

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101018\
 Data File : VW005948.D
 Acq On : 09 Oct 2018 19:46
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 10 01:09:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	237549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	345078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	180534	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	112643	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
35) Dibromofluoromethane	7.88	113	113338	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
50) Toluene-d8	10.33	98	430950	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.62	95	162149	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	55860	47.986	ug/l	98
3) Chloromethane	2.21	50	71463	52.190	ug/l	99
4) Vinyl Chloride	2.37	62	120819	55.579	ug/l	97
5) Bromomethane	2.78	94	100048	58.315	ug/l	99
6) Chloroethane	2.93	64	79740	57.574	ug/l	99
7) Trichlorofluoromethane	3.26	101	98639	57.163	ug/l	96
8) Diethyl Ether	3.68	74	58041	54.654	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	113132	51.952	ug/l	100
10) Methyl Iodide	4.26	142	186690	52.421	ug/l	99
11) Tert butyl alcohol	5.17	59	45184	267.349	ug/l	96
12) 1,1-Dichloroethene	4.03	96	107532	51.422	ug/l	97
13) Acrolein	3.89	56	42424	281.683	ug/l	97
14) Allyl chloride	4.66	41	160979	45.142	ug/l	97
15) Acrylonitrile	5.37	53	127069	274.940	ug/l	100
16) Acetone	4.12	43	118109	256.413	ug/l	98
17) Carbon Disulfide	4.38	76	315493	49.903	ug/l	100
18) Methyl Acetate	4.67	43	64573	55.552	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	170312	52.350	ug/l	99
20) Methylene Chloride	4.91	84	112947	48.942	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	120728	52.969	ug/l	98
22) Diisopropyl ether	6.31	45	322238	48.338	ug/l	98
23) Vinyl Acetate	6.26	43	1019936	248.578	ug/l	98
24) 1,1-Dichloroethane	6.21	63	203182	49.805	ug/l	99
25) 2-Butanone	7.17	43	173720	265.160	ug/l	96
26) 2,2-Dichloropropane	7.17	77	132102	46.011	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	135129	52.425	ug/l	95
28) Bromochloromethane	7.51	49	69059	45.860	ug/l	93
29) Tetrahydrofuran	7.53	42	110973	267.953	ug/l	95
30) Chloroform	7.68	83	217612	51.932	ug/l	96
31) Cyclohexane	7.95	56	186483	46.191	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	187082	50.133	ug/l	100
36) 1,1-Dichloropropene	8.09	75	171528	51.876	ug/l	99
37) Ethyl Acetate	7.26	43	75737	54.089	ug/l	99
38) Carbon Tetrachloride	8.07	117	185890	52.327	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	225839	51.784	ug/l	97
40) Benzene	8.32	78	474030	52.380	ug/l	99
41) Methacrylonitrile	7.49	41	47245	53.894	ug/l	98
42) 1,2-Dichloroethane	8.40	62	143032	52.315	ug/l	99
43) Isopropyl Acetate	8.43	43	152169	52.024	ug/l	98
44) Trichloroethene	9.09	130	143493	54.649	ug/l	97
45) 1,2-Dichloropropane	9.37	63	115904	51.166	ug/l	96
46) Dibromomethane	9.46	93	68498	55.018	ug/l	99
47) Bromodichloromethane	9.65	83	162108	51.743	ug/l	98
48) Methyl methacrylate	9.44	41	72189	51.809	ug/l	96
49) 1,4-Dioxane	9.45	88	23400	1237.367	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	389091	273.174	ug/l	98
52) Toluene	10.39	92	315041	52.990	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	165633	50.590	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	186678	50.722	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	95702	55.498	ug/l	97
56) Ethyl methacrylate	10.65	69	126273	54.330	ug/l	97
57) 1,3-Dichloropropane	10.93	76	156890	54.081	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	227094	240.134	ug/l	98
59) 2-Hexanone	10.97	43	277898	272.109	ug/l	97
60) Dibromochloromethane	11.13	129	121280	54.501	ug/l	100
61) 1,2-Dibromoethane	11.24	107	96547	56.029	ug/l	99
64) Tetrachloroethene	10.87	164	129292	54.993	ug/l	98
65) Chlorobenzene	11.66	112	362003	53.545	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	133069	53.699	ug/l	99
67) Ethyl Benzene	11.73	91	630664	52.813	ug/l	100
68) m/p-Xylenes	11.84	106	498782	106.881	ug/l	99
69) o-Xylene	12.17	106	237200	53.092	ug/l	100
70) Styrene	12.18	104	398792	53.799	ug/l	98
71) Bromoform	12.35	173	81277	55.062	ug/l #	100
73) Isopropylbenzene	12.47	105	671379	50.921	ug/l	100
74) N-amyl acetate	12.27	43	155895	49.786	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	115702	53.540	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	154515	95.814	ug/l #	100
77) Bromobenzene	12.75	156	166603	53.335	ug/l	95
78) n-propylbenzene	12.81	91	781545	50.391	ug/l	99
79) 2-Chlorotoluene	12.90	91	440317	50.292	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	567105	50.947	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	36263	47.471	ug/l	99
82) 4-Chlorotoluene	12.99	91	469812	51.002	ug/l	98
83) tert-Butylbenzene	13.21	119	512205	51.736	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	580174	51.671	ug/l	100
85) sec-Butylbenzene	13.39	105	722423	51.984	ug/l	100
86) p-Isopropyltoluene	13.51	119	655036	52.414	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	329984	53.173	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	331065	53.685	ug/l	99
89) n-Butylbenzene	13.83	91	609198	51.713	ug/l	99
90) Hexachloroethane	14.10	117	116571	49.595	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	298141	54.112	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21771	54.058	ug/l	97

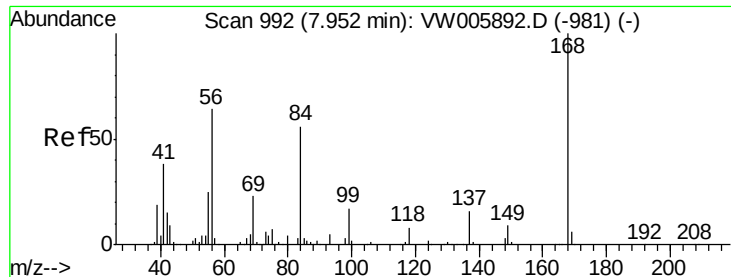
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	227652	53.288	ug/l	99
94) Hexachlorobutadiene	15.24	225	139737	52.404	ug/l	100
95) Naphthalene	15.38	128	412661	56.040	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	198854	53.758	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

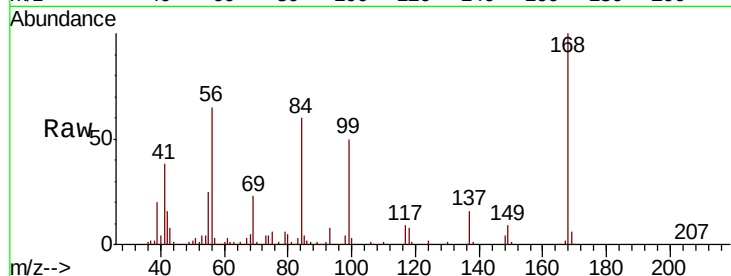
VSTDCCC050

Tgt Ion:168 Resp: 237549

Ion Ratio Lower Upper

168 100

99 49.7 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

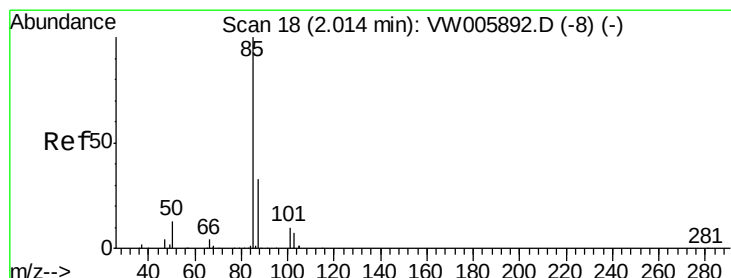
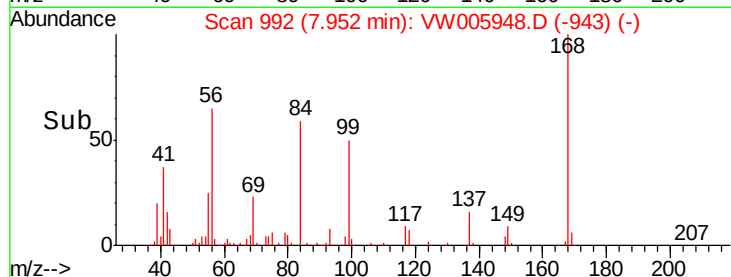
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.986 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW005948.D

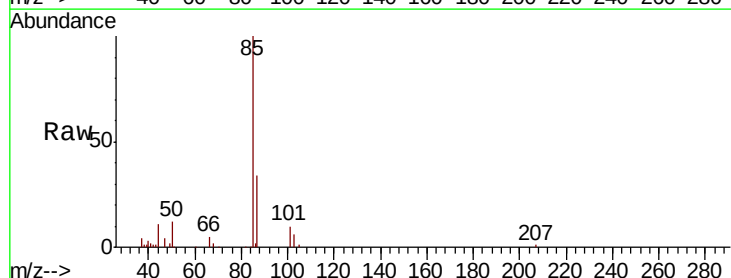
Acq: 09 Oct 2018 19:46

Tgt Ion: 85 Resp: 55860

Ion Ratio Lower Upper

85 100

87 34.1 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

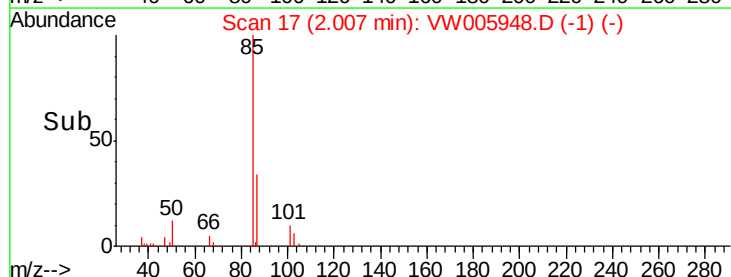
10000

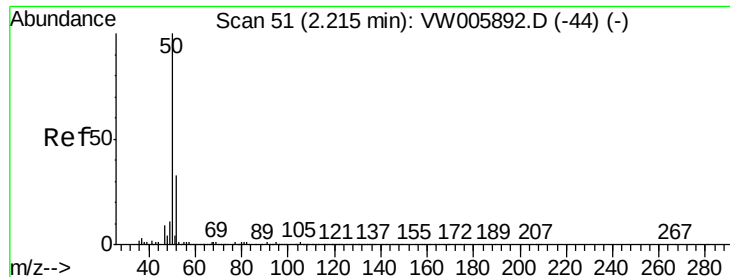
5000

0

1.90 2.00 2.10

Time-->

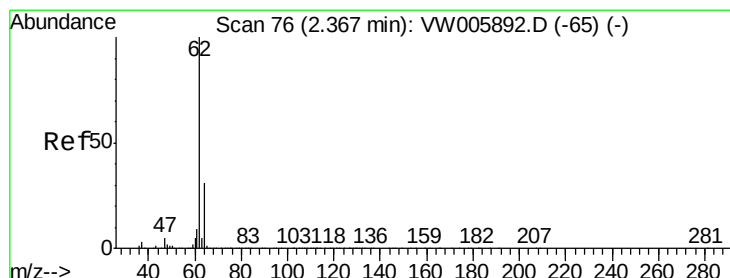
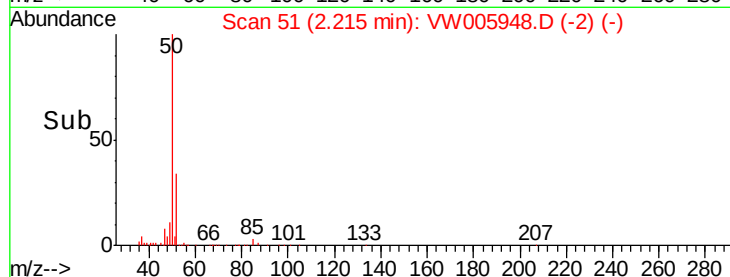
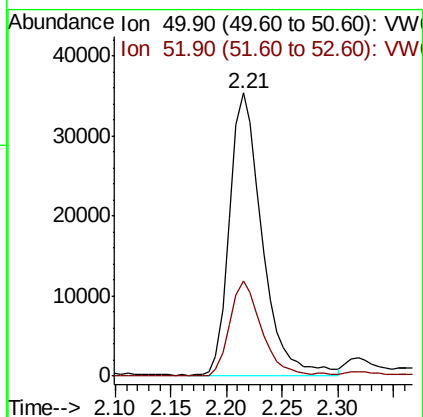
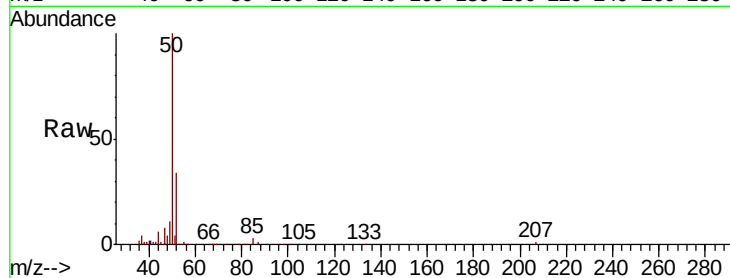




#3
Chloromethane
Concen: 52.190 ug/l
RT: 2.21 min Scan# 51
Delta R.T. 0.00 min
Lab File: VW005948.D
Acq: 09 Oct 2018 19:46

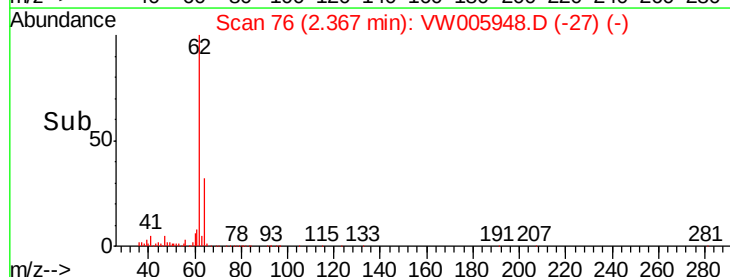
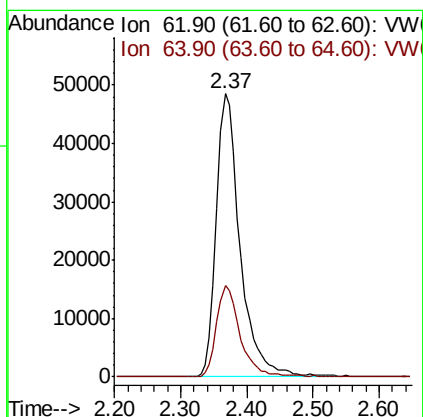
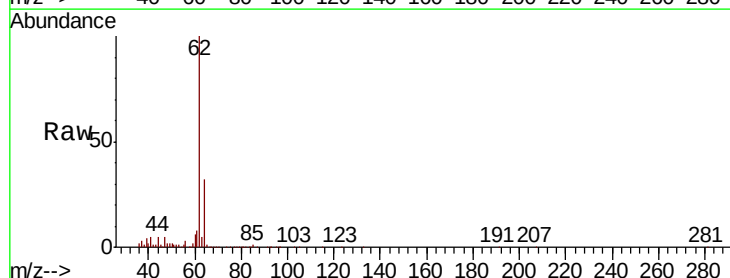
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

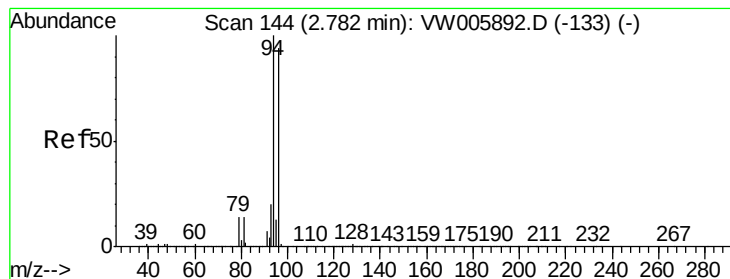
Tgt Ion: 50 Resp: 71463
Ion Ratio Lower Upper
50 100
52 33.8 26.7 40.1



#4
Vinyl Chloride
Concen: 55.579 ug/l
RT: 2.37 min Scan# 76
Delta R.T. 0.00 min
Lab File: VW005948.D
Acq: 09 Oct 2018 19:46

Tgt Ion: 62 Resp: 120819
Ion Ratio Lower Upper
62 100
64 32.1 24.6 36.8





#5

Bromomethane

Concen: 58.315 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

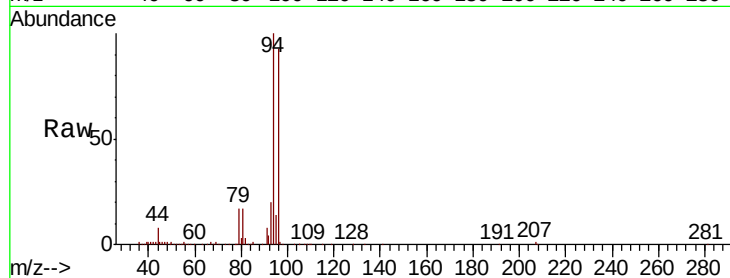
VSTDCCC050

Tgt Ion: 94 Resp: 100048

Ion Ratio Lower Upper

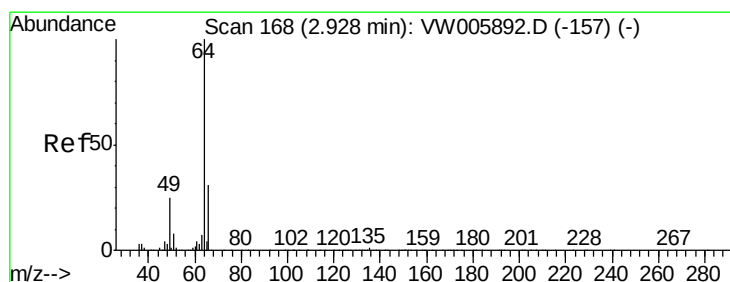
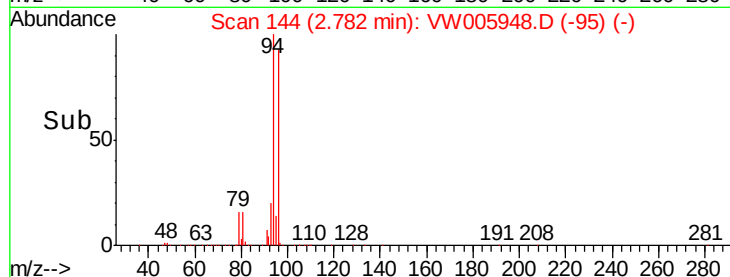
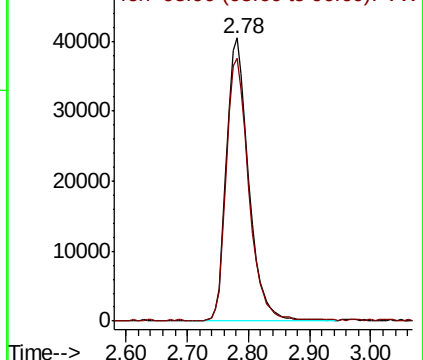
94 100

96 92.9 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 57.574 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW005948.D

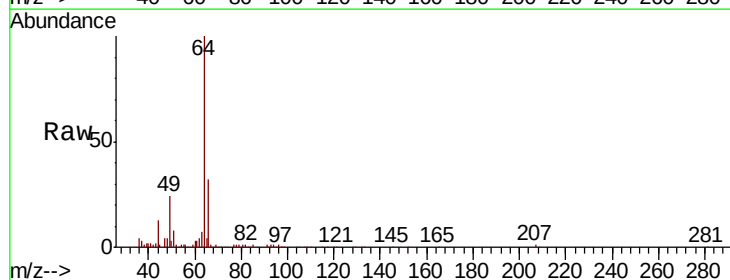
Acq: 09 Oct 2018 19:46

Tgt Ion: 64 Resp: 79740

Ion Ratio Lower Upper

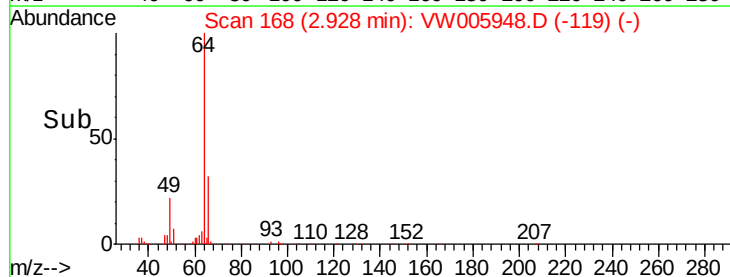
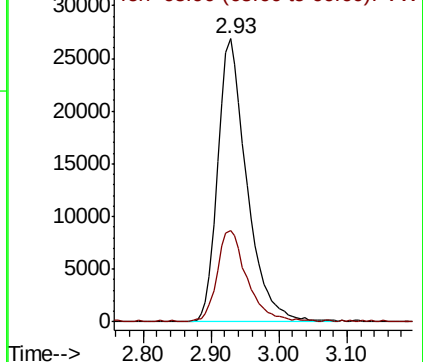
64 100

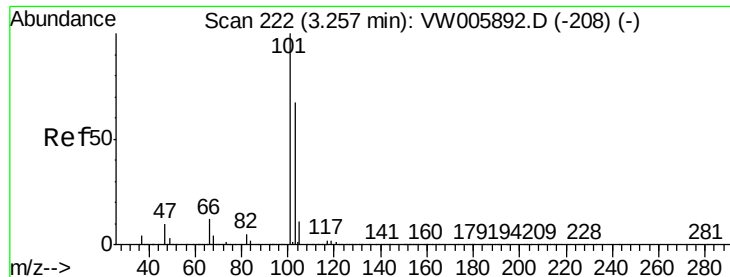
66 32.0 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



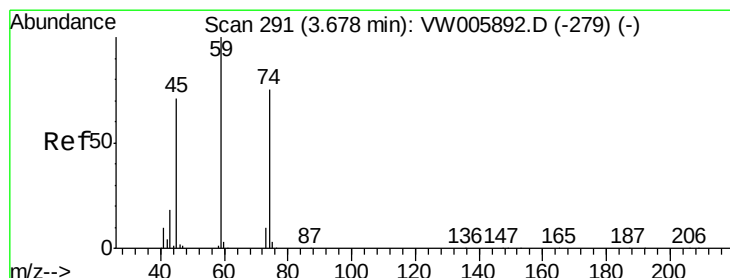
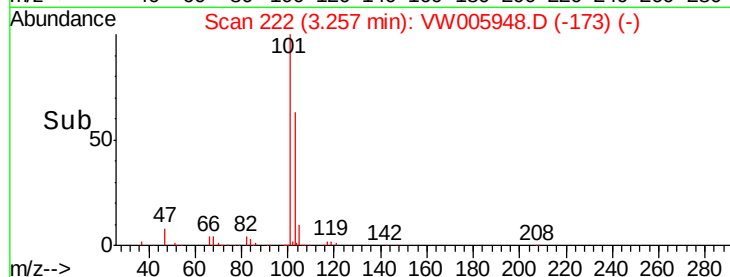
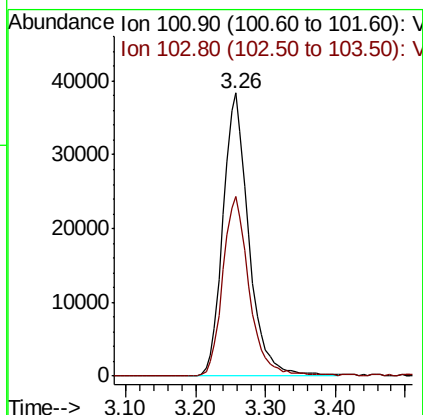
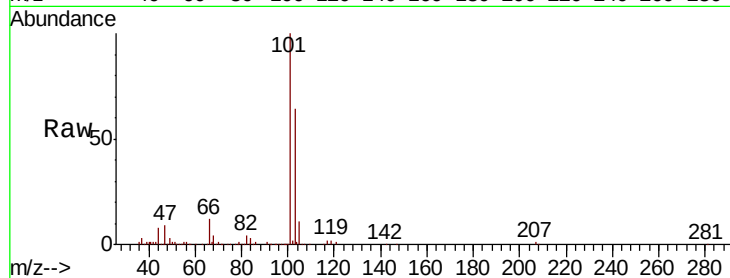


#7

Trichlorofluoromethane
 Concen: 57.163 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

