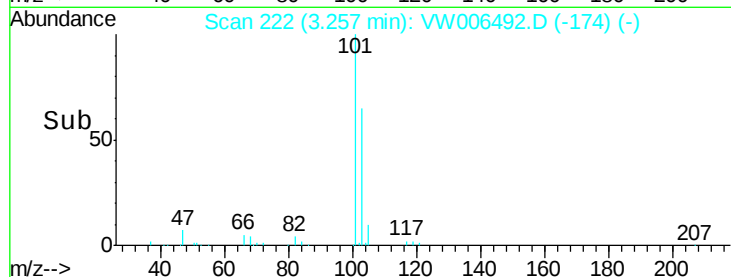
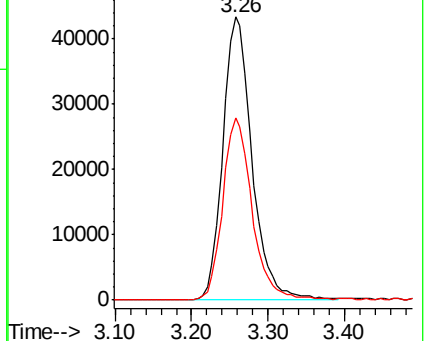
101 100

103 64.6 51.2 76.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 45.82 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW006492.D

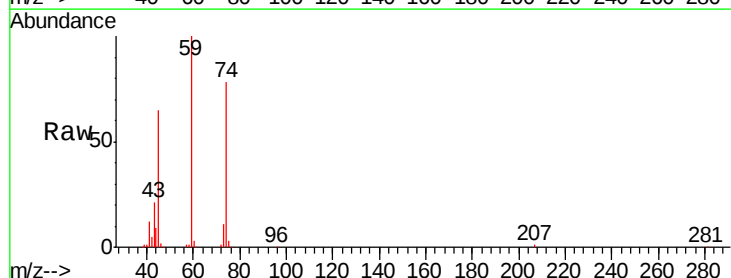
Acq: 30 Oct 2018 10:41

Tgt Ion: 74 Resp: 47906

Ion Ratio Lower Upper

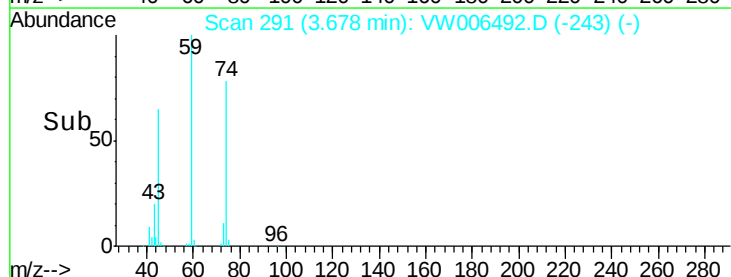
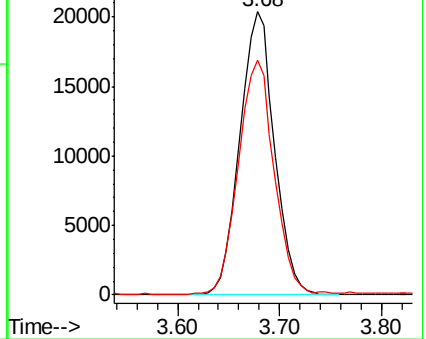
74 100

45 86.2 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.48 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

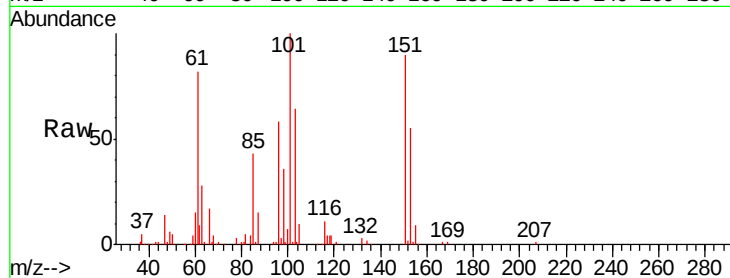
Tgt Ion:101 Resp: 116433

Ion Ratio Lower Upper

101 100

85 43.0 34.9 52.3

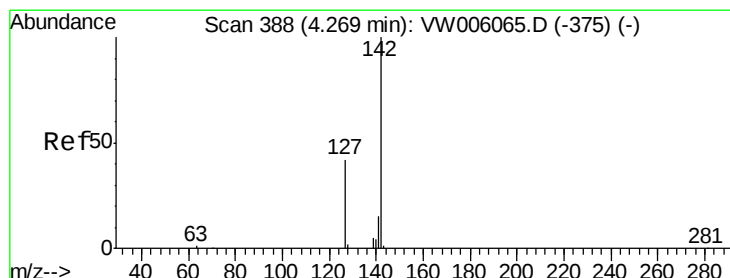
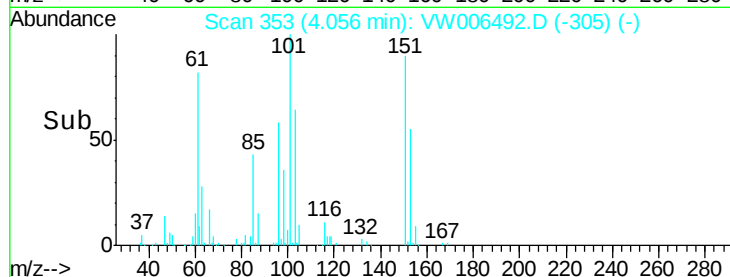
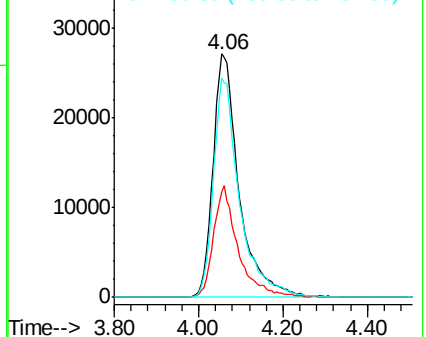
151 89.8 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.40 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

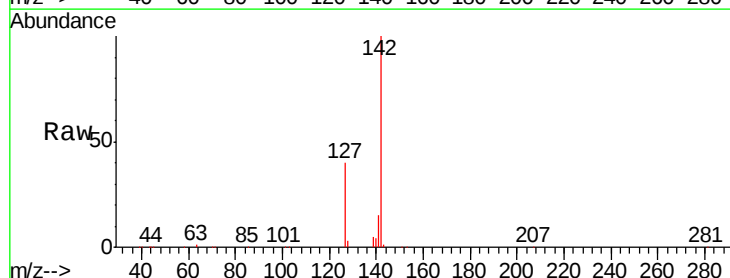
Tgt Ion:142 Resp: 190084

Ion Ratio Lower Upper

142 100

127 41.0 33.6 50.4

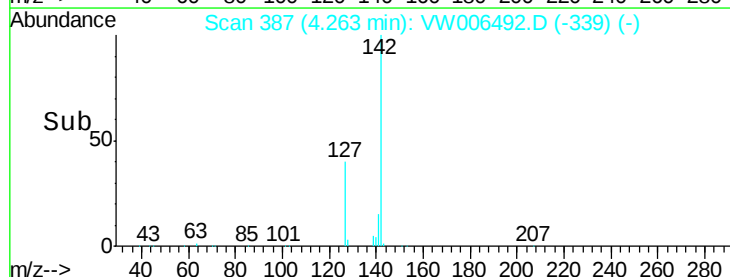
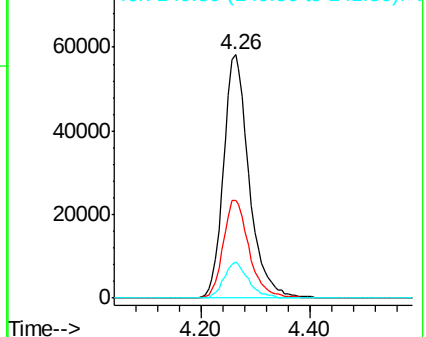
141 14.3 11.6 17.4

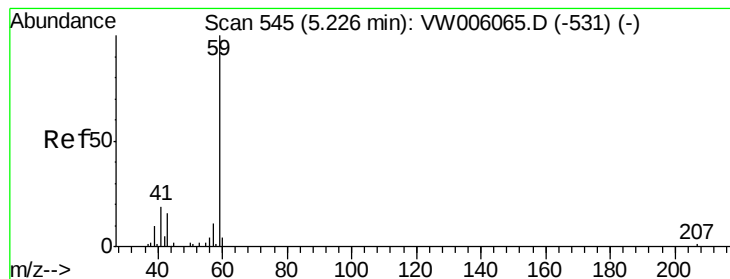


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



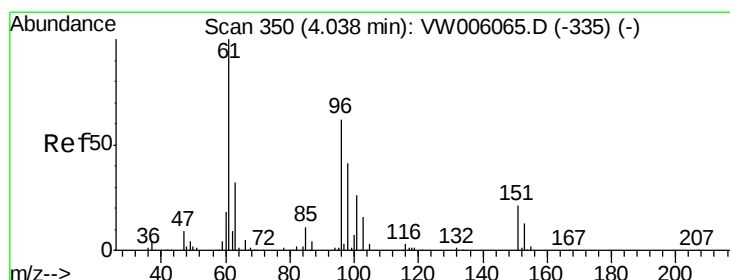
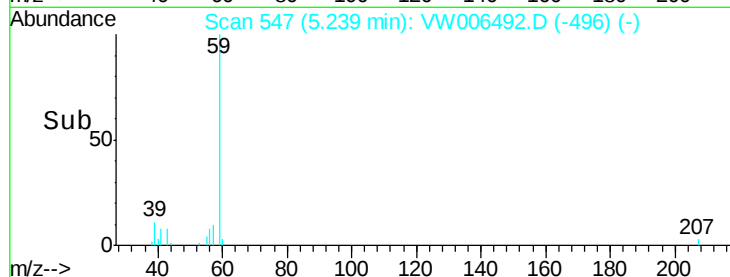
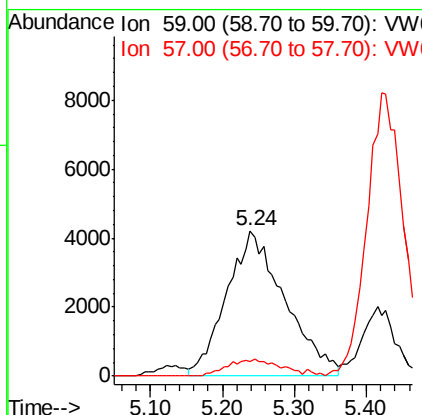
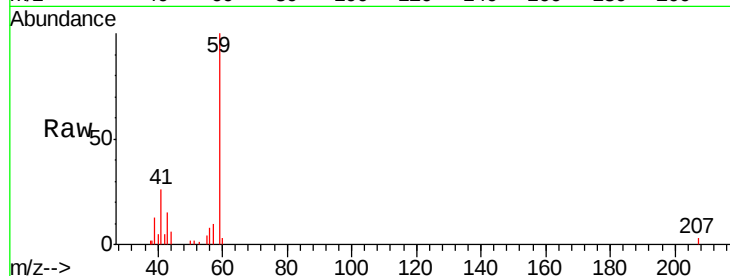


#11

Tert butyl alcohol
Concen: 183.00 ug/l
RT: 5.24 min Scan# 547
Delta R.T. 0.01 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

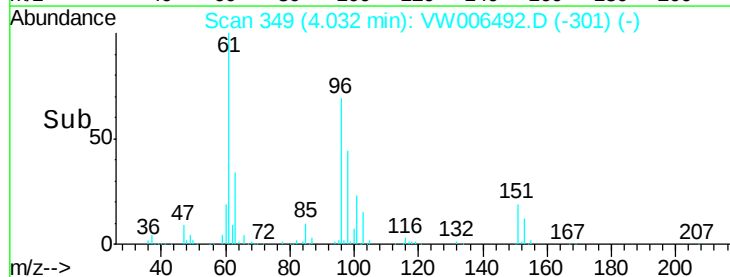
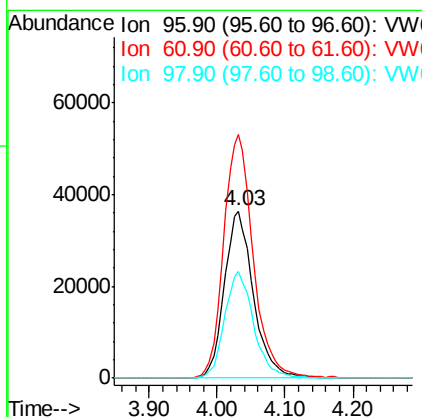
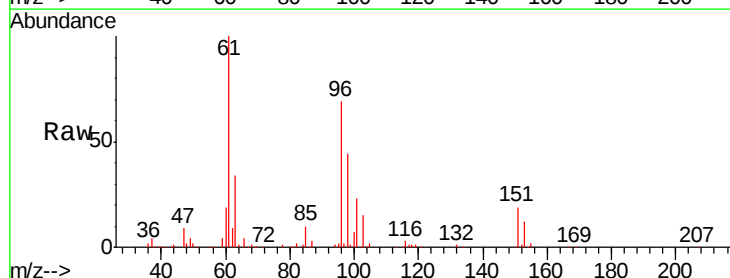
Tgt Ion: 59 Resp: 23686
Ion Ratio Lower Upper
59 100
57 10.4 8.7 13.1

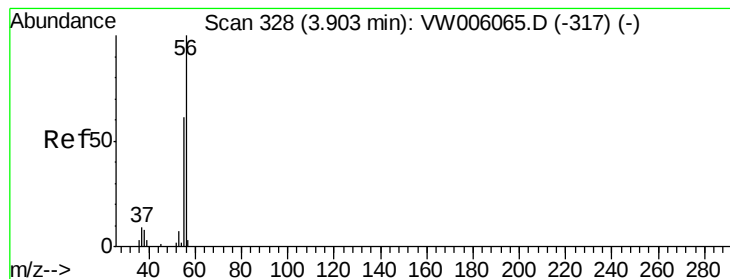


#12

1,1-Dichloroethene
Concen: 55.54 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

Tgt Ion: 96 Resp: 107729
Ion Ratio Lower Upper
96 100
61 145.9 129.3 193.9
98 63.6 53.1 79.7





#13

Acrolein

Concen: 175.74 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

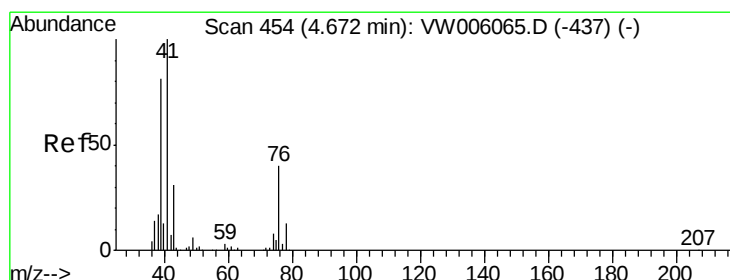
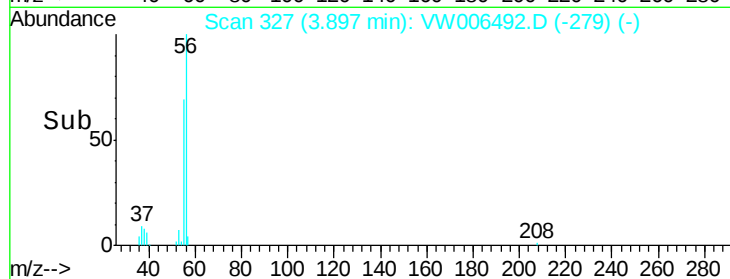
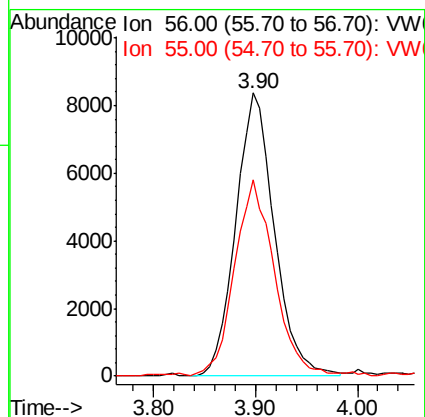
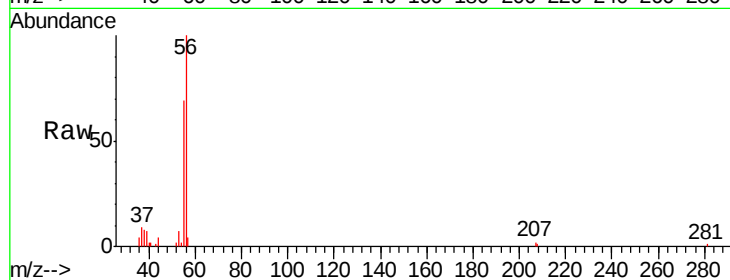
VSTDCCC050

Tgt Ion: 56 Resp: 22010

Ion Ratio Lower Upper

56 100

55 71.3 54.5 81.7



#14

Allyl chloride

Concen: 49.66 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

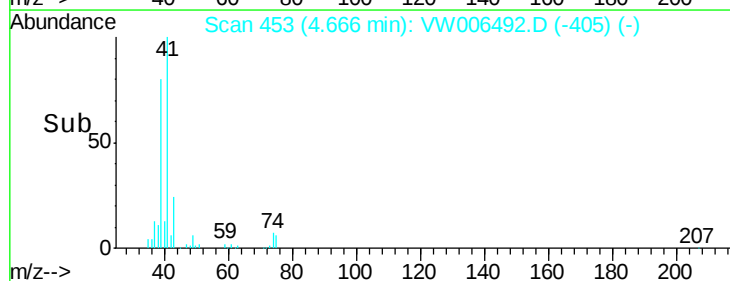
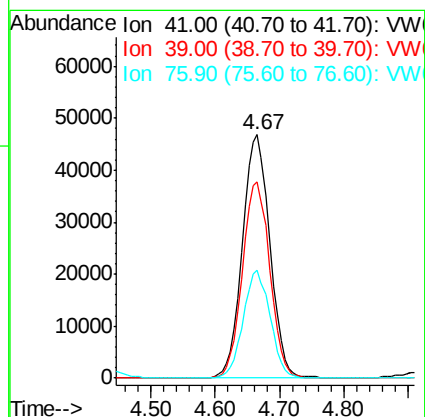
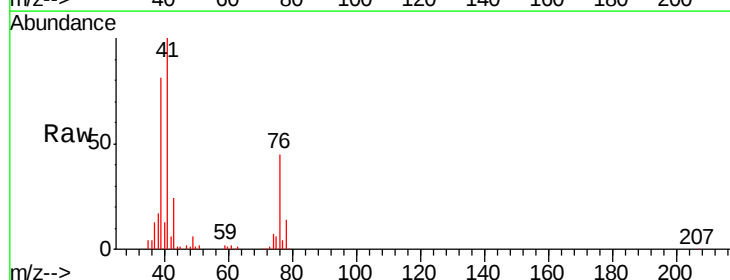
Tgt Ion: 41 Resp: 137714

Ion Ratio Lower Upper

41 100

39 80.3 64.1 96.1

76 43.2 32.2 48.4





#15

Acrylonitrile

Concen: 225.05 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

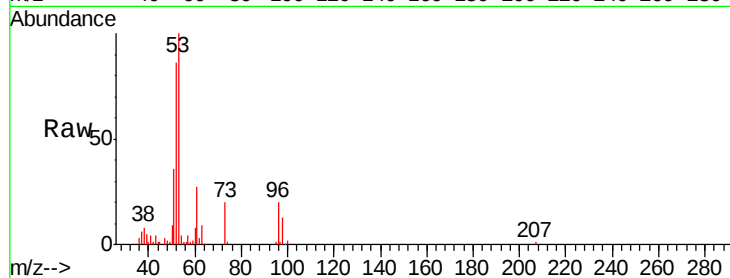
Tgt Ion: 53 Resp: 84390

Ion Ratio Lower Upper

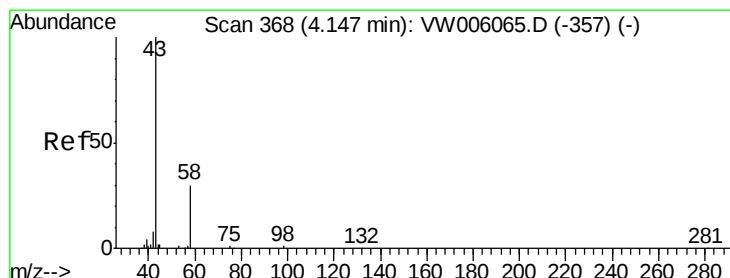
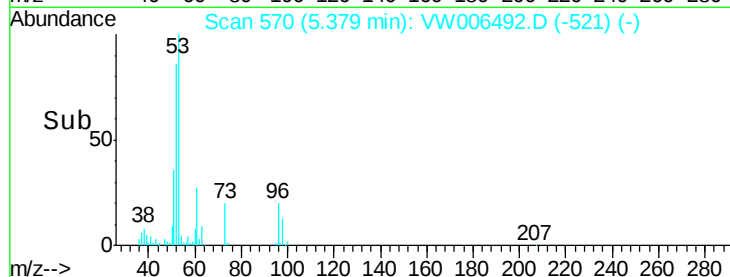
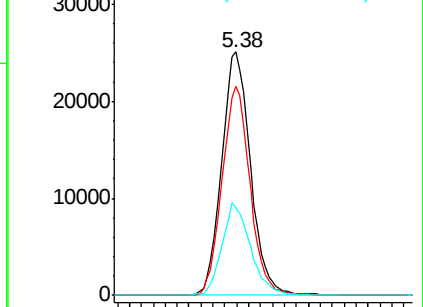
53 100

52 83.1 66.9 100.3

51 37.6 30.1 45.1



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: 296.25 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006492.D

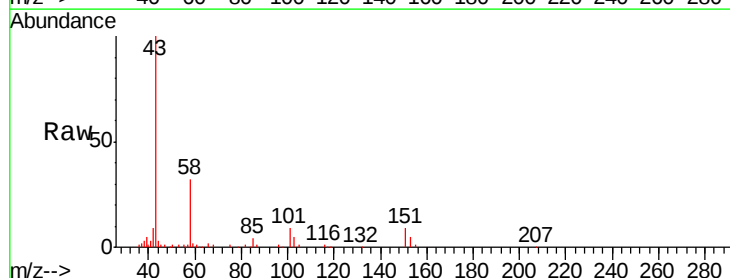
Acq: 30 Oct 2018 10:41

Tgt Ion: 43 Resp: 105974

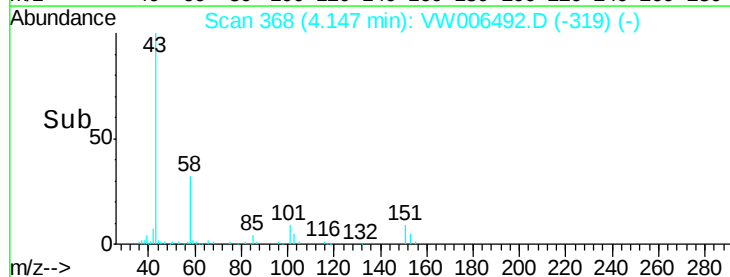
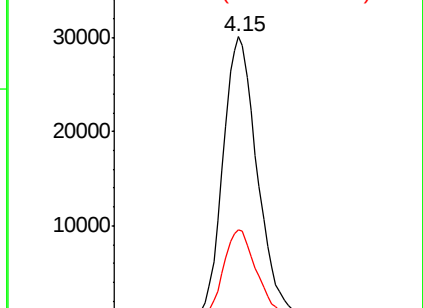
Ion Ratio Lower Upper

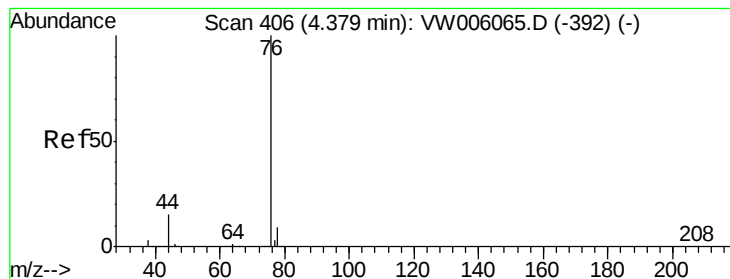
43 100

58 31.7 24.0 36.0



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





#17

Carbon Disulfide

Concen: 50.55 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

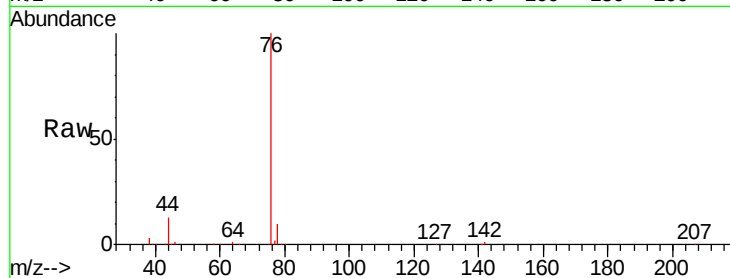
VSTDCCC050

Tgt Ion: 76 Resp: 295934

Ion Ratio Lower Upper

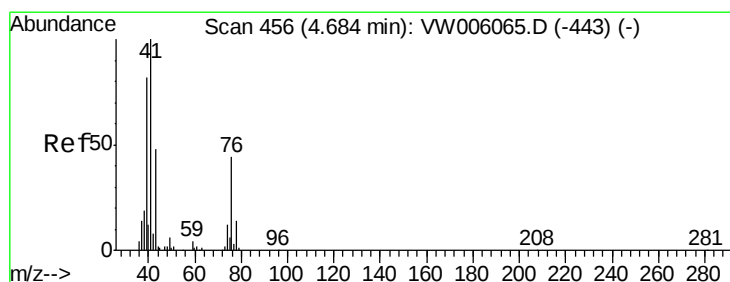
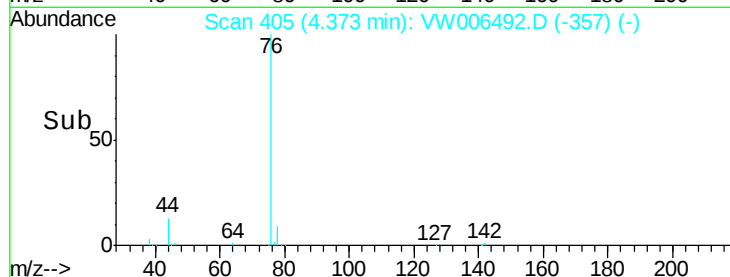
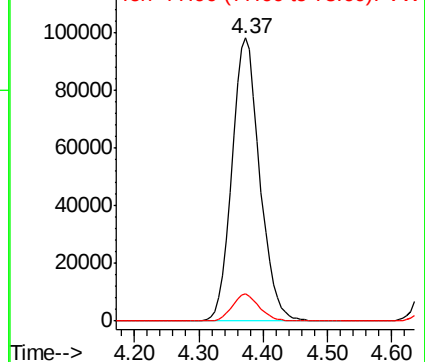
76 100

78 9.6 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 42.89 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006492.D

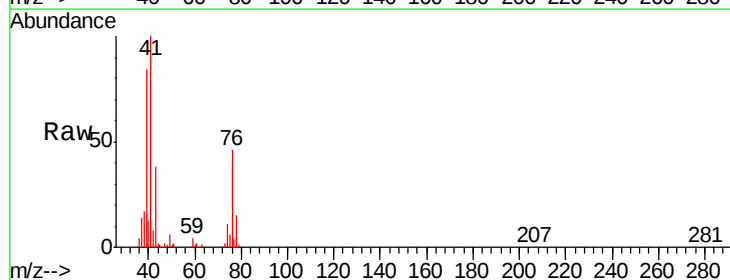
Acq: 30 Oct 2018 10:41

Tgt Ion: 43 Resp: 41541

Ion Ratio Lower Upper

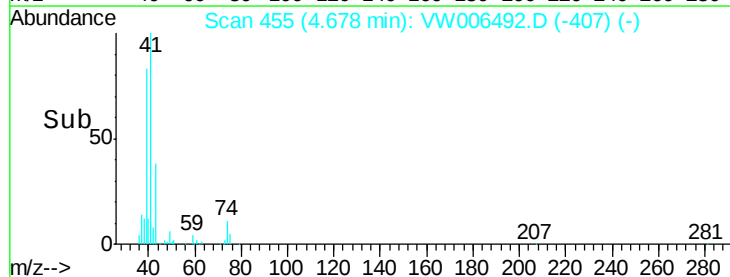
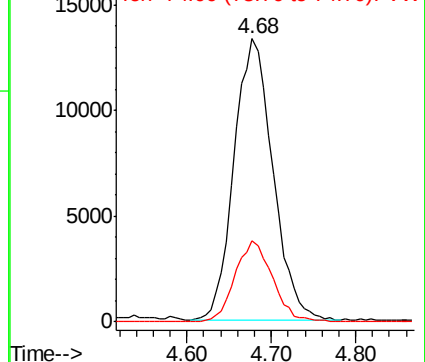
43 100