Instrument :
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 VSTDCCC050

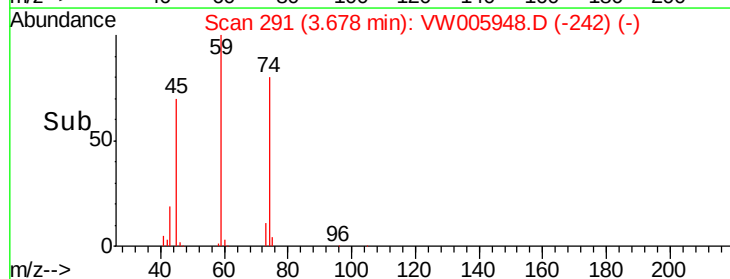
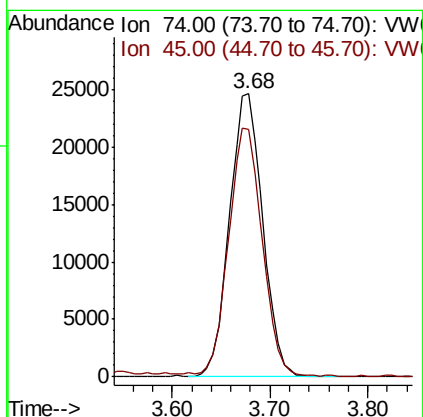
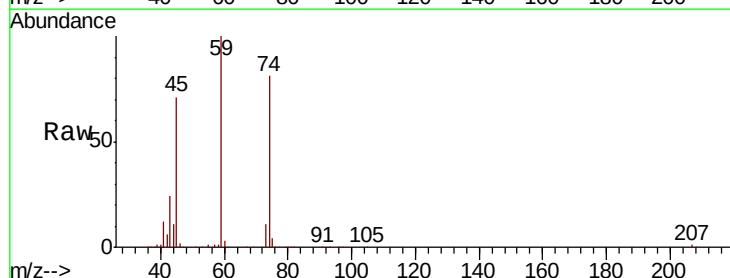
Tgt Ion:101 Resp: 98639
 Ion Ratio Lower Upper
 101 100
 103 63.6 53.5 80.3

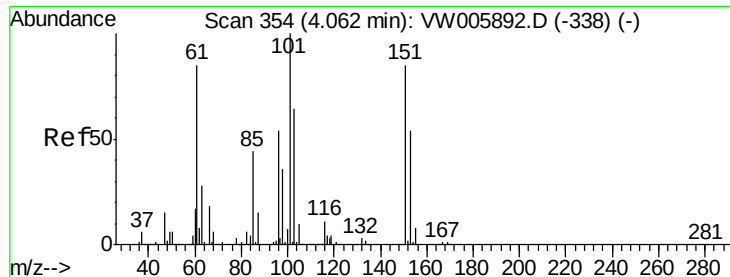


#8

Diethyl Ether
 Concen: 54.654 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

Tgt Ion: 74 Resp: 58041
 Ion Ratio Lower Upper
 74 100
 45 88.7 46.8 140.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.952 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

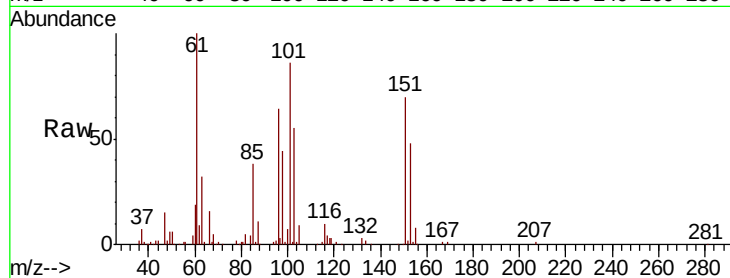
Tgt Ion:101 Resp: 113132

Ion Ratio Lower Upper

101 100

85 44.1 35.1 52.7

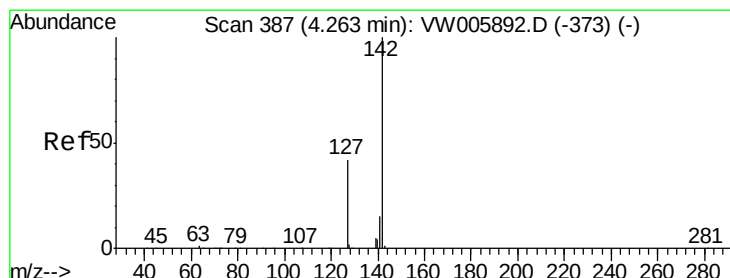
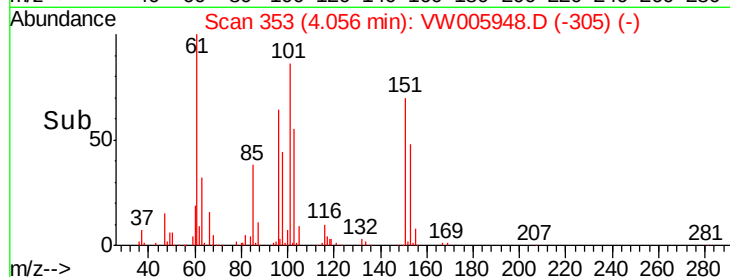
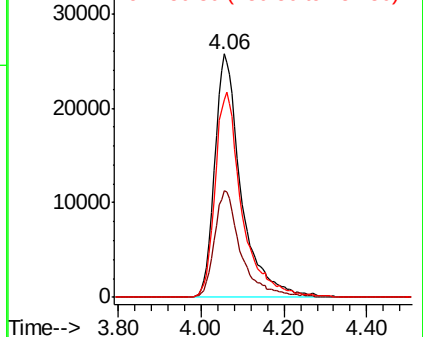
151 85.1 67.7 101.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.421 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

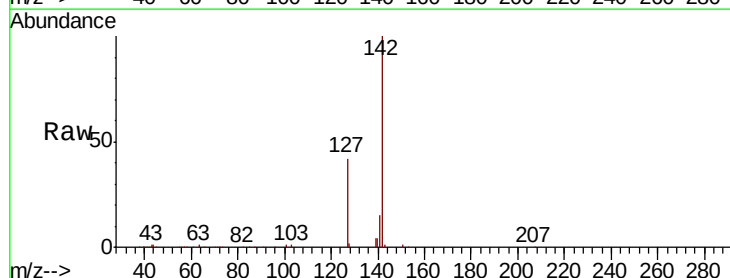
Tgt Ion:142 Resp: 186690

Ion Ratio Lower Upper

142 100

127 41.7 33.7 50.5

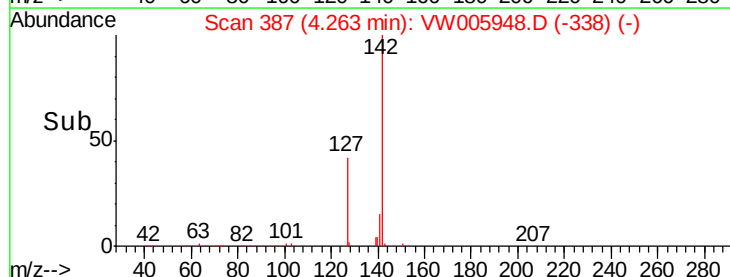
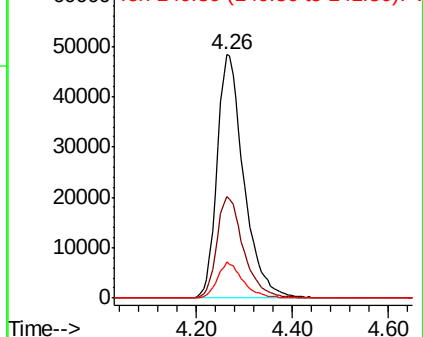
141 14.0 11.5 17.3

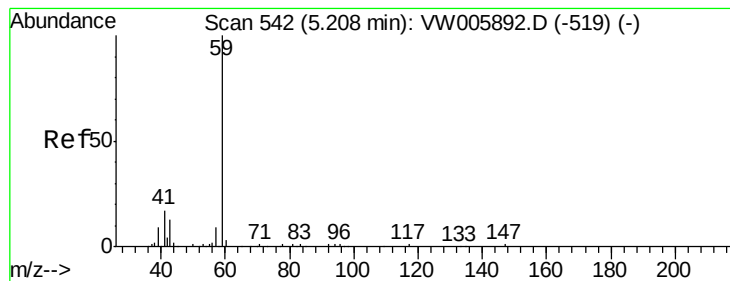


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



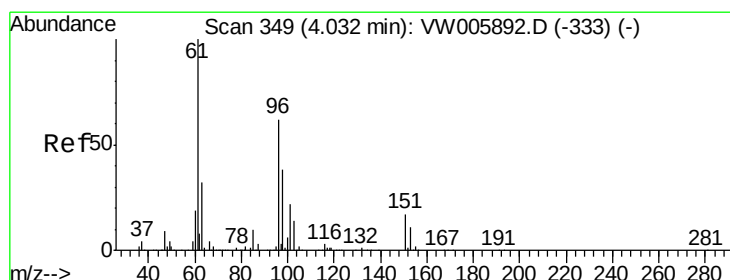
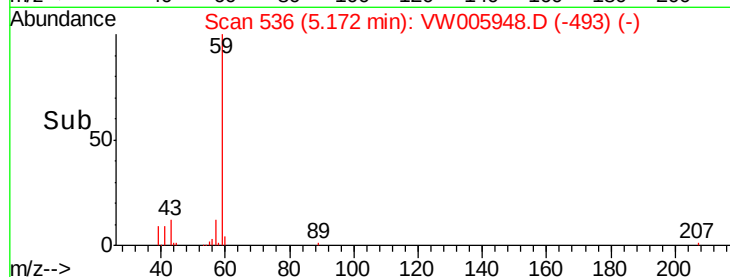
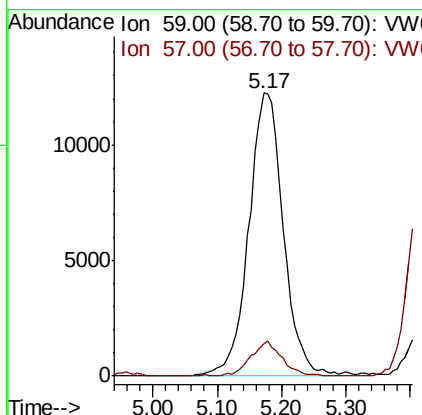
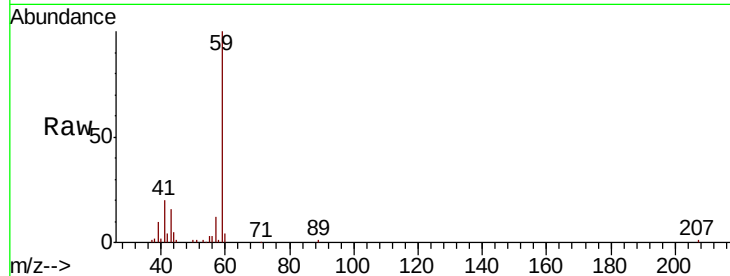


#11

Tert butyl alcohol
 Concen: 267.349 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.04 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

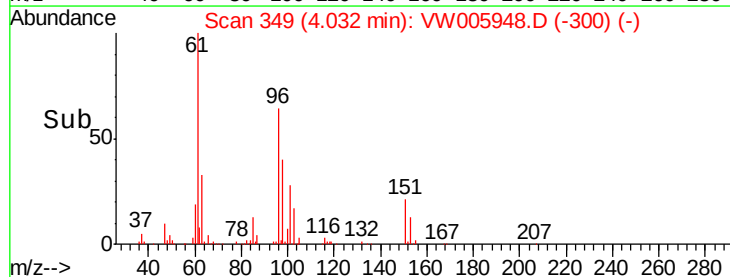
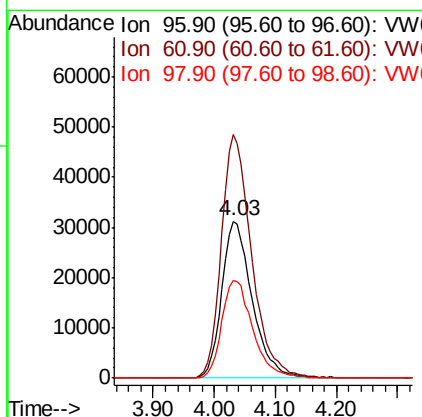
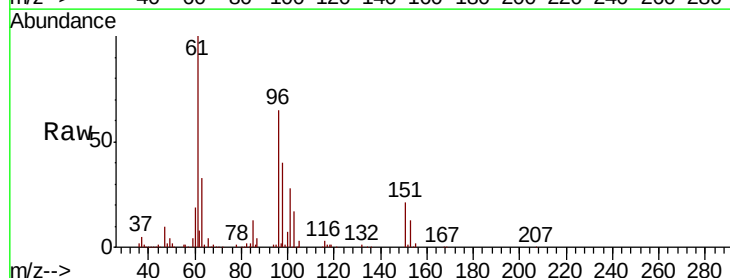
Tgt Ion: 59 Resp: 45184
 Ion Ratio Lower Upper
 59 100
 57 11.1 7.7 11.5

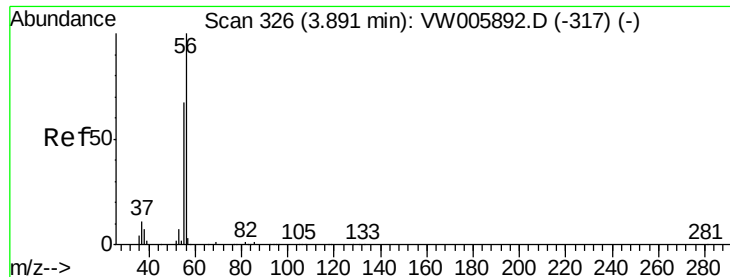


#12

1,1-Dichloroethene
 Concen: 51.422 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

Tgt Ion: 96 Resp: 107532
 Ion Ratio Lower Upper
 96 100
 61 154.9 128.6 193.0
 98 61.8 49.4 74.0





#13

Acrolein

Concen: 281.683 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

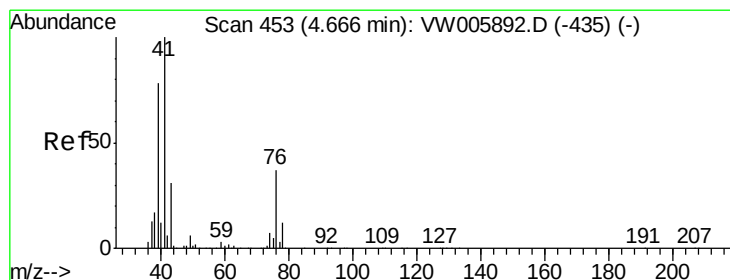
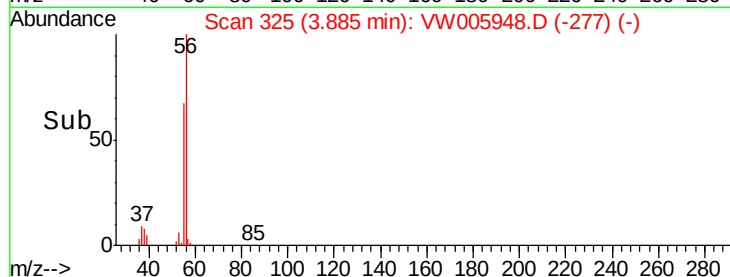
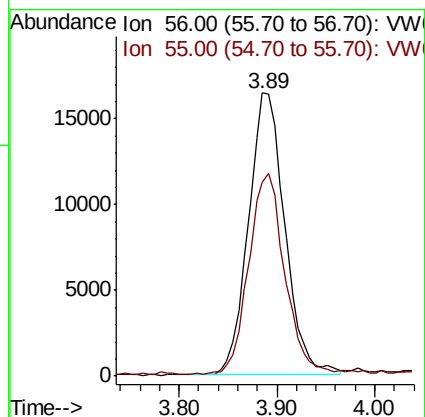
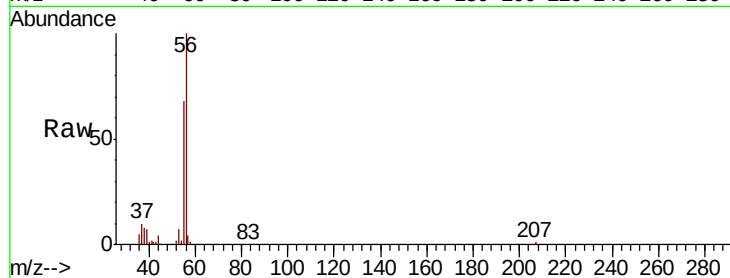
VSTDCCC050

Tgt Ion: 56 Resp: 42424

Ion Ratio Lower Upper

56 100

55 70.9 54.6 82.0



#14

Allyl chloride

Concen: 45.142 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

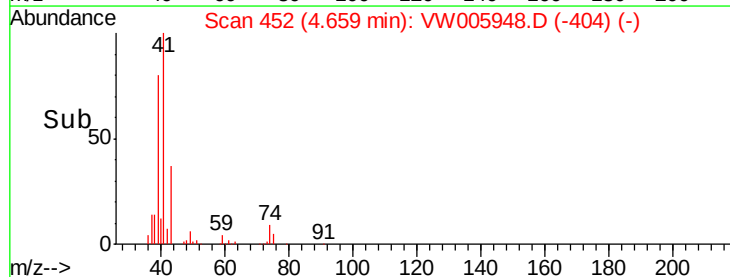
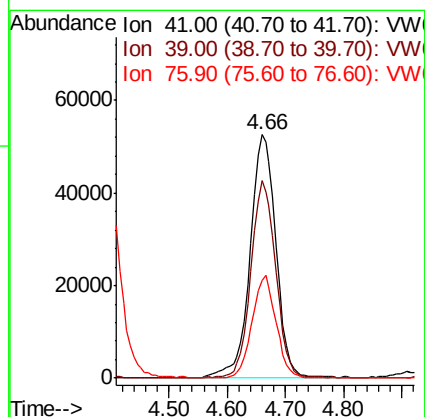
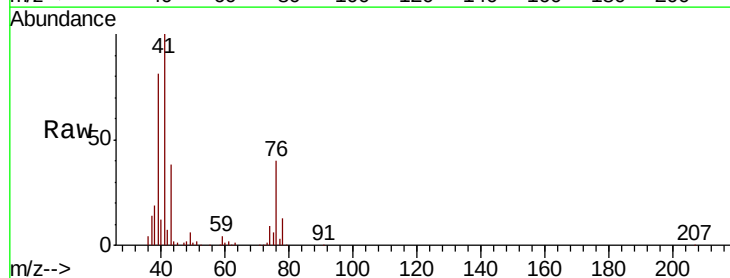
Tgt Ion: 41 Resp: 160979

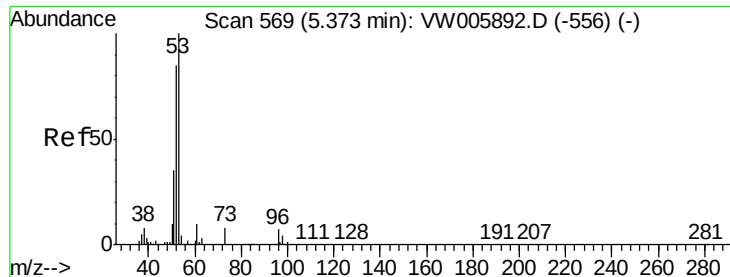
Ion Ratio Lower Upper

41 100

39 77.8 60.8 91.2

76 39.2 29.6 44.4





#15

Acrylonitrile

Concen: 274.940 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

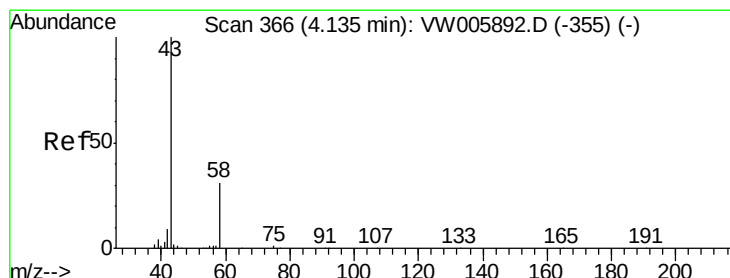
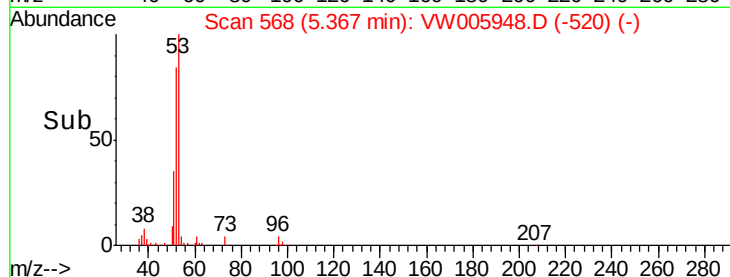
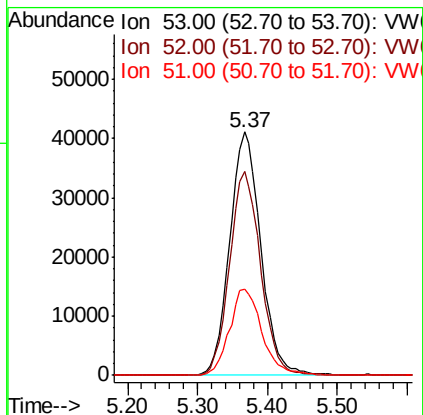
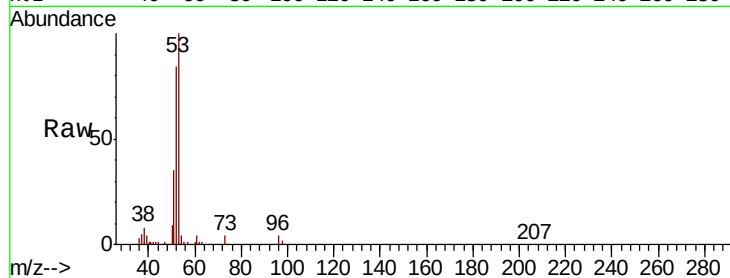
Tgt Ion: 53 Resp: 127069

Ion Ratio Lower Upper

53 100

52 83.5 66.8 100.2

51 37.0 29.8 44.6



#16

Acetone

Concen: 256.413 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005948.D

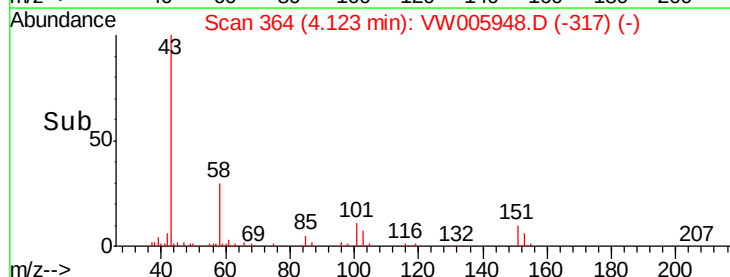
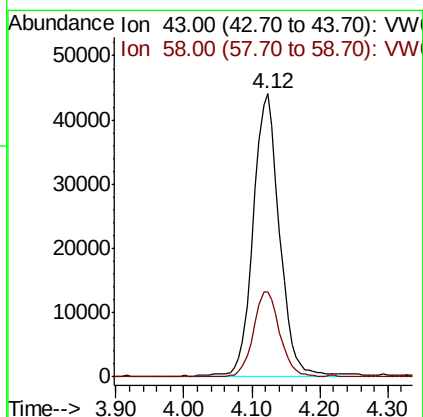
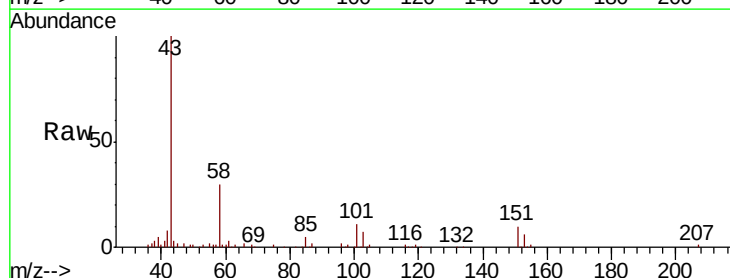
Acq: 09 Oct 2018 19:46

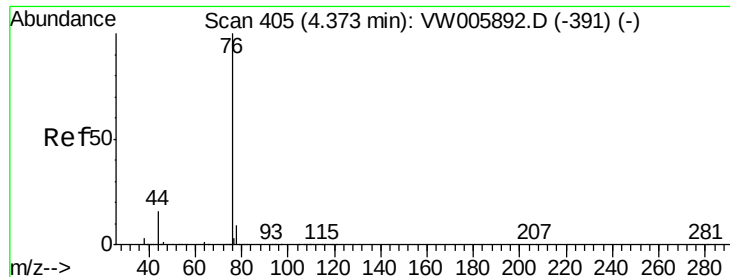
Tgt Ion: 43 Resp: 118109

Ion Ratio Lower Upper

43 100

58 30.1 24.7 37.1





#17

Carbon Disulfide

Concen: 49.903 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :

MSVOA_W

ClientSampled :

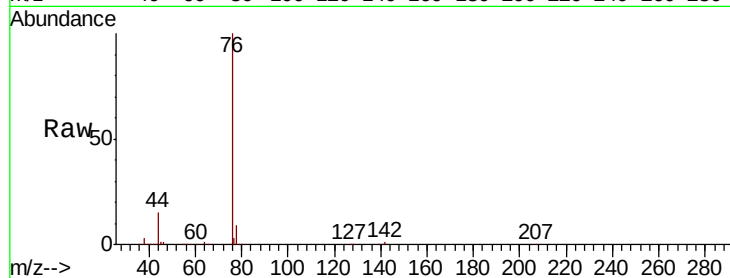
VSTDCCC050

Tgt Ion: 76 Resp: 315493

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

100000

80000

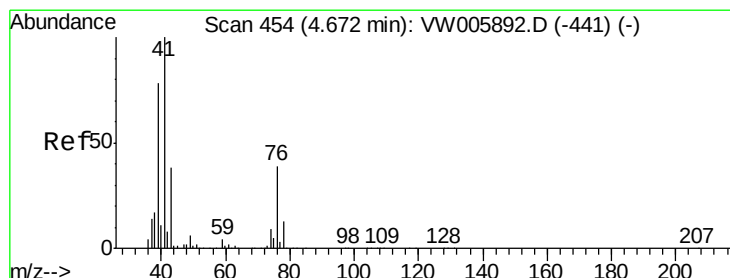
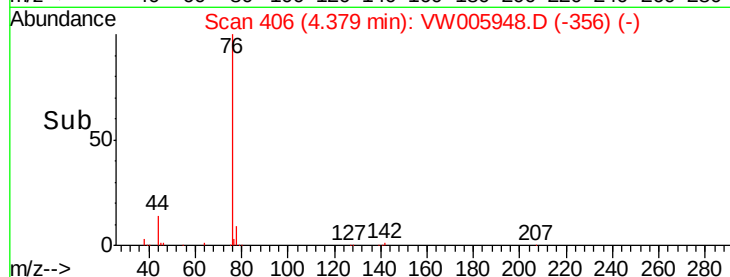
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 55.552 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW005948.D