74 27.6 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

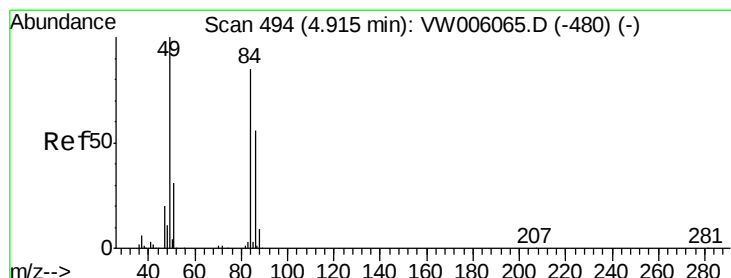
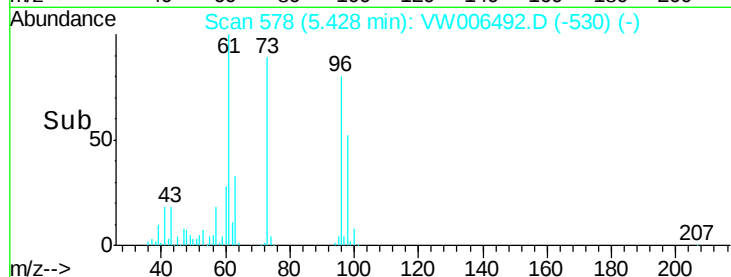
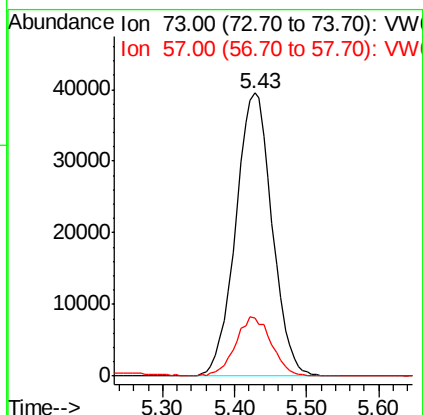
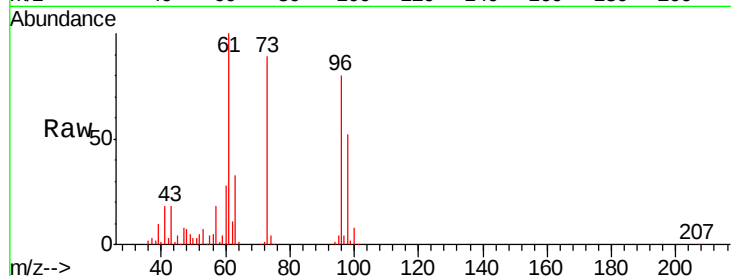




#19
Methyl tert-butyl Ether
Concen: 46.84 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

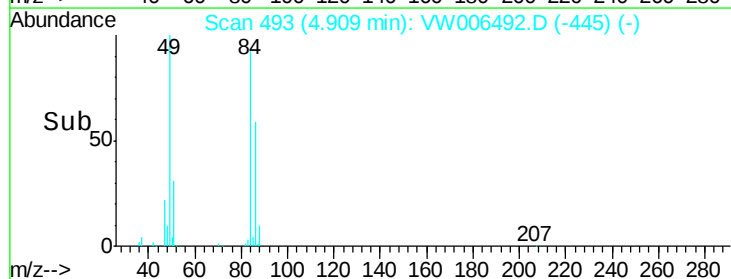
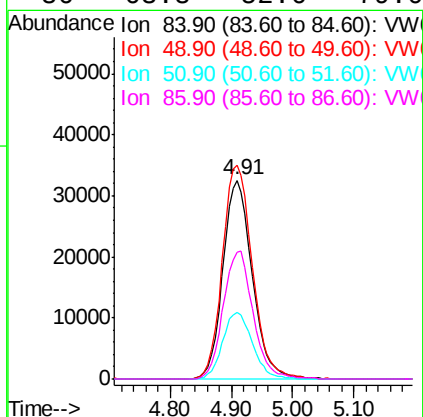
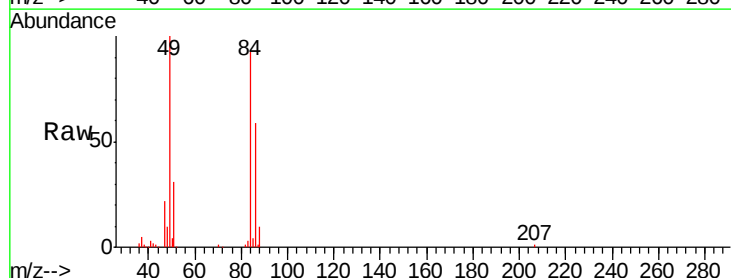
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

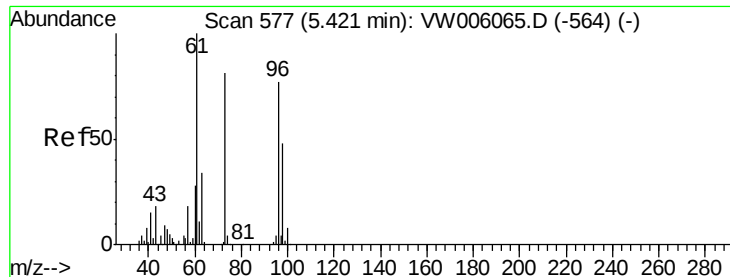
Tgt Ion: 73 Resp: 138367
Ion Ratio Lower Upper
73 100
57 20.7 17.4 26.2



#20
Methylene Chloride
Concen: 52.96 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

Tgt Ion: 84 Resp: 107648
Ion Ratio Lower Upper
84 100
49 107.5 93.6 140.4
51 33.6 29.0 43.4
86 63.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 55.60 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

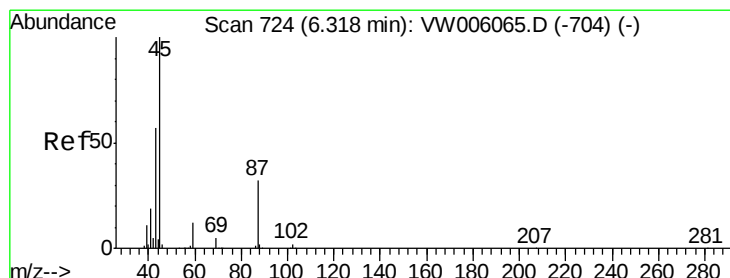
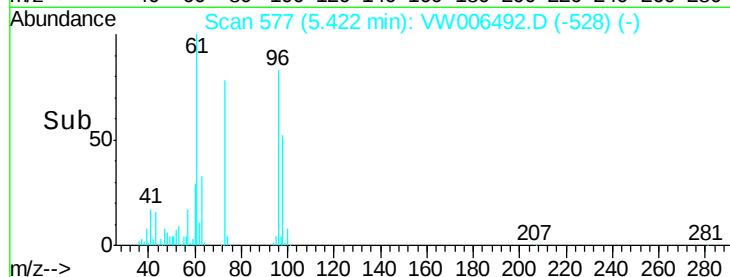
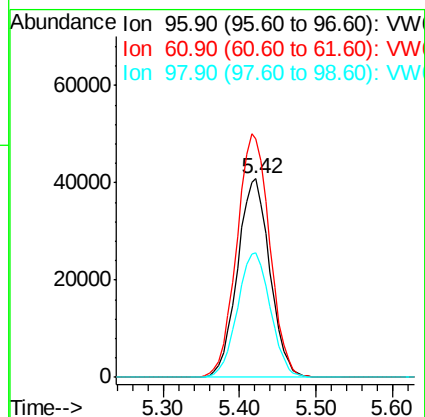
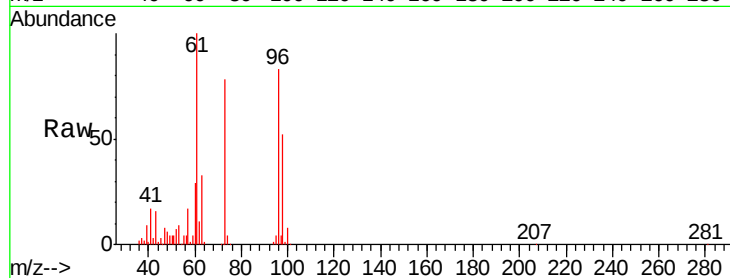
Tgt Ion: 96 Resp: 120368

Ion Ratio Lower Upper

96 100

61 120.2 104.5 156.7

98 62.4 50.6 75.8



#22

Diisopropyl ether

Concen: 49.87 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Tgt Ion: 45 Resp: 273291

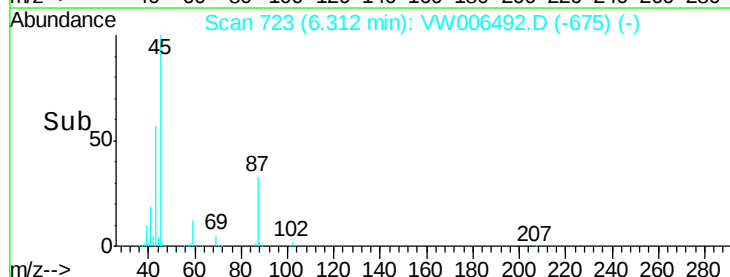
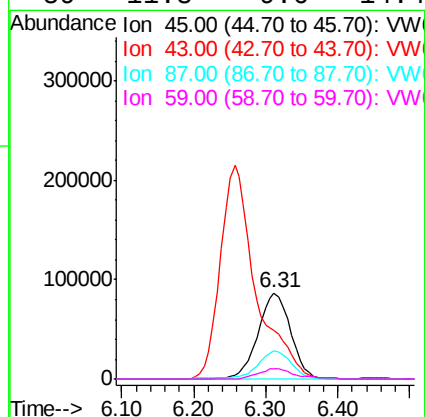
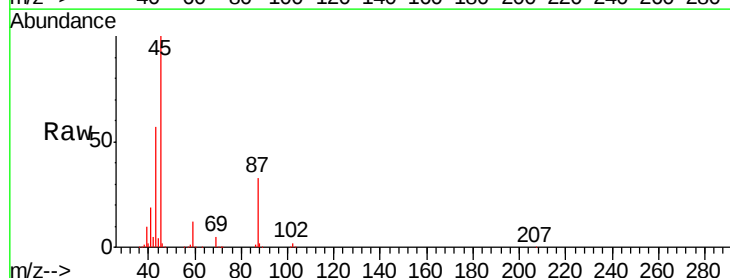
Ion Ratio Lower Upper

45 100

43 56.0 45.7 68.5

87 33.0 25.9 38.9

59 11.8 9.6 14.4





#23

Vinyl Acetate

Concen: 228.02 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

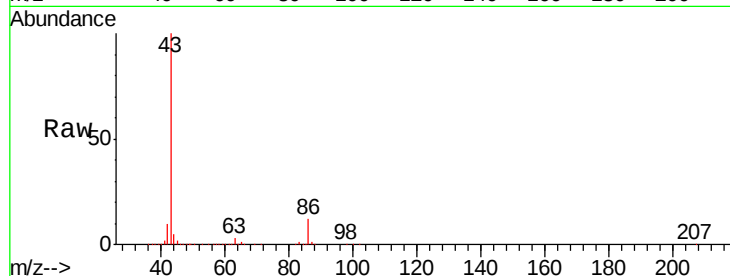
VSTDCCC050

Tgt Ion: 43 Resp: 737483

Ion Ratio Lower Upper

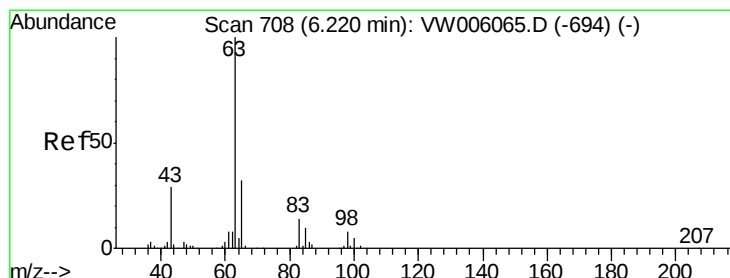
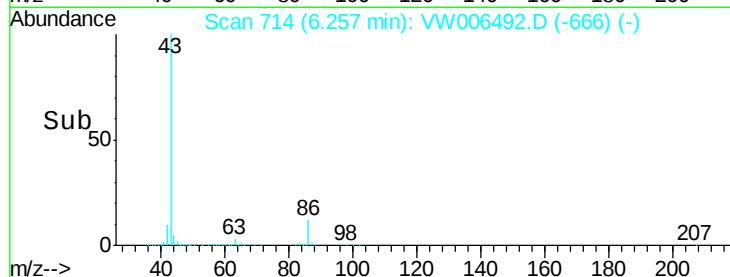
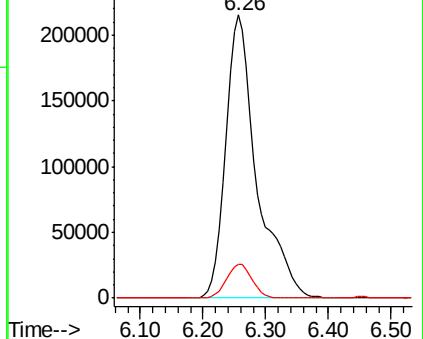
43 100

86 11.8 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 54.55 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

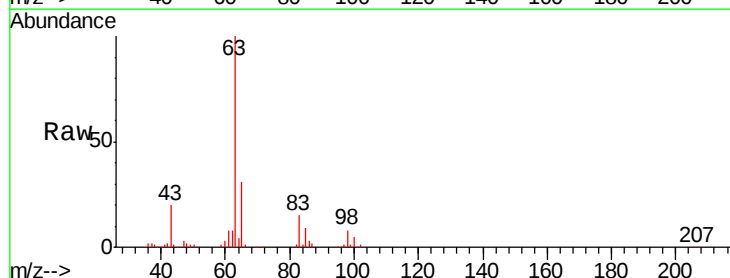
Tgt Ion: 63 Resp: 192903

Ion Ratio Lower Upper

63 100

98 7.8 3.8 11.2

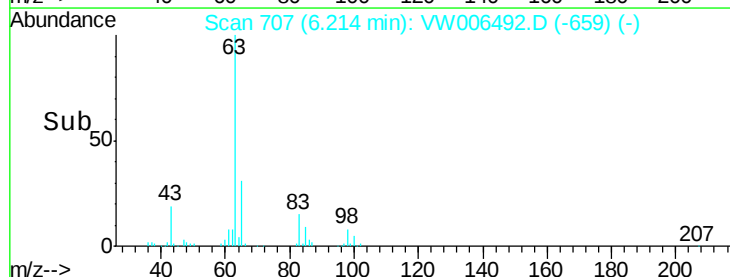
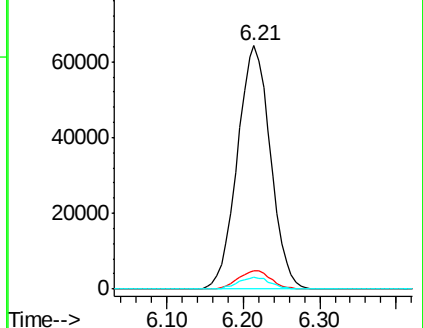
100 4.9 2.5 7.5



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





#25

2-Butanone

Concen: 240.46 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

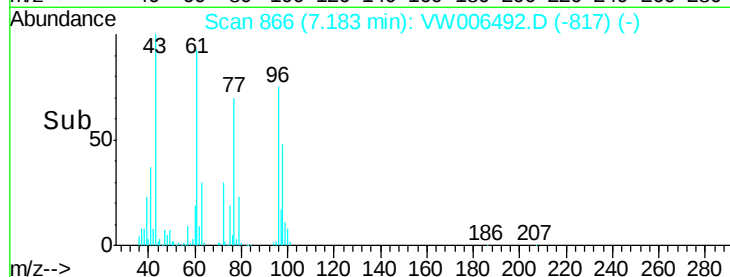
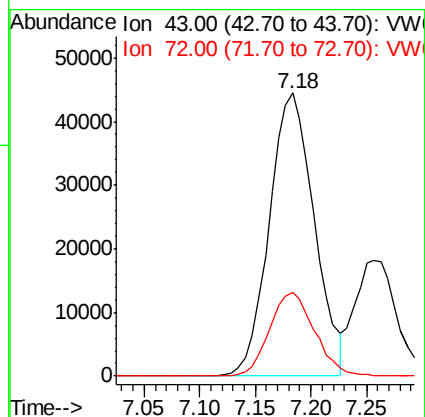
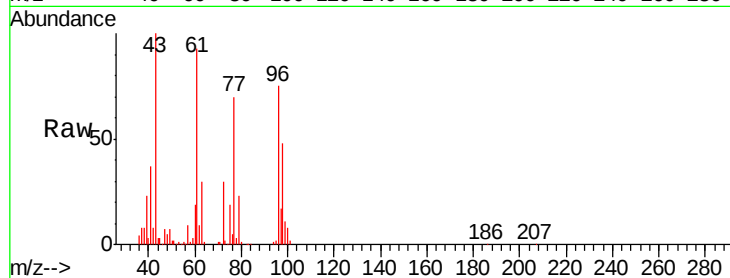
VSTDCCC050

Tgt Ion: 43 Resp: 125017

Ion Ratio Lower Upper

43 100

72 29.5 22.8 34.2



#26

2,2-Dichloropropane

Concen: 53.55 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006492.D

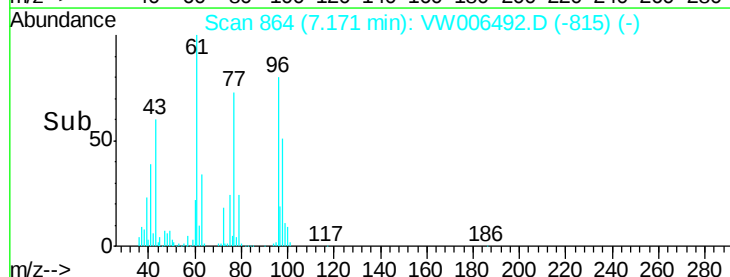
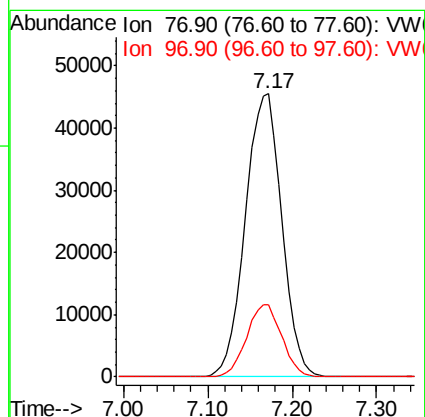
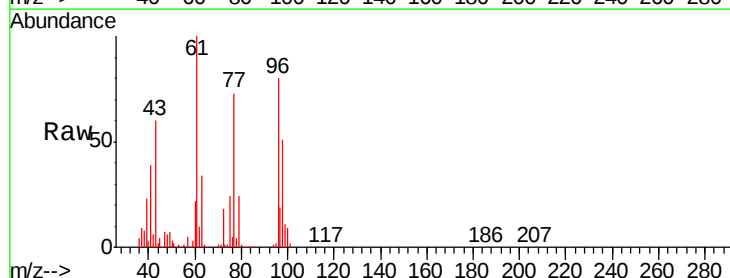
Acq: 30 Oct 2018 10:41

Tgt Ion: 77 Resp: 133572

Ion Ratio Lower Upper

77 100

97 24.6 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 54.96 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

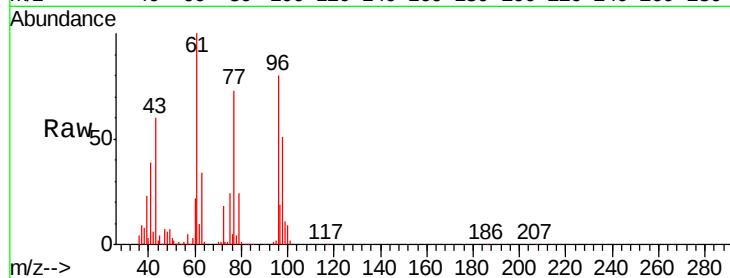
Tgt Ion: 96 Resp: 131300

Ion Ratio Lower Upper

96 100

61 130.1 0.0 267.2

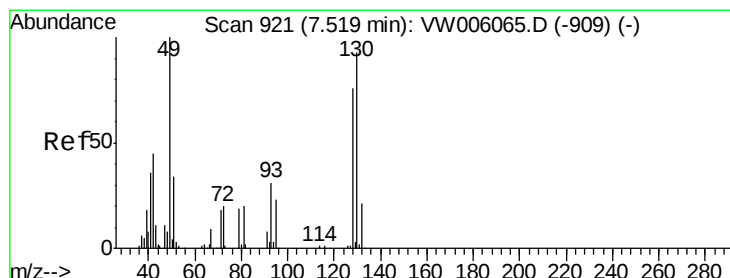
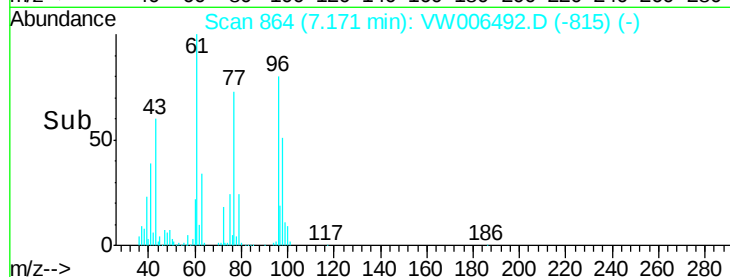
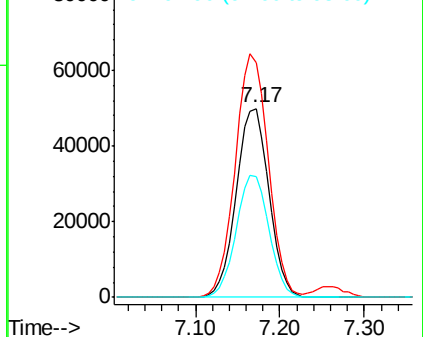
98 64.5 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 51.39 ug/l

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

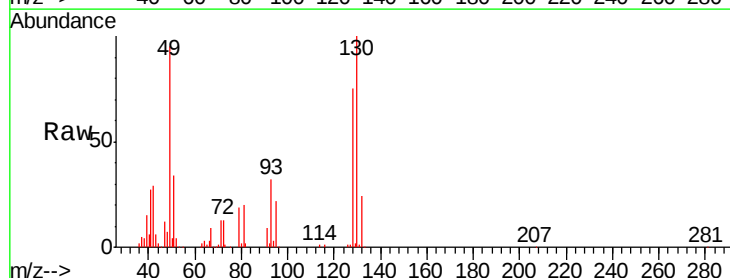
Tgt Ion: 49 Resp: 70157

Ion Ratio Lower Upper

49 100

129 2.6 0.0 5.0

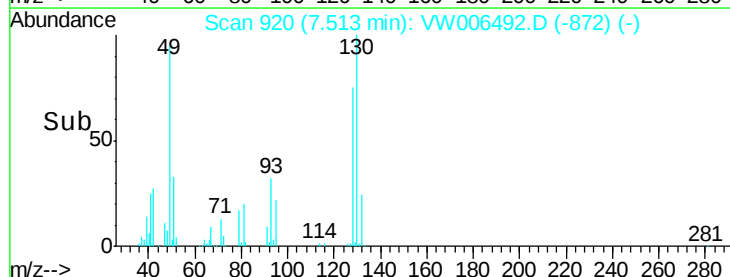
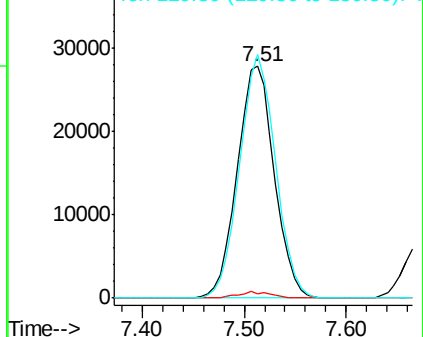
130 101.8 73.8 110.8

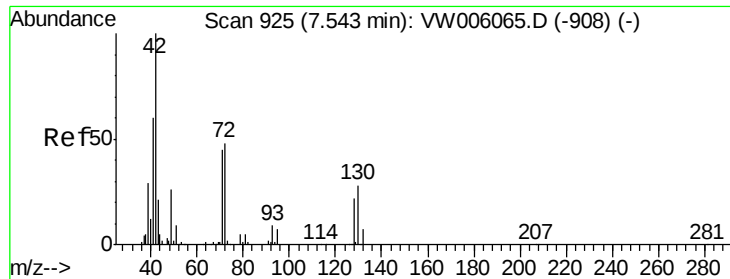


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 206.17 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

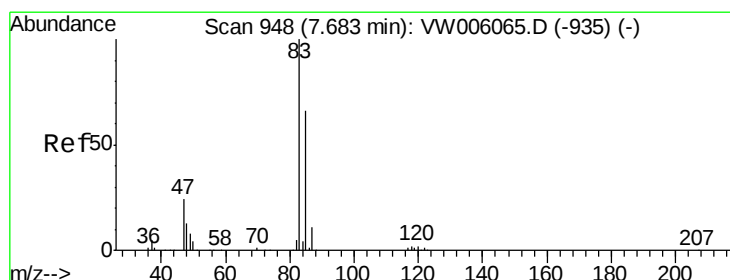
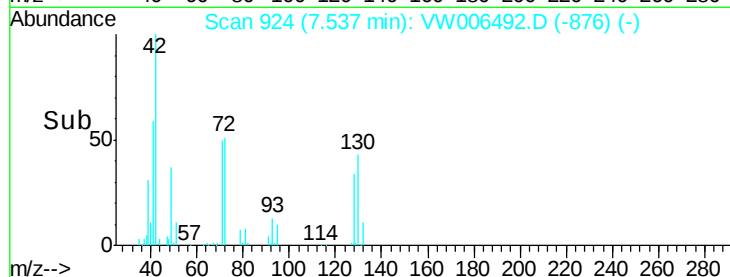
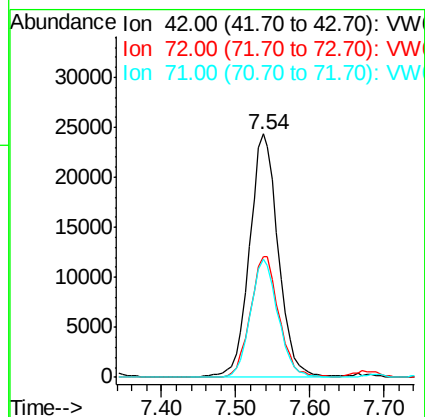
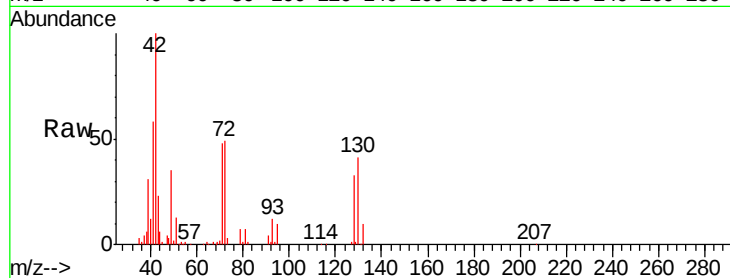
Tgt Ion: 42 Resp: 65888

Ion Ratio Lower Upper

42 100

72 49.2 38.0 57.0

71 46.5 35.3 52.9



#30

Chloroform

Concen: 54.91 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006492.D

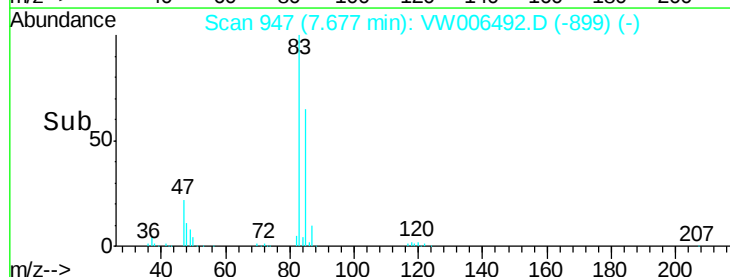
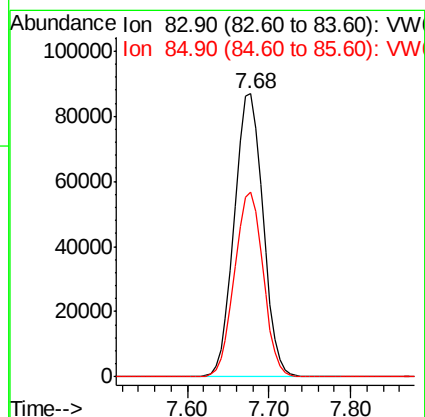
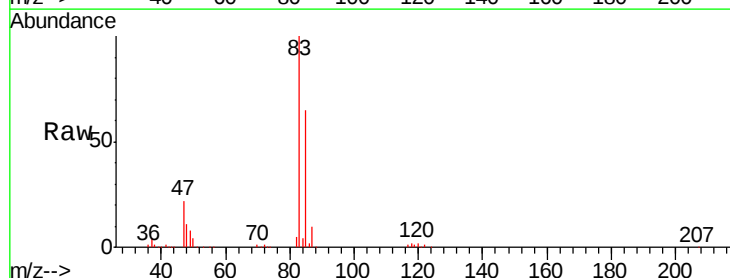
Acq: 30 Oct 2018 10:41