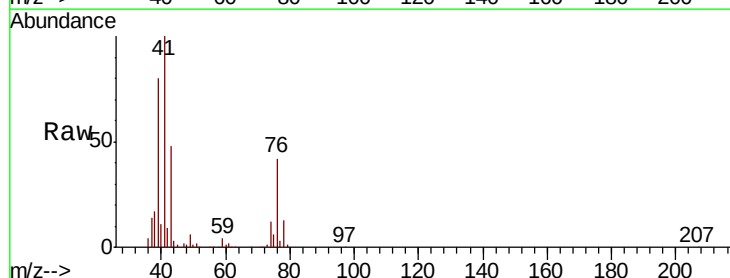
Acq: 09 Oct 2018 19:46

Tgt Ion: 43 Resp: 64573

Ion Ratio Lower Upper

43 100

74 24.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

25000

20000

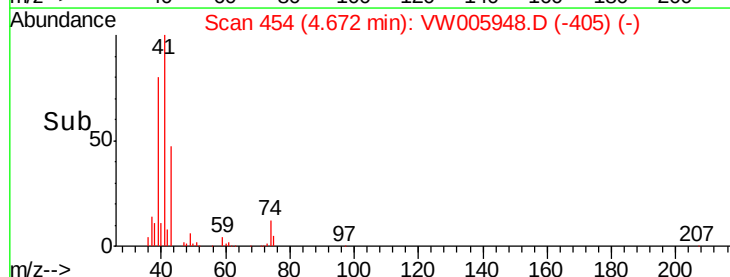
15000

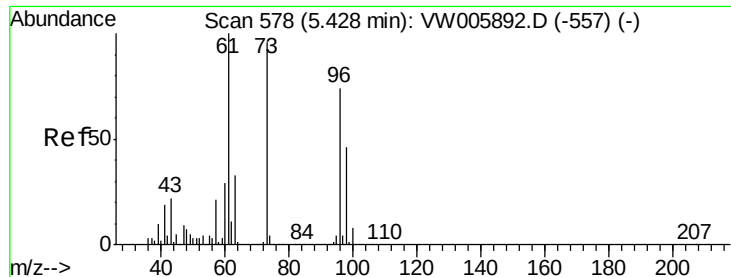
10000

5000

0

Time-->

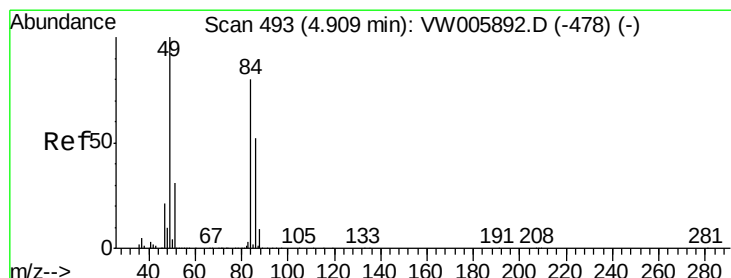
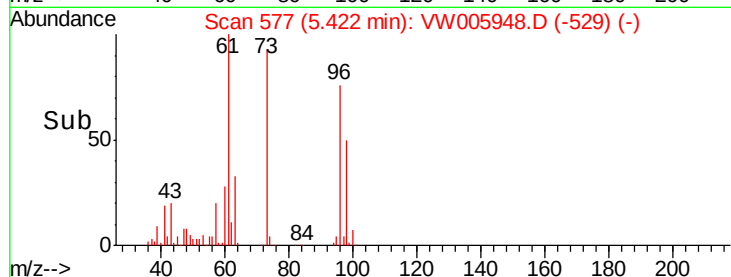
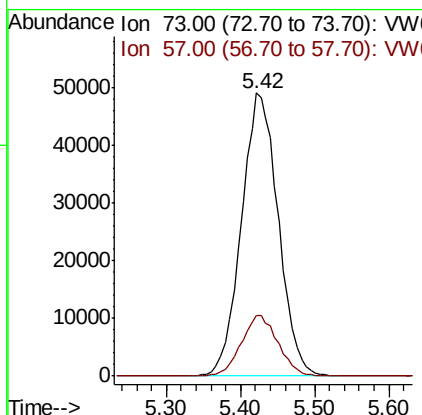
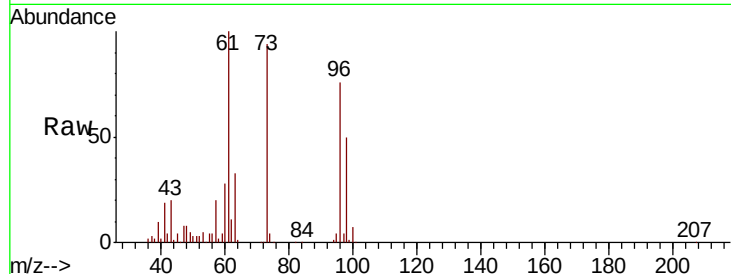




#19
Methyl tert-butyl Ether
Concen: 52.350 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW005948.D
Acq: 09 Oct 2018 19:46

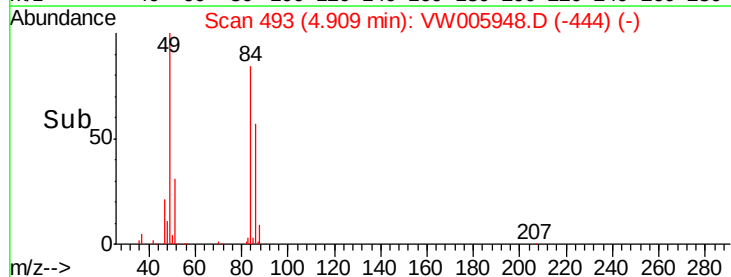
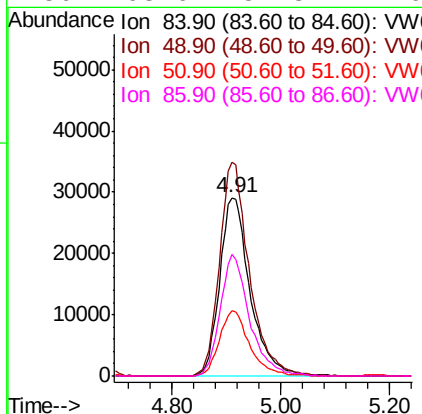
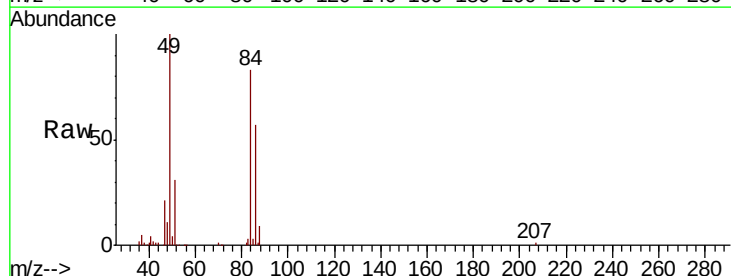
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

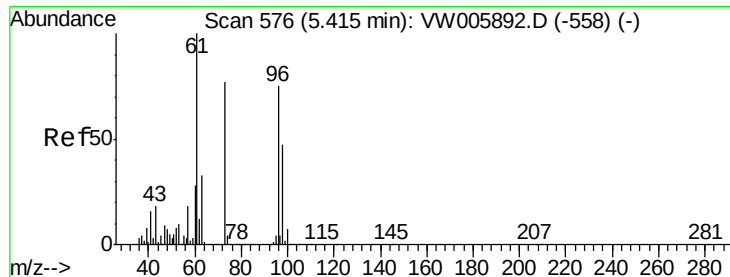
Tgt Ion: 73 Resp: 170312
Ion Ratio Lower Upper
73 100
57 21.4 17.7 26.5



#20
Methylene Chloride
Concen: 48.942 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW005948.D
Acq: 09 Oct 2018 19:46

Tgt Ion: 84 Resp: 112947
Ion Ratio Lower Upper
84 100
49 120.0 99.9 149.9
51 36.9 31.1 46.7
86 68.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 52.969 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

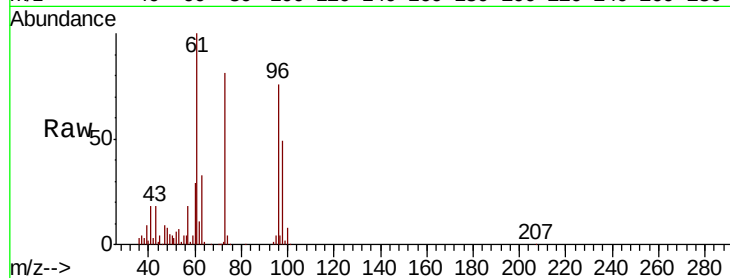
Tgt Ion: 96 Resp: 120728

Ion Ratio Lower Upper

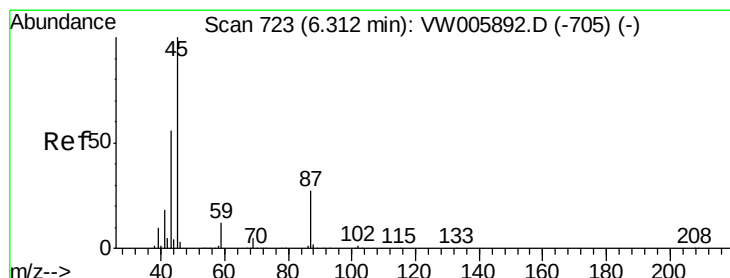
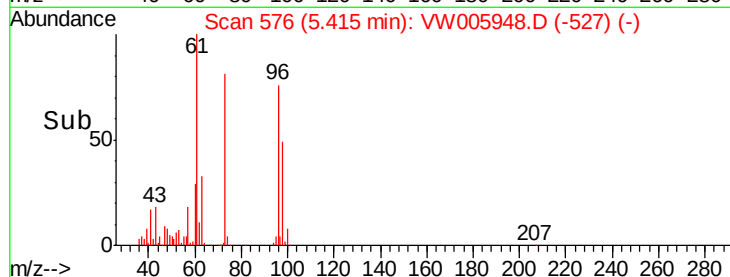
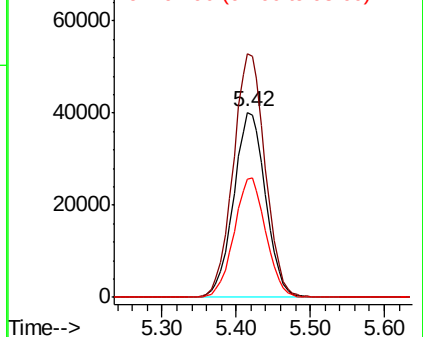
96 100

61 131.4 107.4 161.0

98 63.8 50.8 76.2



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



#22

Diisopropyl ether

Concen: 48.338 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Tgt Ion: 45 Resp: 322238

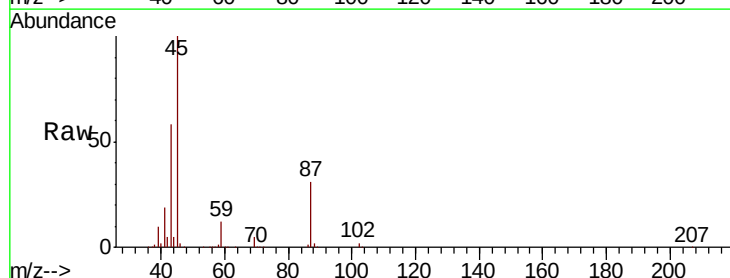
Ion Ratio Lower Upper

45 100

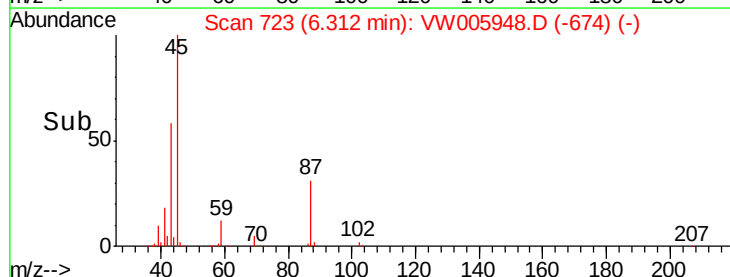
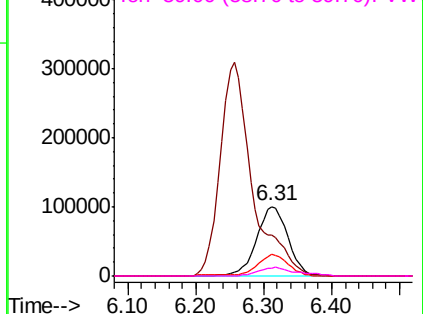
43 58.1 45.9 68.9

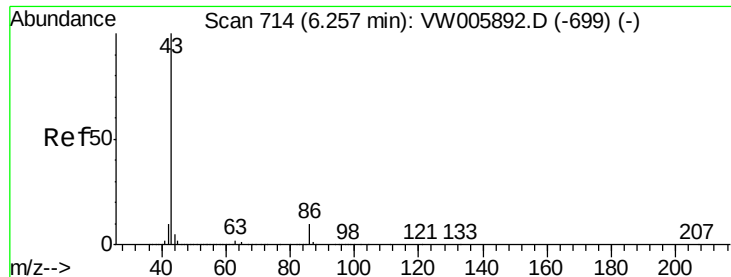
87 31.0 22.2 33.4

59 11.5 9.4 14.0



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





#23

Vinyl Acetate

Concen: 248.578 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

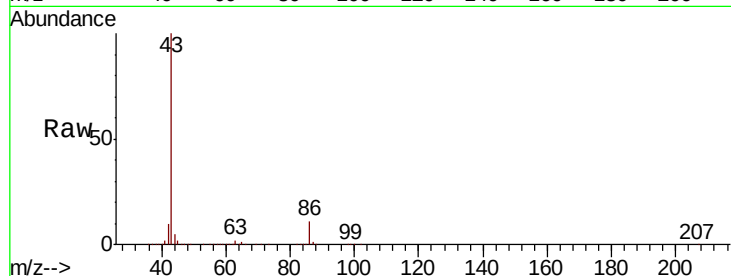
VSTDCCC050

Tgt Ion: 43 Resp: 1019936

Ion Ratio Lower Upper

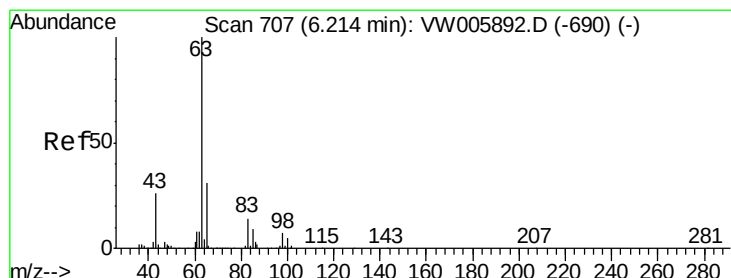
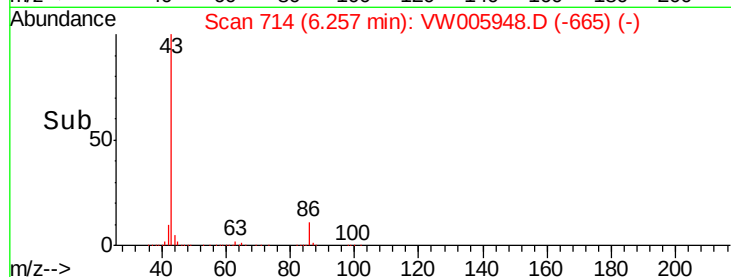
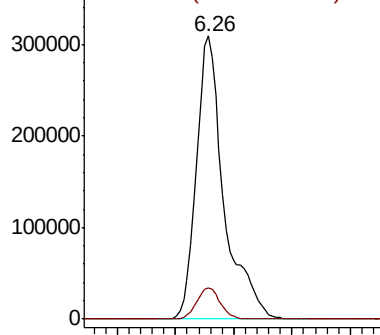
43 100

86 11.0 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 49.805 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

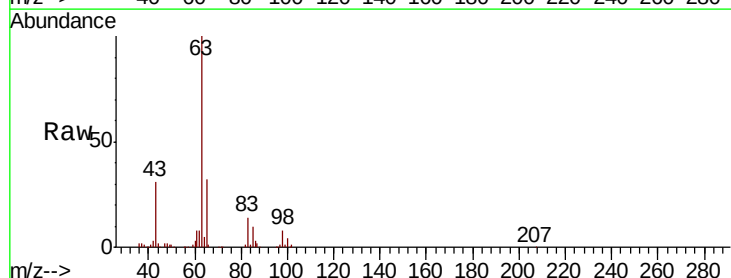
Tgt Ion: 63 Resp: 203182

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.6

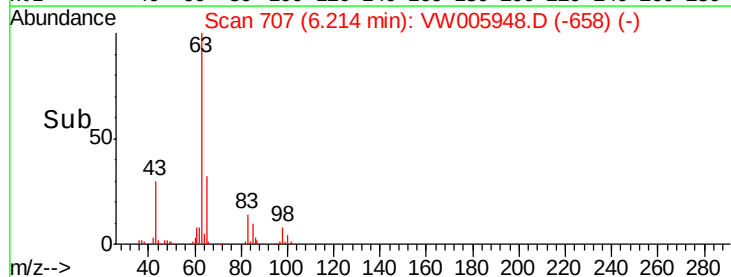
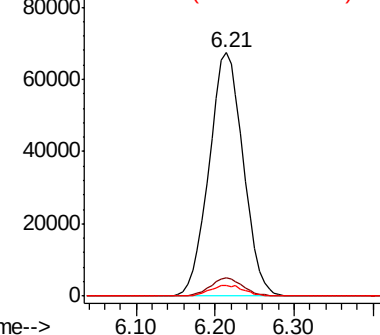
100 4.5 2.4 7.1

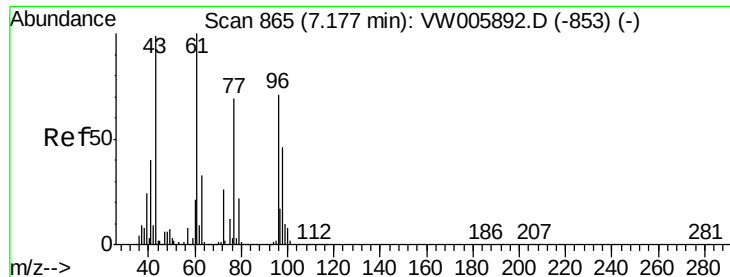


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 265.160 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

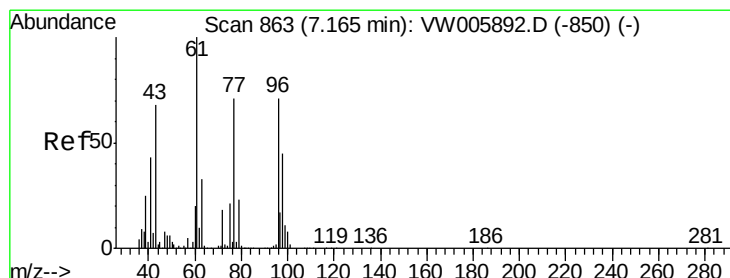
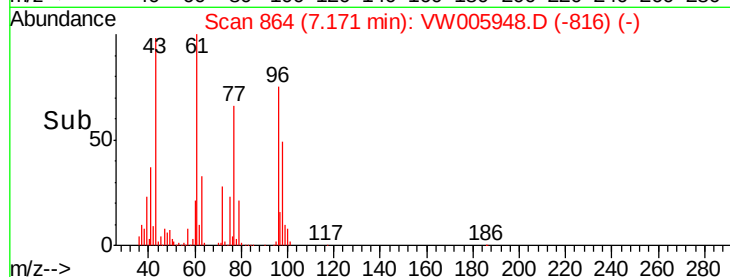
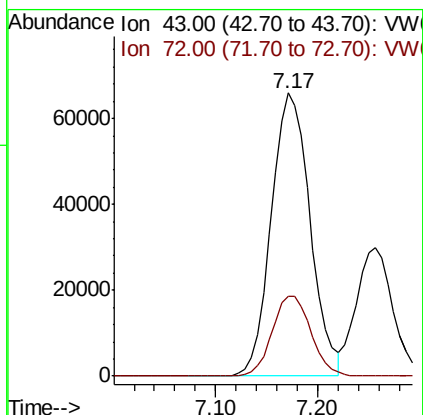
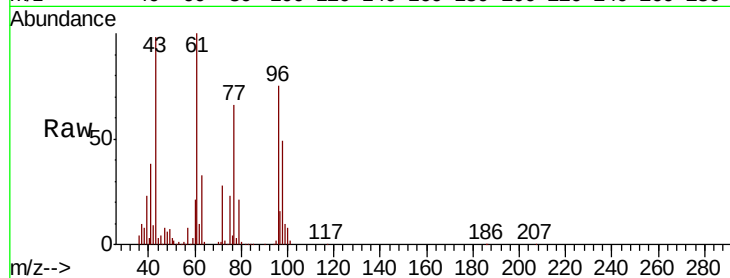
VSTDCCC050

Tgt Ion: 43 Resp: 173720

Ion Ratio Lower Upper

43 100

72 28.2 21.0 31.4



#26

2,2-Dichloropropane

Concen: 46.011 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW005948.D

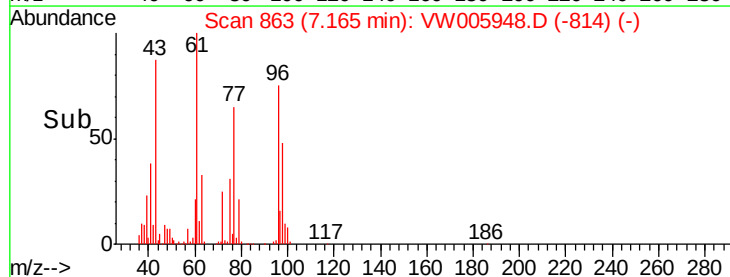
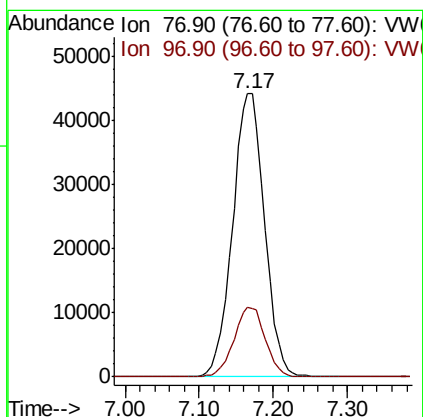
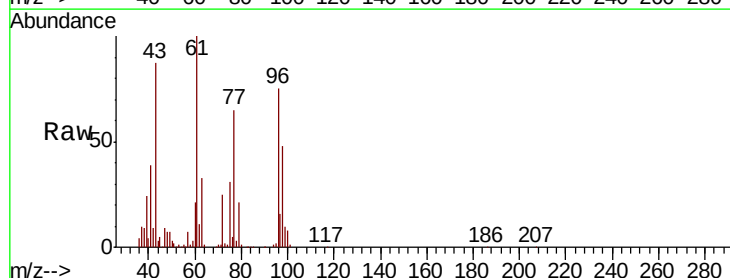
Acq: 09 Oct 2018 19:46

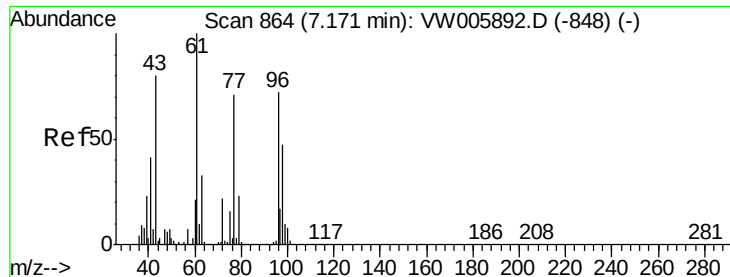
Tgt Ion: 77 Resp: 132102

Ion Ratio Lower Upper

77 100

97 24.1 11.9 35.7



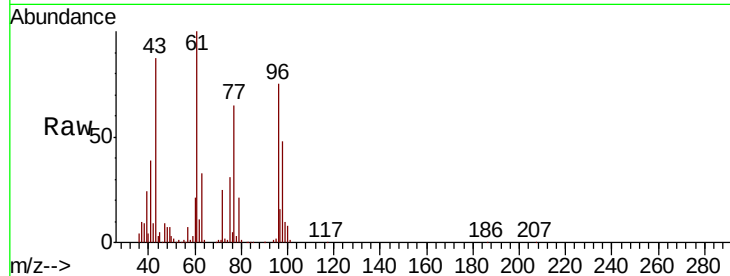


#27

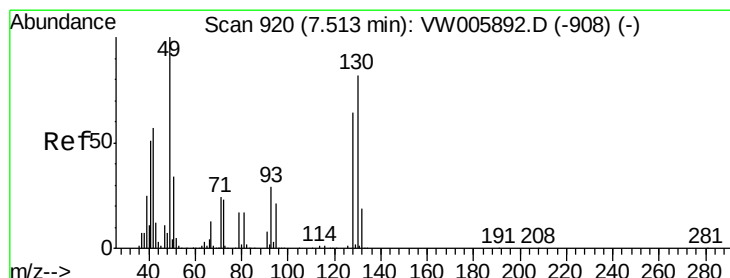
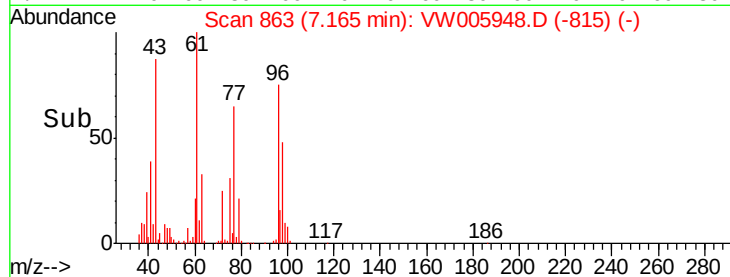
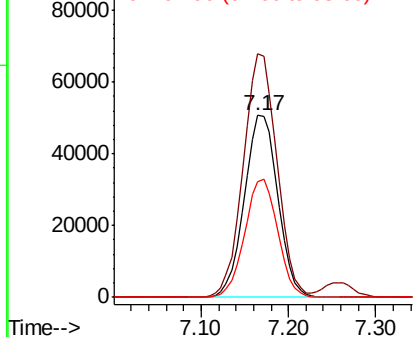
cis-1,2-Dichloroethene
 Concen: 52.425 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 96 Resp: 135129
 Ion Ratio Lower Upper
 96 100
 61 134.4 0.0 284.0
 98 64.1 0.0 129.8



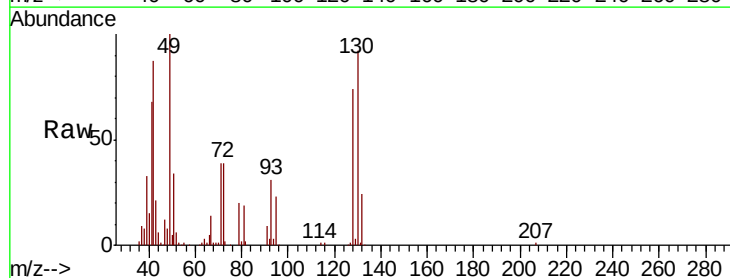
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



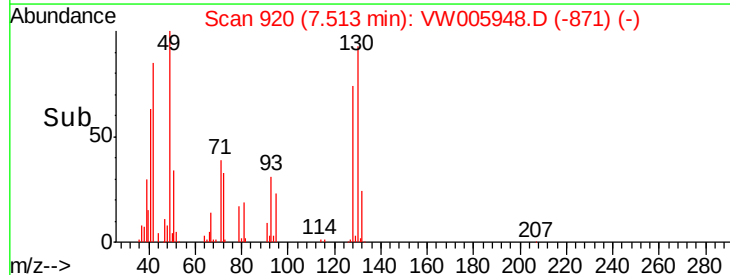
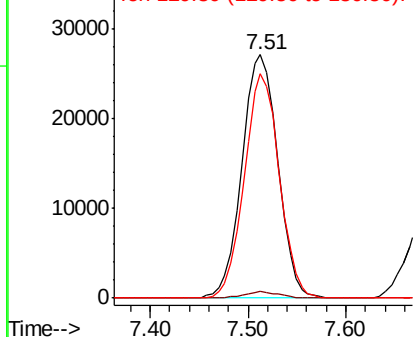
#28

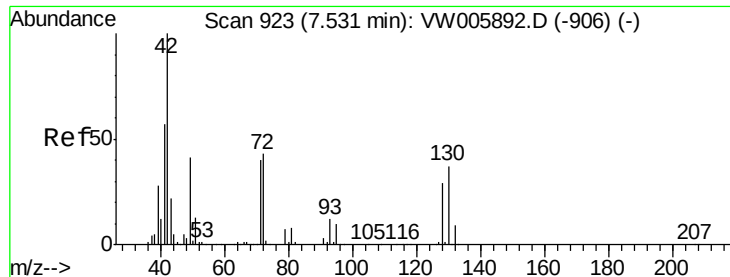
Bromochloromethane
 Concen: 45.860 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

Tgt Ion: 49 Resp: 69059
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 5.0
 130 89.7 66.9 100.3



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

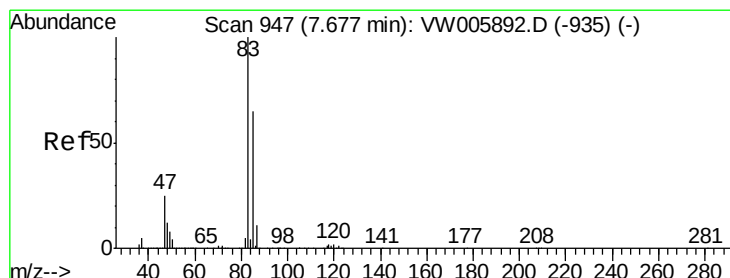
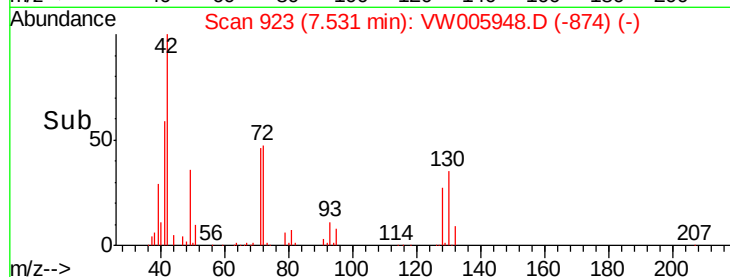
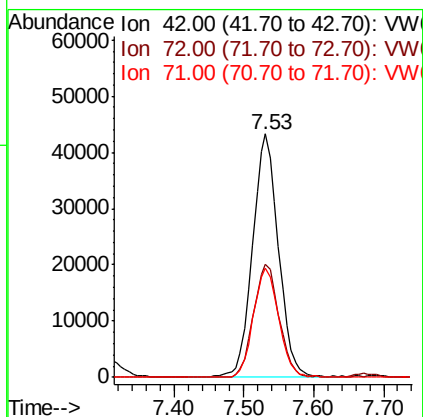
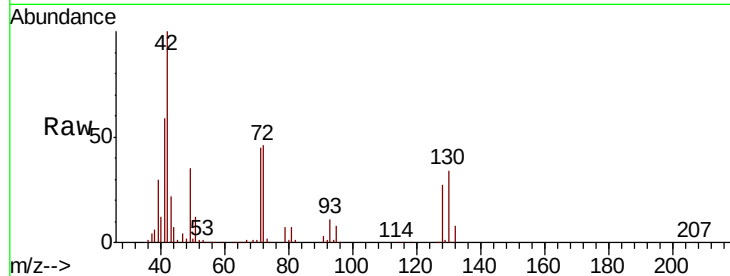




#29
Tetrahydrofuran
Concen: 267.953 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW005948.D
Acq: 09 Oct 2018 19:46

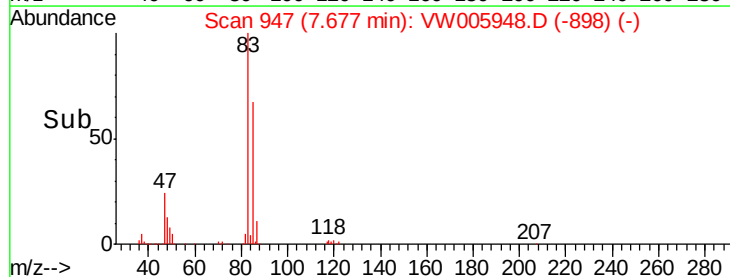
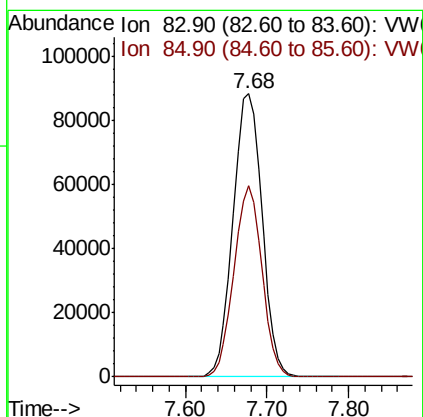
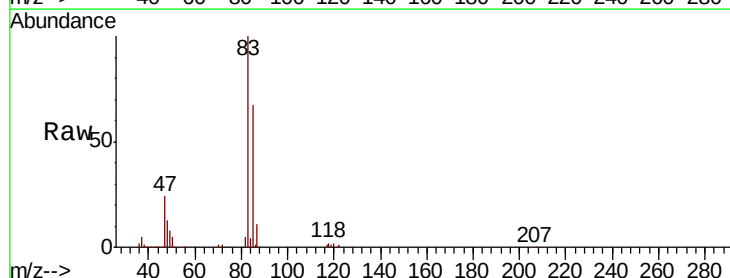
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

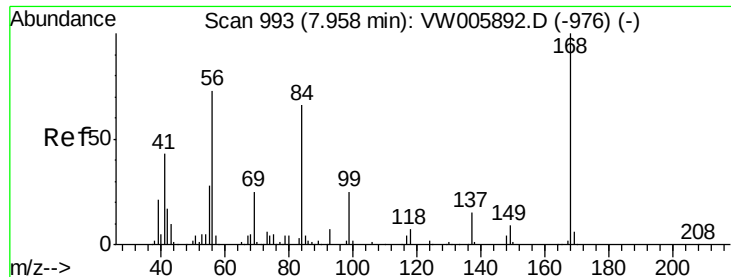
Tgt Ion: 42 Resp: 110973
Ion Ratio Lower Upper
42 100
72 46.0 34.6 51.8
71 44.1 32.6 49.0



#30
Chloroform
Concen: 51.932 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW005948.D
Acq: 09 Oct 2018 19:46

Tgt Ion: 83 Resp: 217612
Ion Ratio Lower Upper
83 100
85 67.5 51.6 77.4

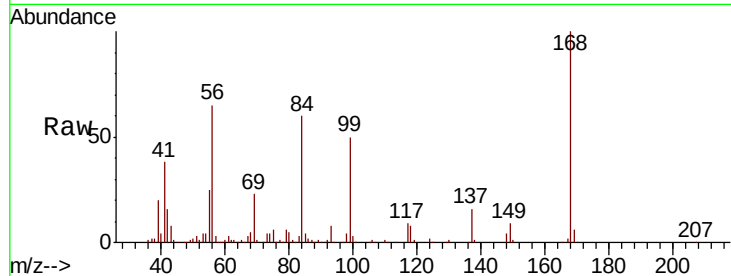




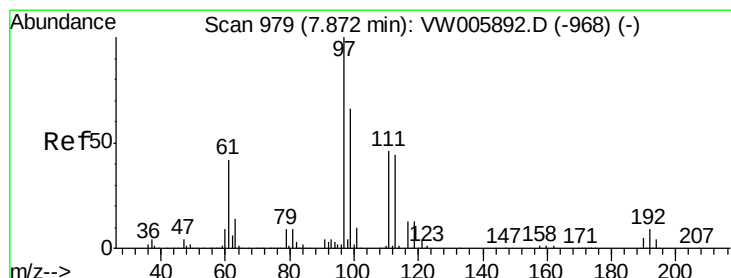
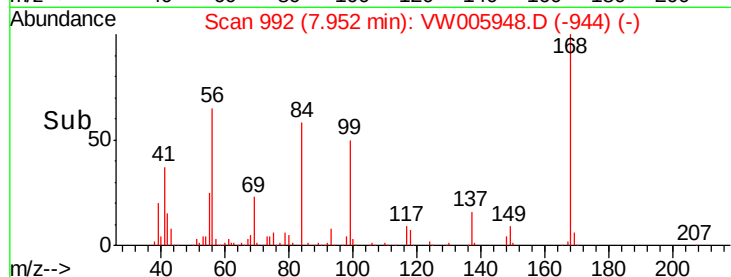
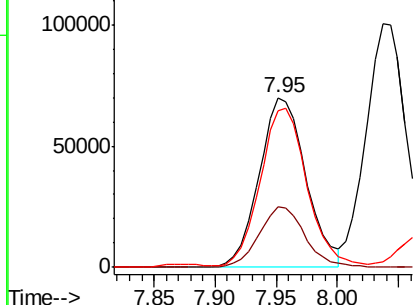
#31
Cyclohexane
Concen: 46.191 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005948.D
Acq: 09 Oct 2018 19:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 186483
Ion Ratio Lower Upper
56 100
69 35.7 27.9 41.9
84 90.7 72.3 108.5

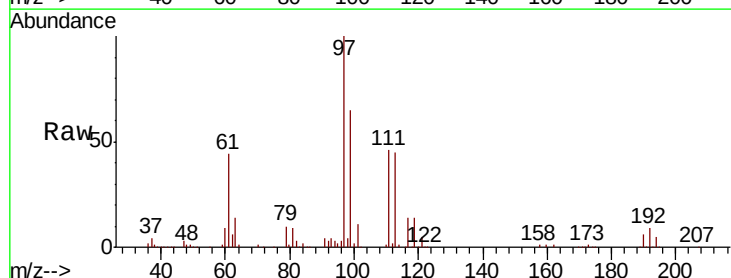


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

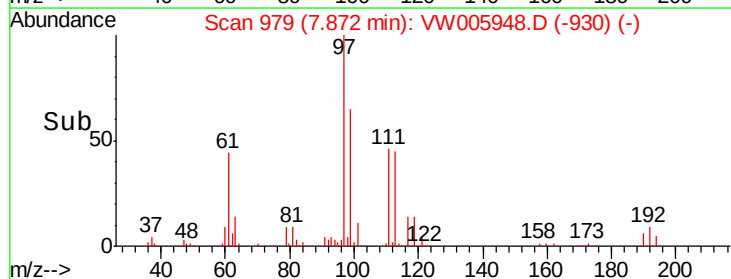
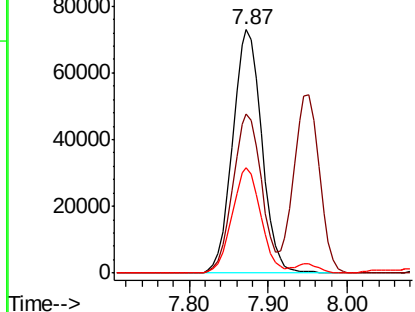


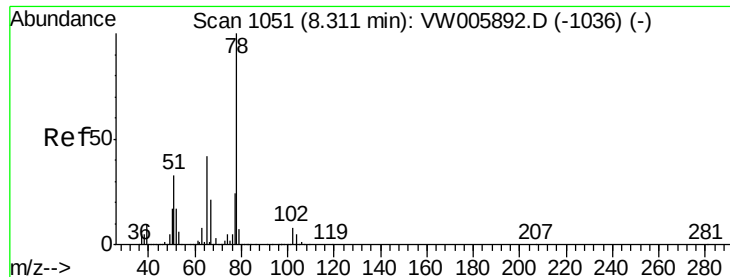
#32
1,1,1-Trichloroethane
Concen: 50.133 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW005948.D
Acq: 09 Oct 2018 19:46

Tgt Ion: 97 Resp: 187082
Ion Ratio Lower Upper
97 100
99 64.2 51.6 77.4
61 42.8 34.5 51.7



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

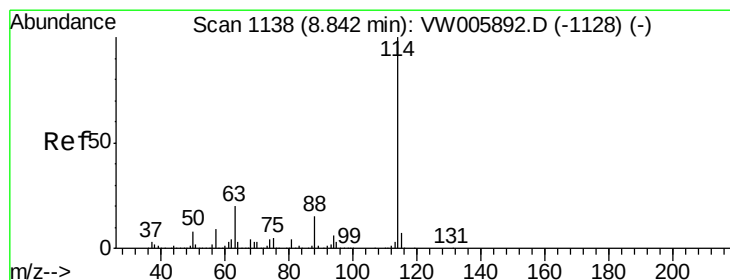
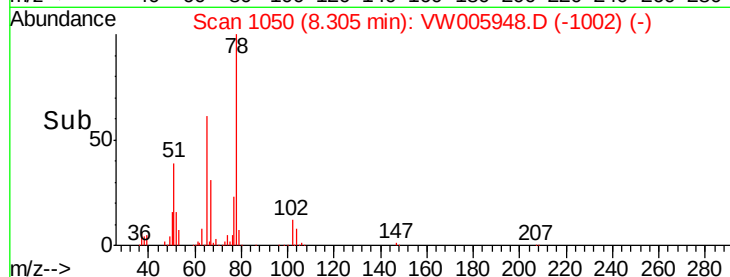
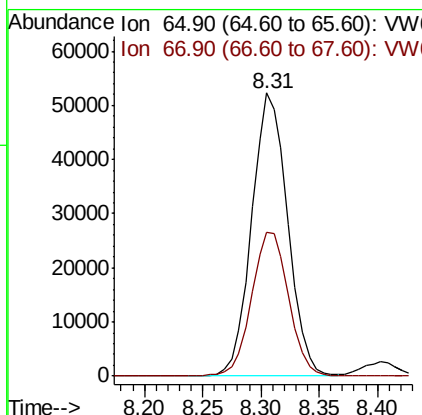
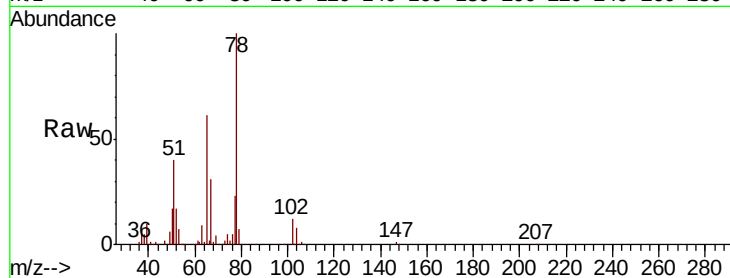




#33
 1,2-Dichloroethane-d4
 Concen: 48.846 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

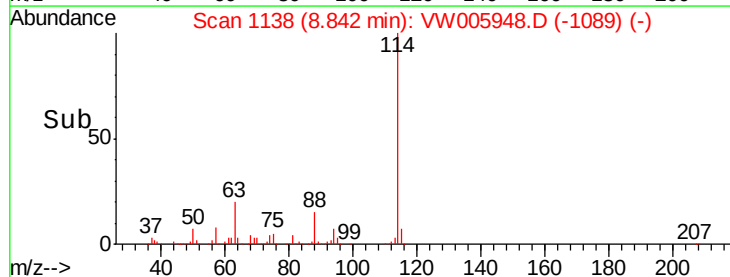
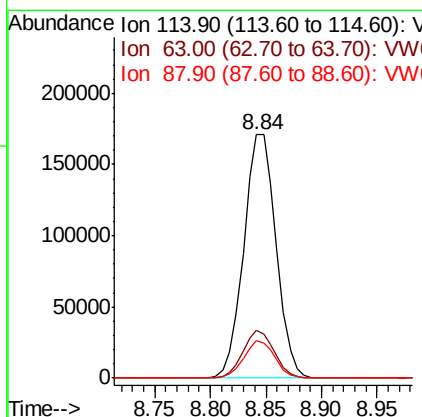
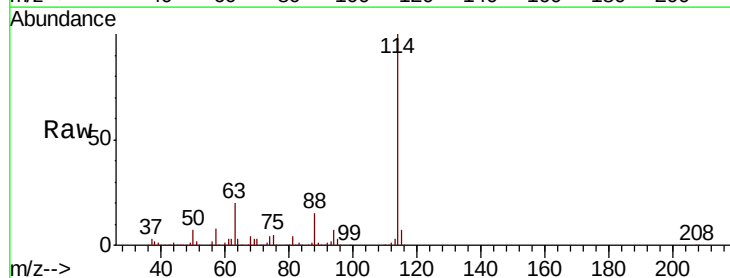
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

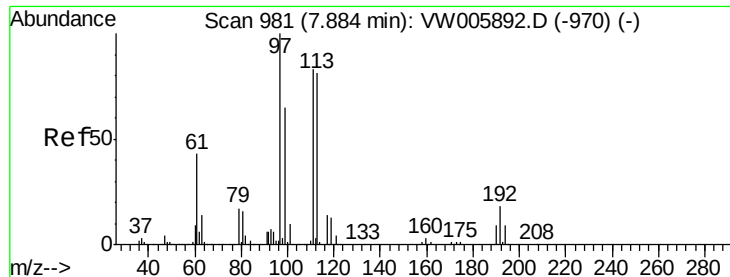
Tgt Ion: 65 Resp: 112643
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

Tgt Ion: 114 Resp: 345078
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.2
 88 15.4 0.0 30.8

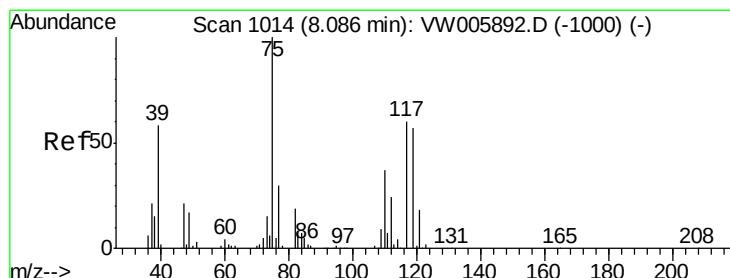
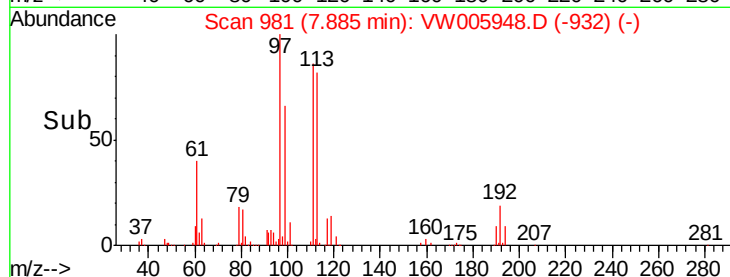
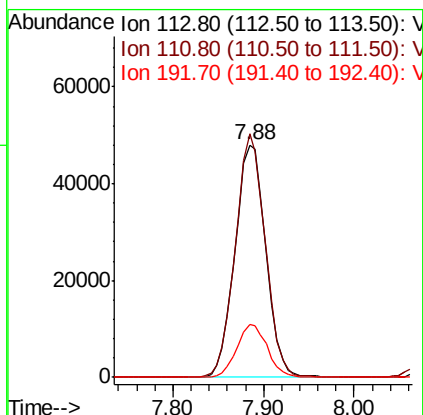
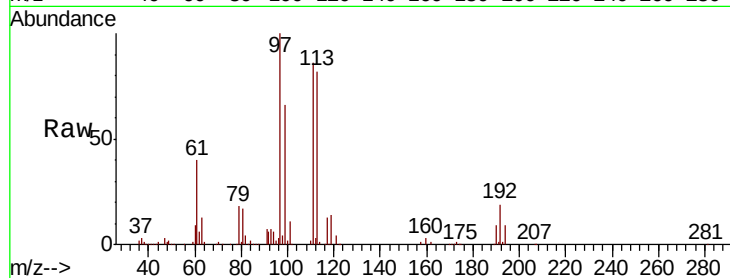




#35
 Dibromofluoromethane
 Concen: 51.443 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

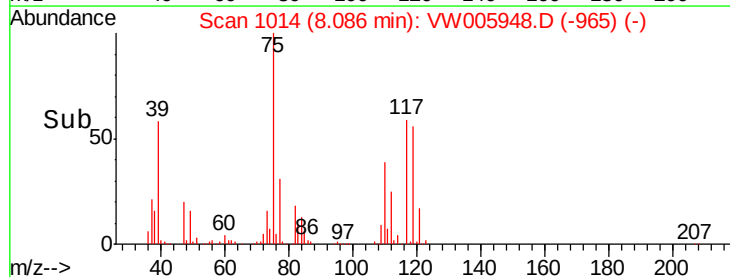
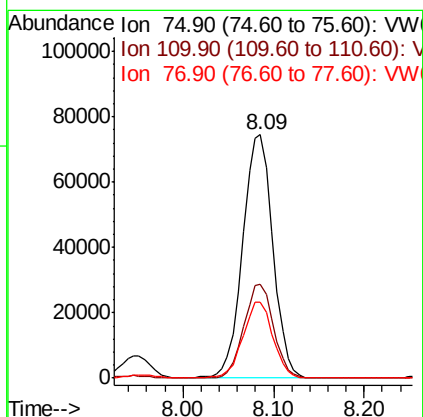
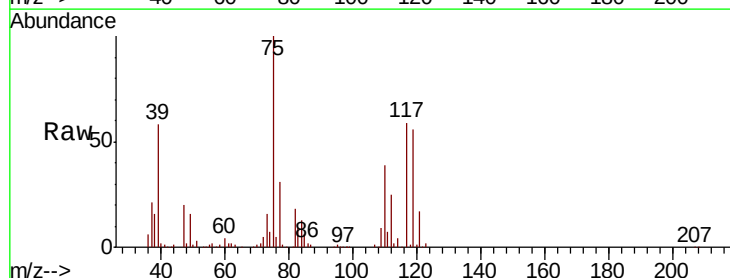
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