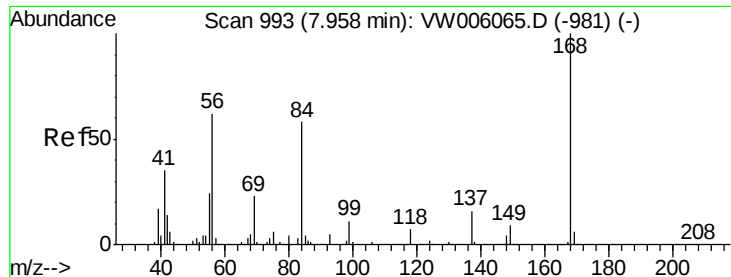
Tgt Ion: 83 Resp: 211573

Ion Ratio Lower Upper

83 100

85 65.3 52.6 79.0

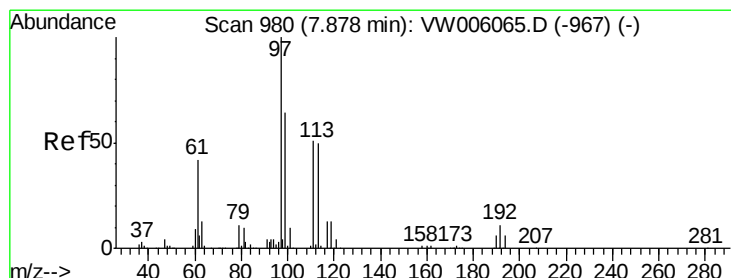
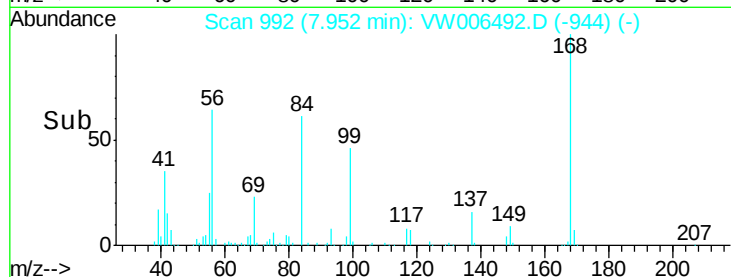
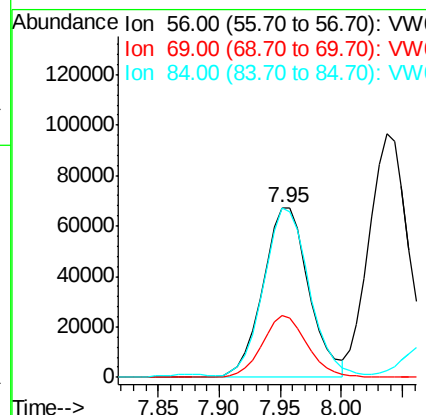
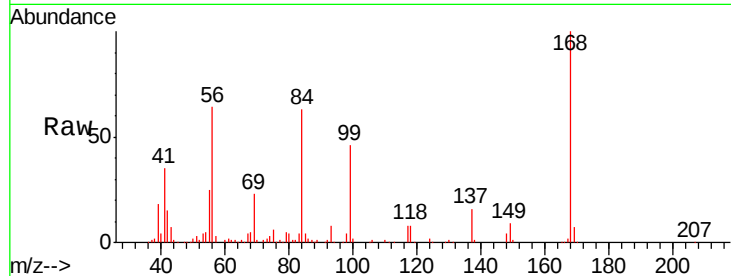




#31
Cyclohexane
Concen: 50.12 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

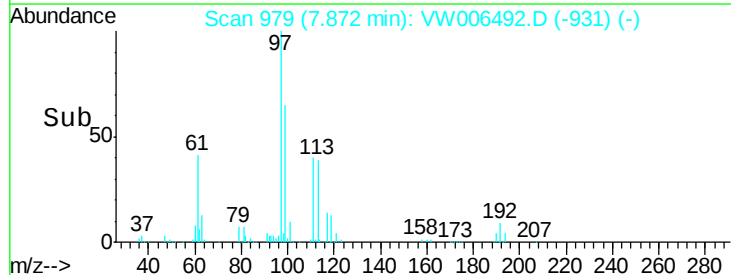
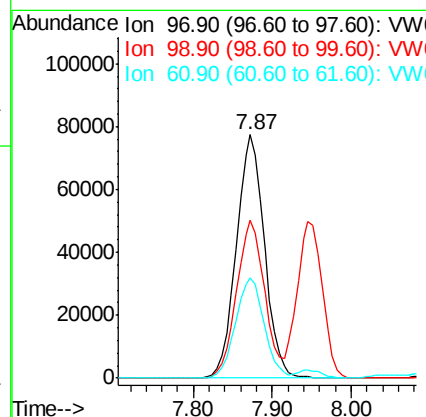
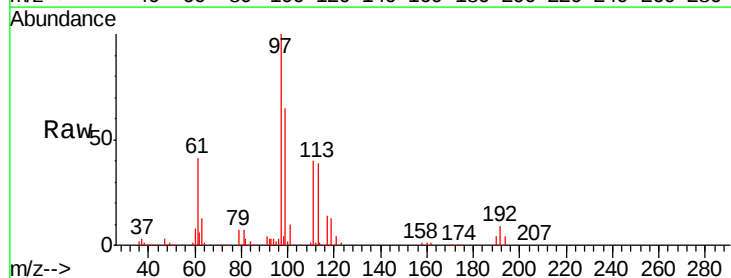
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

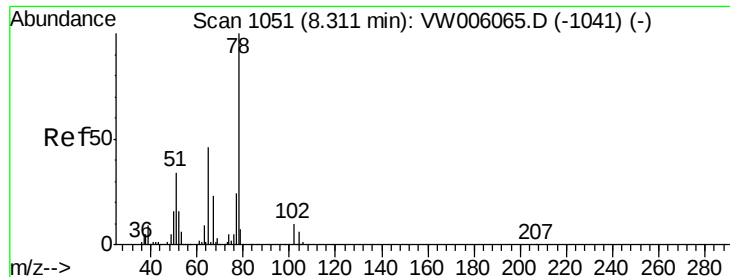
Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.4	29.4	44.0
84	98.0	74.0	111.0



#32
1,1,1-Trichloroethane
Concen: 55.08 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	50.9	76.3
61	41.8	33.7	50.5

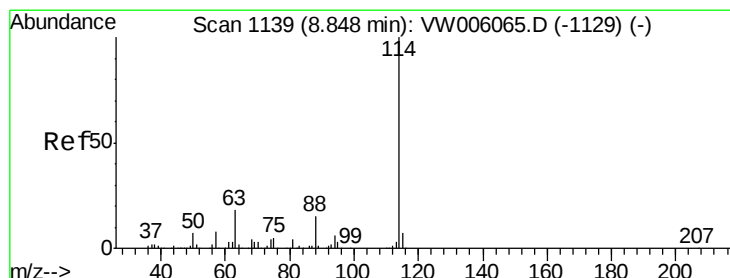
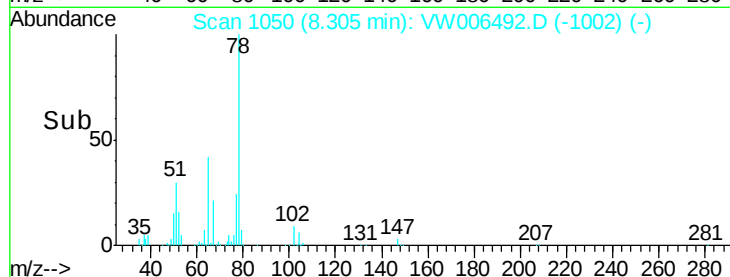
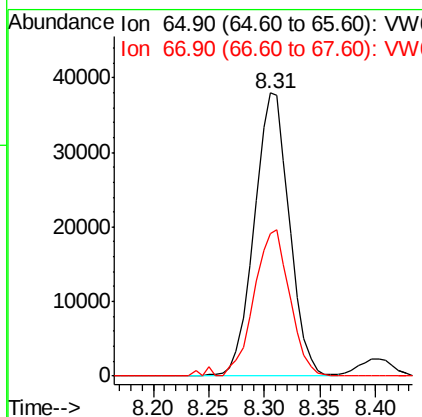
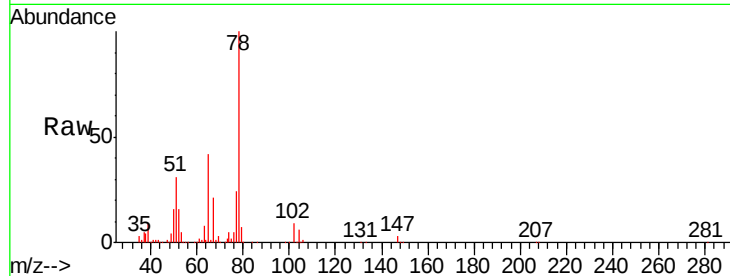




#33
 1,2-Dichloroethane-d4
 Concen: 43.35 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006492.D
 Acq: 30 Oct 2018 10:41

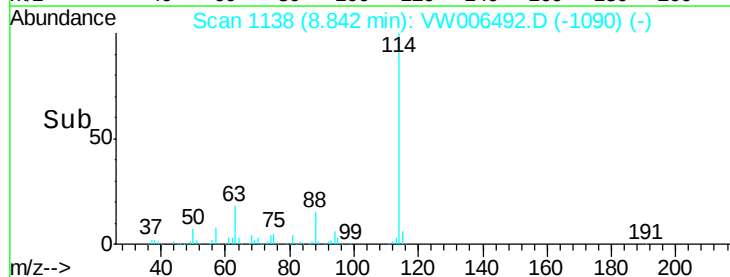
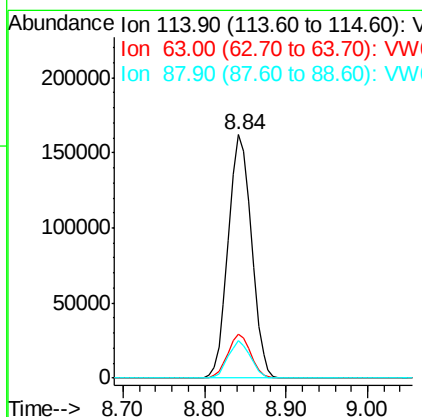
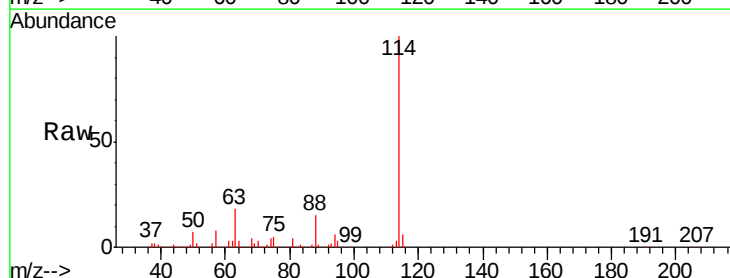
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 83432
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006492.D
 Acq: 30 Oct 2018 10:41

Tgt Ion: 114 Resp: 318077
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.8
 88 15.2 0.0 29.0





#35

Dibromofluoromethane

Concen: 50.22 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

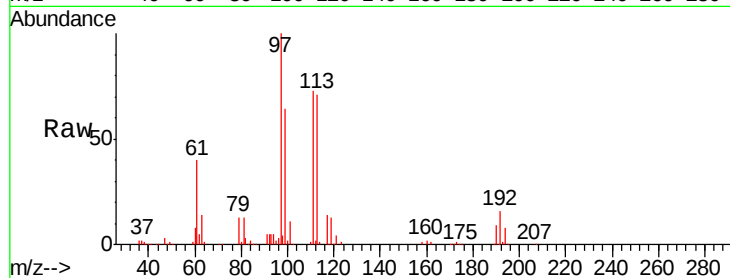
Tgt Ion:113 Resp: 94384

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

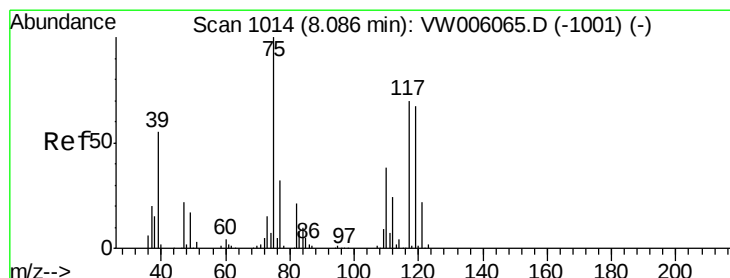
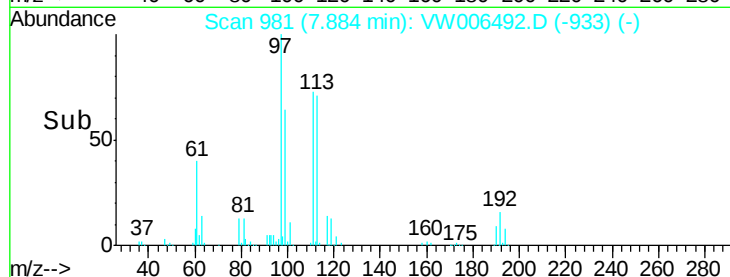
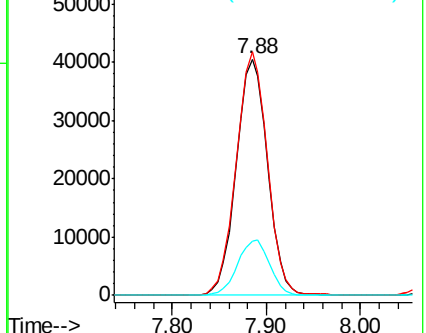
192 24.0 18.7 28.1



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: 57.60 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

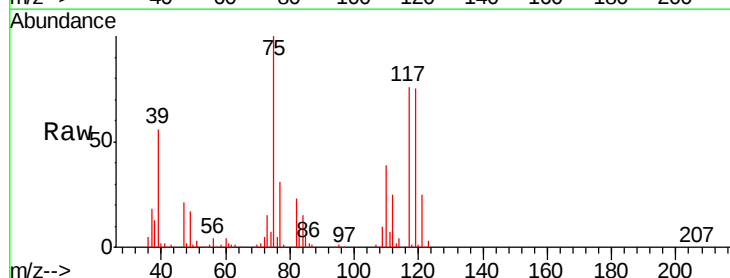
Tgt Ion: 75 Resp: 168877

Ion Ratio Lower Upper

75 100

110 39.2 19.1 57.1

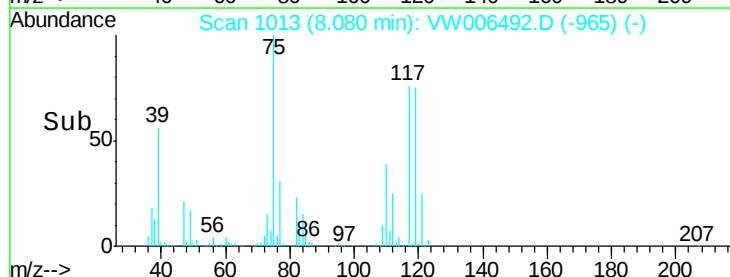
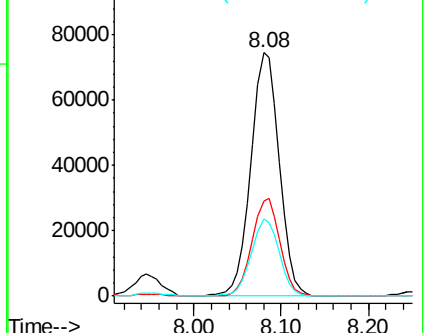
77 31.3 25.0 37.4

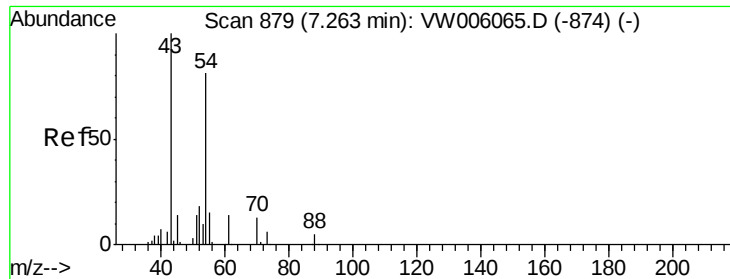


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

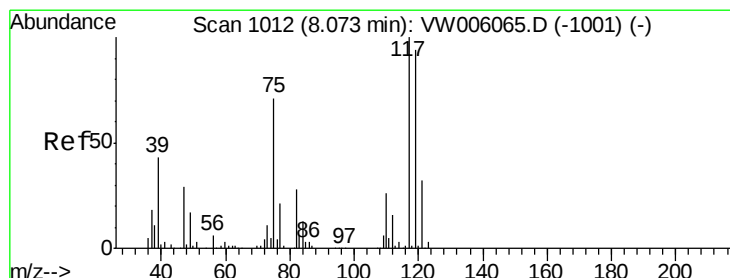
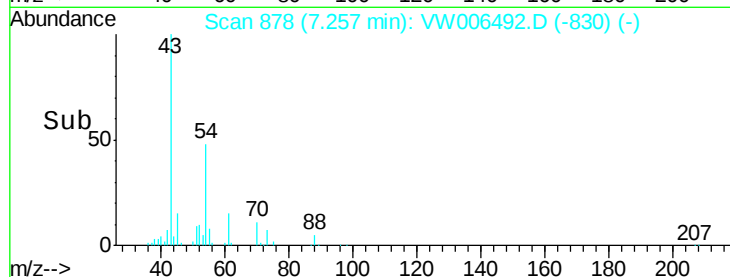
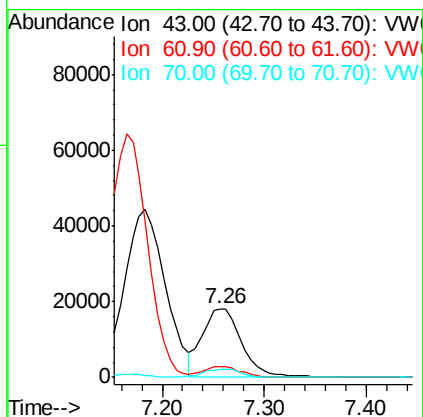
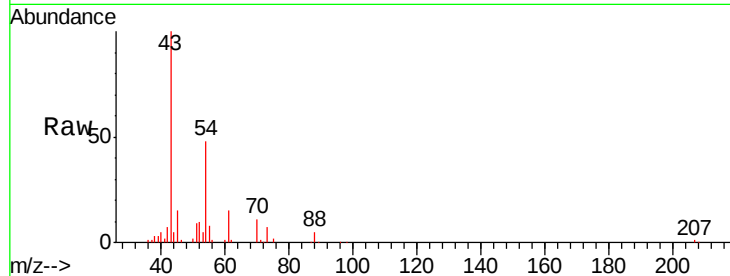




#37
Ethyl Acetate
Concen: 44.40 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

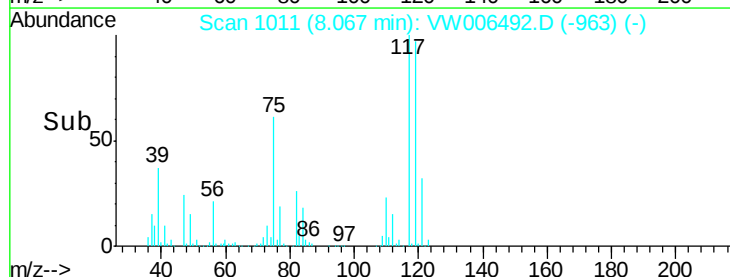
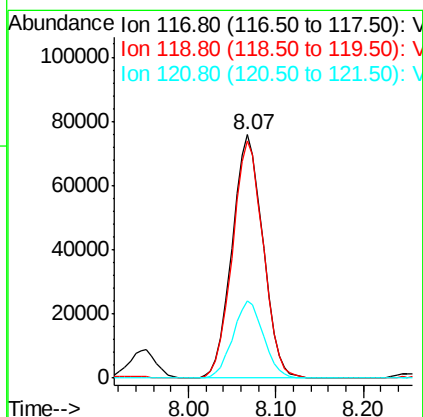
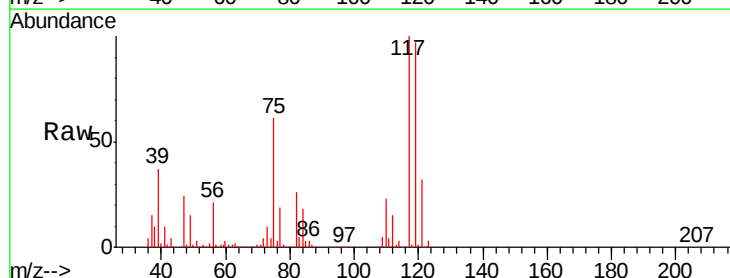
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

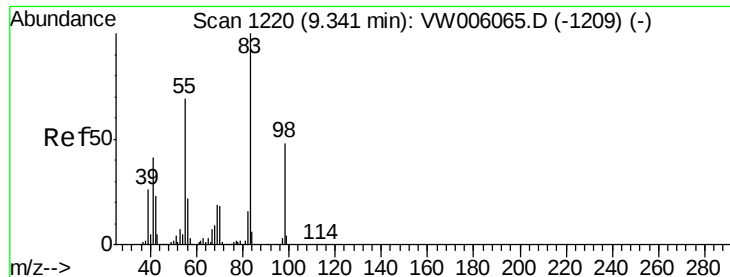
Tgt Ion: 43 Resp: 48365
Ion Ratio Lower Upper
43 100
61 15.0 11.5 17.3
70 11.7 9.2 13.8



#38
Carbon Tetrachloride
Concen: 57.89 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

Tgt Ion: 117 Resp: 186048
Ion Ratio Lower Upper
117 100
119 97.4 75.2 112.8
121 31.5 25.3 37.9

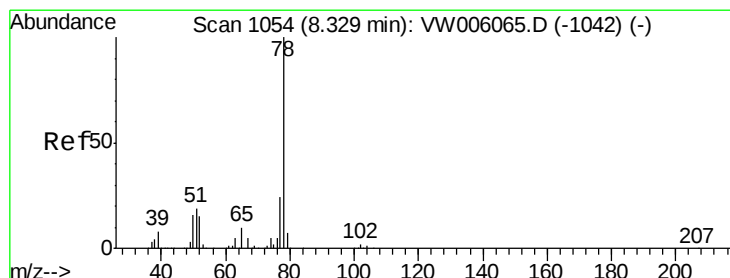
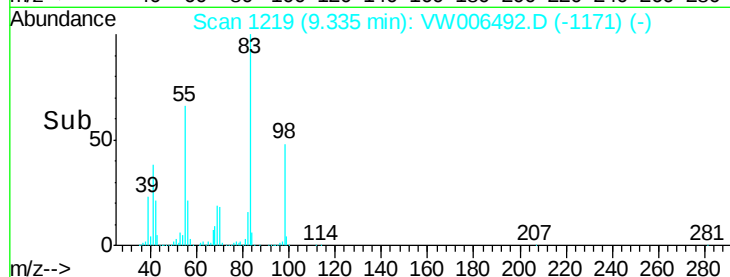
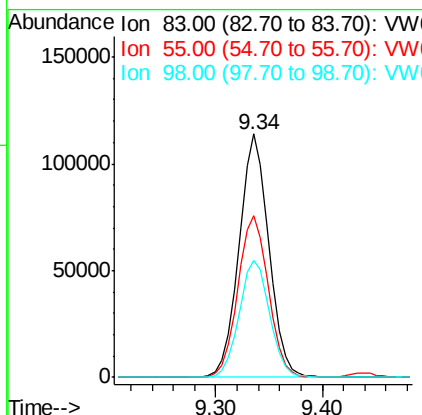
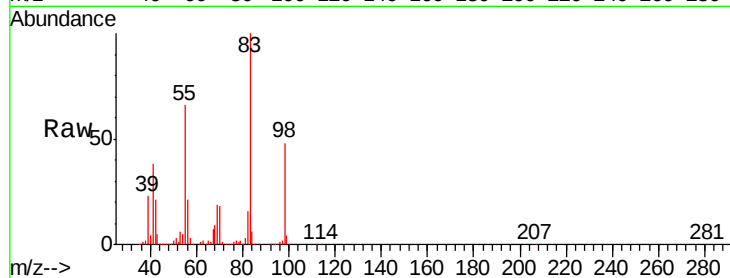




#39
Methylcyclohexane
Concen: 57.39 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

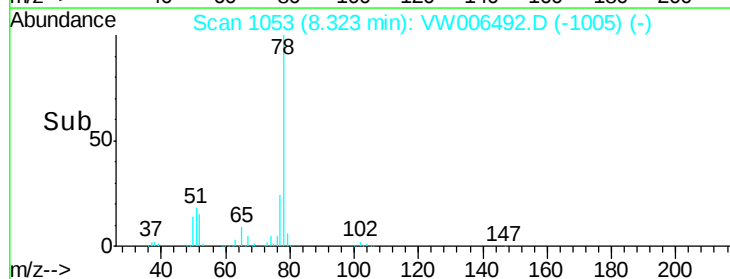
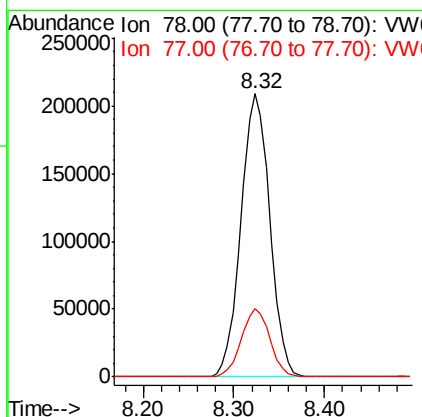
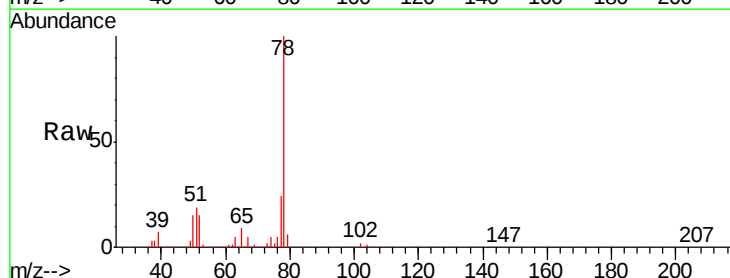
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

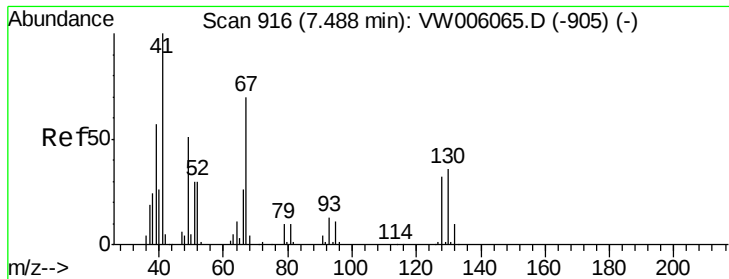
Tgt Ion: 83 Resp: 223639
Ion Ratio Lower Upper
83 100
55 66.3 55.0 82.6
98 48.2 38.6 57.8



#40
Benzene
Concen: 57.19 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

Tgt Ion: 78 Resp: 459921
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0

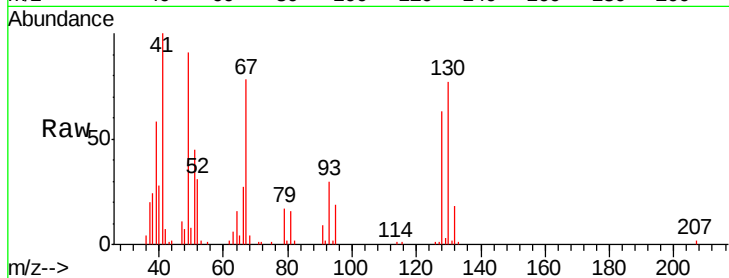




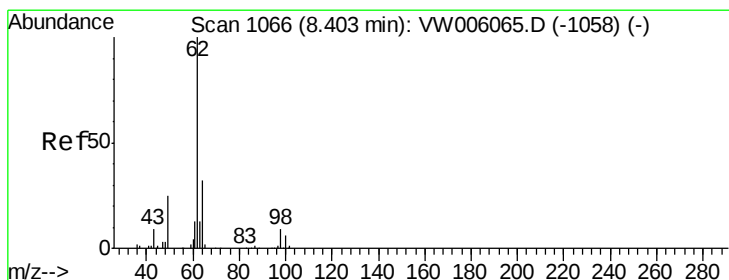
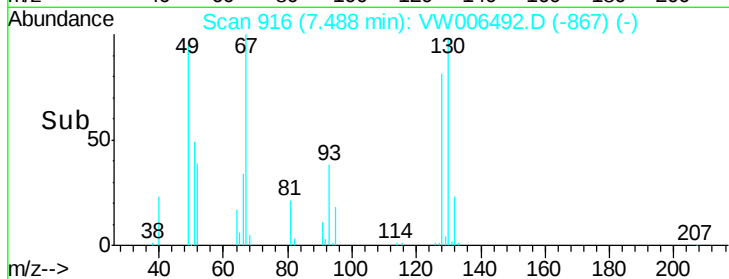
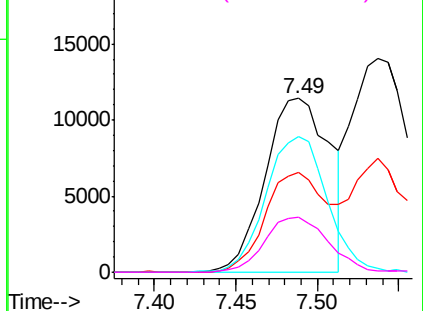
#41
Methacrylonitrile
Concen: 47.75 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	31356
Ion	Ratio	Lower	Upper
41	100		
39	56.2	46.2	69.4
67	74.2	57.7	86.5
52	31.1	24.7	37.1

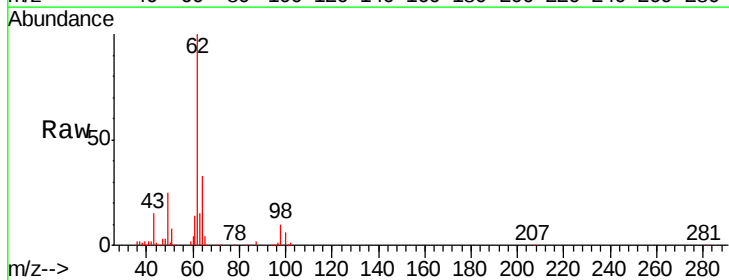


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

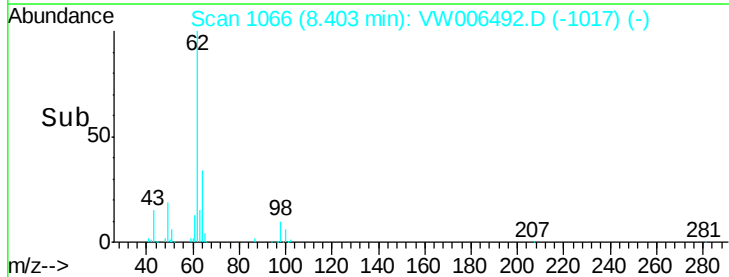
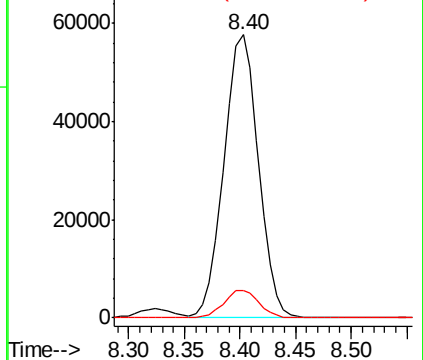


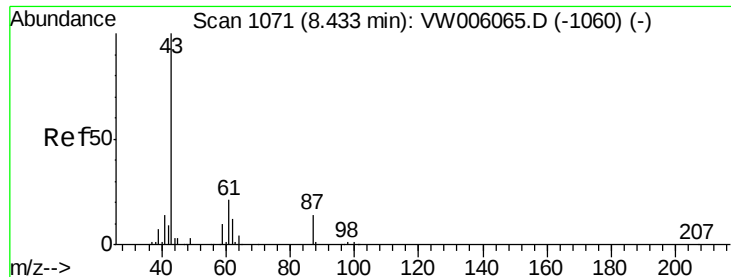
#42
1,2-Dichloroethane
Concen: 52.53 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

Tgt Ion:	62	Resp:	124116
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 43.51 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

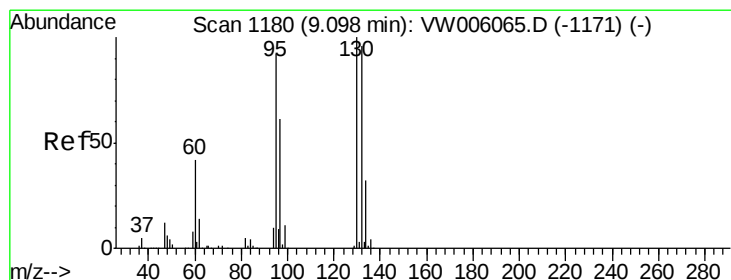
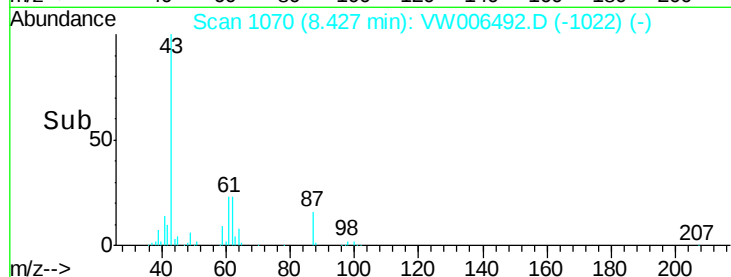
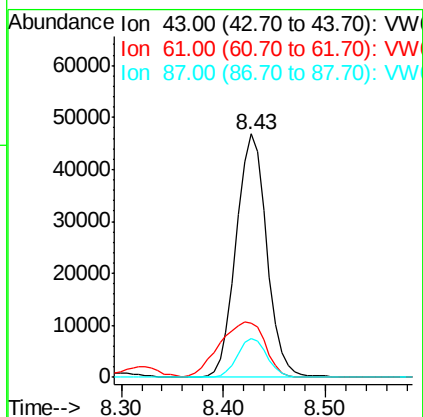
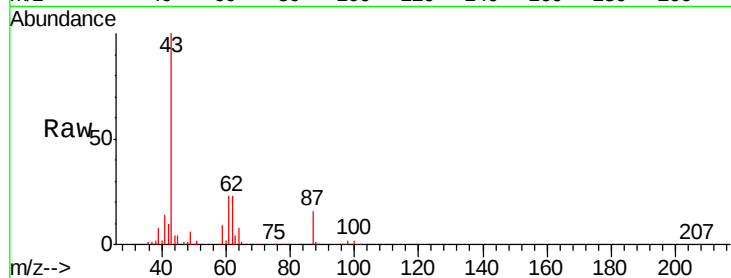
Tgt Ion: 43 Resp: 96893

Ion Ratio Lower Upper

43 100

61 34.5 25.5 38.3

87 15.8 11.7 17.5



#44

Trichloroethene

Concen: 58.27 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006492.D

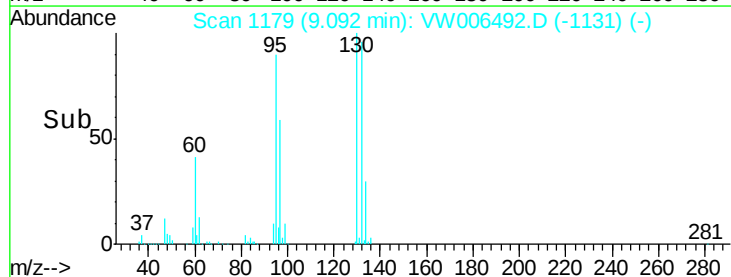
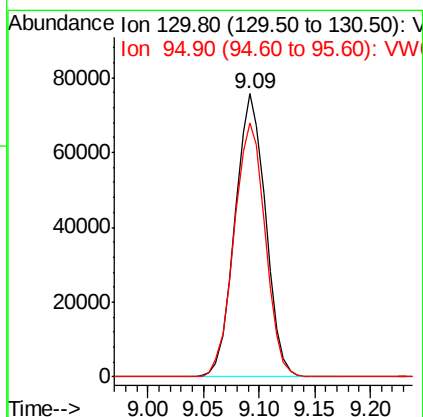
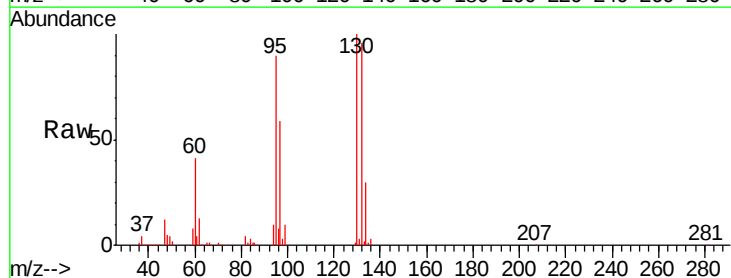
Acq: 30 Oct 2018 10:41

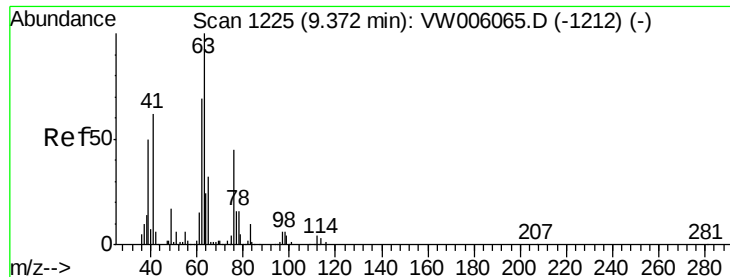
Tgt Ion: 130 Resp: 143779

Ion Ratio Lower Upper

130 100

95 89.9 0.0 183.2





#45

1,2-Dichloropropane

Concen: 55.68 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

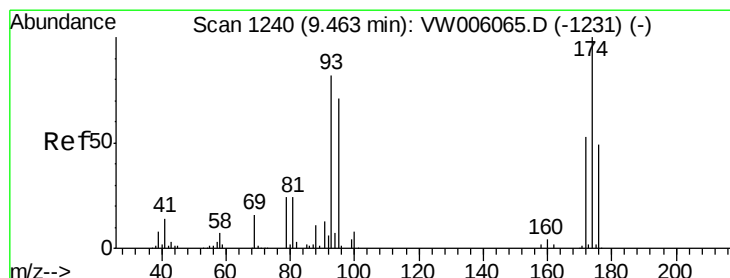
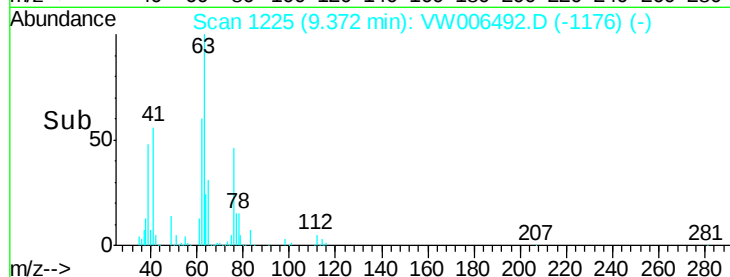
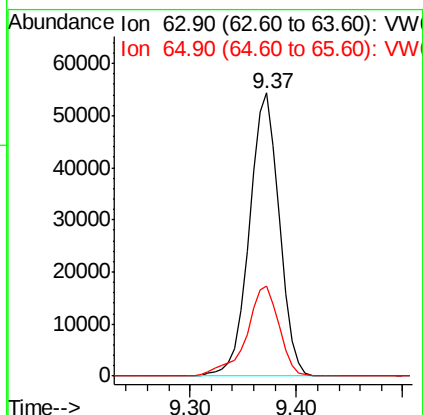
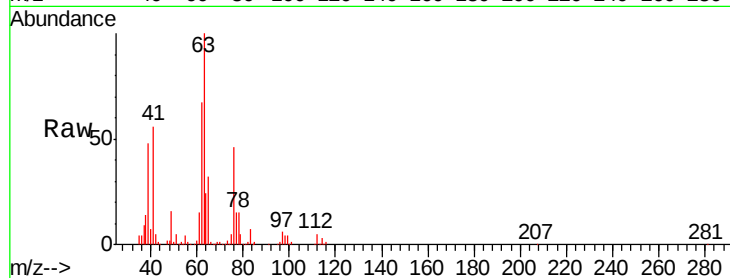
VSTDCCC050

Tgt Ion: 63 Resp: 107150

Ion Ratio Lower Upper

63 100

65 31.9 25.4 38.0



#46

Dibromomethane

Concen: 52.64 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

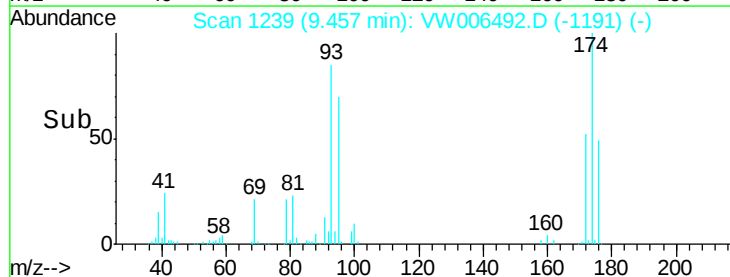
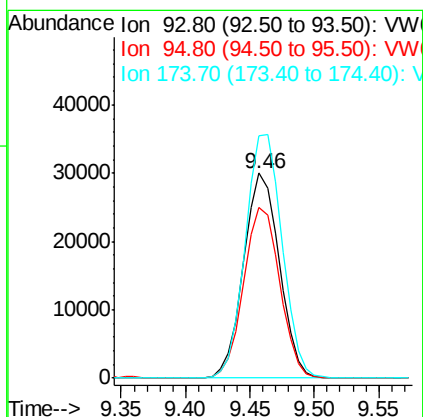
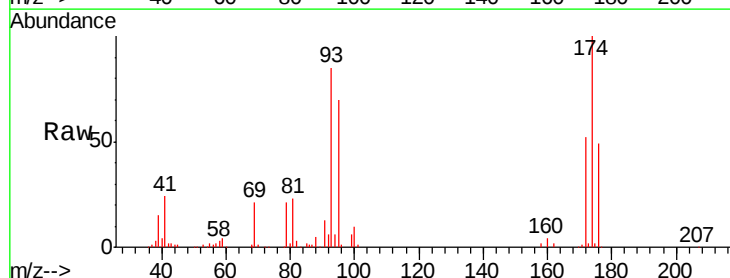
Tgt Ion: 93 Resp: 57741

Ion Ratio Lower Upper

93 100

95 84.0 67.7 101.5

174 122.1 93.7 140.5





#47

Bromodichloromethane

Concen: 54.68 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

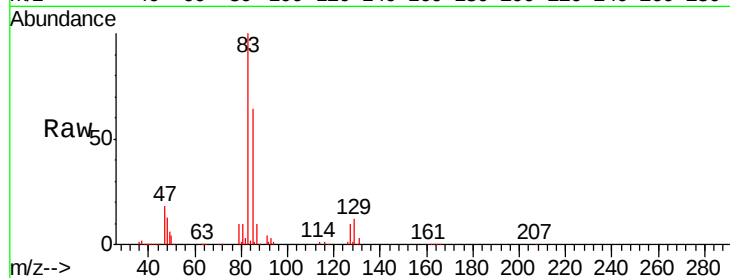
Tgt Ion: 83 Resp: 145398

Ion Ratio Lower Upper

83 100

85 64.0 51.8 77.8

127 10.0 6.9 10.3



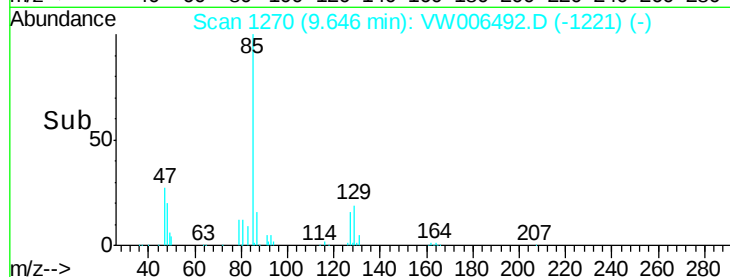
Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

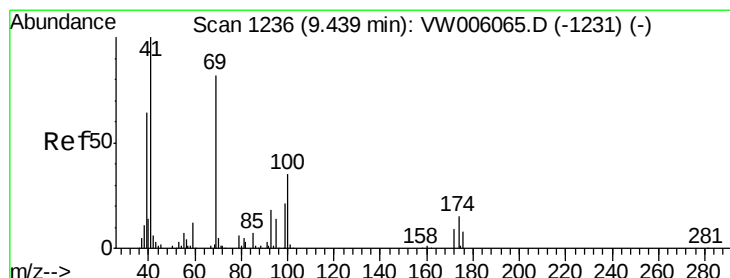
Ion 126.80 (126.50 to 127.50): VW

9.65

Time-->



Time-->



#48

Methyl methacrylate

Concen: 44.56 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

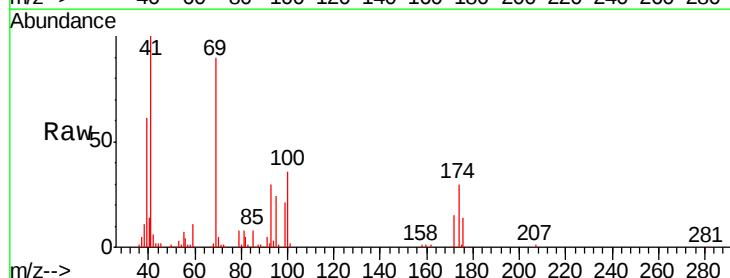
Tgt Ion: 41 Resp: 47042

Ion Ratio Lower Upper

41 100

69 98.2 71.8 107.8

39 67.8 52.5 78.7



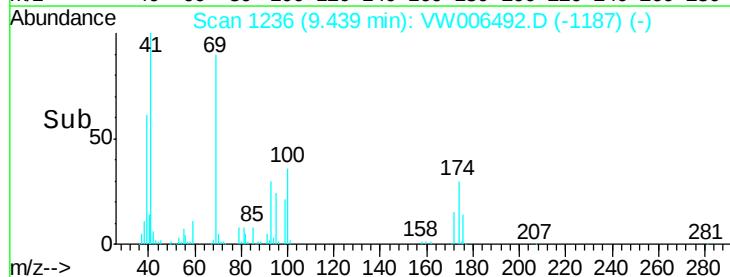
Abundance Ion 41.00 (40.70 to 41.70): VW

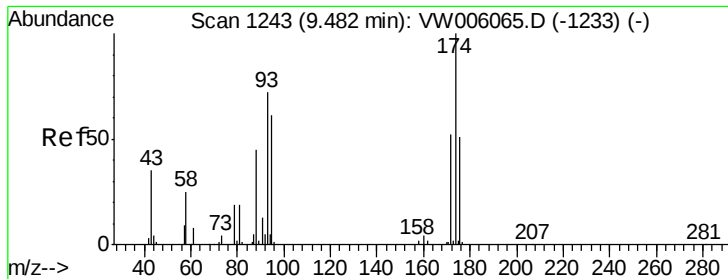
Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

9.44

Time-->





#49

1,4-Dioxane

Concen: 1033.21 ug/l

RT: 9.49 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

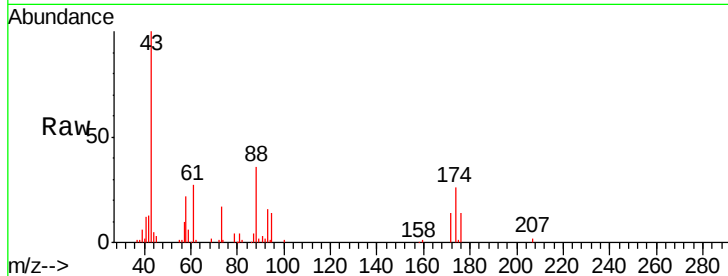
Tgt Ion: 88 Resp: 17446

Ion Ratio Lower Upper

88 100

43 426.7 0.0 0.0#

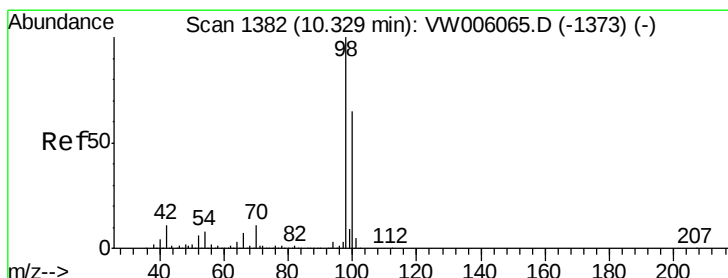
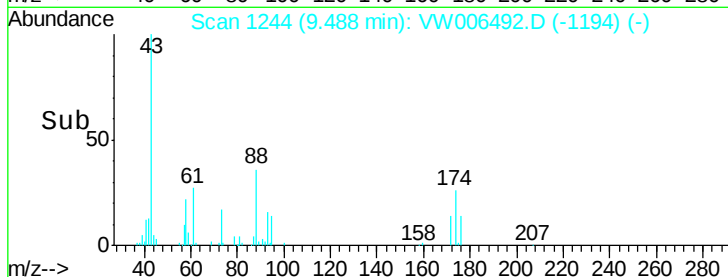
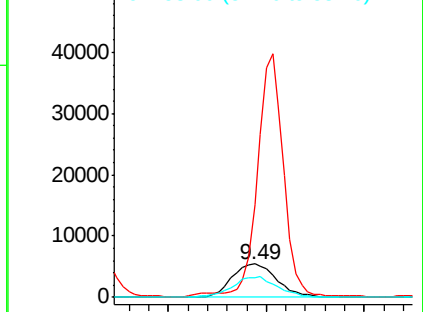
58 62.2 51.2 76.8



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 49.61 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW006492.D

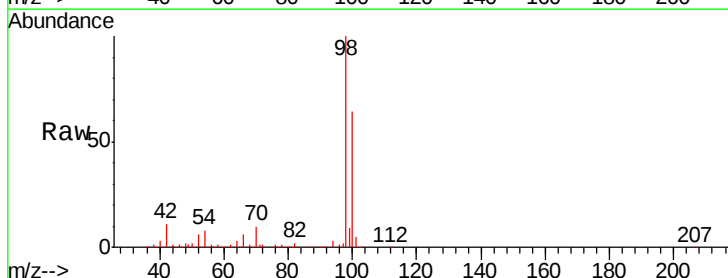
Acq: 30 Oct 2018 10:41

Tgt Ion: 98 Resp: 354740

Ion Ratio Lower Upper

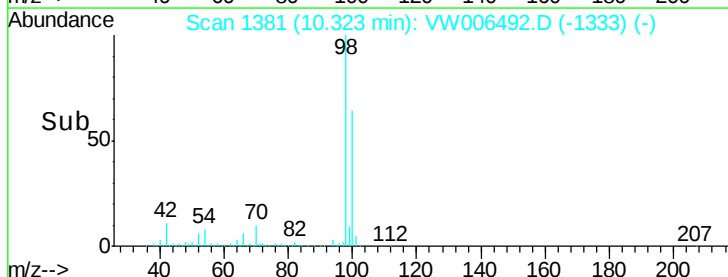
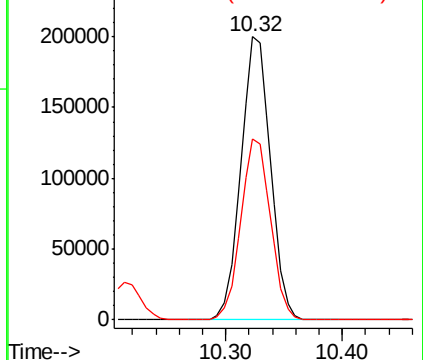
98 100

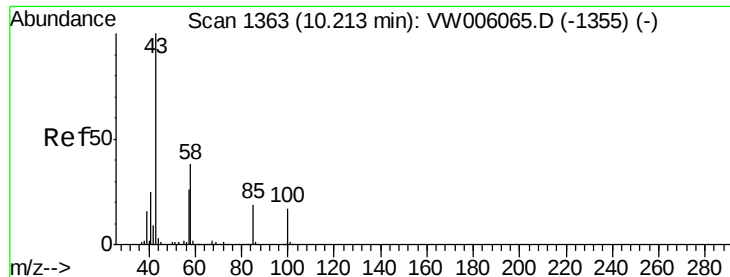
100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

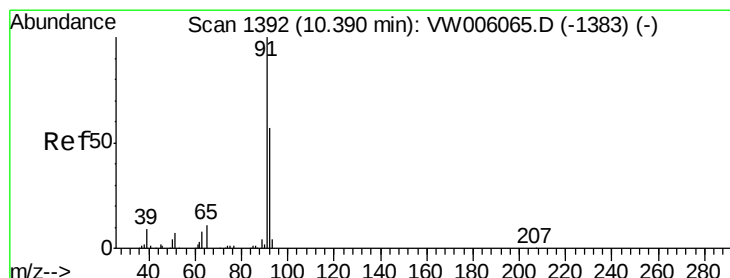
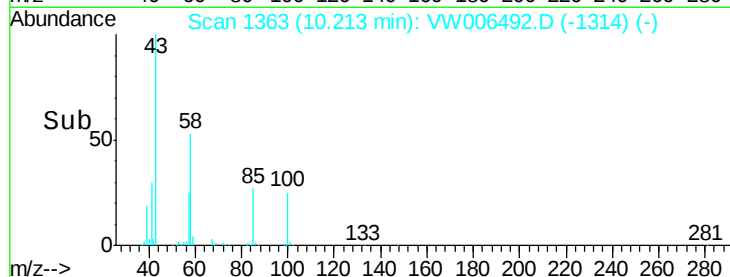
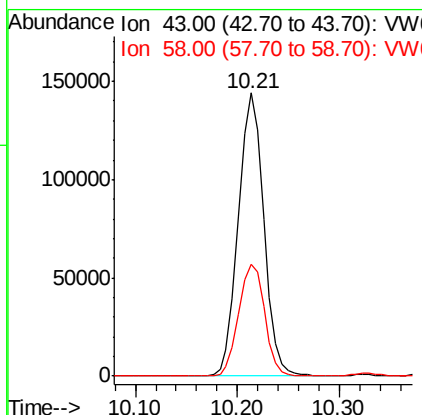
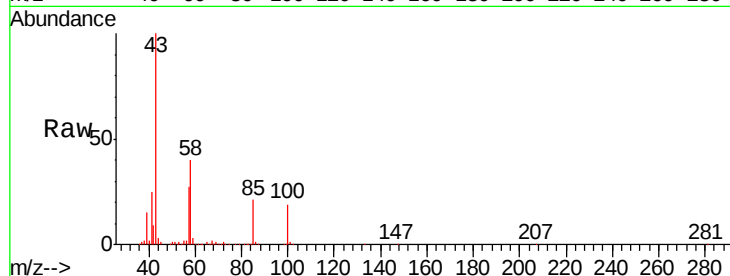




#51
 4-Methyl-2-Pentanone
 Concen: 222.67 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW006492.D
 Acq: 30 Oct 2018 10:41

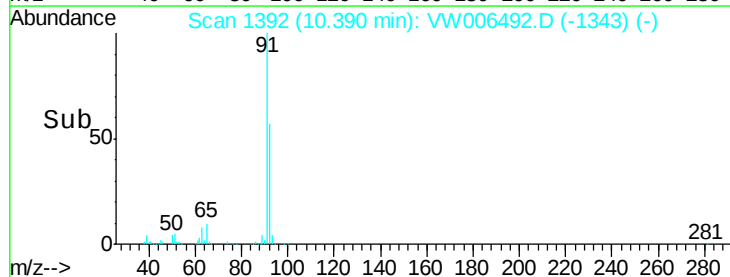
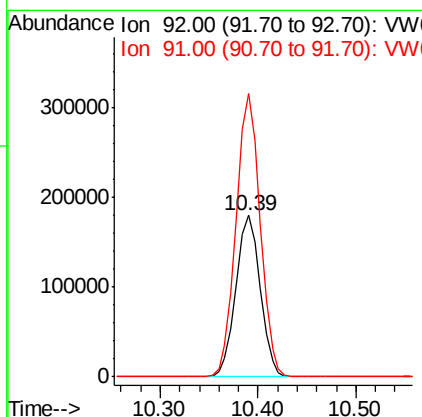
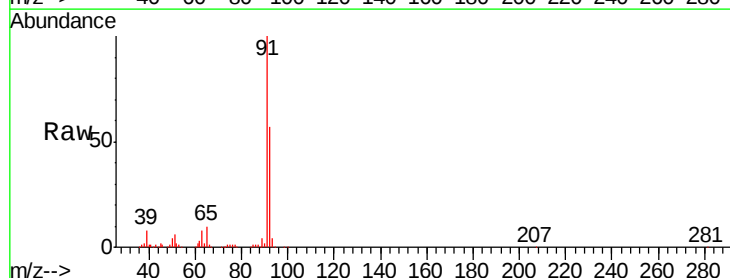
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