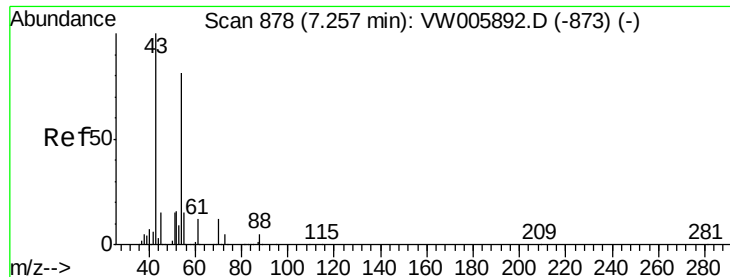
Tgt Ion: 113 Resp: 113338
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.0 123.0
 192 22.5 18.3 27.5



#36
 1,1-Dichloropropene
 Concen: 51.876 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

Tgt Ion: 75 Resp: 171528
 Ion Ratio Lower Upper
 75 100
 110 37.9 18.6 56.0
 77 31.3 24.7 37.1

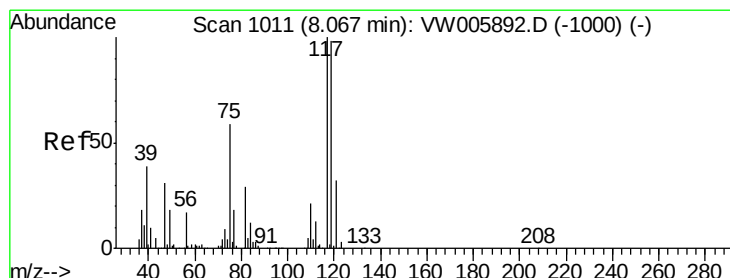
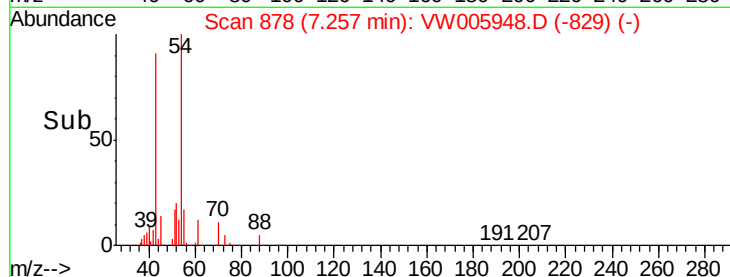
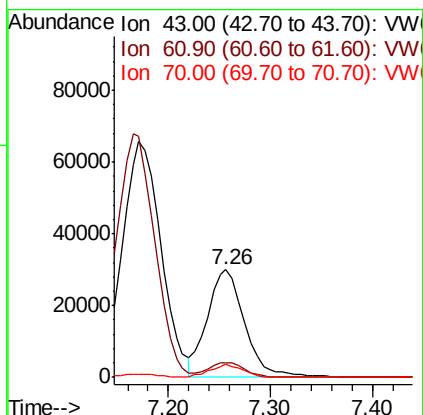
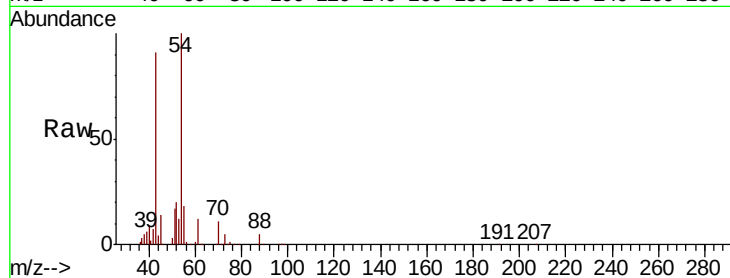




#37
Ethyl Acetate
Concen: 54.089 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW005948.D
Acq: 09 Oct 2018 19:46

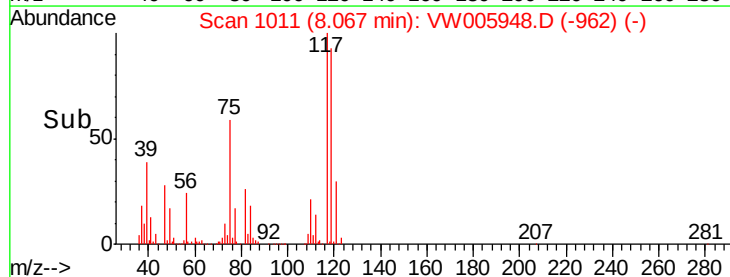
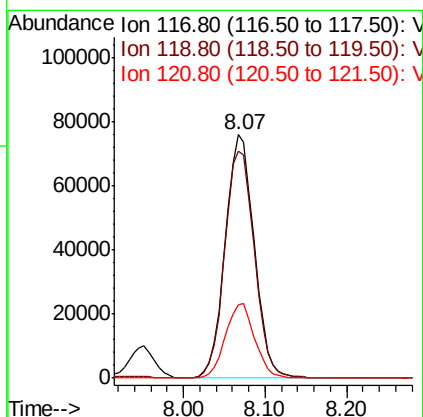
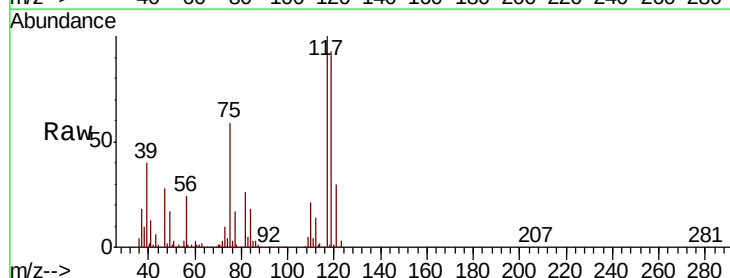
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

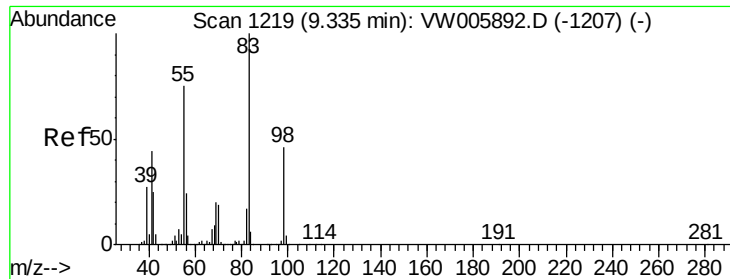
Tgt Ion: 43 Resp: 75737
Ion Ratio Lower Upper
43 100
61 13.5 10.6 16.0
70 10.6 8.6 13.0



#38
Carbon Tetrachloride
Concen: 52.327 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW005948.D
Acq: 09 Oct 2018 19:46

Tgt Ion: 117 Resp: 185890
Ion Ratio Lower Upper
117 100
119 93.0 78.6 117.8
121 30.1 25.3 37.9





#39

Methylcyclohexane

Concen: 51.784 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

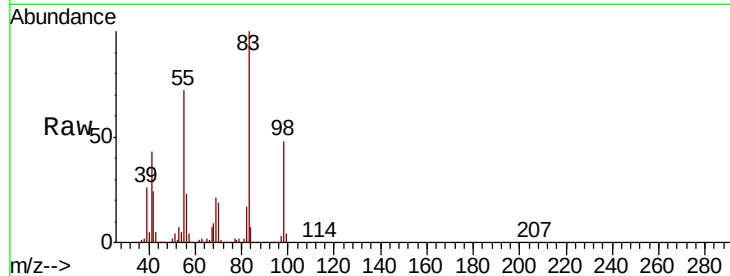
Tgt Ion: 83 Resp: 225839

Ion Ratio Lower Upper

83 100

55 72.0 59.8 89.6

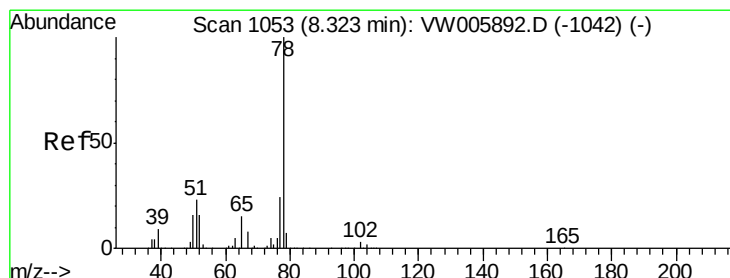
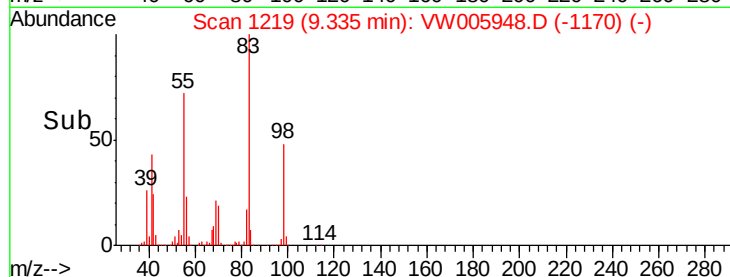
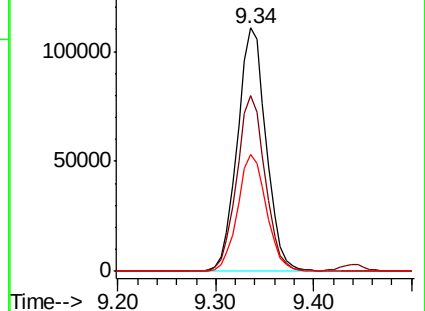
98 48.0 37.1 55.7



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 52.380 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW005948.D

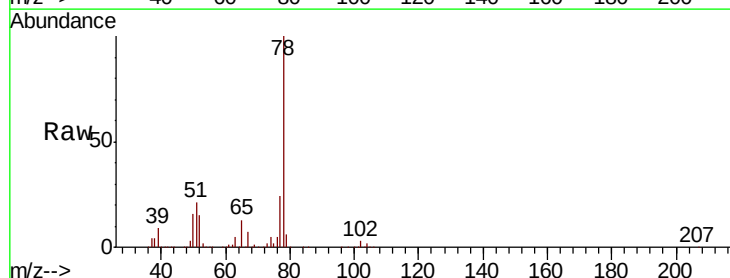
Acq: 09 Oct 2018 19:46

Tgt Ion: 78 Resp: 474030

Ion Ratio Lower Upper

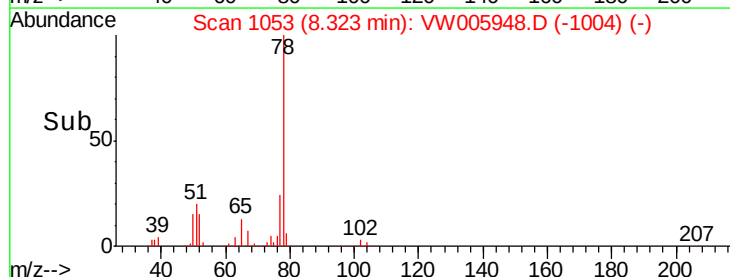
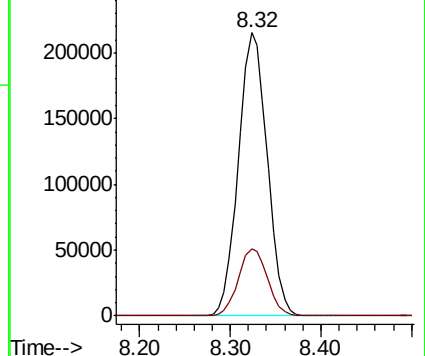
78 100

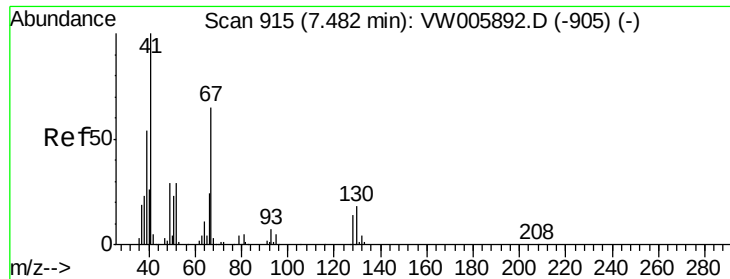
77 23.6 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

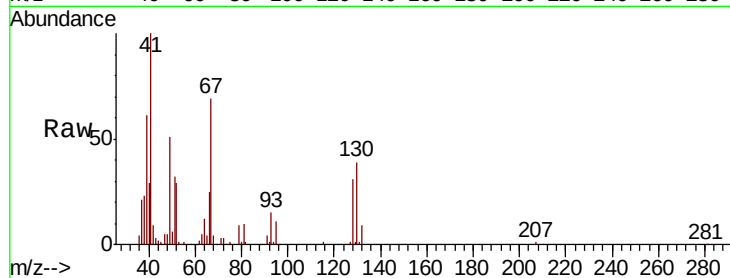




#41
Methacrylonitrile
Concen: 53.894 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW005948.D
Acq: 09 Oct 2018 19:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	47245
Ion	Ratio	Lower	Upper
41	100		
39	58.7	45.0	67.4
67	70.9	55.8	83.8
52	30.5	25.3	37.9



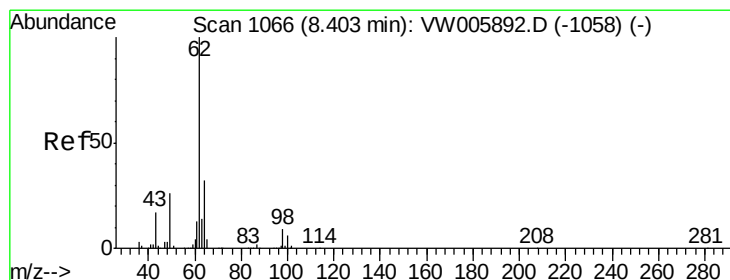
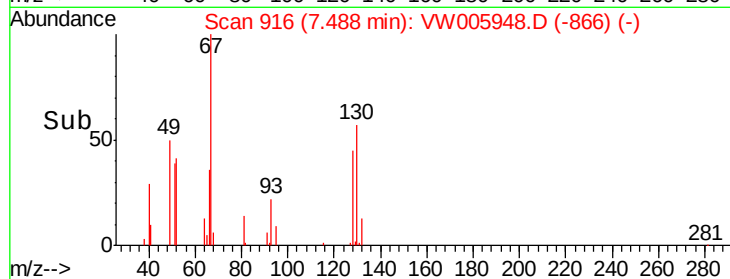
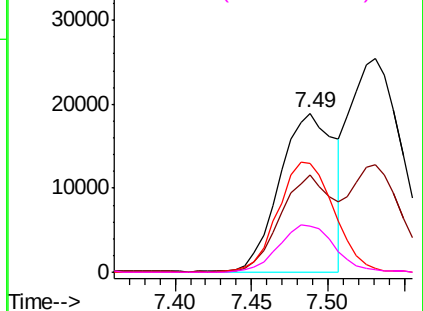
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

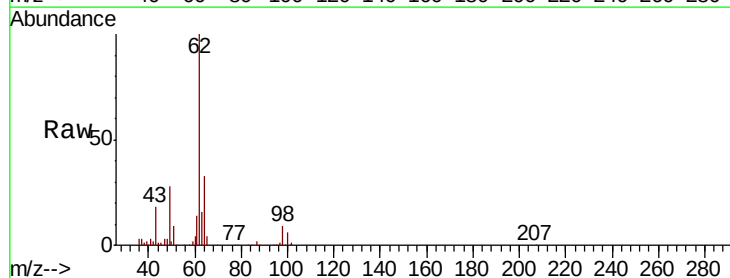
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 52.315 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW005948.D
Acq: 09 Oct 2018 19:46

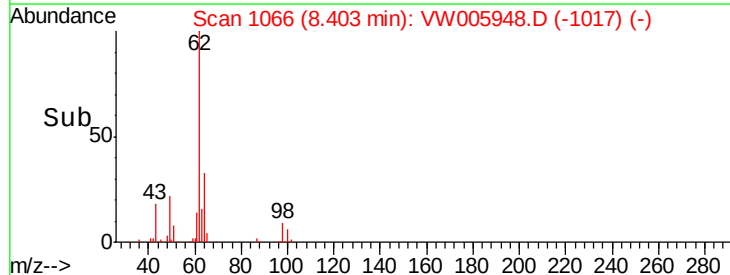
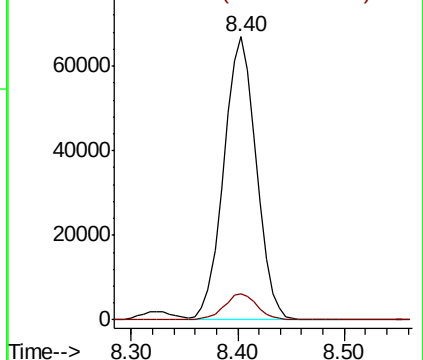
Tgt Ion:	62	Resp:	143032
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.0

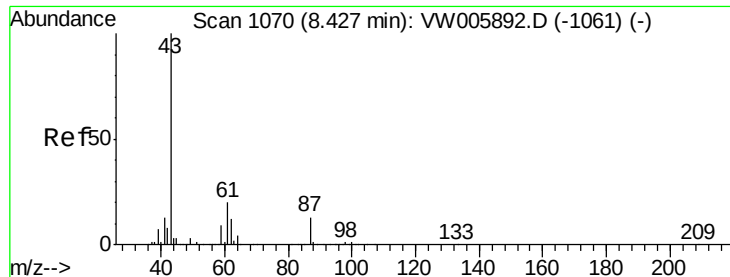


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 52.024 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

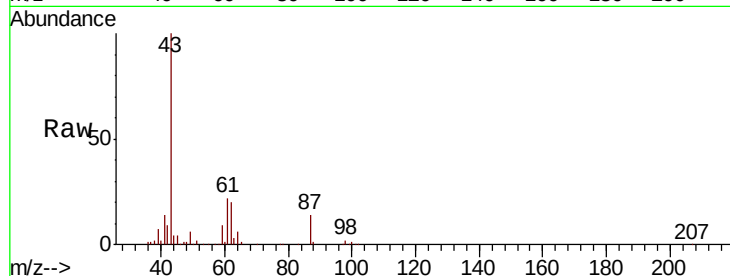
Tgt Ion: 43 Resp: 152169

Ion Ratio Lower Upper

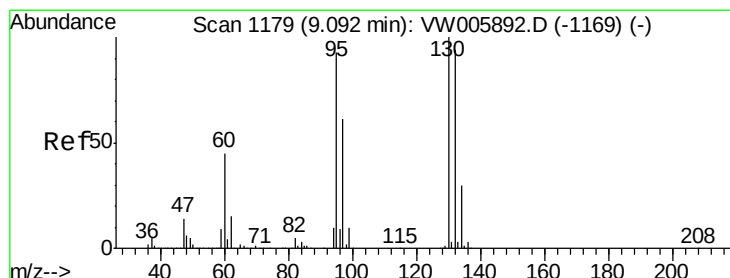
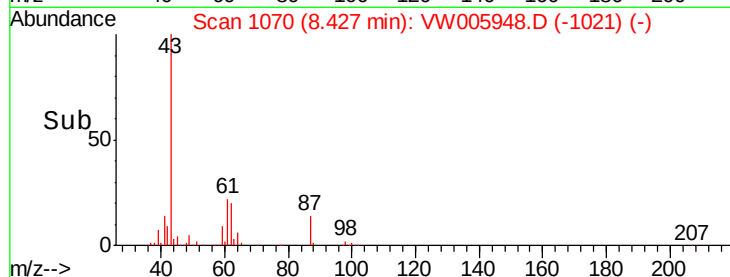
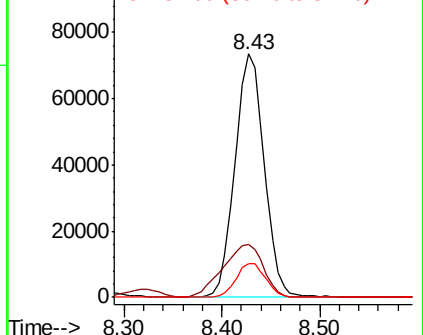
43 100

61 30.1 23.1 34.7

87 14.4 10.7 16.1



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



#44

Trichloroethene

Concen: 54.649 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW005948.D

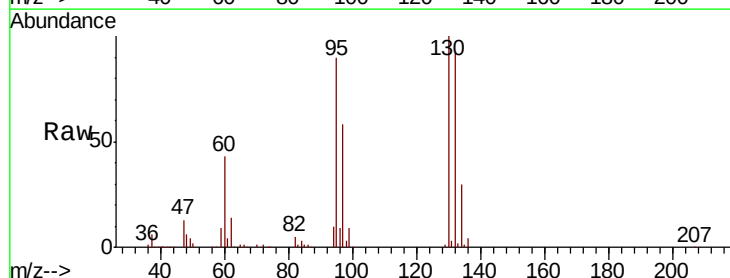
Acq: 09 Oct 2018 19:46

Tgt Ion: 130 Resp: 143493

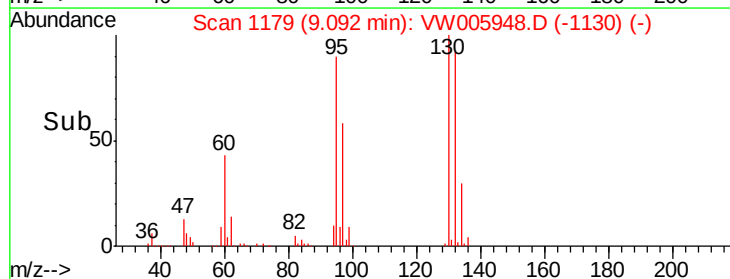
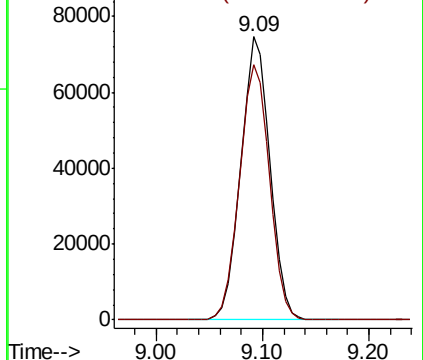
Ion Ratio Lower Upper

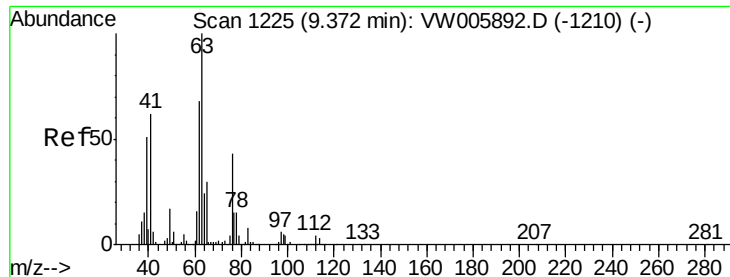
130 100

95 90.1 0.0 185.6



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

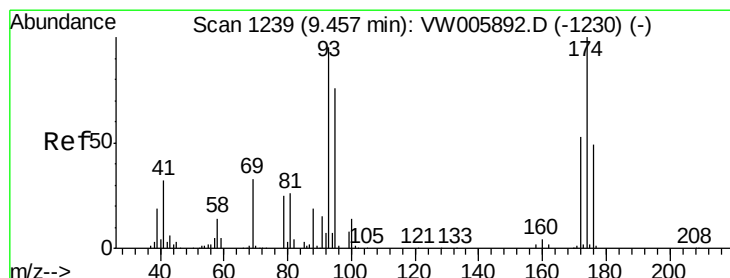
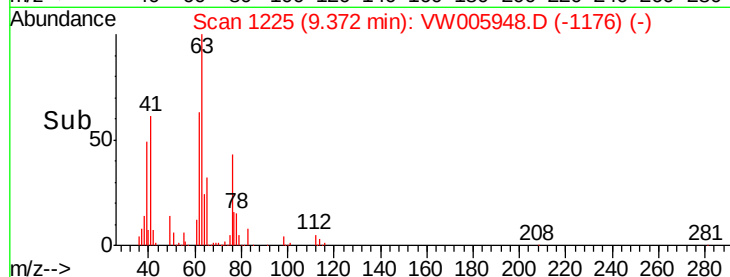
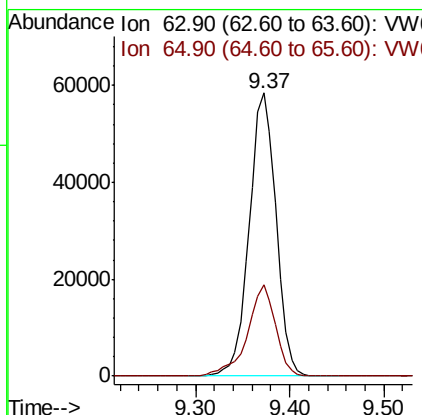
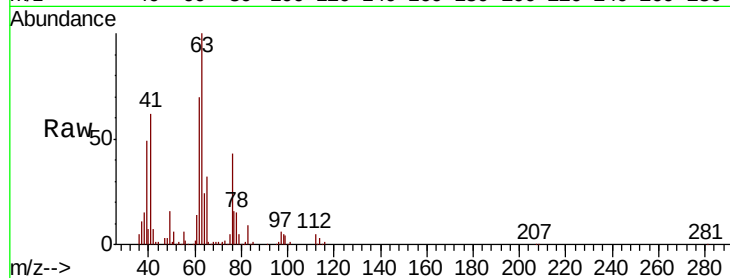




#45
 1,2-Dichloropropane
 Concen: 51.166 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

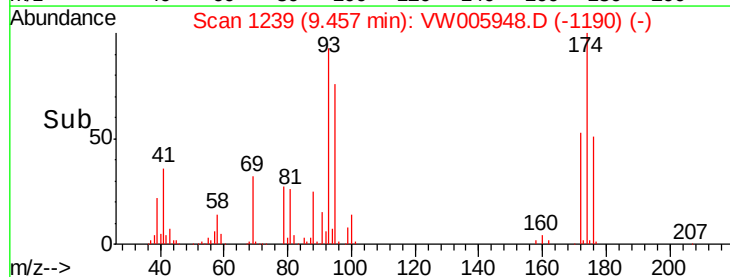
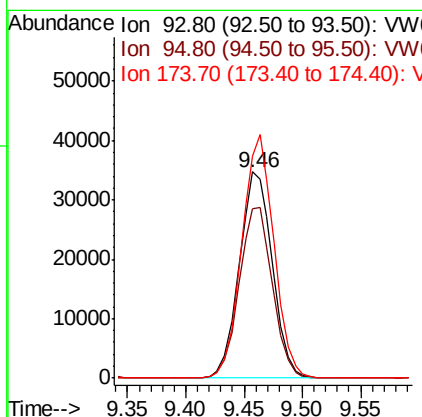
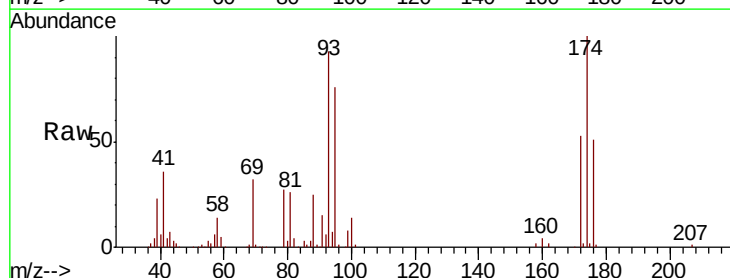
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

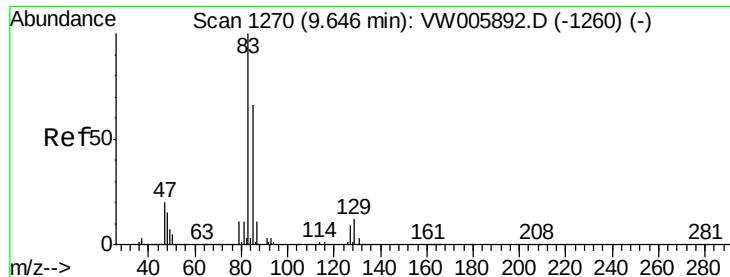
Tgt Ion: 63 Resp: 115904
 Ion Ratio Lower Upper
 63 100
 65 32.4 24.3 36.5



#46
 Dibromomethane
 Concen: 55.018 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

Tgt Ion: 93 Resp: 68498
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 99.8
 174 114.6 90.4 135.6





#47

Bromodichloromethane

Concen: 51.743 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

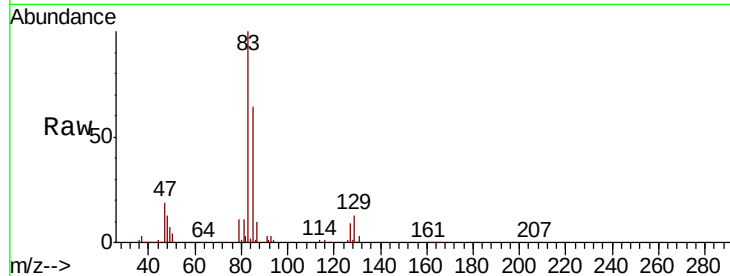
Tgt Ion: 83 Resp: 162108

Ion Ratio Lower Upper

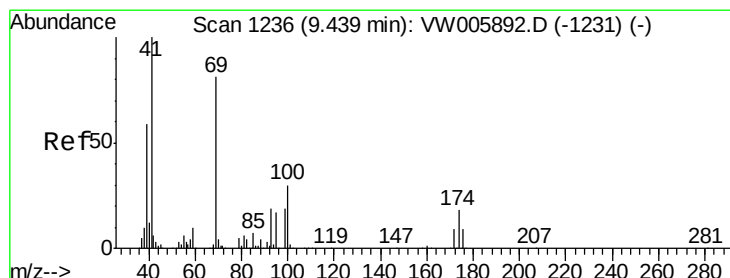
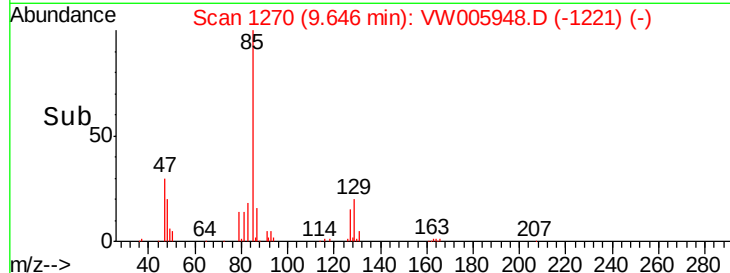
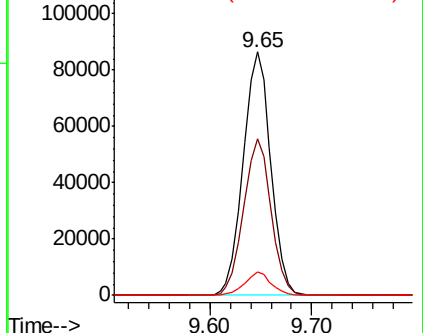
83 100

85 64.3 53.0 79.6

127 9.5 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 51.809 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

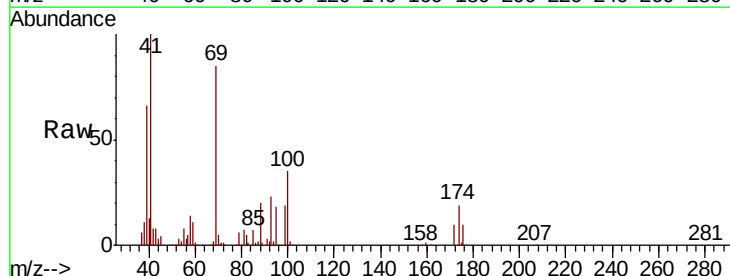
Tgt Ion: 41 Resp: 72189

Ion Ratio Lower Upper

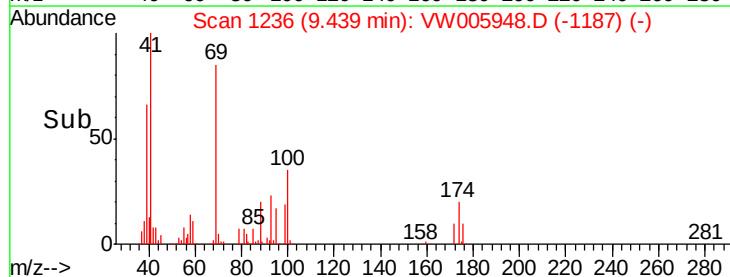
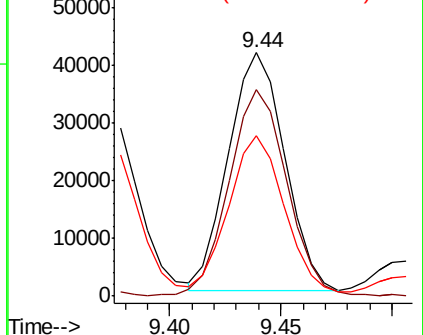
41 100

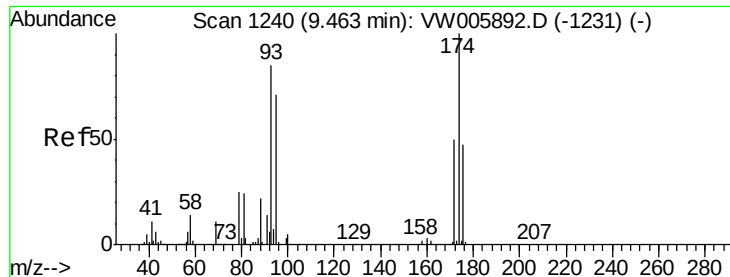
69 89.8 68.7 103.1

39 64.7 50.0 75.0



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1237.367 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

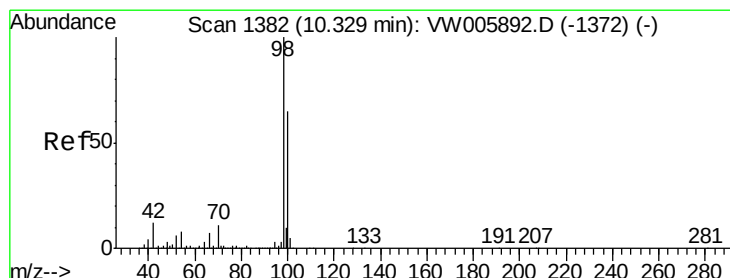
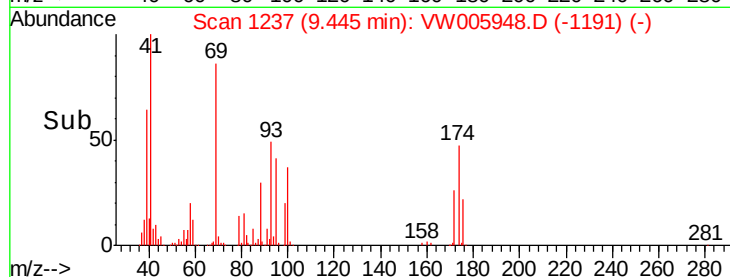
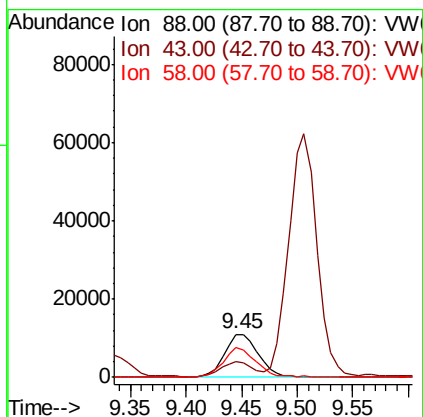
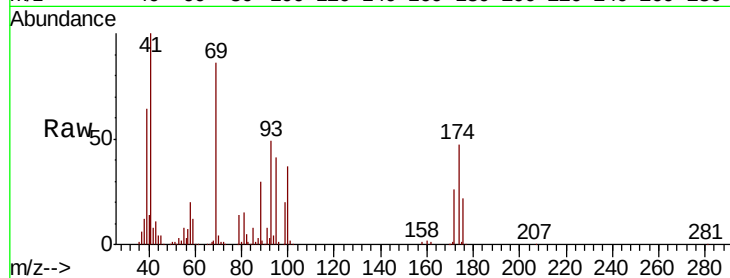
Tgt Ion: 88 Resp: 23400

Ion Ratio Lower Upper

88 100

43 32.9 0.0 0.0#

58 65.0 57.7 86.5



#50

Toluene-d8

Concen: 50.840 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005948.D

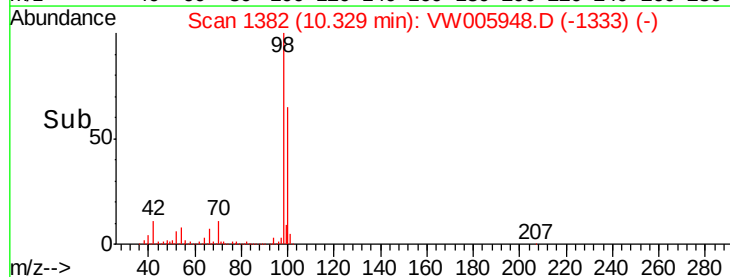
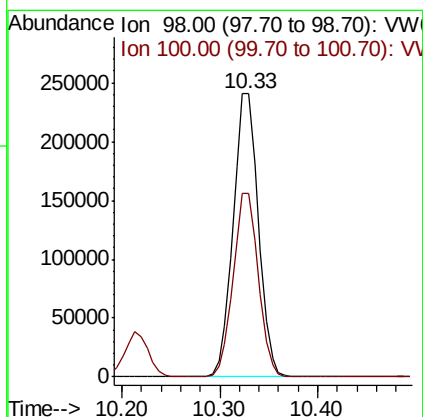
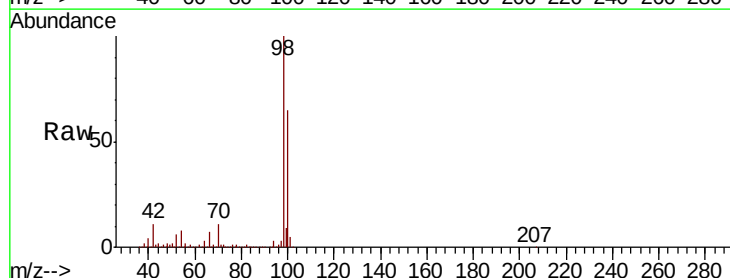
Acq: 09 Oct 2018 19:46

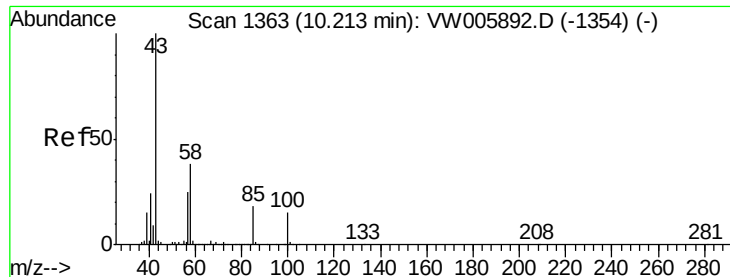
Tgt Ion: 98 Resp: 430950

Ion Ratio Lower Upper

98 100

100 64.5 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 273.174 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

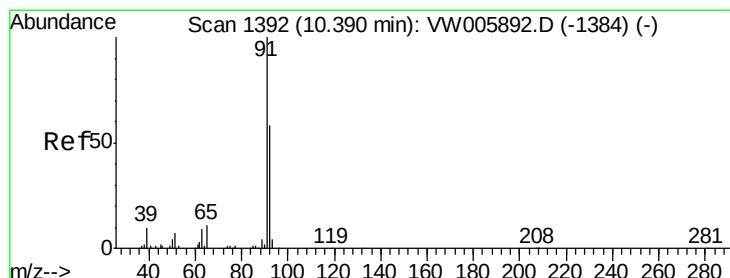
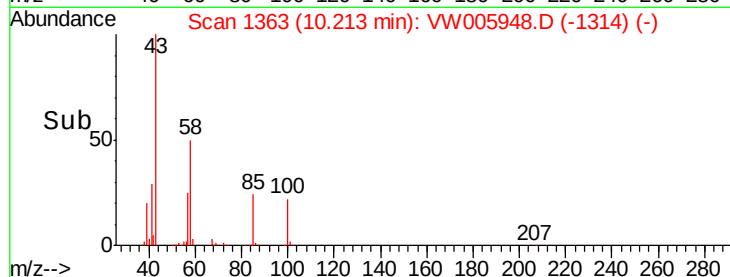
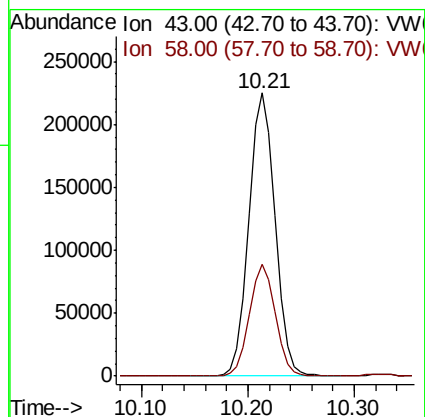
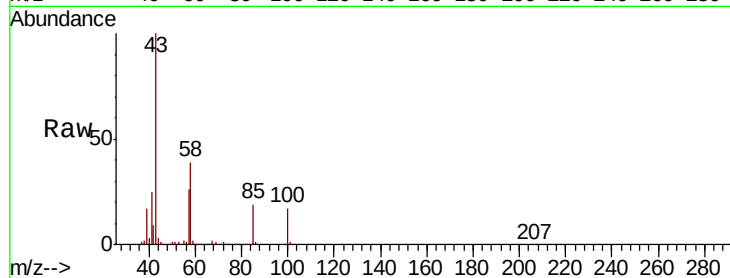
VSTDCCC050

Tgt Ion: 43 Resp: 389091

Ion Ratio Lower Upper

43 100

58 39.1 30.2 45.4



#52

Toluene

Concen: 52.990 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW005948.D

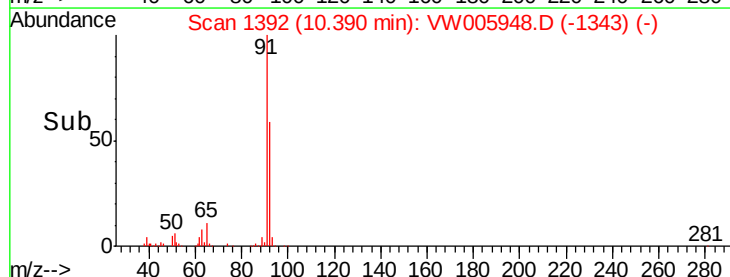
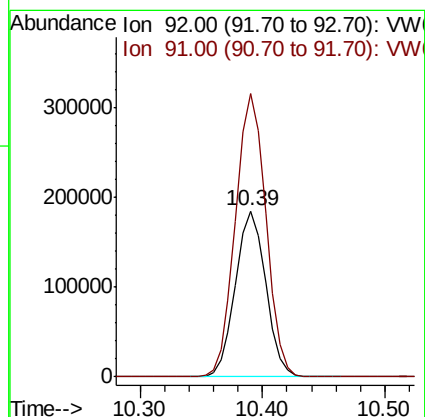
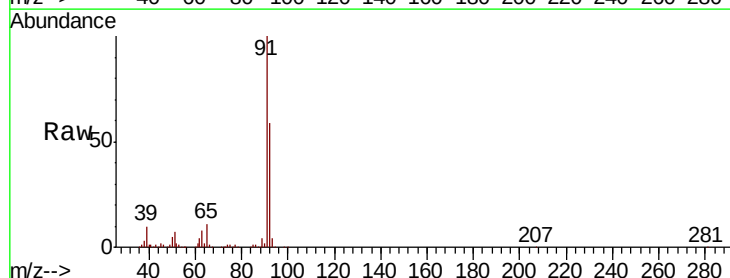
Acq: 09 Oct 2018 19:46

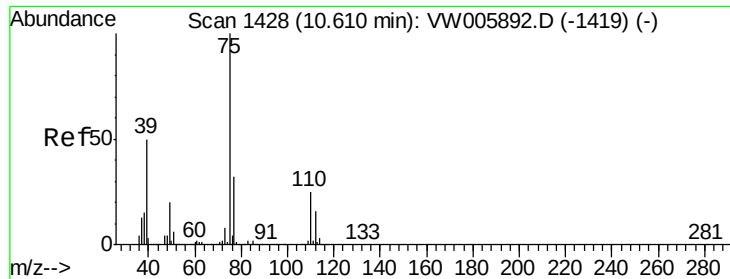
Tgt Ion: 92 Resp: 315041

Ion Ratio Lower Upper

92 100

91 172.3 138.2 207.4





#53

t-1,3-Dichloropropene

Concen: 50.590 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

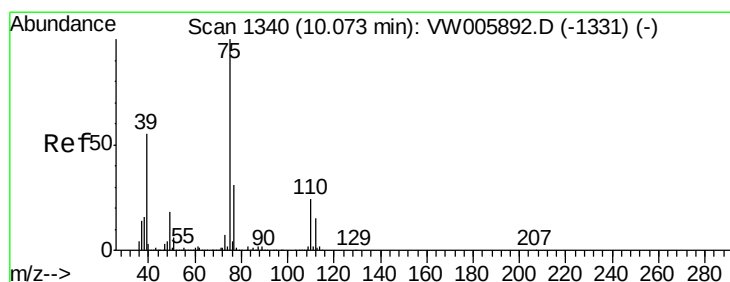
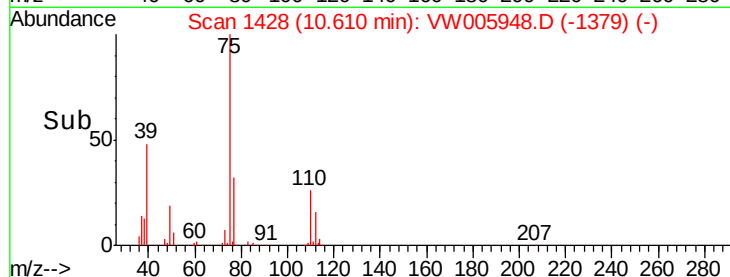
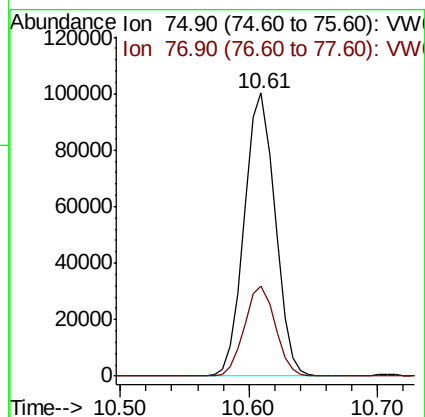
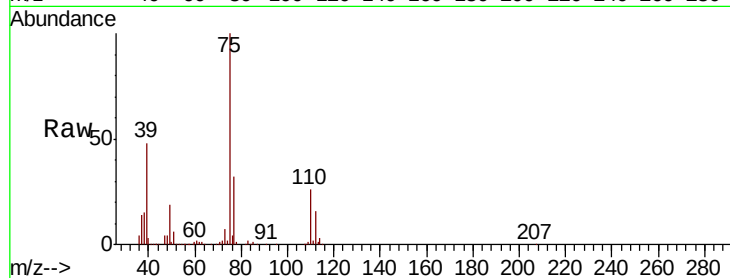
VSTDCCC050

Tgt Ion: 75 Resp: 165633

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 50.722 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

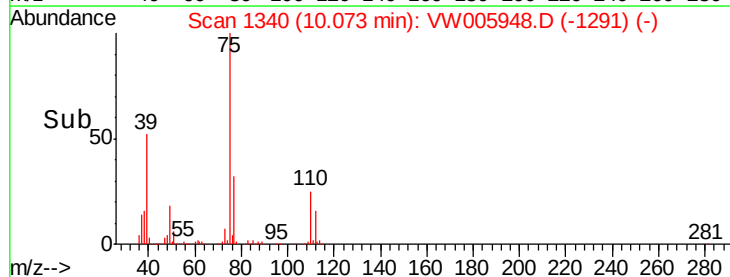
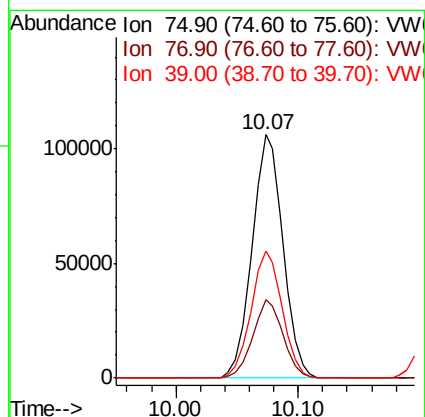
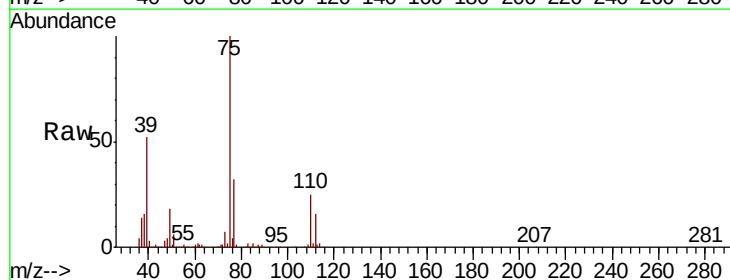
Tgt Ion: 75 Resp: 186678