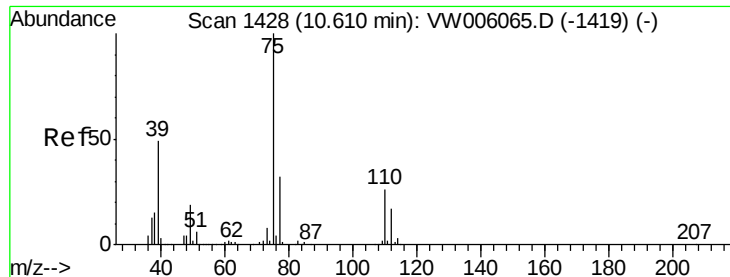
Tgt Ion: 43 Resp: 248472
 Ion Ratio Lower Upper
 43 100
 58 40.6 31.5 47.3



#52
 Toluene
 Concen: 57.75 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006492.D
 Acq: 30 Oct 2018 10:41

Tgt Ion: 92 Resp: 311383
 Ion Ratio Lower Upper
 92 100
 91 174.1 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 52.62 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

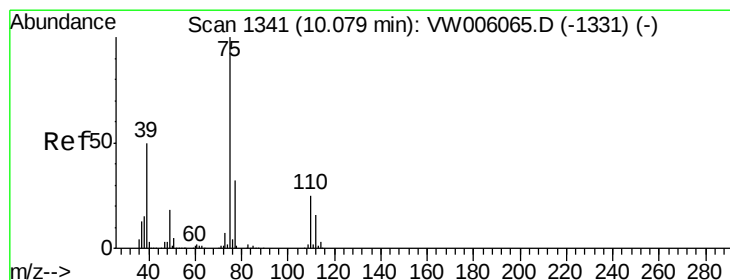
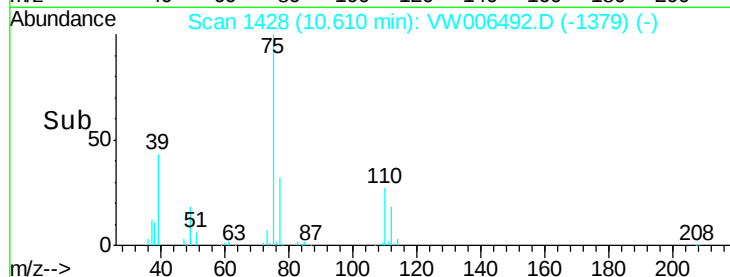
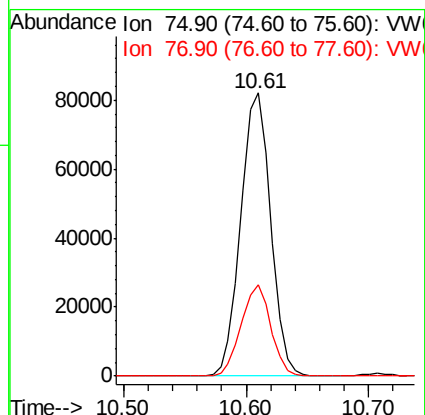
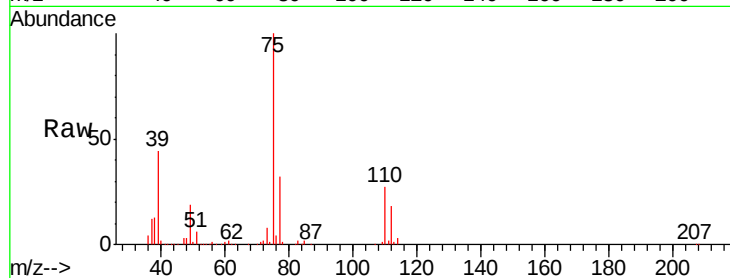
VSTDCCC050

Tgt Ion: 75 Resp: 139409

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 55.14 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

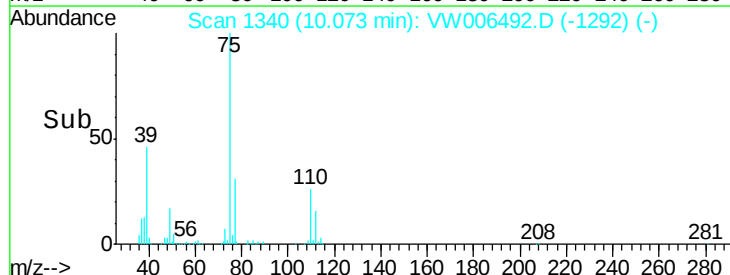
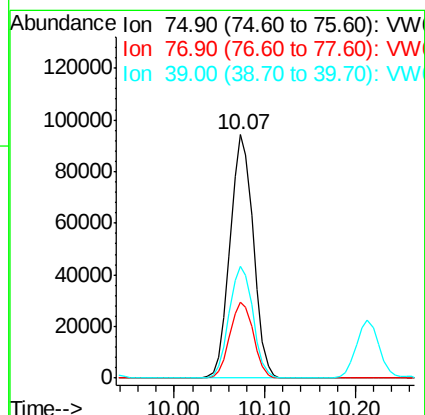
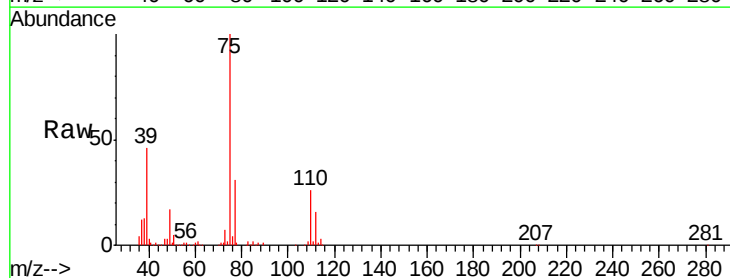
Tgt Ion: 75 Resp: 167678

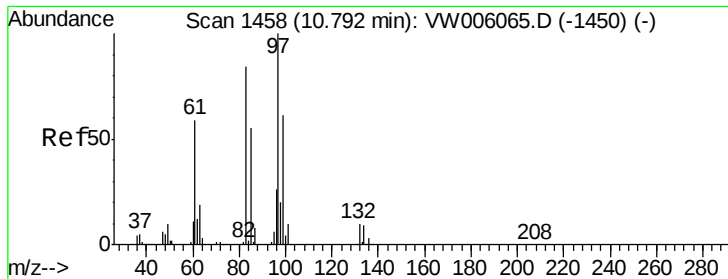
Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8

39 45.9 39.9 59.9





#55

1,1,2-Trichloroethane

Concen: 52.98 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 81311

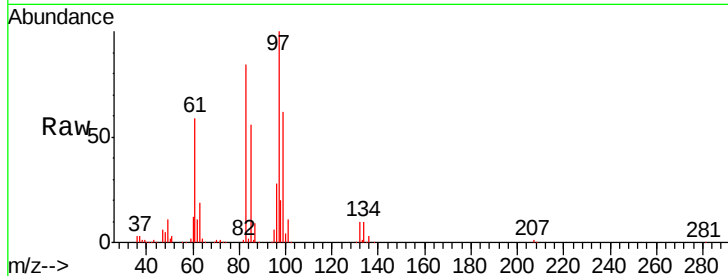
Ion Ratio Lower Upper

97 100

83 84.1 67.2 100.8

85 55.6 43.7 65.5

99 62.3 48.5 72.7

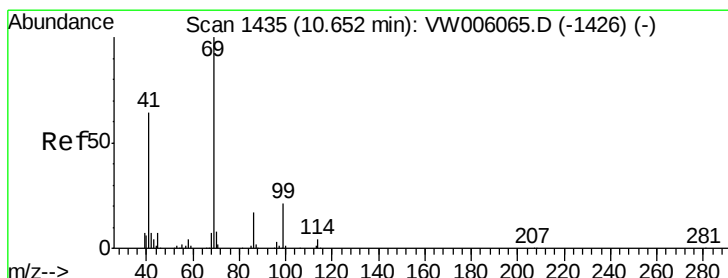
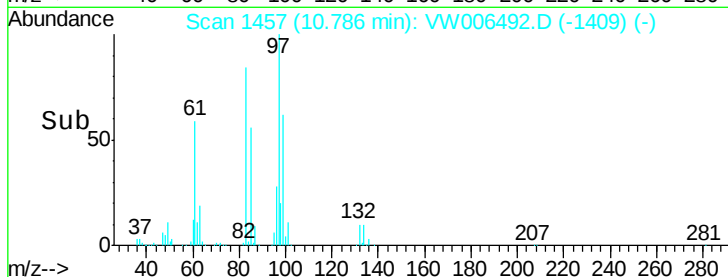
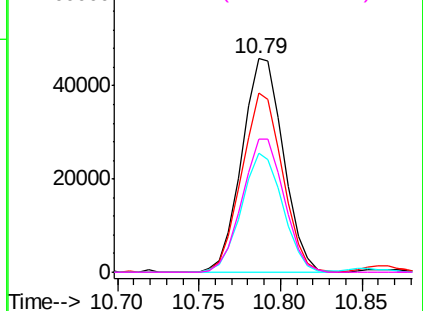


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 48.79 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.01 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

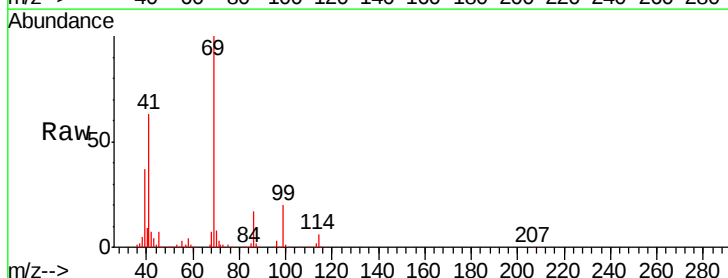
Tgt Ion: 69 Resp: 91799

Ion Ratio Lower Upper

69 100

41 61.1 52.8 79.2

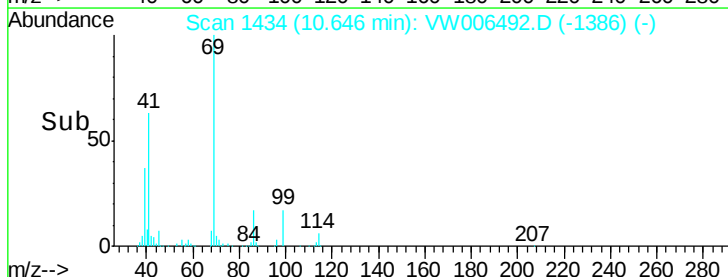
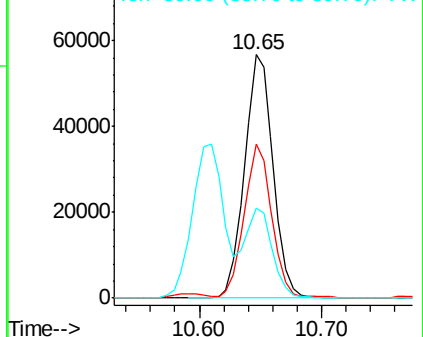
39 36.3 30.6 45.8

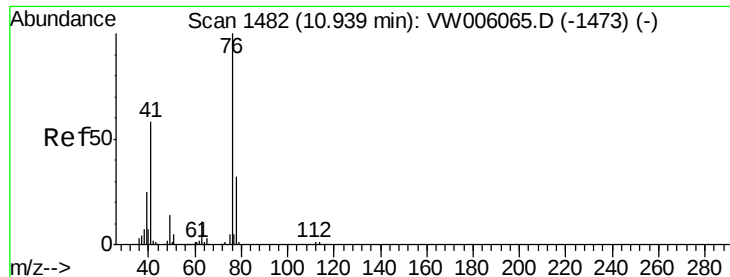


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

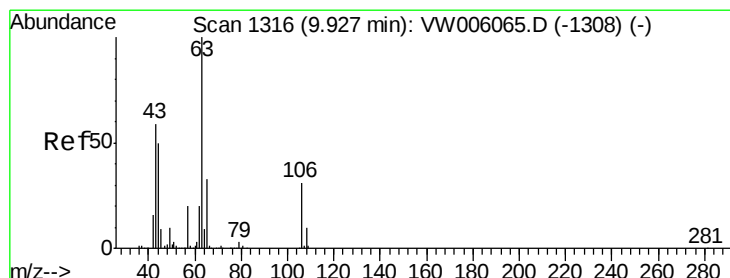
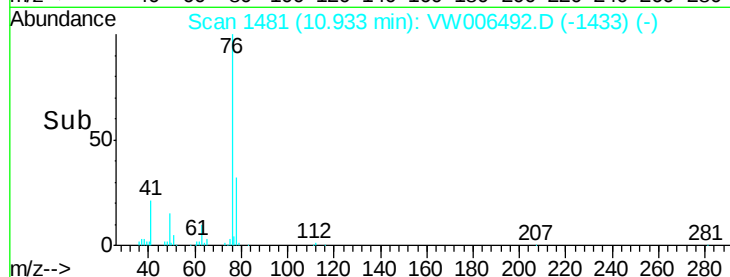
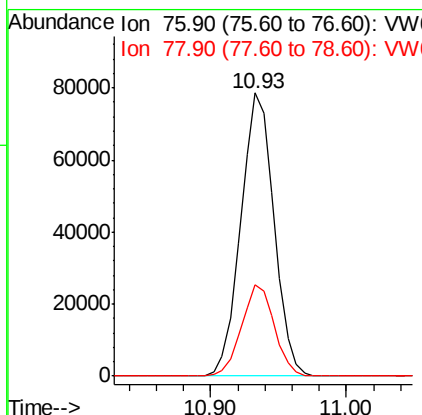
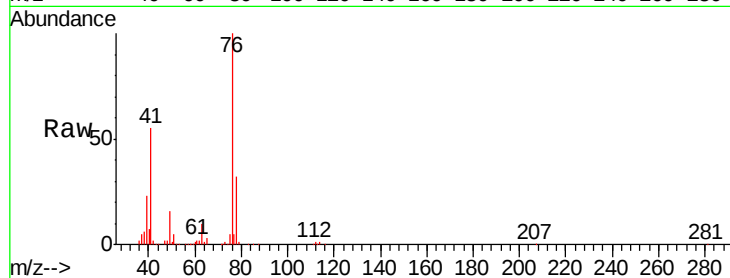




#57
 1,3-Dichloropropane
 Concen: 52.69 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006492.D
 Acq: 30 Oct 2018 10:41

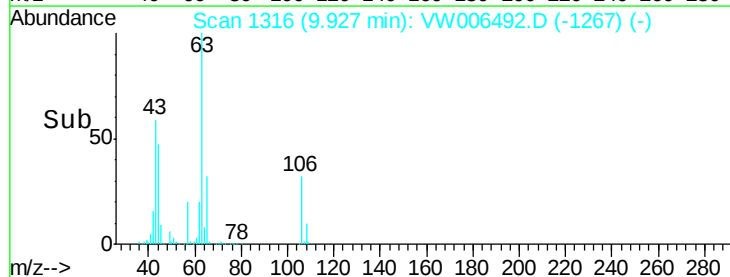
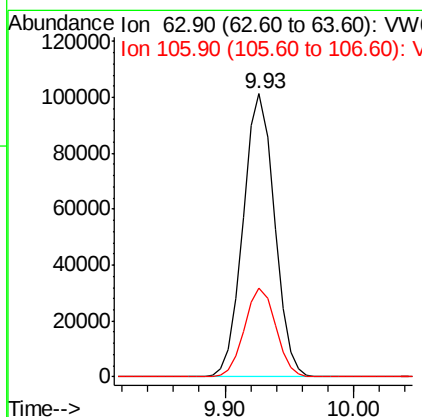
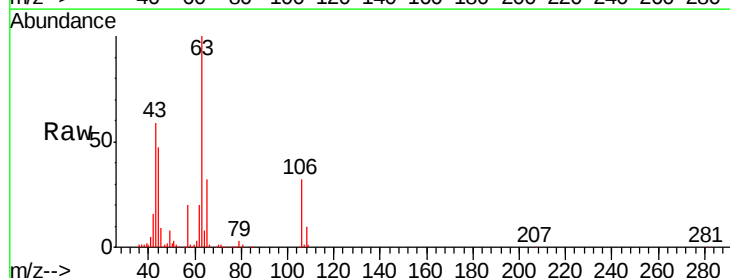
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

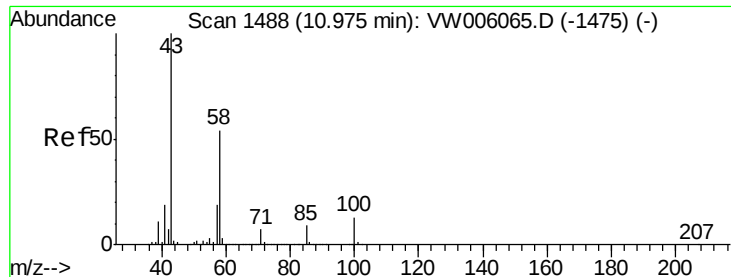
Tgt Ion: 76 Resp: 133879
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.00 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006492.D
 Acq: 30 Oct 2018 10:41

Tgt Ion: 63 Resp: 170404
 Ion Ratio Lower Upper
 63 100
 106 31.4 24.5 36.7

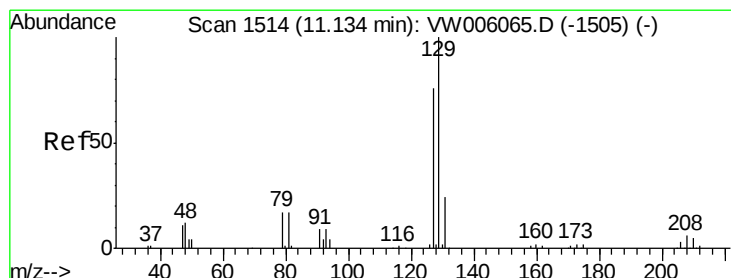
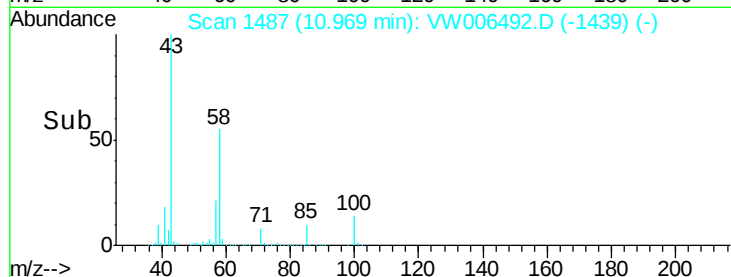
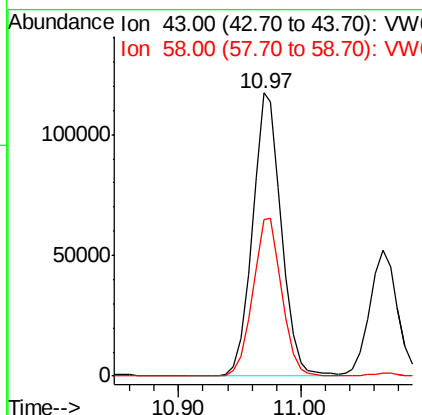
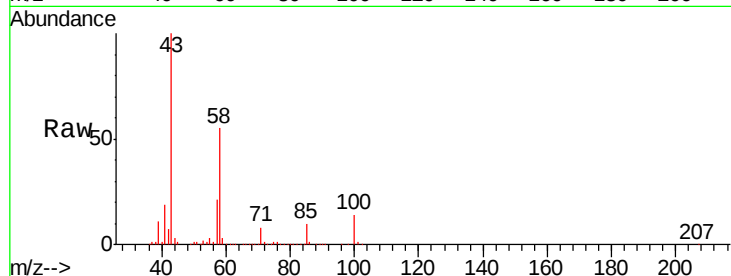




#59
2-Hexanone
Concen: 241.49 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

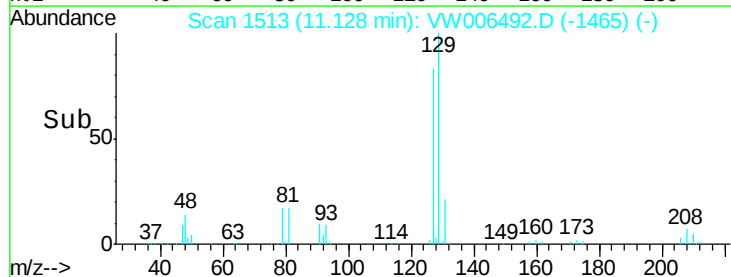
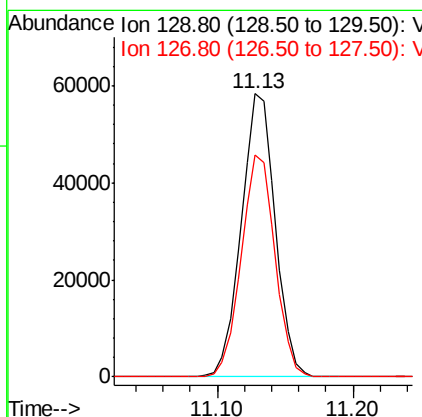
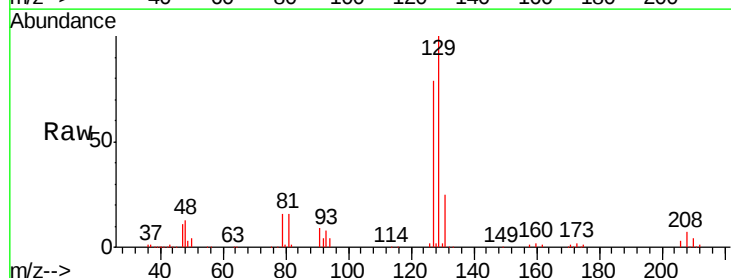
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

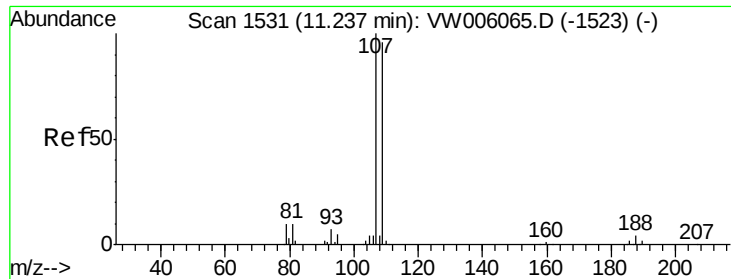
Tgt Ion: 43 Resp: 192359
Ion Ratio Lower Upper
43 100
58 56.0 26.9 80.6



#60
Dibromochloromethane
Concen: 53.21 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

Tgt Ion: 129 Resp: 101734
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.7

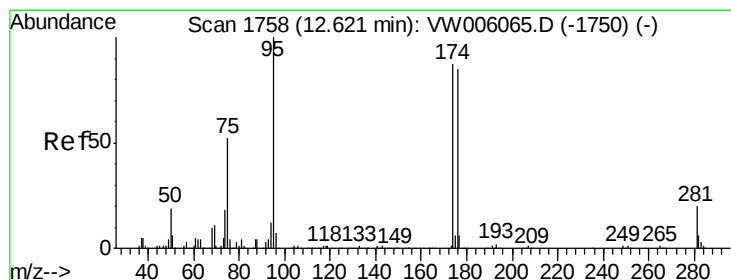
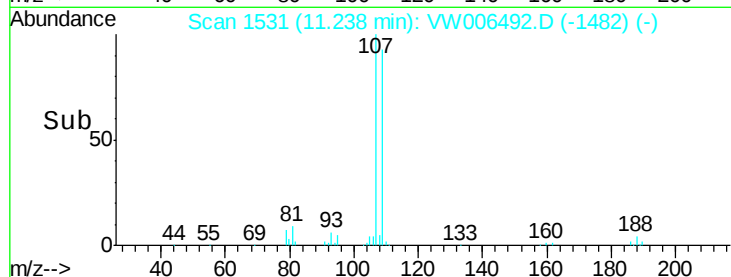
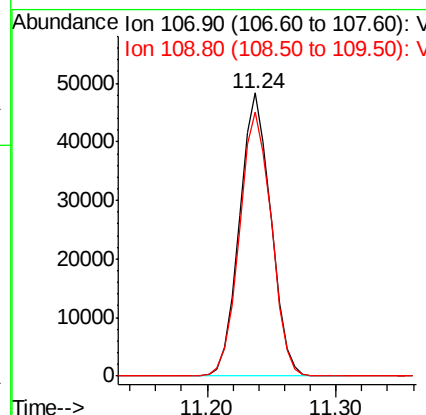
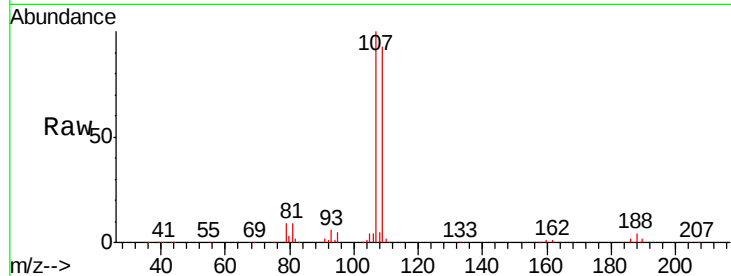




#61
 1,2-Dibromoethane
 Concen: 53.11 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006492.D
 Acq: 30 Oct 2018 10:41

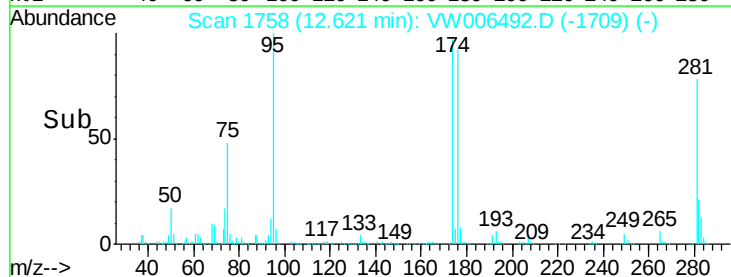
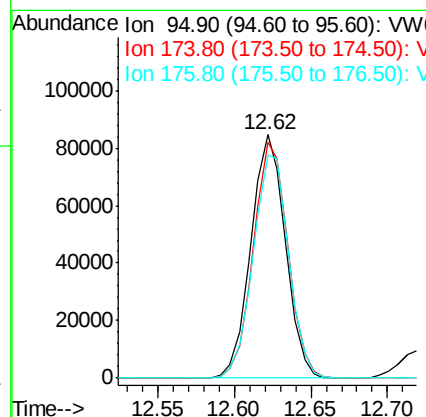
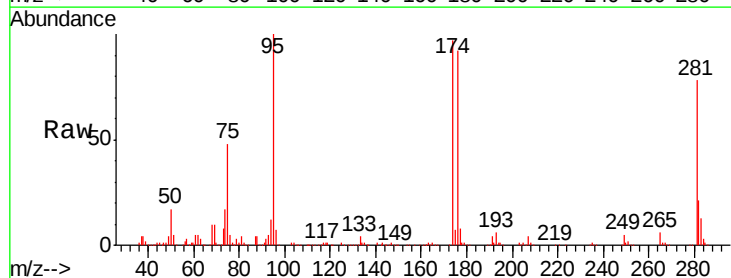
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

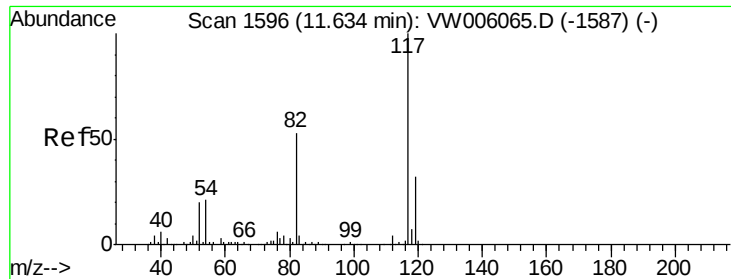
Tgt Ion: 107 Resp: 81450
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 49.33 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006492.D
 Acq: 30 Oct 2018 10:41

Tgt Ion: 95 Resp: 132479
 Ion Ratio Lower Upper
 95 100
 174 97.3 0.0 186.0
 176 94.9 0.0 181.6