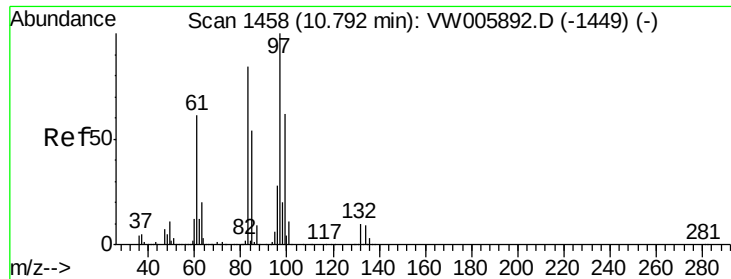
Ion Ratio Lower Upper

75 100

77 32.1 24.6 37.0

39 52.1 44.2 66.4

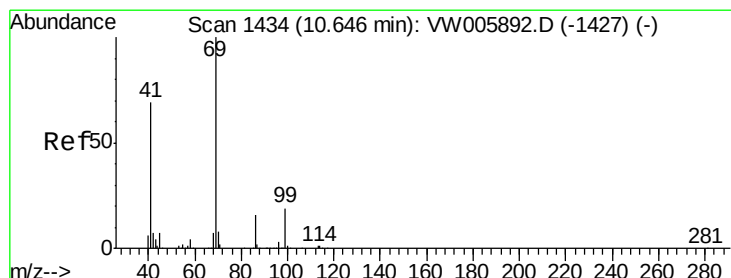
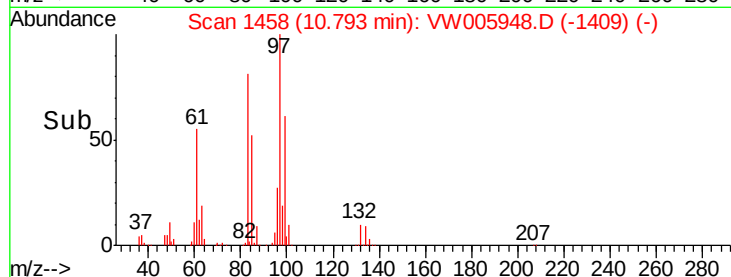
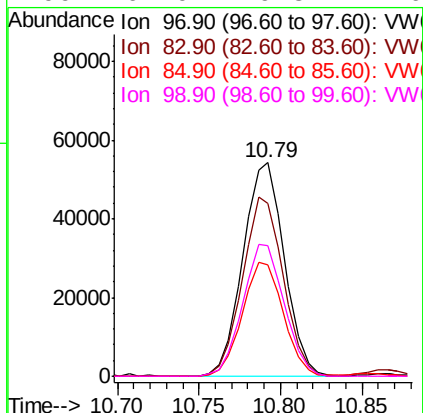
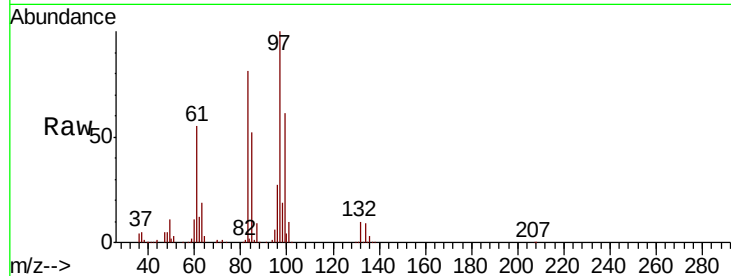




#55
 1,1,2-Trichloroethane
 Concen: 55.498 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

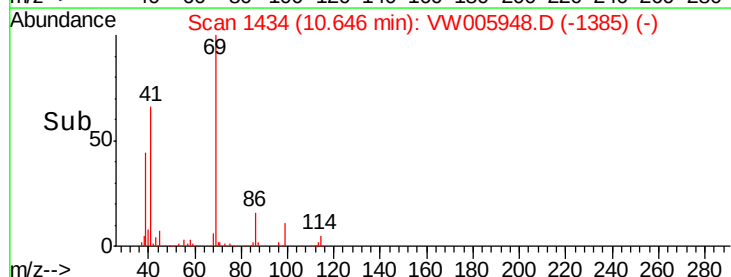
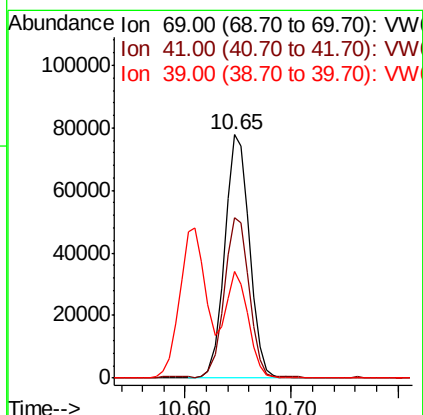
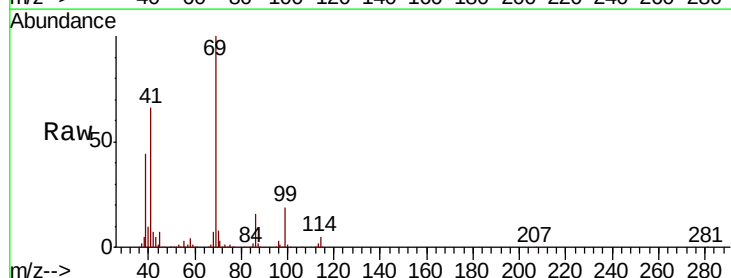
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

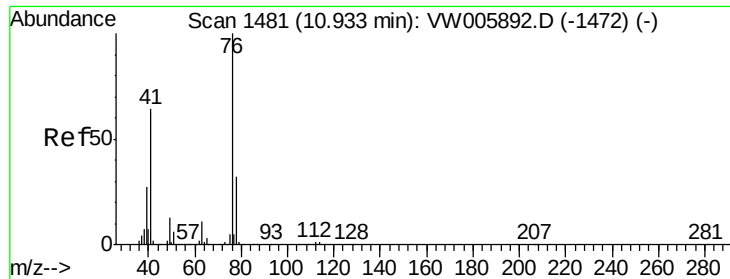
Tgt Ion:	97	Resp:	95702
Ion	Ratio	Lower	Upper
97	100		
83	81.0	66.9	100.3
85	52.0	43.4	65.0
99	61.0	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 54.330 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

Tgt Ion:	69	Resp:	126273
Ion	Ratio	Lower	Upper
69	100		
41	66.0	56.0	84.0
39	41.1	33.5	50.3

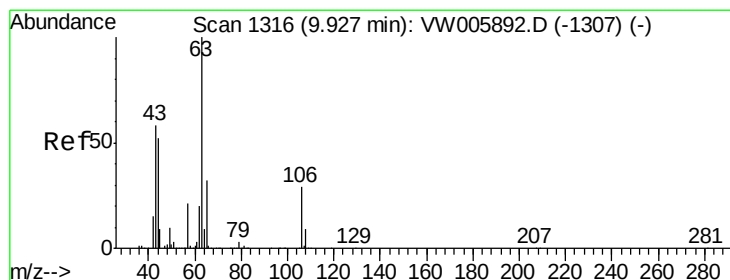
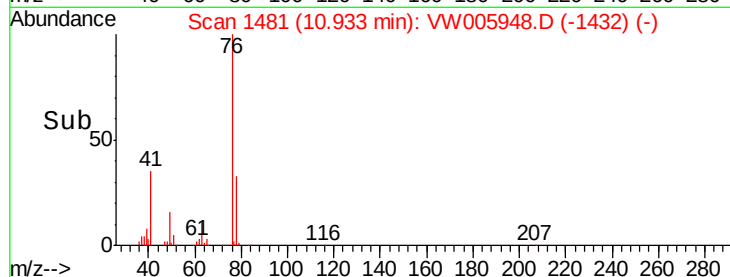
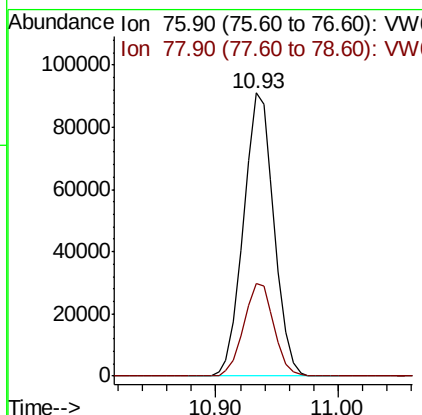
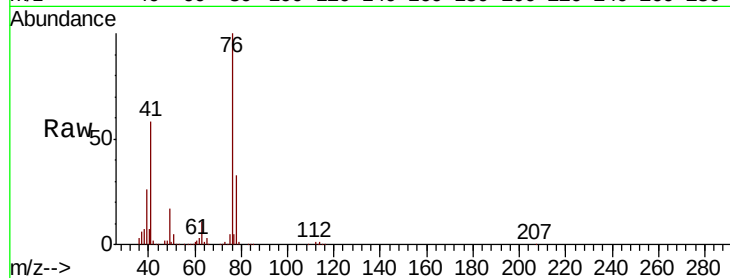




#57
 1,3-Dichloropropane
 Concen: 54.081 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

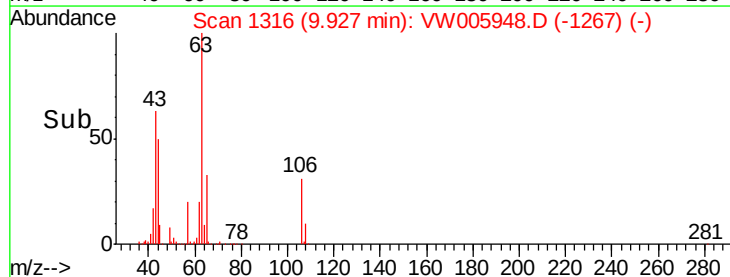
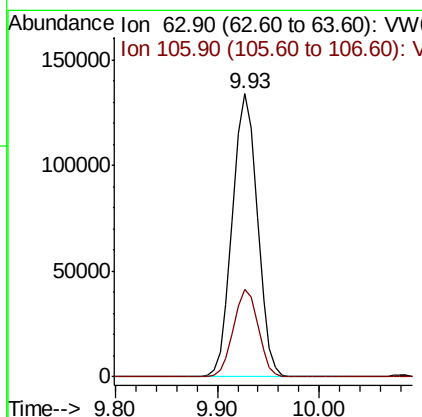
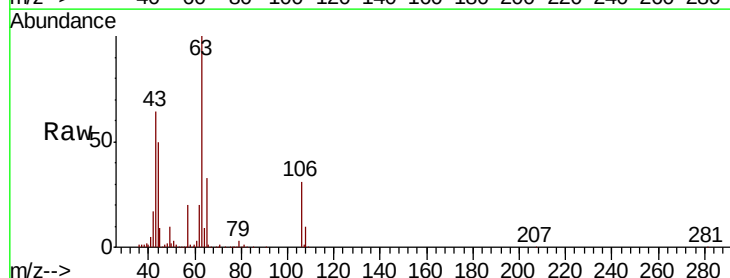
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

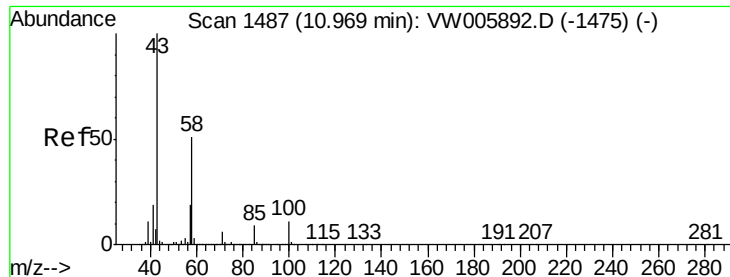
Tgt Ion: 76 Resp: 156890
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.134 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

Tgt Ion: 63 Resp: 227094
 Ion Ratio Lower Upper
 63 100
 106 30.5 23.6 35.4

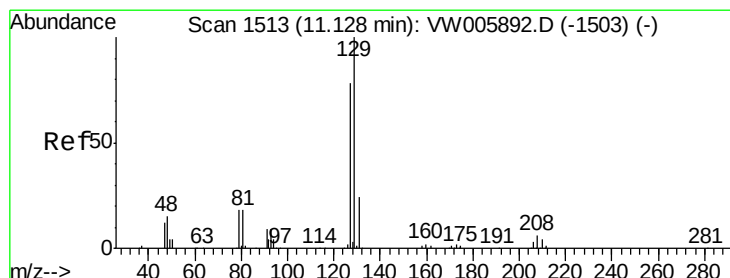
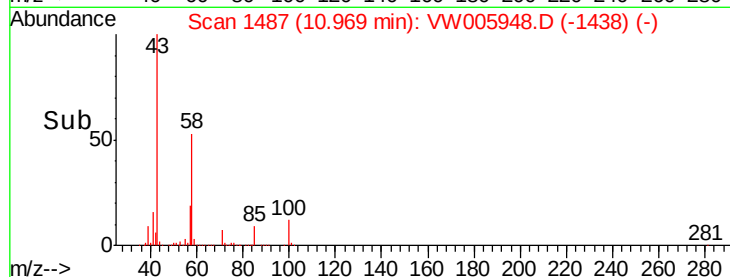
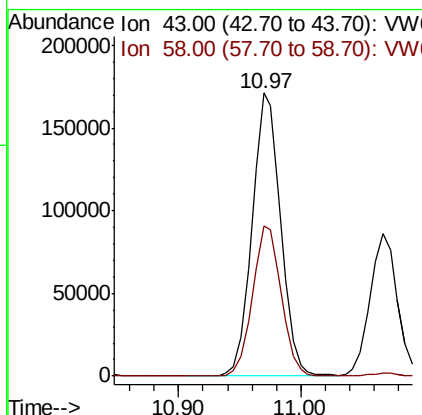
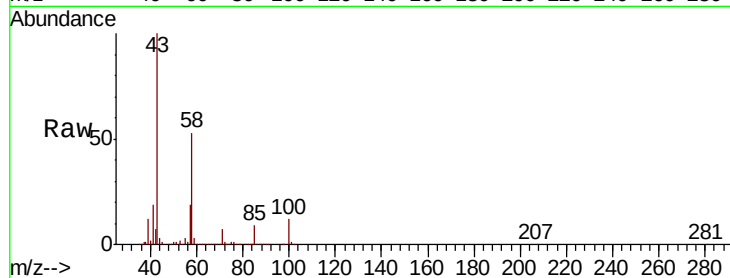




#59
2-Hexanone
Concen: 272.109 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW005948.D
Acq: 09 Oct 2018 19:46

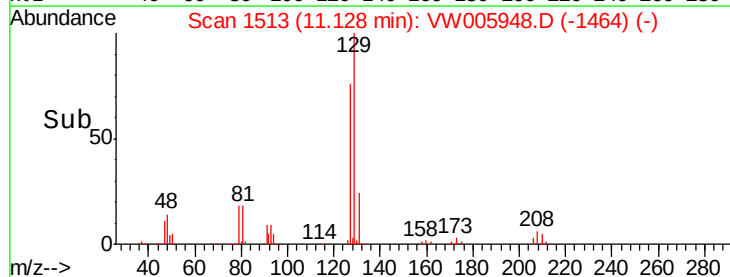
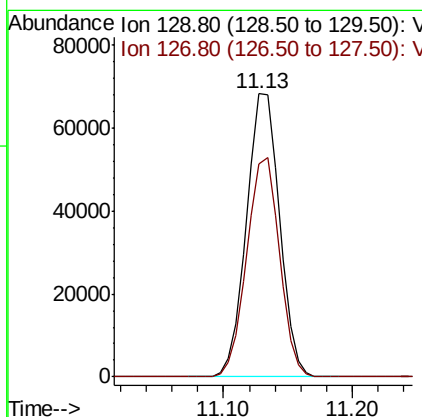
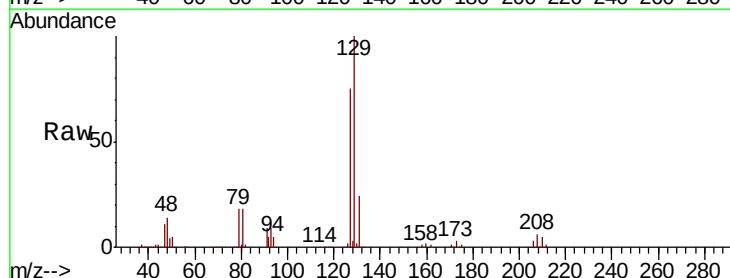
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

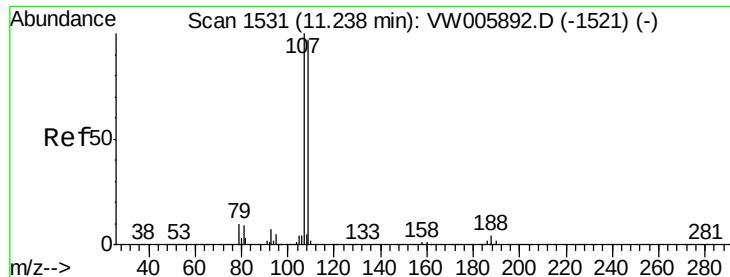
Tgt Ion: 43 Resp: 277898
Ion Ratio Lower Upper
43 100
58 53.6 25.7 77.1



#60
Dibromochloromethane
Concen: 54.501 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW005948.D
Acq: 09 Oct 2018 19:46

Tgt Ion: 129 Resp: 121280
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5

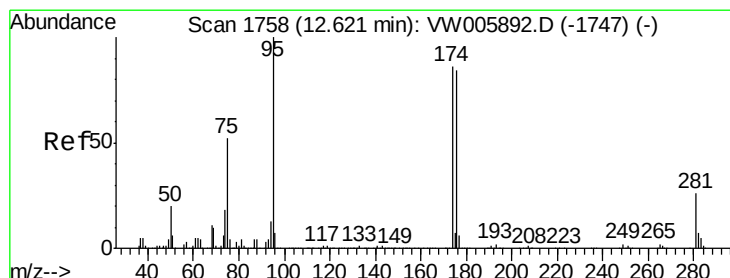
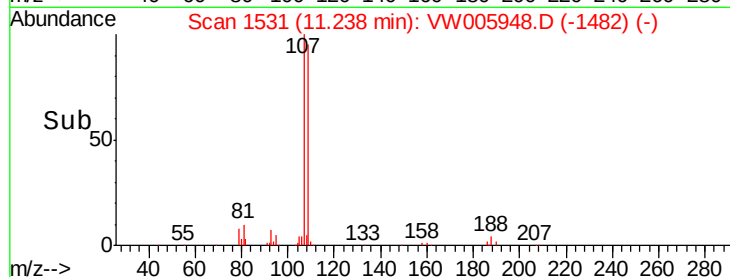
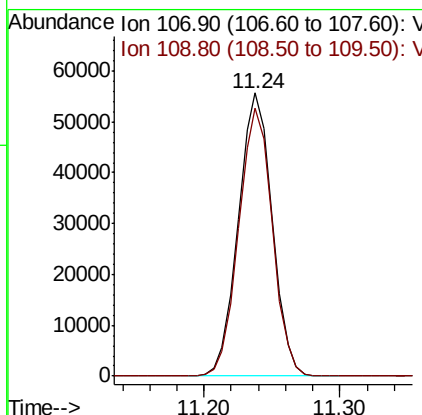
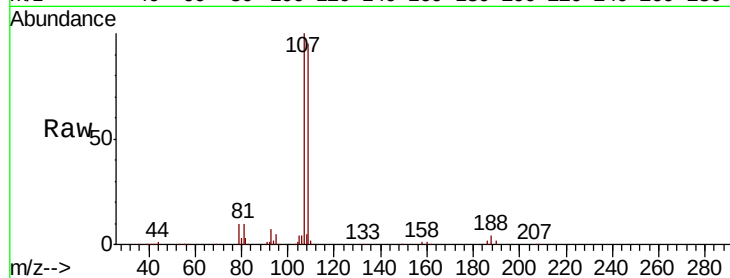




#61
 1,2-Dibromoethane
 Concen: 56.029 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

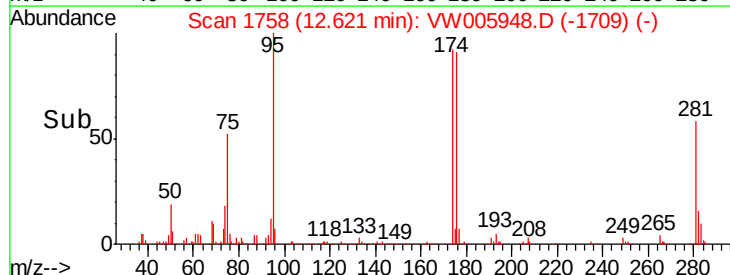
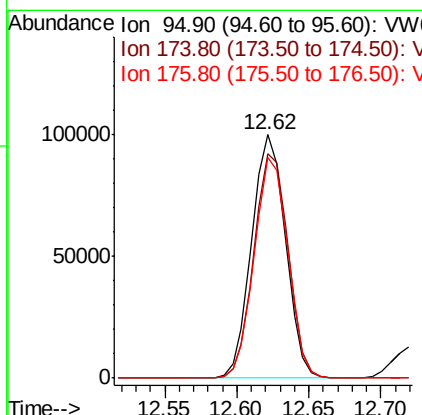
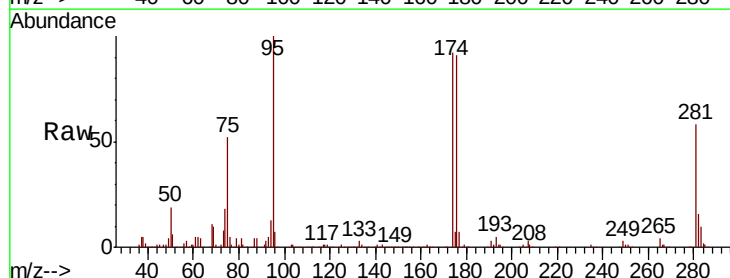
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

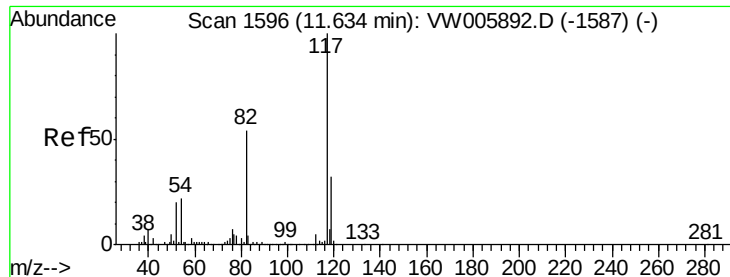
Tgt Ion: 107 Resp: 96547
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 50.278 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

Tgt Ion: 95 Resp: 162149
 Ion Ratio Lower Upper
 95 100
 174 93.3 0.0 176.4
 176 90.6 0.0 173.0

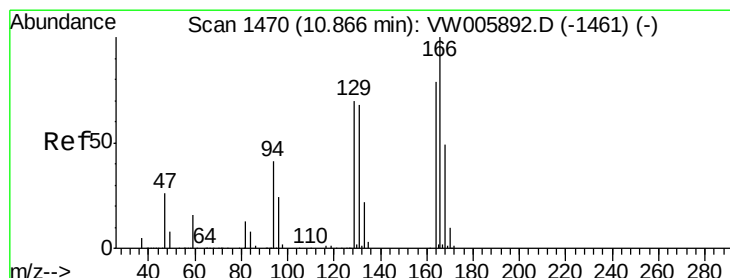
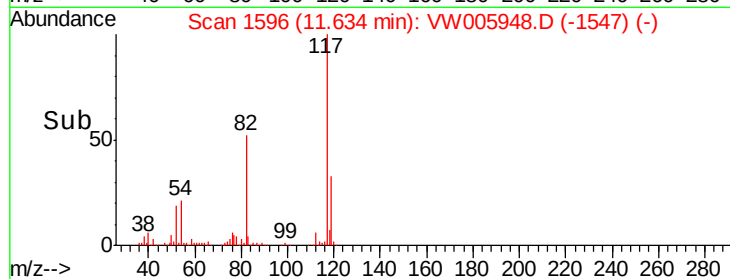
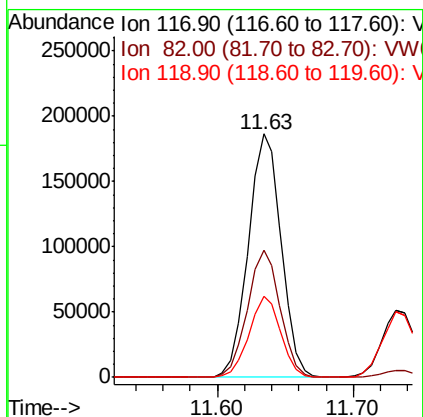
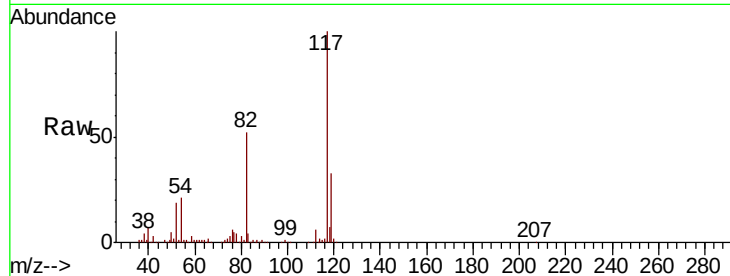




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW005948.D
Acq: 09 Oct 2018 19:46

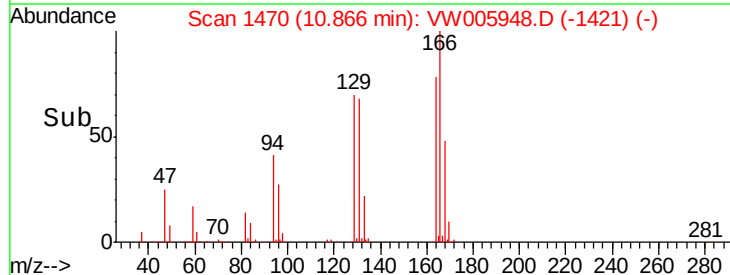
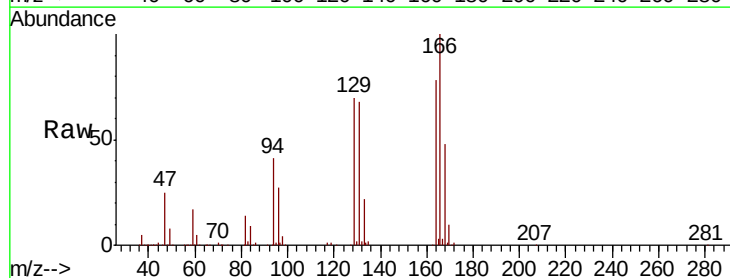
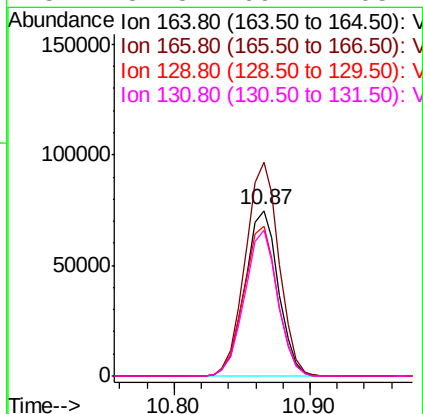
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