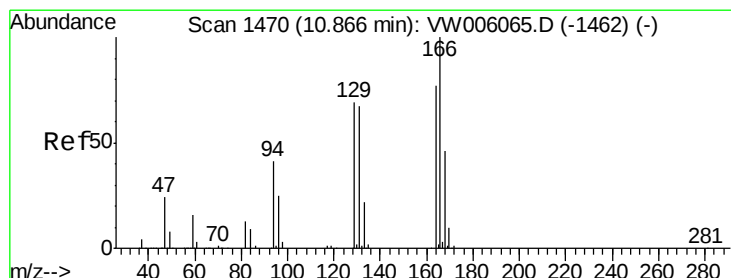
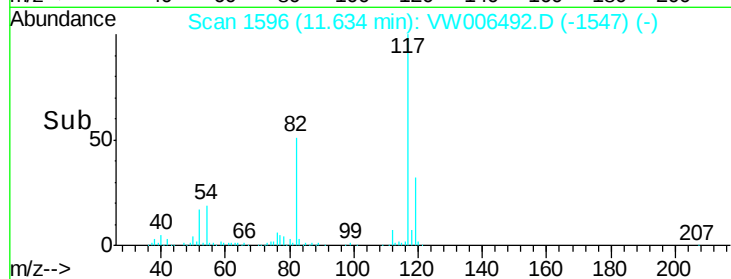
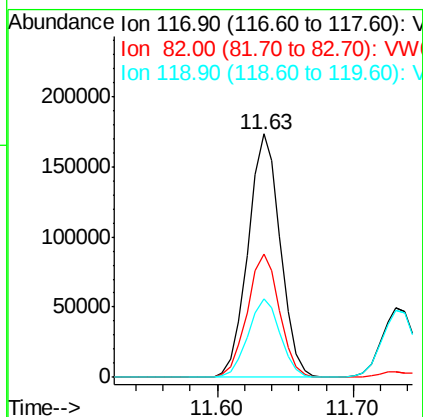
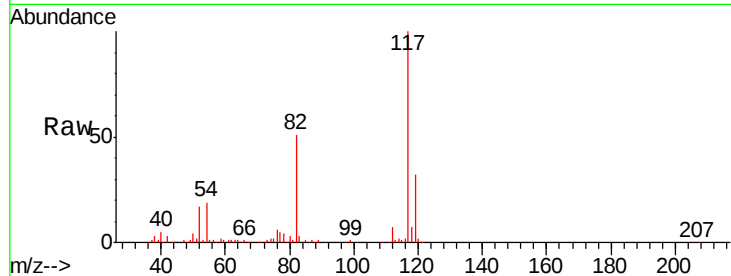




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

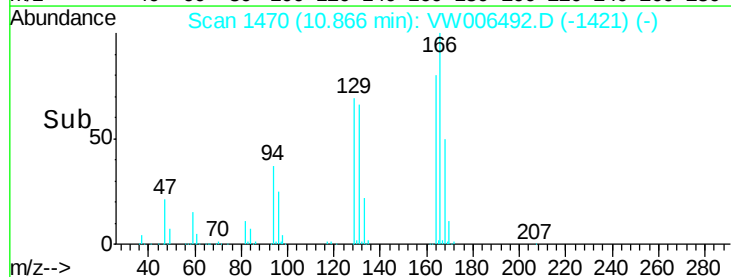
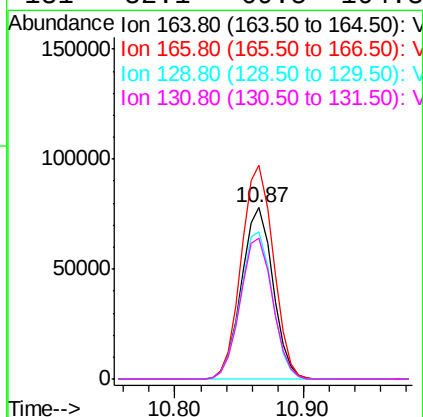
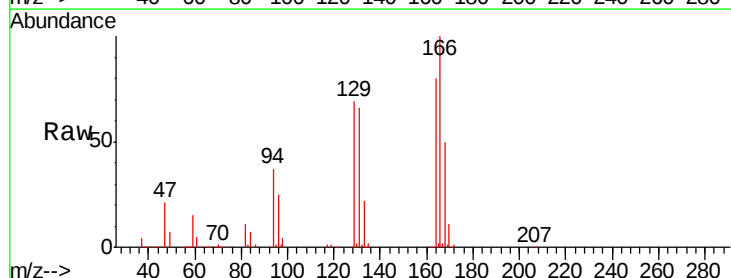
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

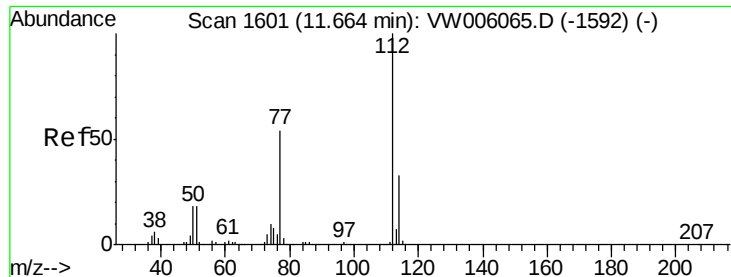
Tgt Ion:117 Resp: 287413
Ion Ratio Lower Upper
117 100
82 50.5 42.1 63.1
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 59.11 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

Tgt Ion:164 Resp: 131889
Ion Ratio Lower Upper
164 100
166 124.8 103.4 155.0
129 85.9 71.8 107.8
131 82.1 69.5 104.3

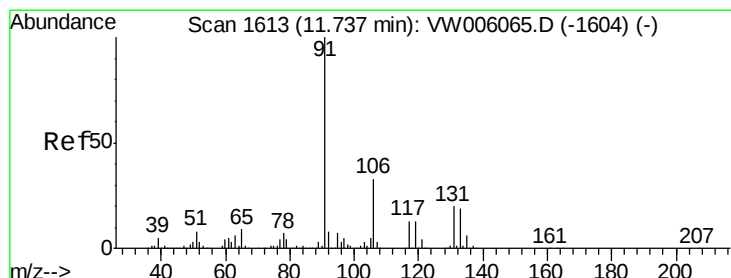
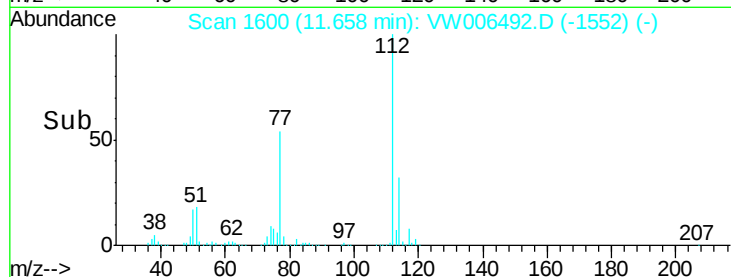
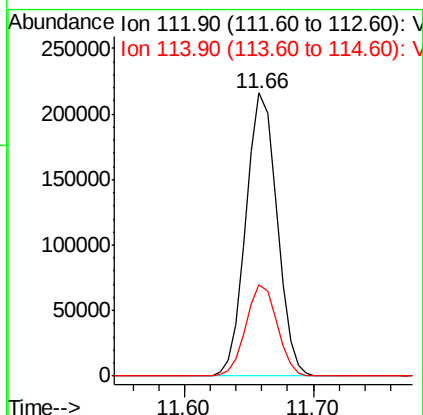
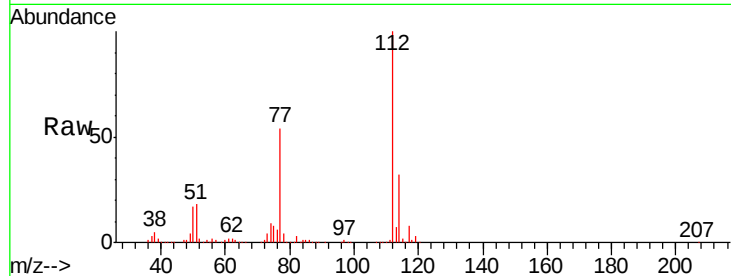




#65
Chlorobenzene
Concen: 58.63 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

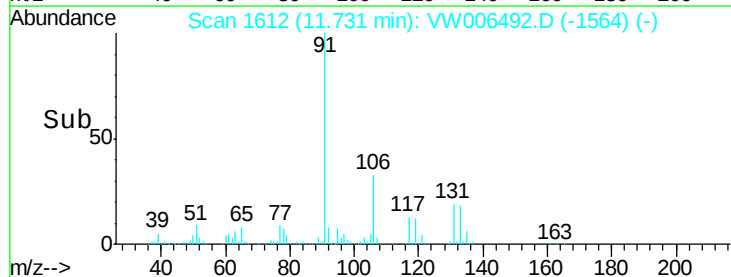
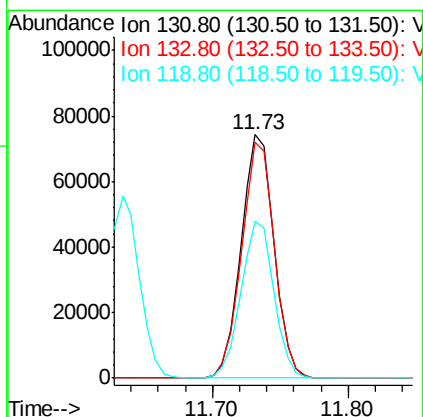
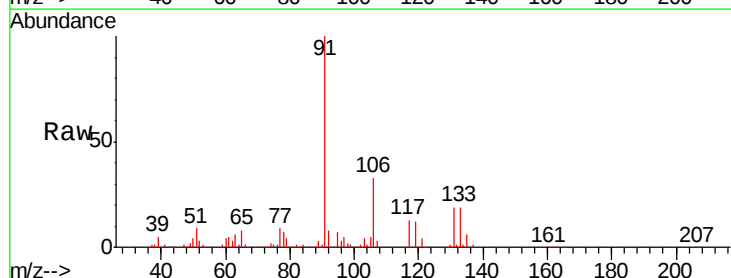
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

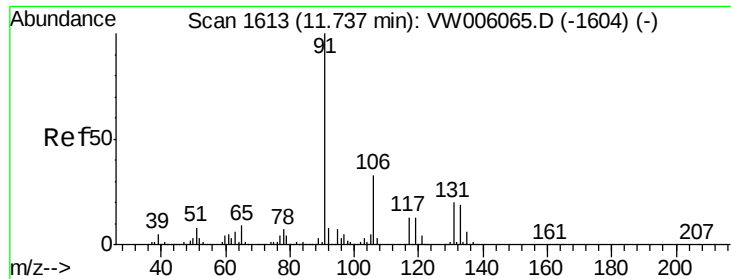
Tgt Ion:112 Resp: 360754
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 57.50 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

Tgt Ion:131 Resp: 125722
Ion Ratio Lower Upper
131 100
133 96.7 48.1 144.3
119 64.3 31.6 94.7

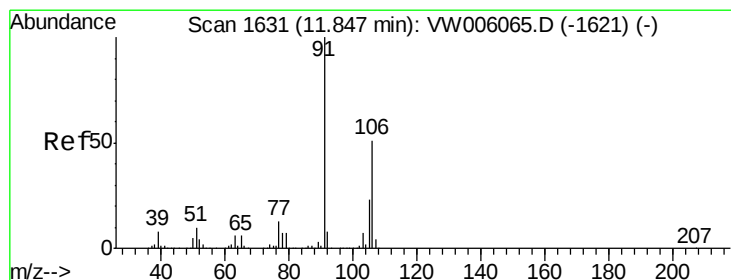
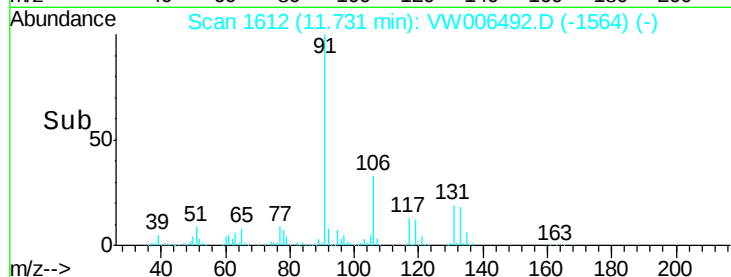
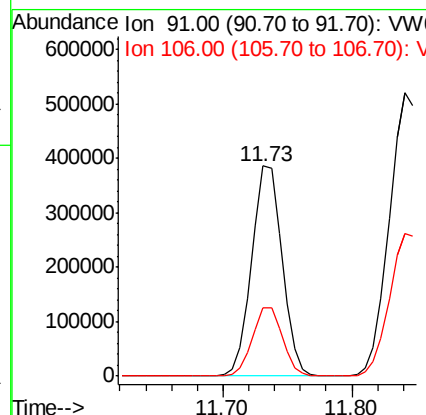
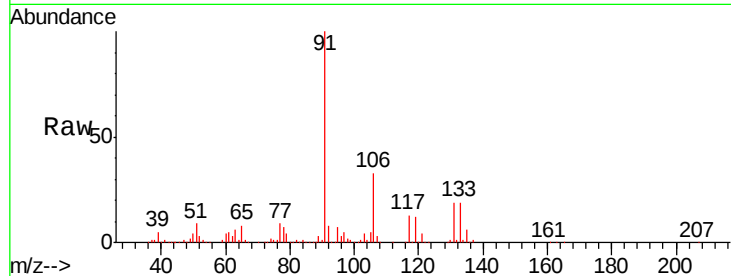




#67
Ethyl Benzene
Concen: 58.81 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

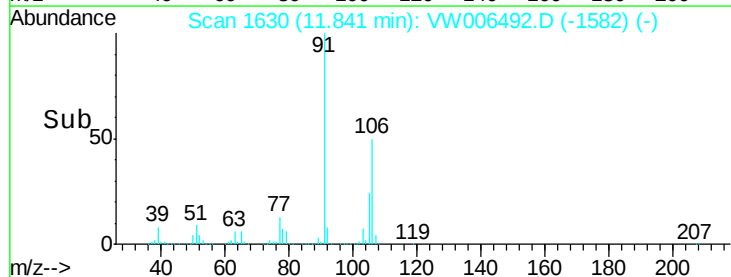
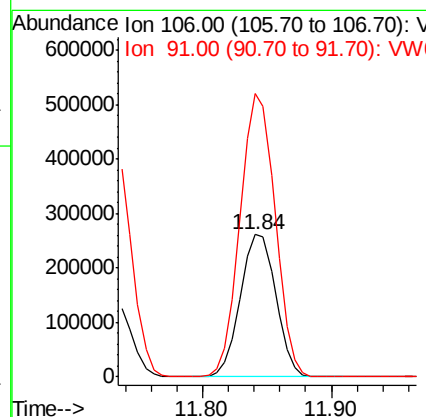
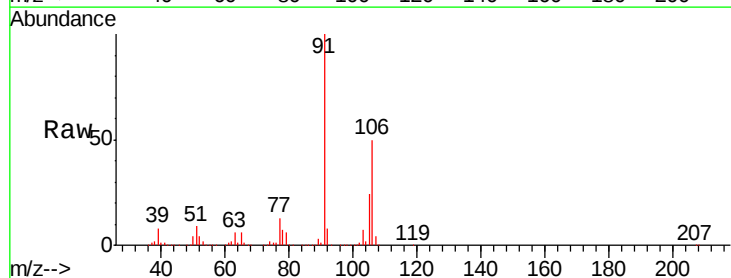
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 627040
Ion Ratio Lower Upper
91 100
106 32.6 26.1 39.1



#68
m/p-Xylenes
Concen: 118.67 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

Tgt Ion: 106 Resp: 500114
Ion Ratio Lower Upper
106 100
91 196.1 159.1 238.7

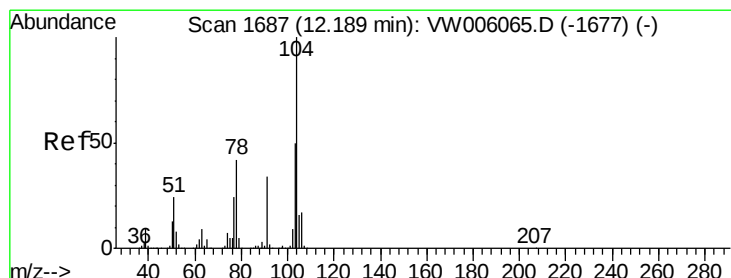
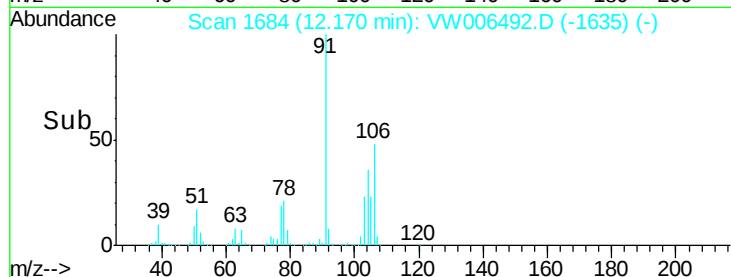
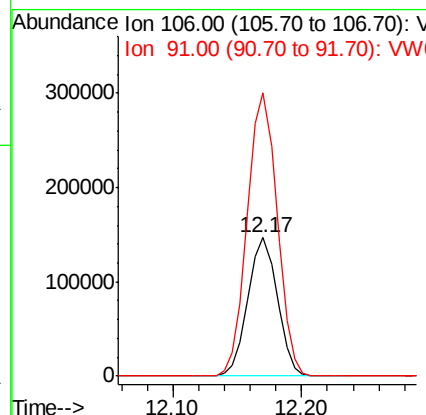
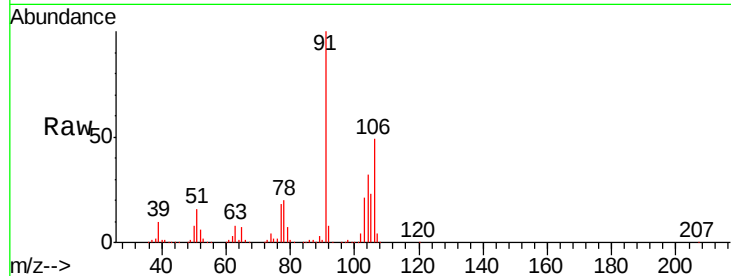




#69
o-Xylene
Concen: 58.09 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

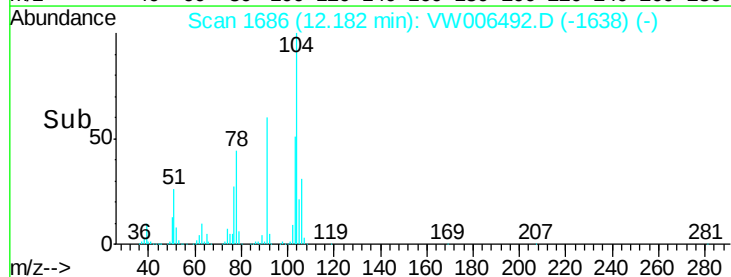
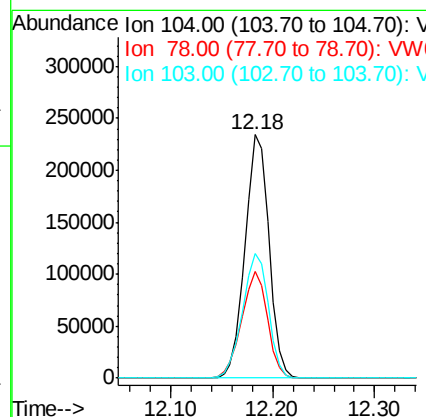
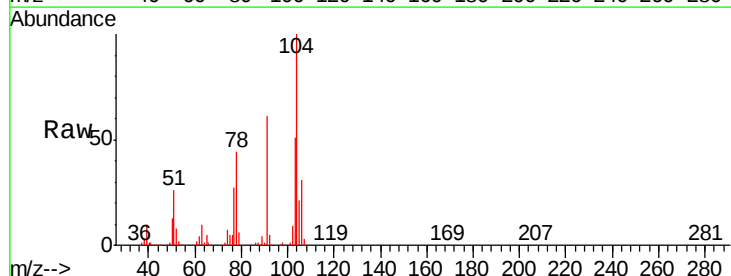
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

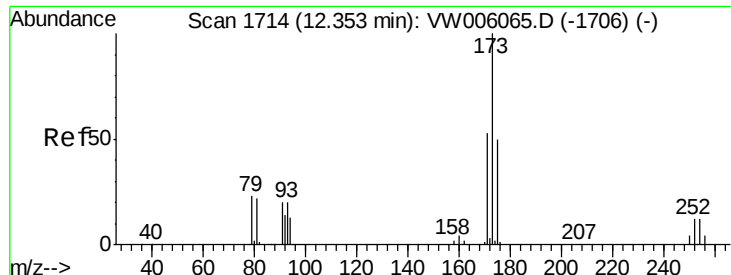
Tgt Ion:106 Resp: 233305
Ion Ratio Lower Upper
106 100
91 206.7 105.4 316.1



#70
Styrene
Concen: 58.30 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

Tgt Ion:104 Resp: 380753
Ion Ratio Lower Upper
104 100
78 47.1 39.1 58.7
103 55.3 44.3 66.5





#71

Bromoform

Concen: 50.99 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

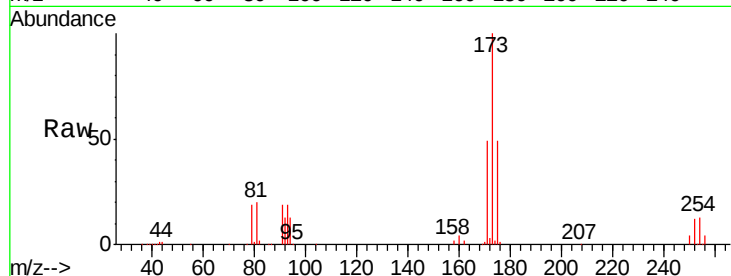
Tgt Ion:173 Resp: 62181

Ion Ratio Lower Upper

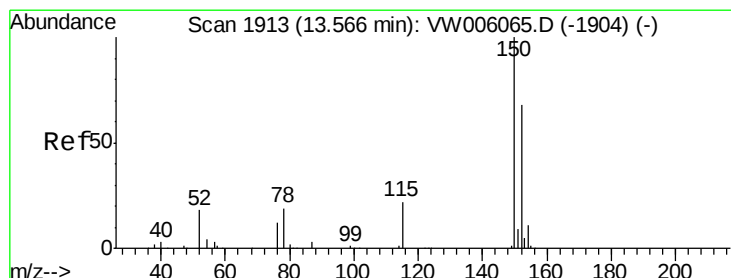
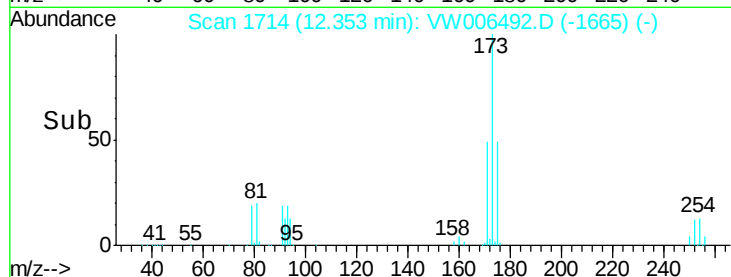
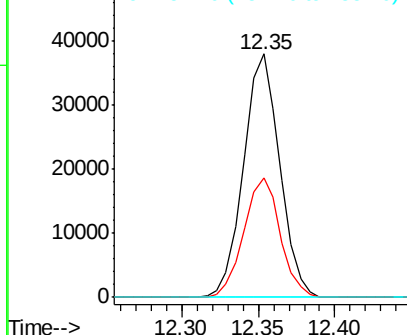
173 100

175 49.2 24.2 72.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

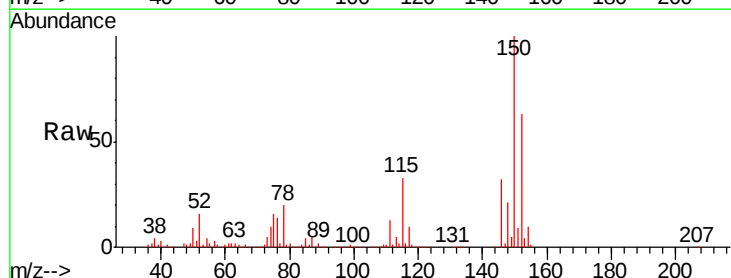
Tgt Ion:152 Resp: 162240

Ion Ratio Lower Upper

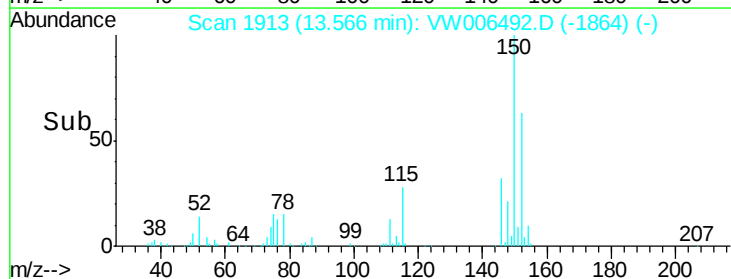
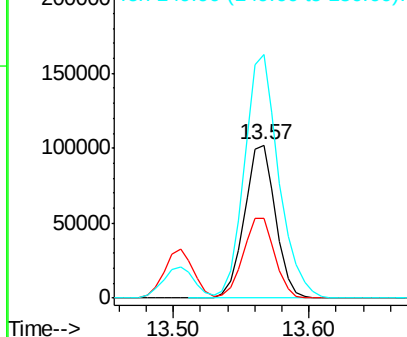
152 100

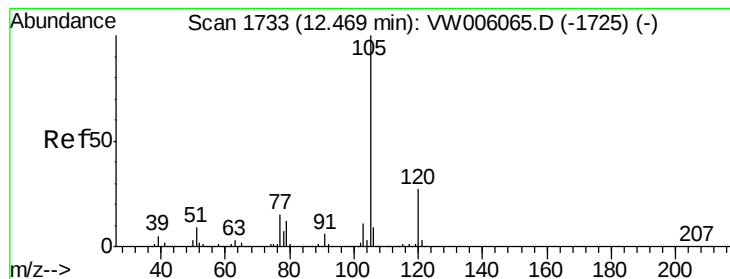
115 53.5 27.8 83.3

150 176.3 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: 58.74 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

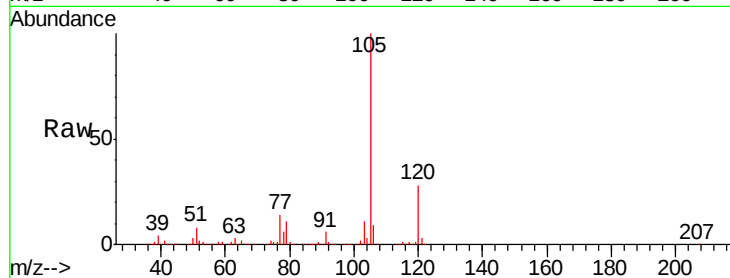
VSTDCCC050

Tgt Ion: 105 Resp: 673304

Ion Ratio Lower Upper

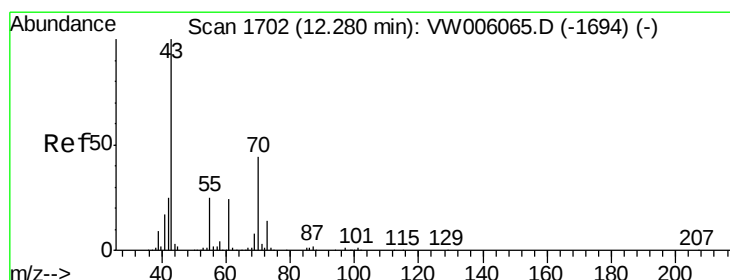
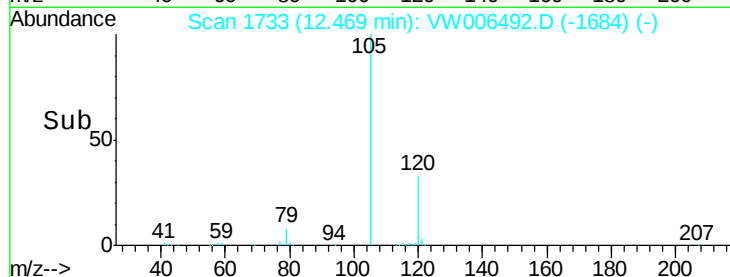
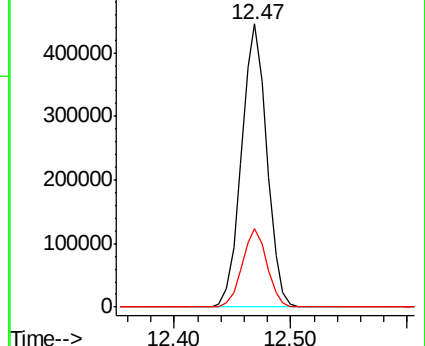
105 100

120 27.3 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.08 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.01 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Tgt Ion: 43 Resp: 95910

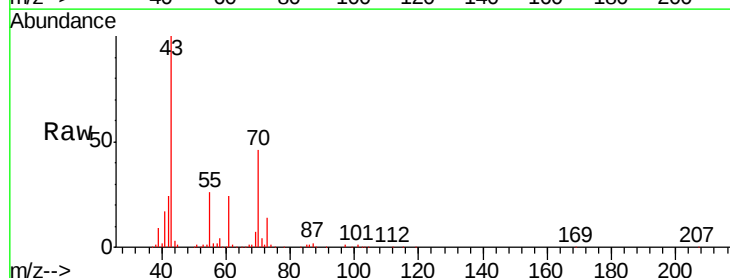
Ion Ratio Lower Upper

43 100

70 47.2 34.2 51.4

55 27.0 19.2 28.8

61 25.4 19.0 28.6

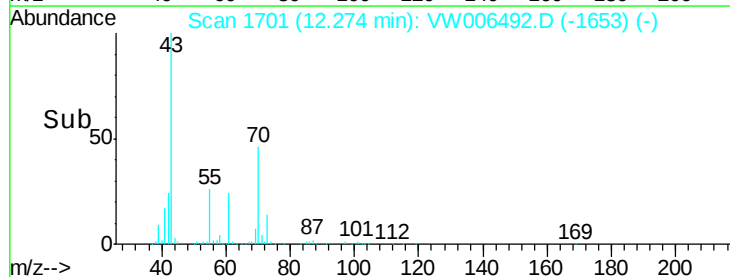
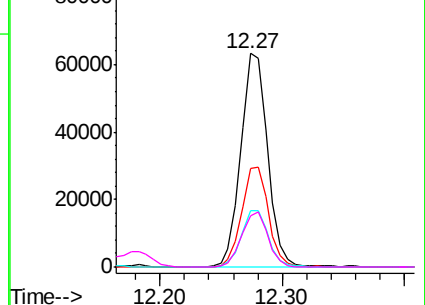


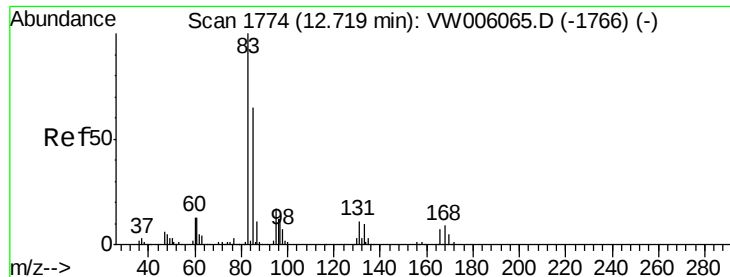
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 50.90 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

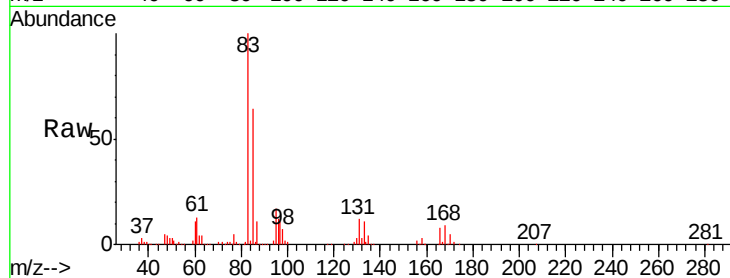
Tgt Ion: 83 Resp: 88733

Ion Ratio Lower Upper

83 100

131 12.1 5.9 17.7

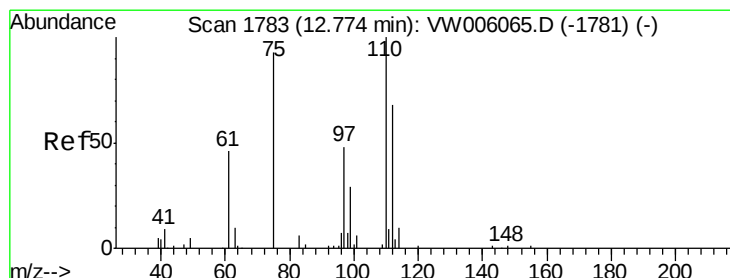
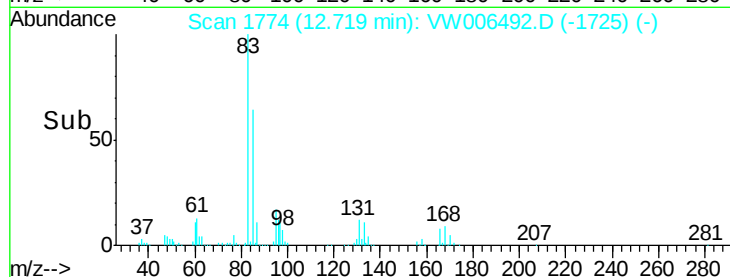
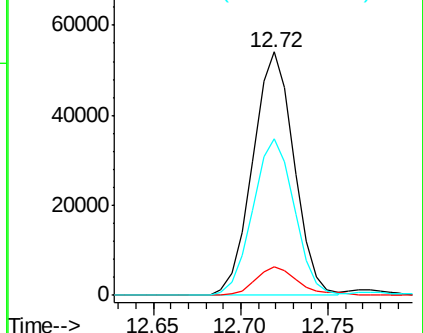
85 64.5 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 92.51 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006492.D

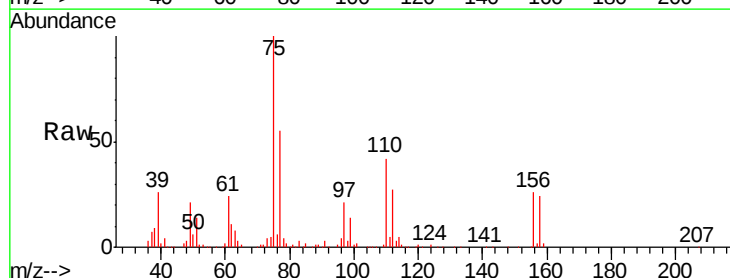
Acq: 30 Oct 2018 10:41

Tgt Ion: 75 Resp: 114634

Ion Ratio Lower Upper

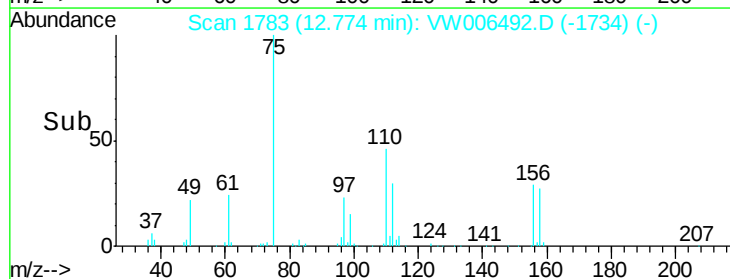
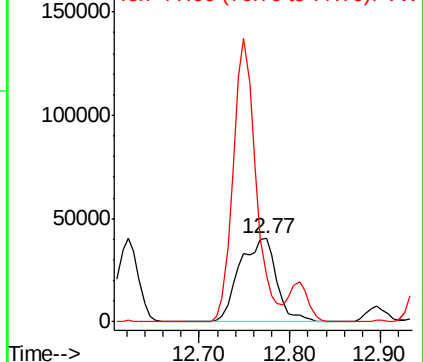
75 100

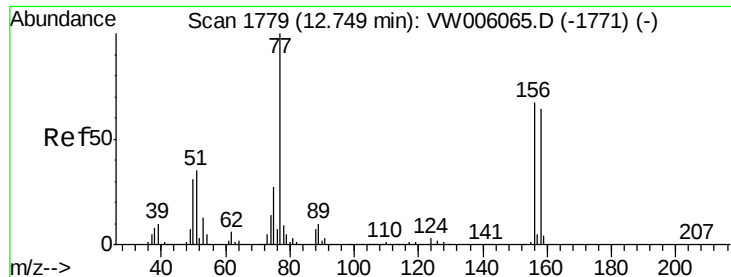
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 57.48 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

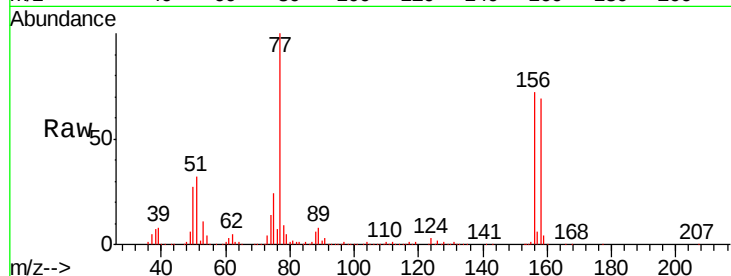
Tgt Ion: 156 Resp: 161354

Ion Ratio Lower Upper

156 100

77 150.6 79.1 237.4

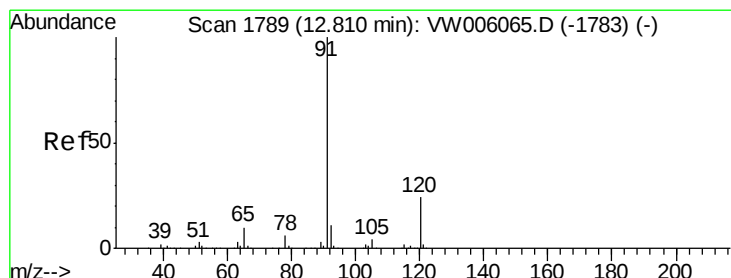
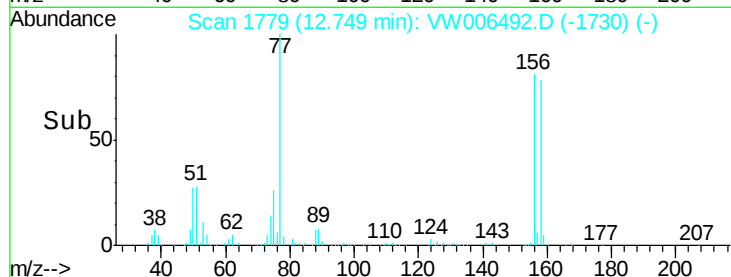
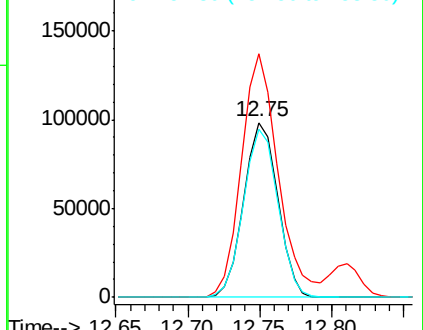
158 97.3 48.5 145.6



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: 58.49 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006492.D

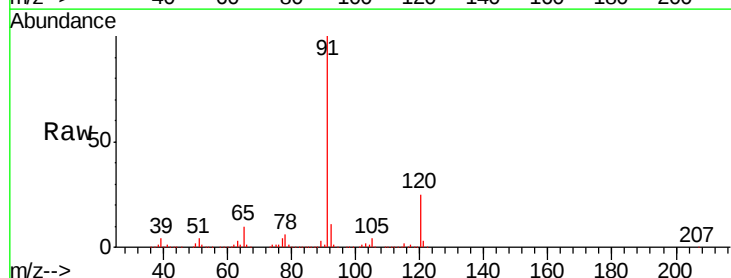
Acq: 30 Oct 2018 10:41

Tgt Ion: 91 Resp: 779979

Ion Ratio Lower Upper

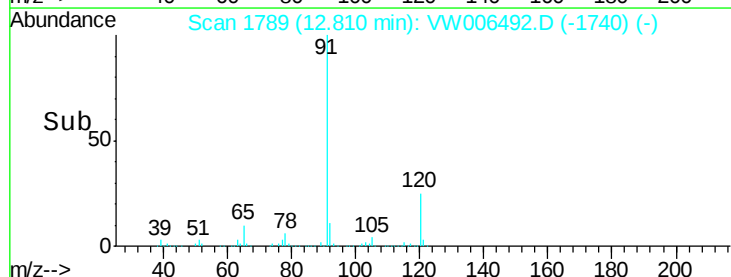
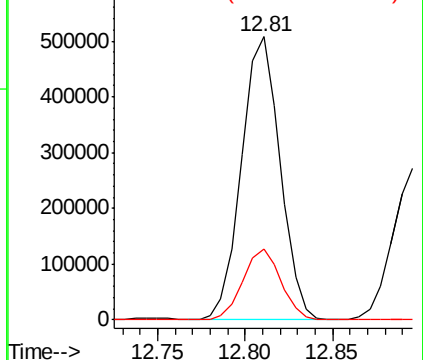
91 100

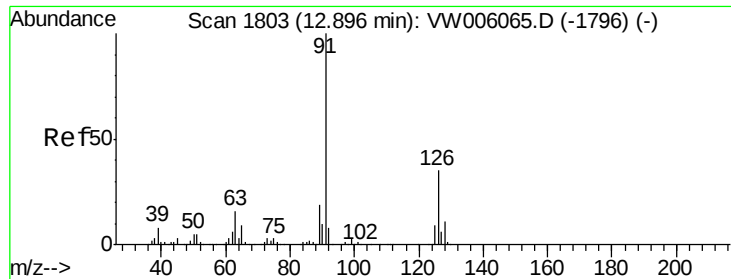
120 24.8 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 57.66 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

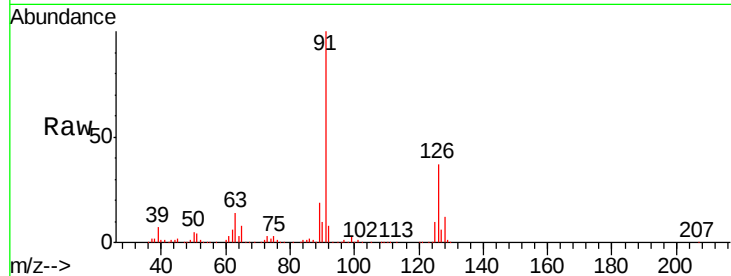
VSTDCCC050

Tgt Ion: 91 Resp: 431968

Ion Ratio Lower Upper

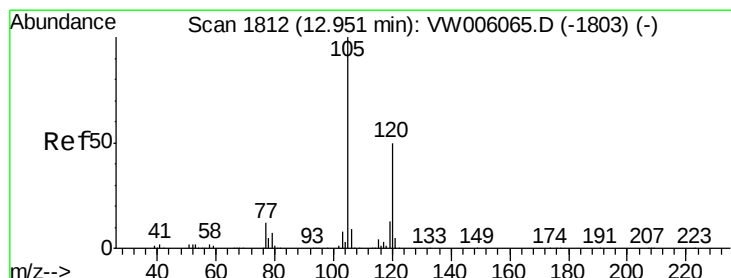
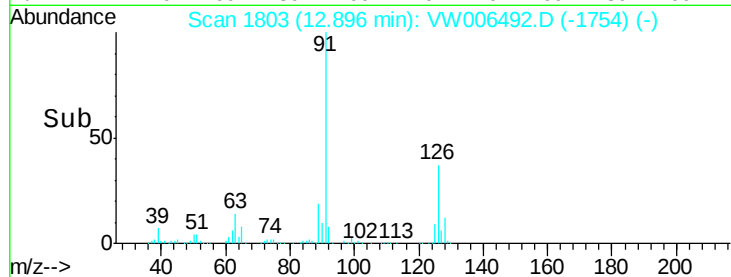
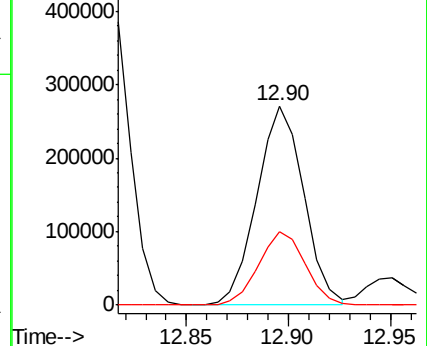
91 100

126 36.9 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 58.52 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006492.D

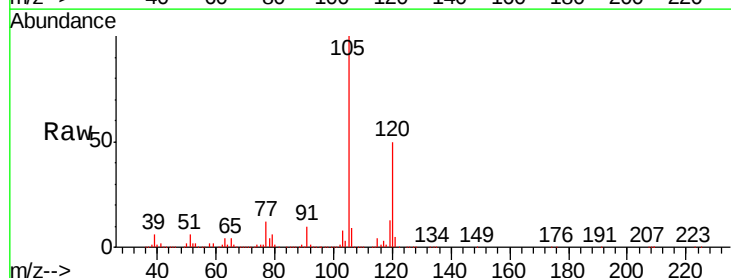
Acq: 30 Oct 2018 10:41

Tgt Ion: 105 Resp: 565444

Ion Ratio Lower Upper

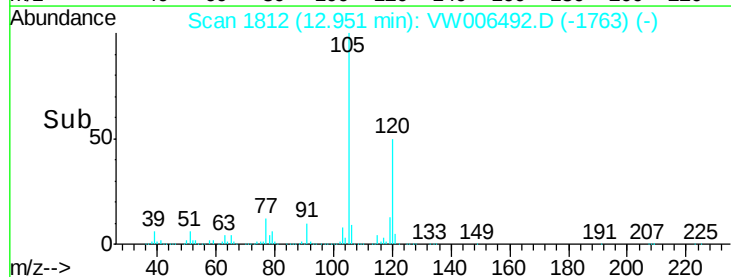
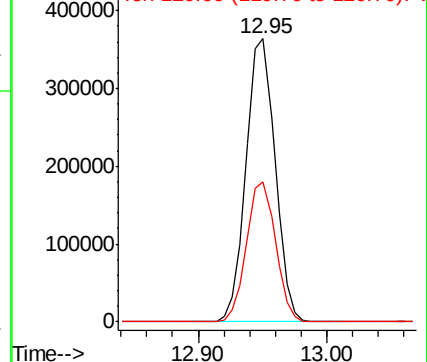
105 100

120 49.7 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.66 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

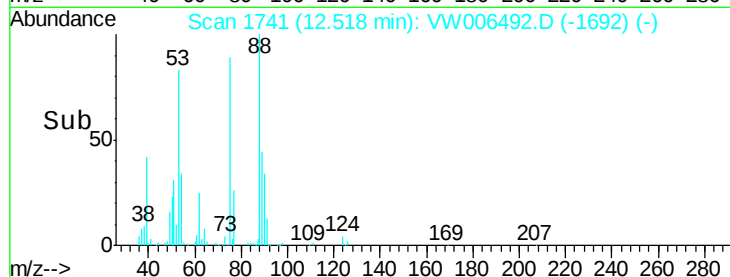
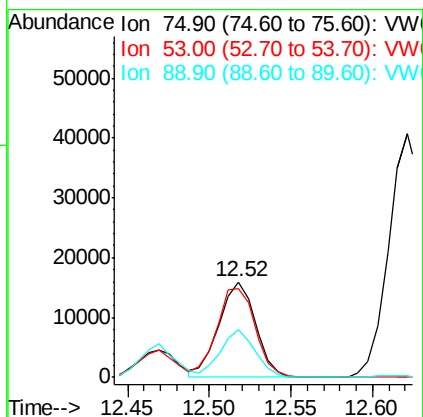
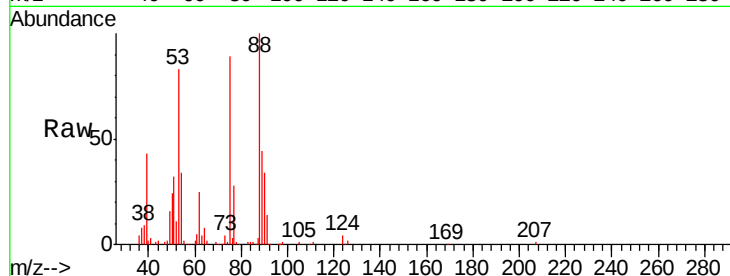
Tgt Ion: 75 Resp: 25228

Ion Ratio Lower Upper

75 100

53 98.2 79.8 119.6

89 46.5 37.5 56.3



#82

4-Chlorotoluene

Concen: 57.82 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006492.D

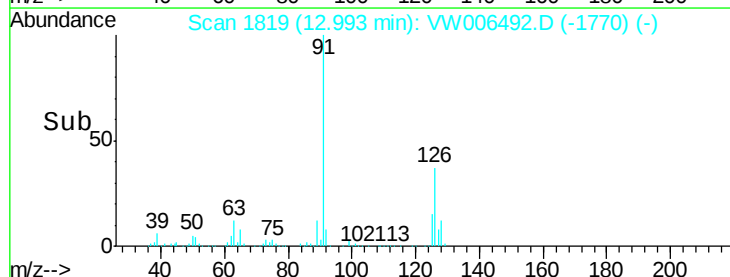
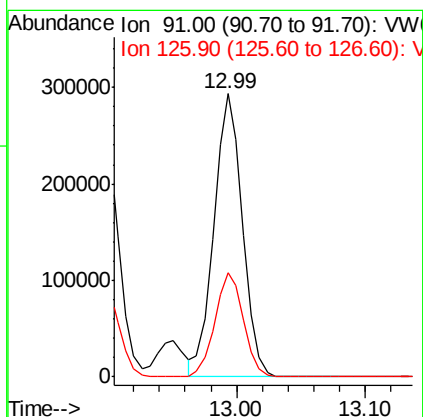
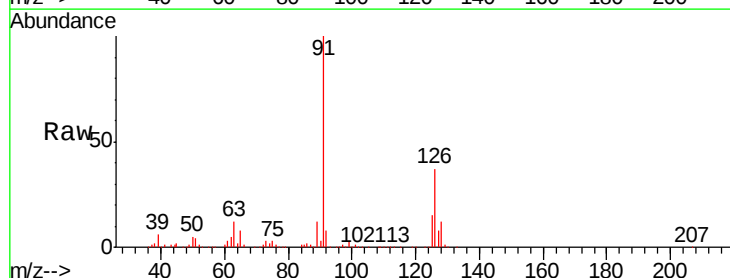
Acq: 30 Oct 2018 10:41

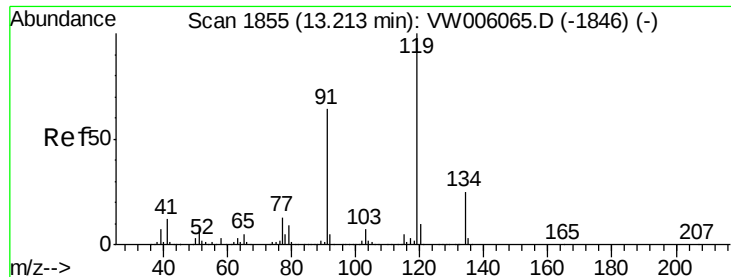
Tgt Ion: 91 Resp: 453825

Ion Ratio Lower Upper

91 100

126 37.1 18.1 54.3

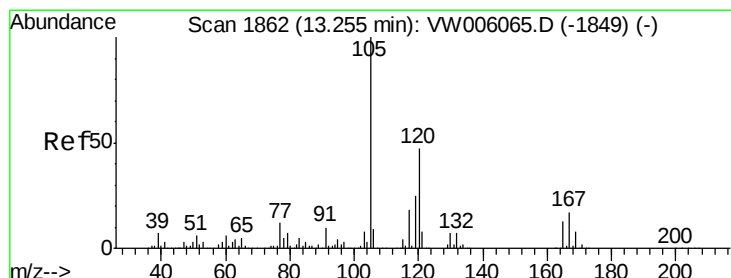
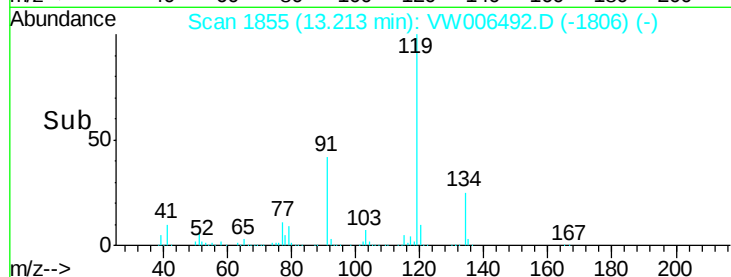
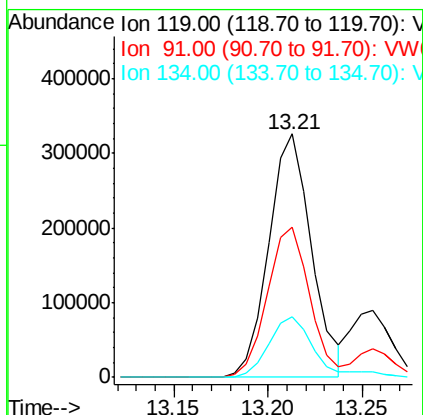
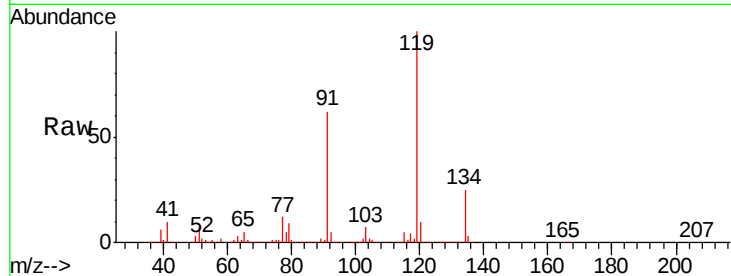




#83
 tert-Butylbenzene
 Concen: 59.30 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006492.D
 Acq: 30 Oct 2018 10:41

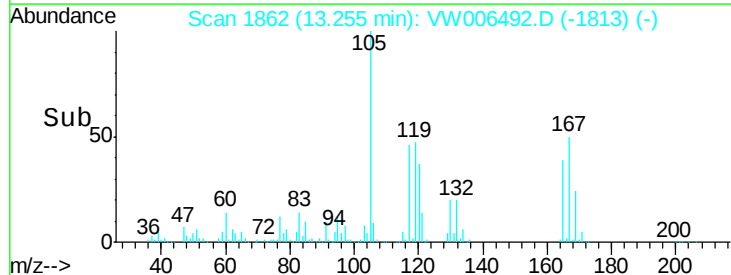
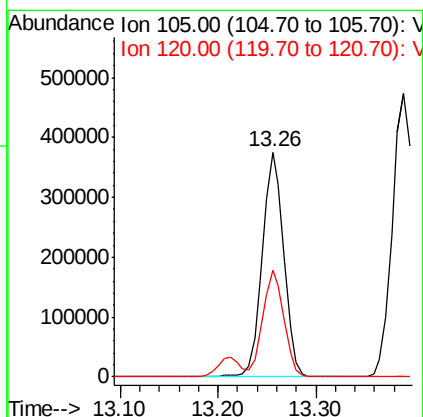
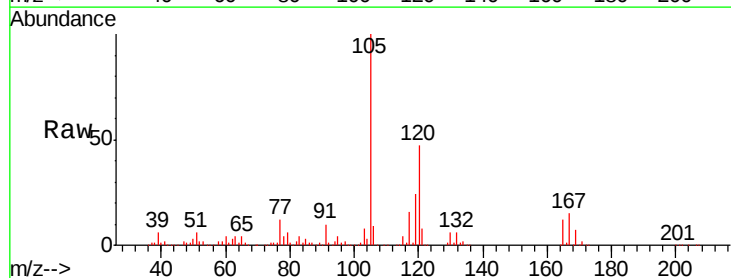
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

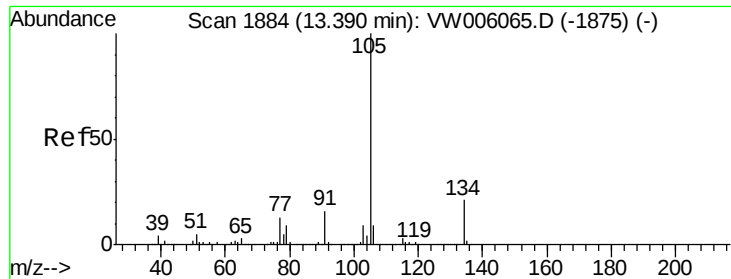
Tgt Ion:119 Resp: 512660
 Ion Ratio Lower Upper
 119 100
 91 61.1 32.3 96.9
 134 26.9 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 58.22 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006492.D
 Acq: 30 Oct 2018 10:41

Tgt Ion:105 Resp: 569248
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.1 69.3





#85

sec-Butylbenzene

Concen: 59.13 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampled :

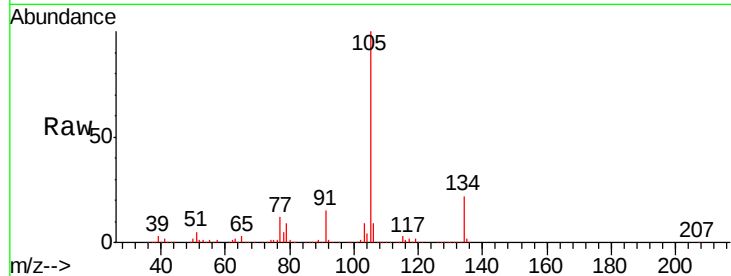
VSTDCCC050

Tgt Ion:105 Resp: 722147

Ion Ratio Lower Upper

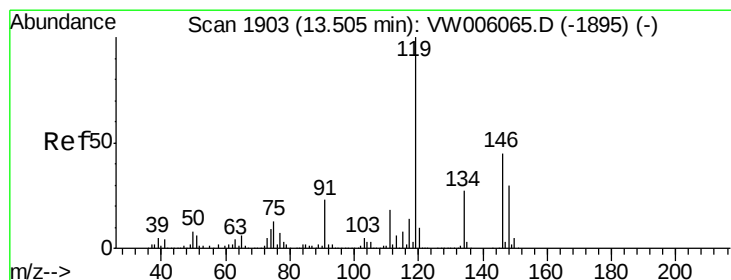
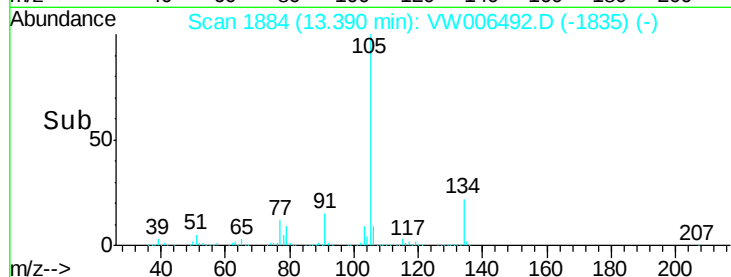
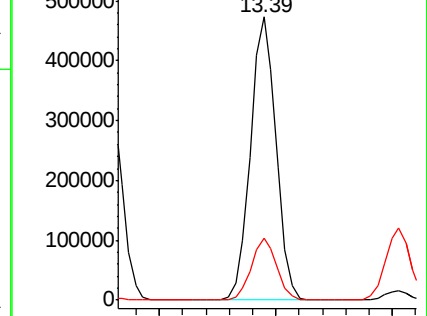
105 100

134 21.6 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 59.21 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

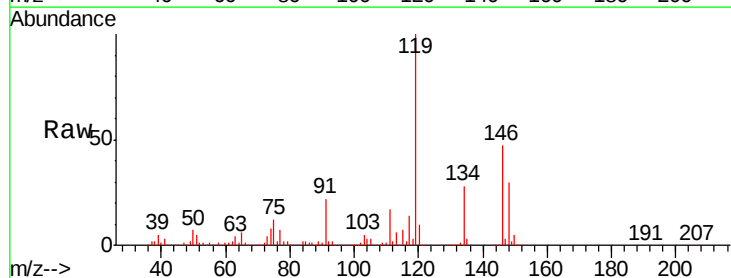
Tgt Ion:119 Resp: 654042

Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

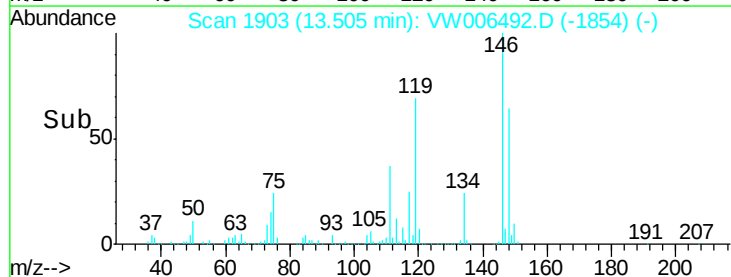
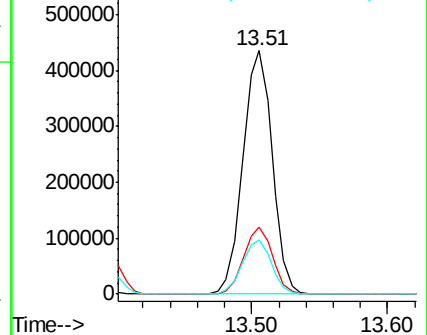
91 22.1 11.4 34.1

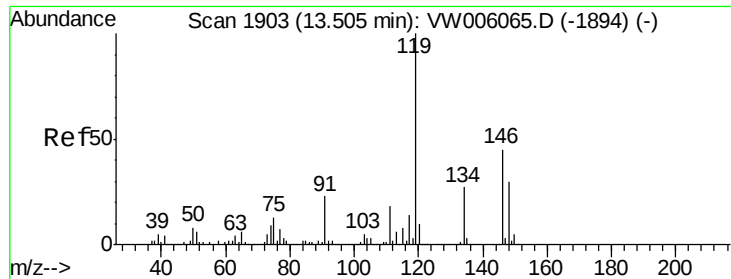


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

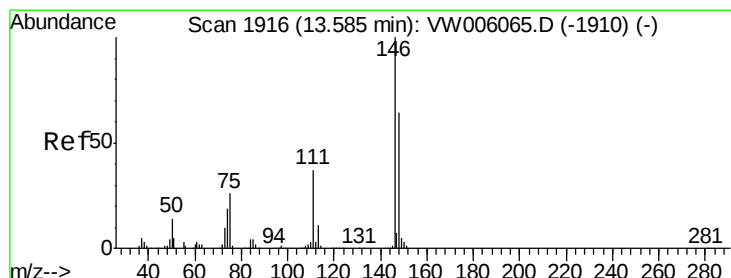
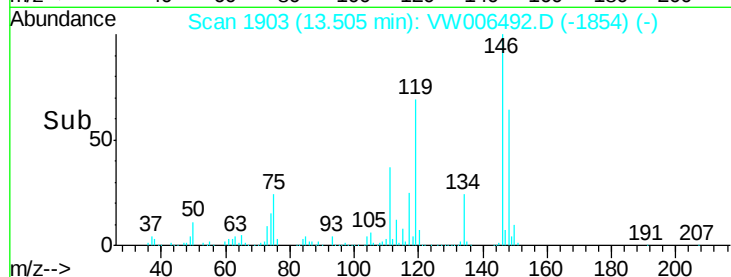
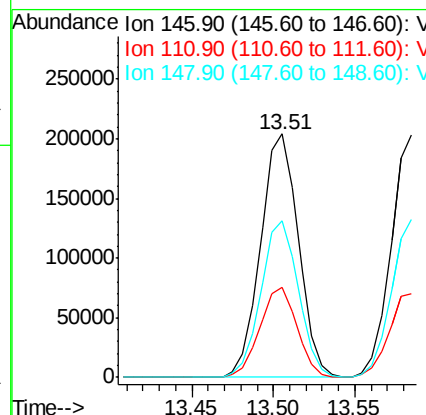
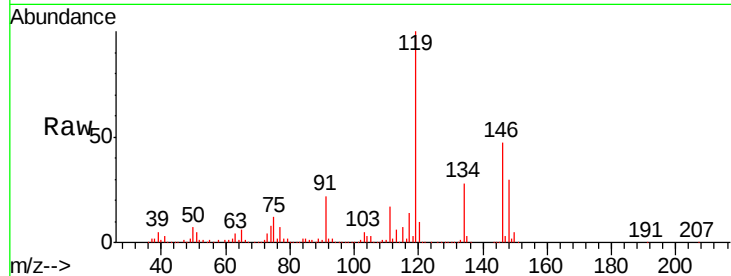




#87
 1,3-Dichlorobenzene
 Concen: 58.88 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006492.D
 Acq: 30 Oct 2018 10:41

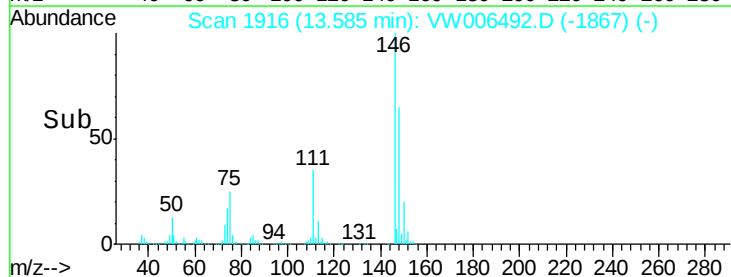
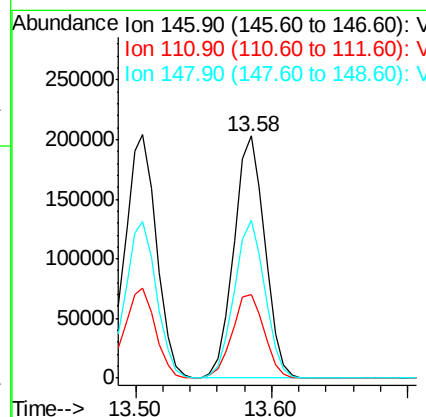
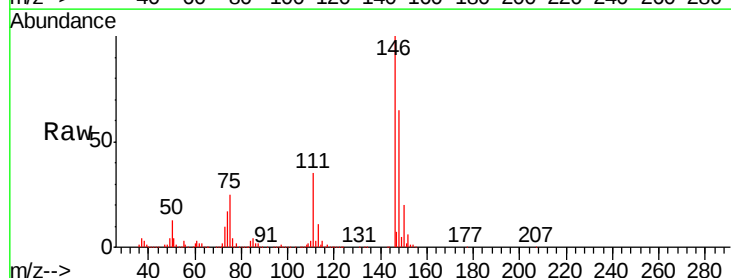
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 328943
 Ion Ratio Lower Upper
 146 100
 111 36.7 19.1 57.5
 148 63.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 57.63 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006492.D
 Acq: 30 Oct 2018 10:41

Tgt Ion:146 Resp: 320590
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.6 56.0
 148 64.6 32.1 96.5





#89

n-Butylbenzene

Concen: 58.85 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

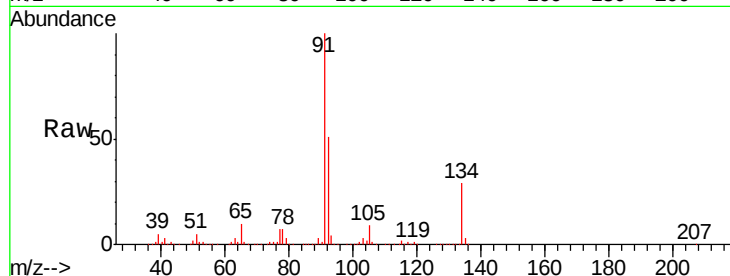
Tgt Ion: 91 Resp: 594531

Ion Ratio Lower Upper

91 100

92 52.2 26.6 79.7

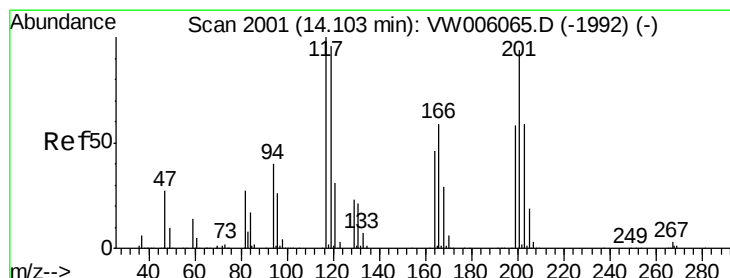
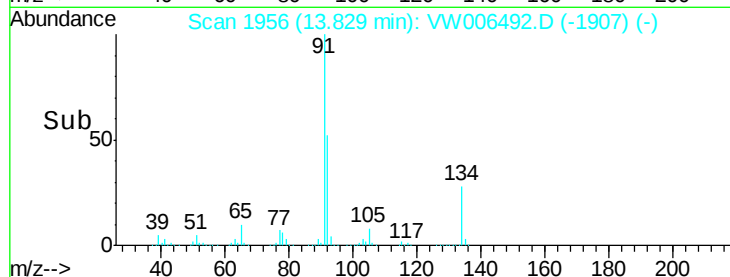
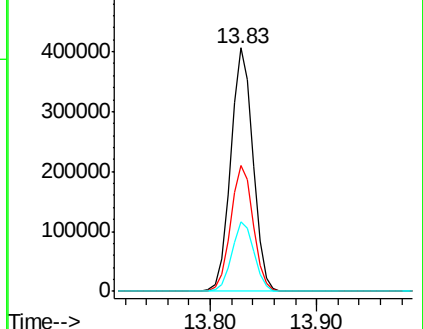
134 28.6 14.0 41.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 56.86 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW006492.D

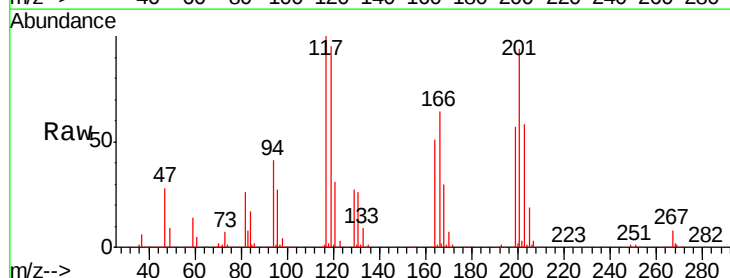
Acq: 30 Oct 2018 10:41

Tgt Ion: 117 Resp: 106400

Ion Ratio Lower Upper

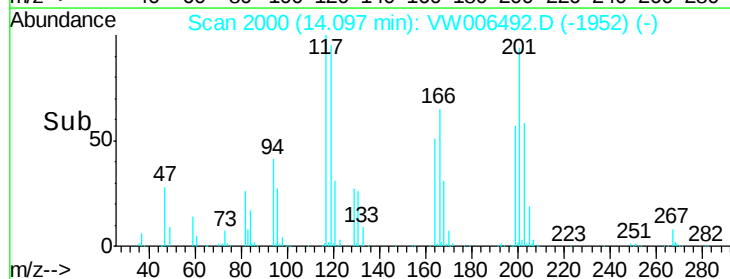
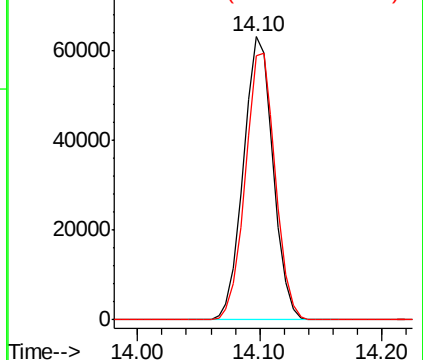
117 100

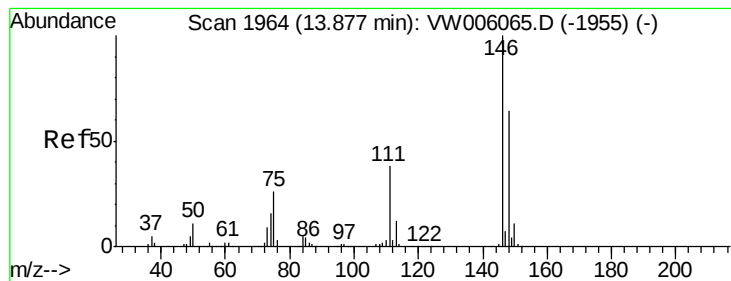
201 95.1 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 56.35 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

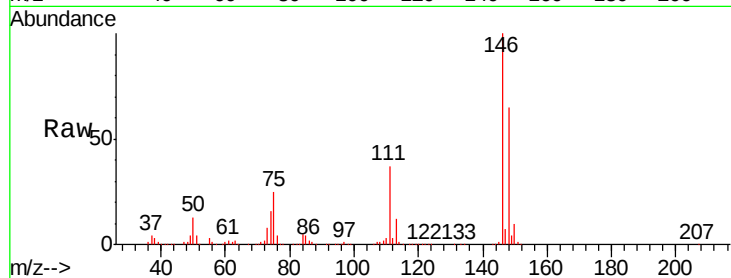
Tgt Ion:146 Resp: 280829

Ion Ratio Lower Upper

146 100

111 38.5 19.6 58.7

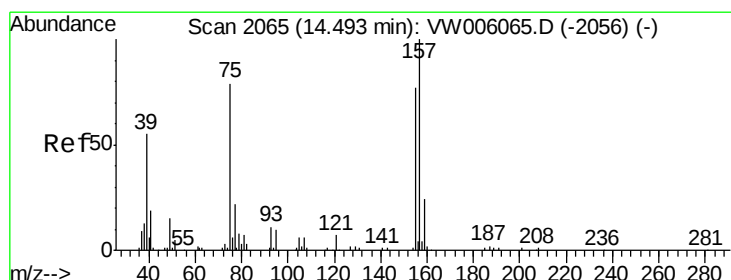
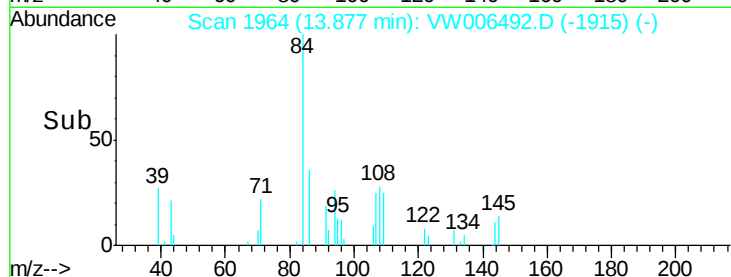
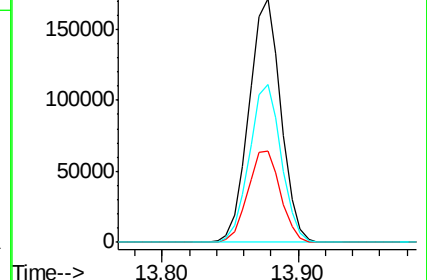
148 65.1 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 43.79 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006492.D

Acq: 30 Oct 2018 10:41

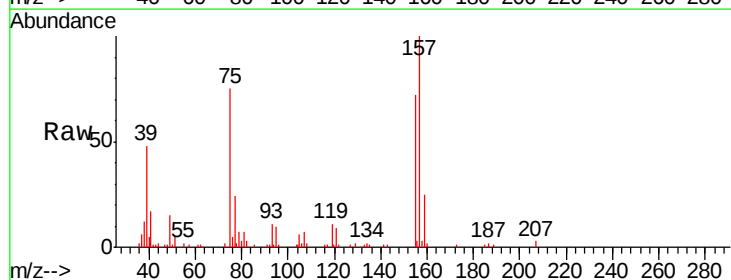
Tgt Ion: 75 Resp: 13669

Ion Ratio Lower Upper

75 100

155 97.7 46.5 139.5

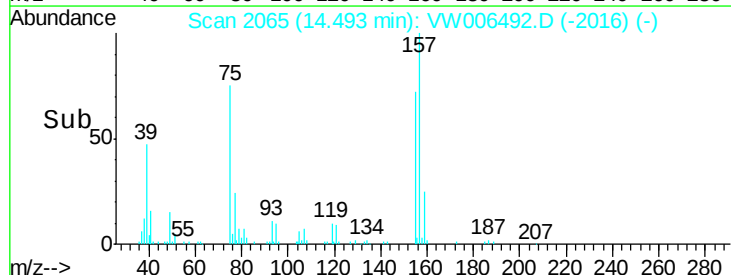
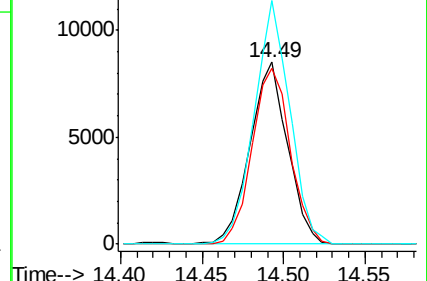
157 126.7 59.8 179.4

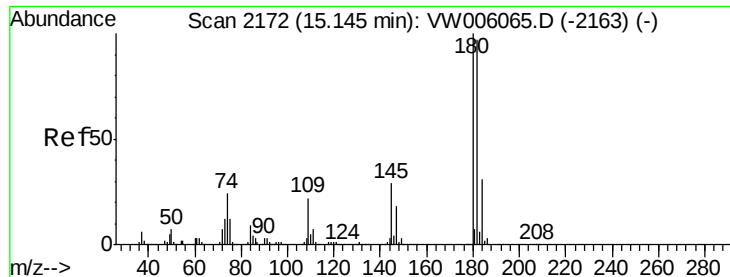


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

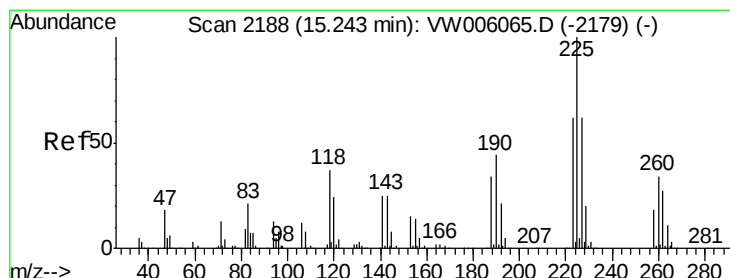
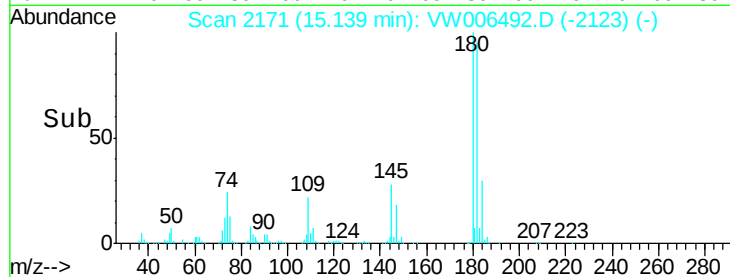
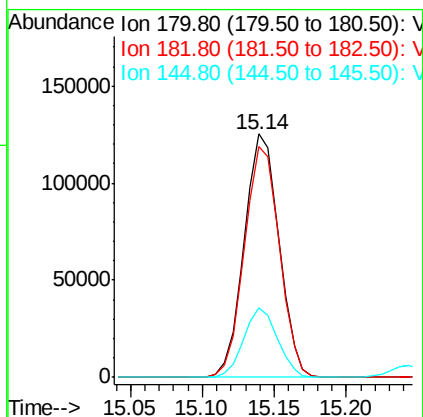
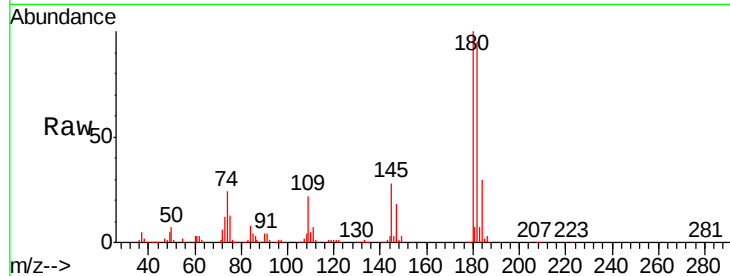




#93
 1,2,4-Trichlorobenzene
 Concen: 54.54 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006492.D
 Acq: 30 Oct 2018 10:41

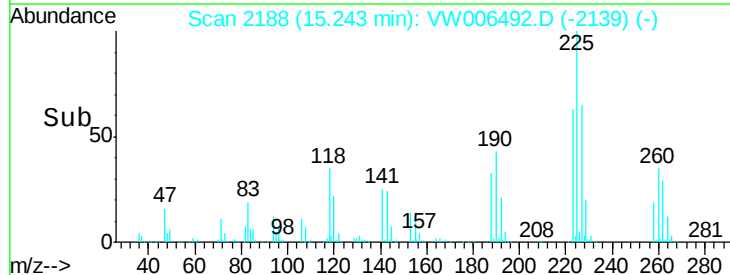
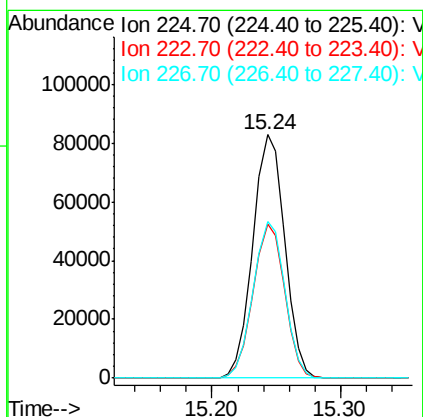
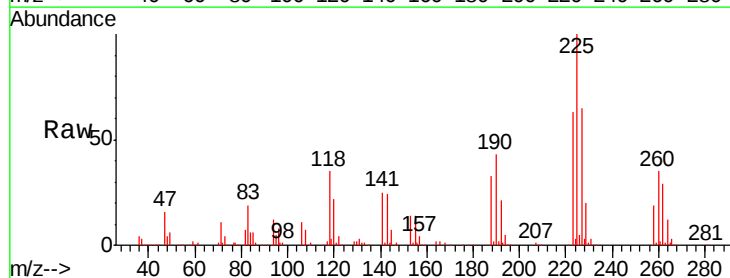
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

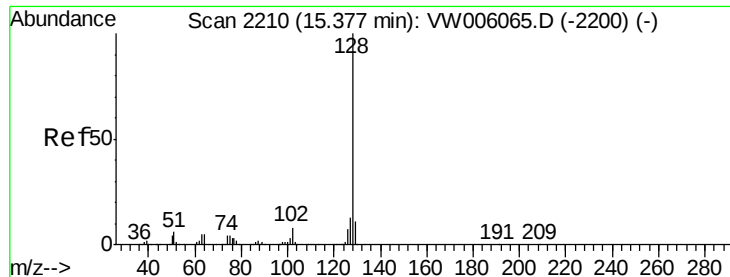
Tgt Ion:180 Resp: 209147
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.9 143.6
 145 27.7 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 58.60 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006492.D
 Acq: 30 Oct 2018 10:41

Tgt Ion:225 Resp: 141152
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.1 93.5
 227 64.0 32.4 97.0

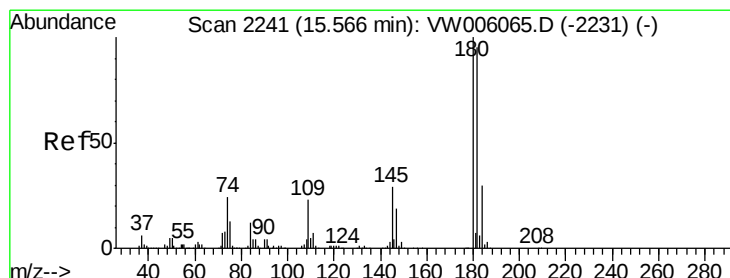
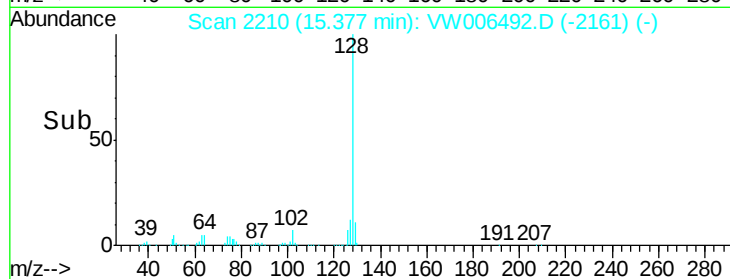
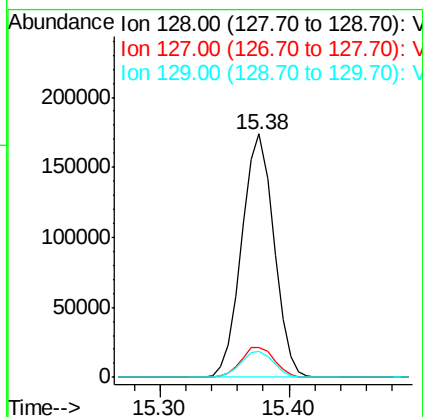
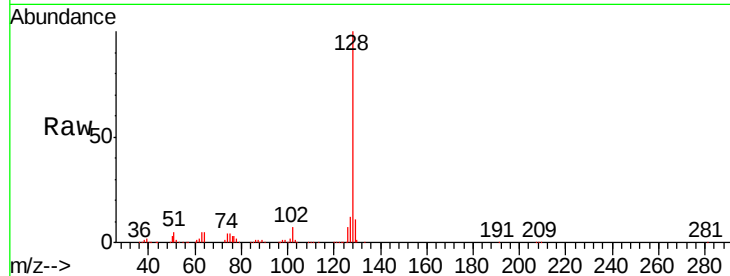




#95
Naphthalene
Concen: 47.11 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 300528
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 52.41 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006492.D
Acq: 30 Oct 2018 10:41

Tgt Ion:180 Resp: 173827
Ion Ratio Lower Upper
180 100
182 96.1 47.8 143.3
145 30.1 15.0 45.1