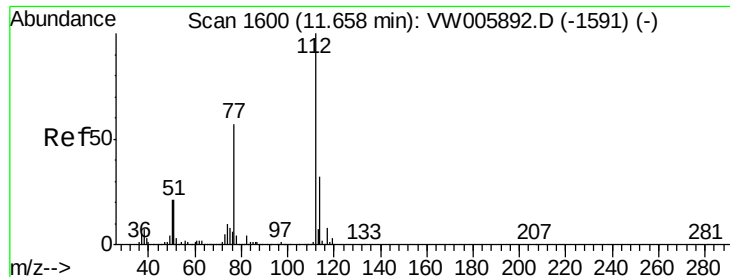
Tgt Ion:117 Resp: 315623
Ion Ratio Lower Upper
117 100
82 52.5 43.5 65.3
119 33.3 25.4 38.2



#64
Tetrachloroethene
Concen: 54.993 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW005948.D
Acq: 09 Oct 2018 19:46

Tgt Ion:164 Resp: 129292
Ion Ratio Lower Upper
164 100
166 128.8 101.5 152.3
129 90.5 71.1 106.7
131 87.8 69.1 103.7

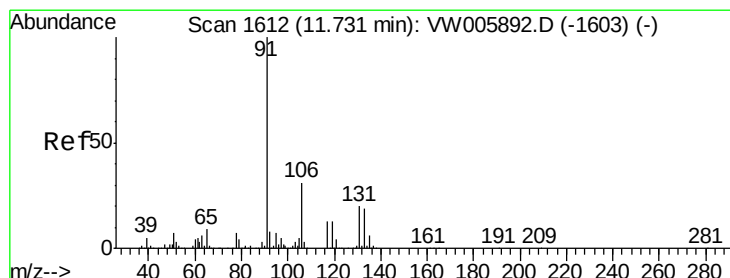
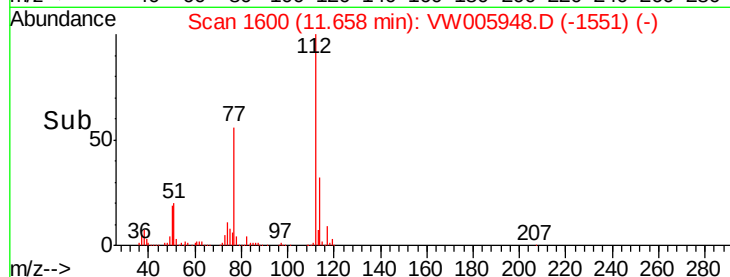
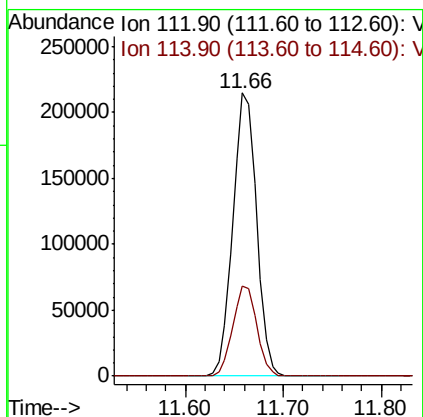
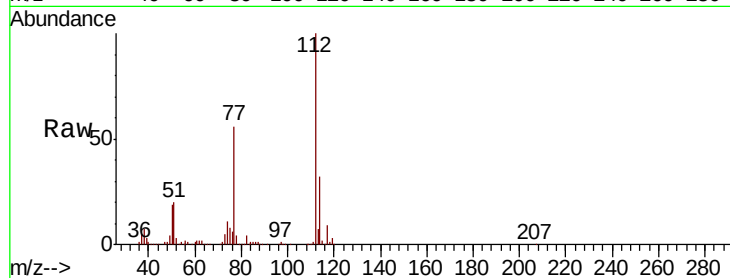




#65
Chlorobenzene
Concen: 53.545 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW005948.D
Acq: 09 Oct 2018 19:46

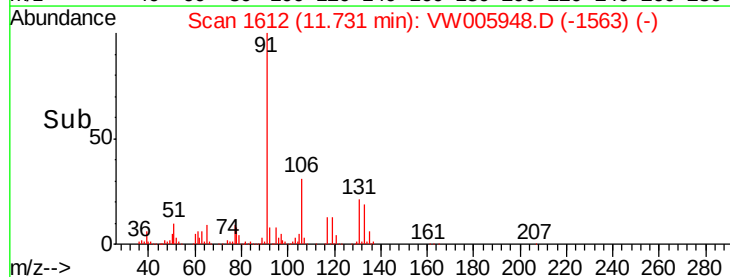
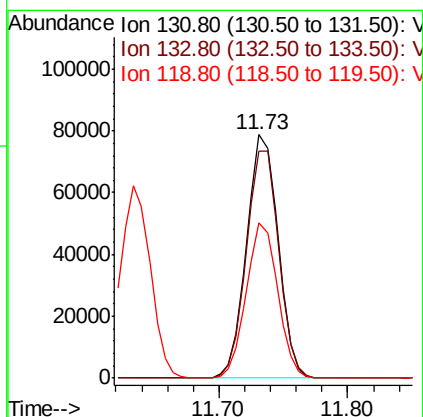
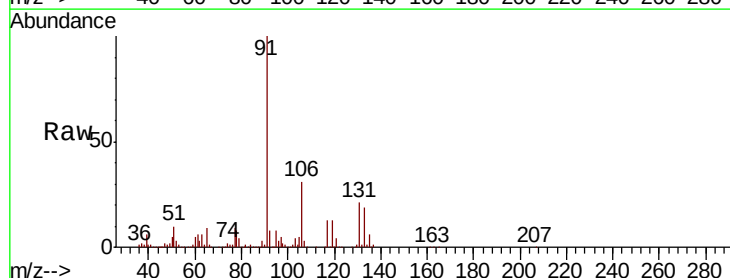
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

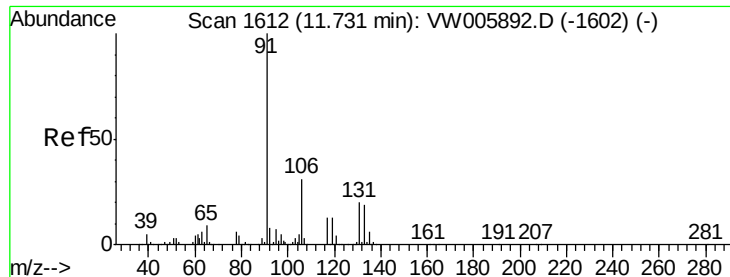
Tgt Ion:112 Resp: 362003
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 53.699 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW005948.D
Acq: 09 Oct 2018 19:46

Tgt Ion:131 Resp: 133069
Ion Ratio Lower Upper
131 100
133 96.0 48.2 144.6
119 63.8 32.5 97.5





#67

Ethyl Benzene

Concen: 52.813 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

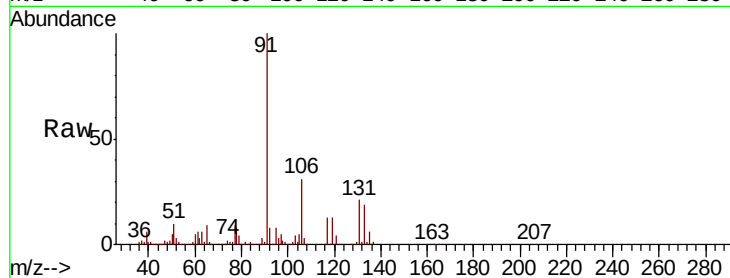
VSTDCCC050

Tgt Ion: 91 Resp: 630664

Ion Ratio Lower Upper

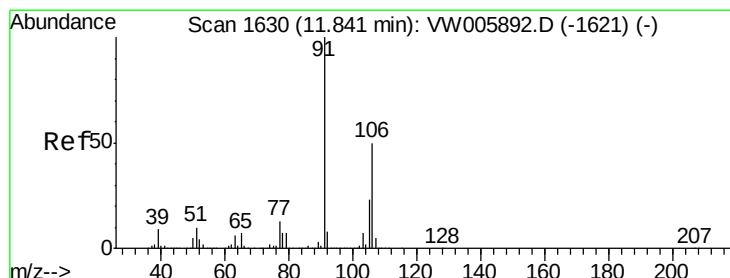
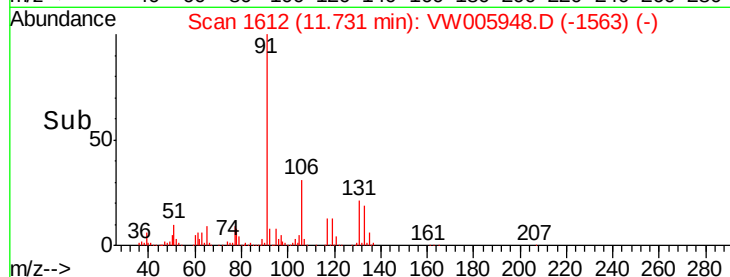
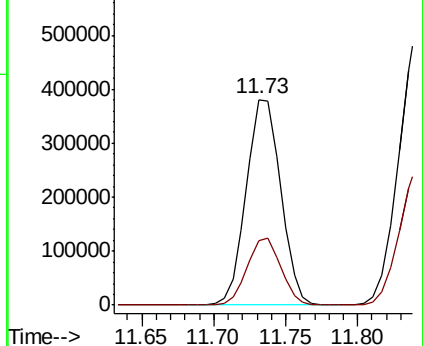
91 100

106 31.5 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 106.881 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW005948.D

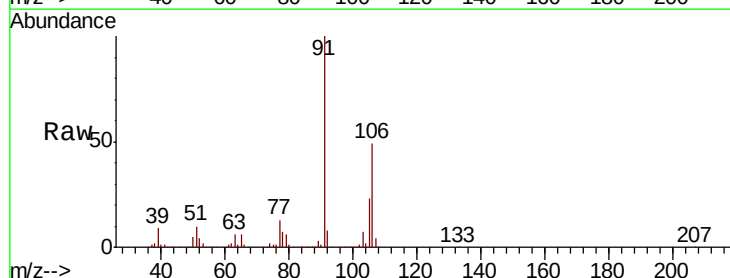
Acq: 09 Oct 2018 19:46

Tgt Ion: 106 Resp: 498782

Ion Ratio Lower Upper

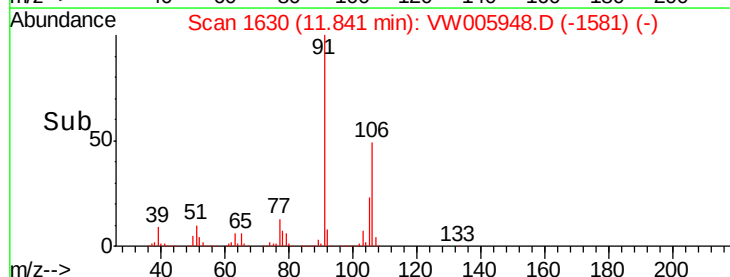
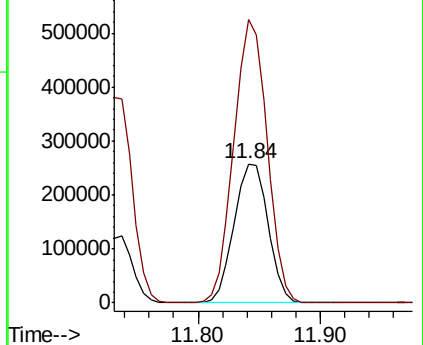
106 100

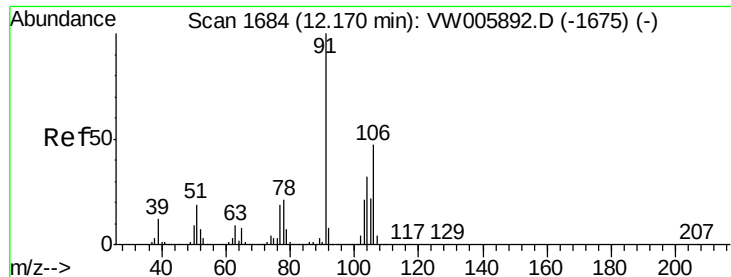
91 198.6 160.2 240.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

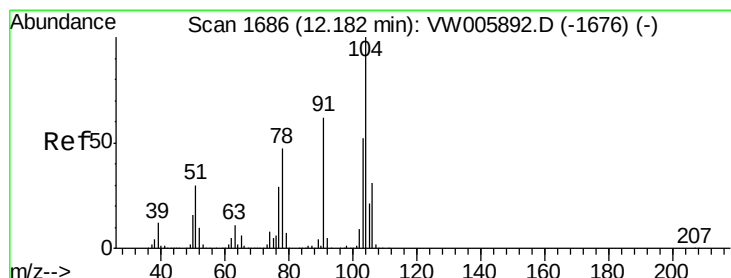
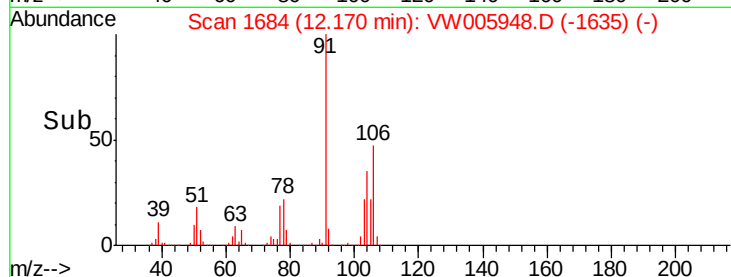
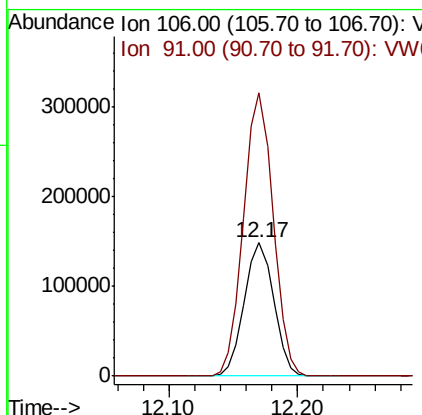
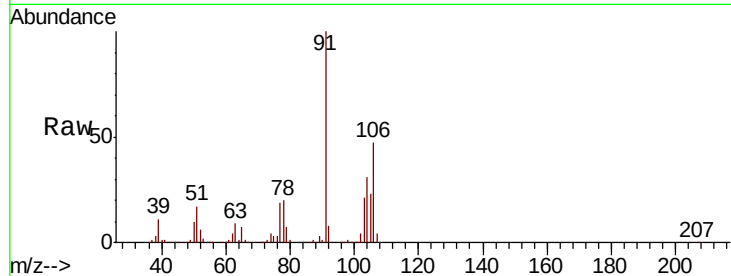




#69
o-Xylene
Concen: 53.092 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005948.D
Acq: 09 Oct 2018 19:46

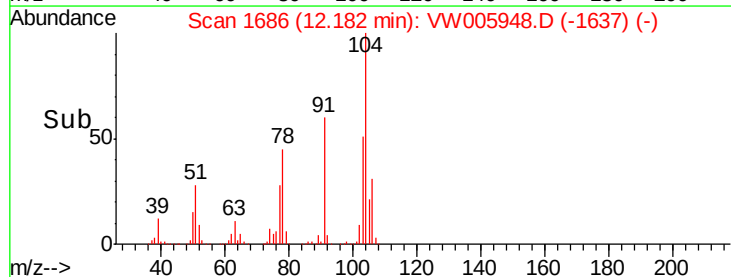
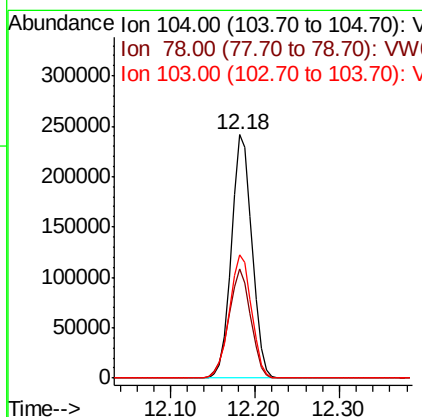
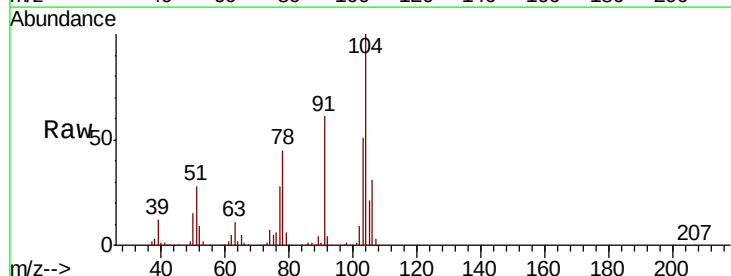
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

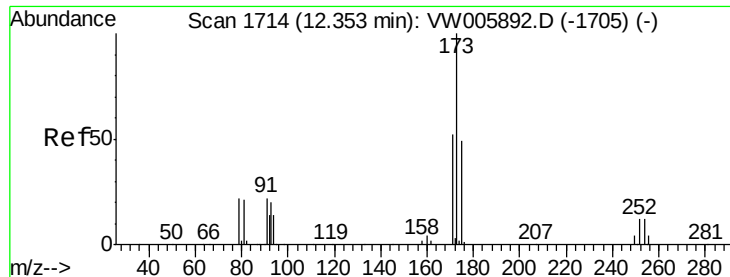
Tgt Ion:106 Resp: 237200
Ion Ratio Lower Upper
106 100
91 211.6 106.2 318.5



#70
Styrene
Concen: 53.799 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW005948.D
Acq: 09 Oct 2018 19:46

Tgt Ion:104 Resp: 398792
Ion Ratio Lower Upper
104 100
78 48.4 40.4 60.6
103 54.9 44.2 66.2





#71

Bromoform

Concen: 55.062 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

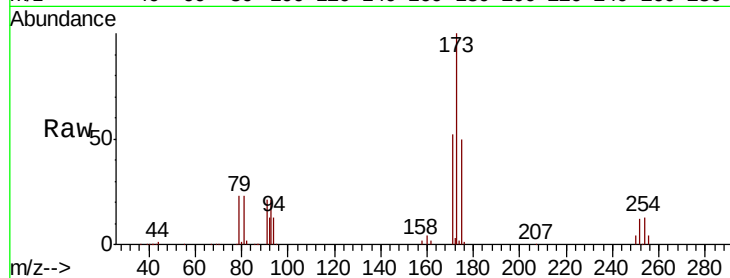
Tgt Ion:173 Resp: 81277

Ion Ratio Lower Upper

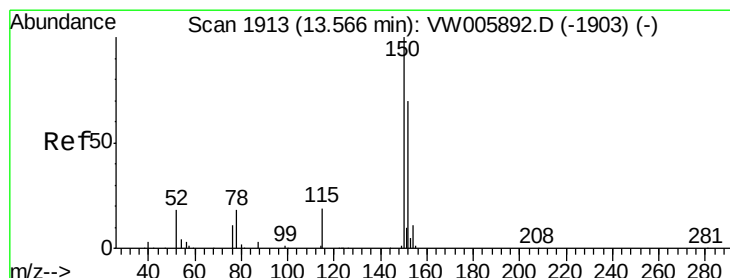
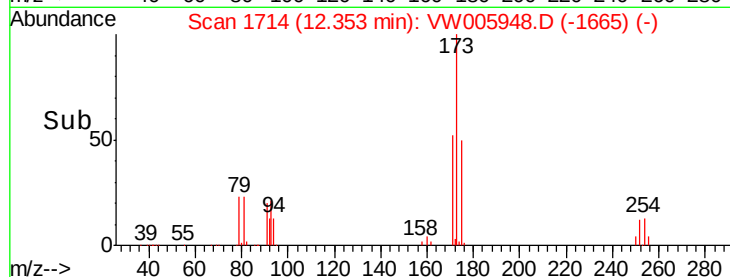
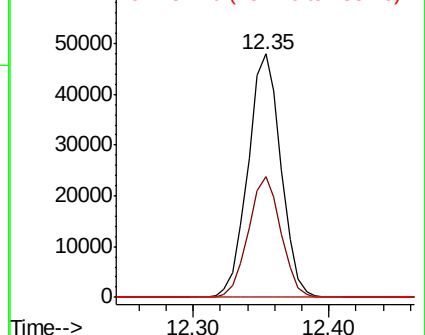
173 100

175 49.1 24.7 74.1

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

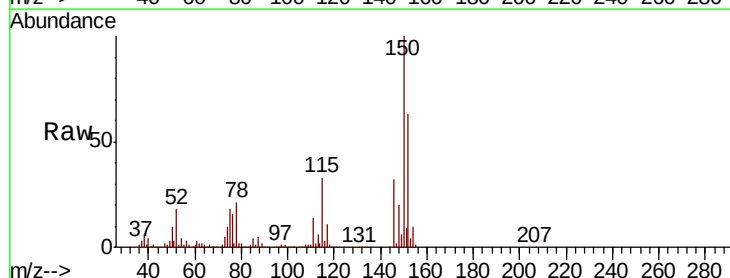
Tgt Ion:152 Resp: 180534

Ion Ratio Lower Upper

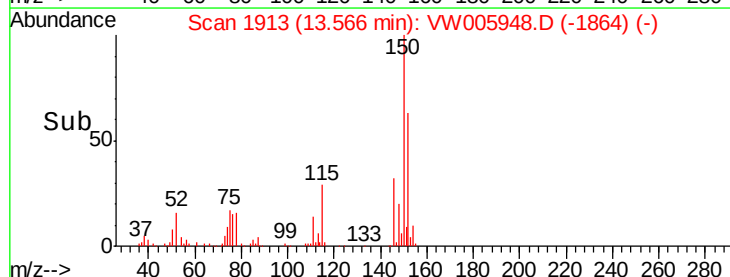
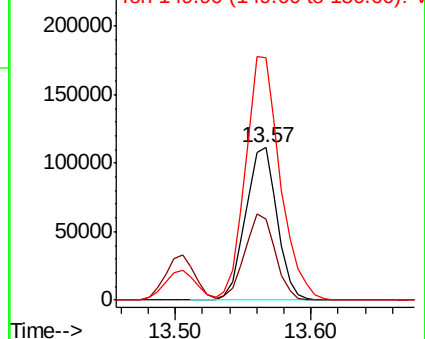
152 100

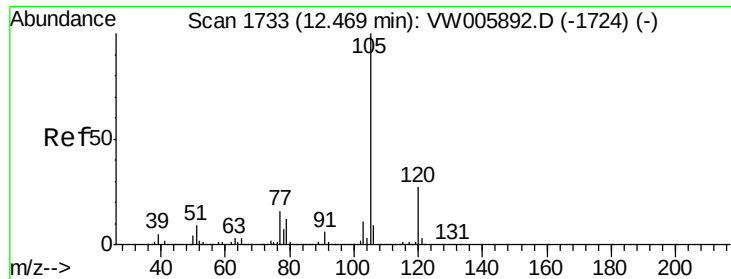
115 55.1 28.3 85.0

150 175.5 0.0 349.2



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





#73

Isopropylbenzene

Concen: 50.921 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

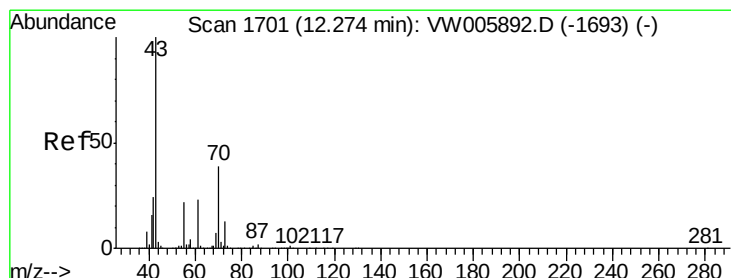
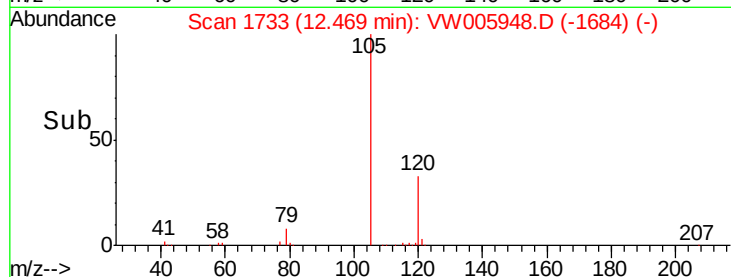
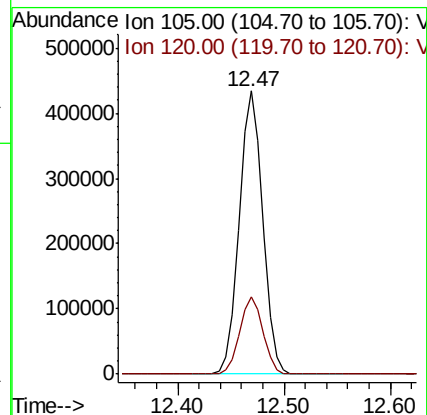
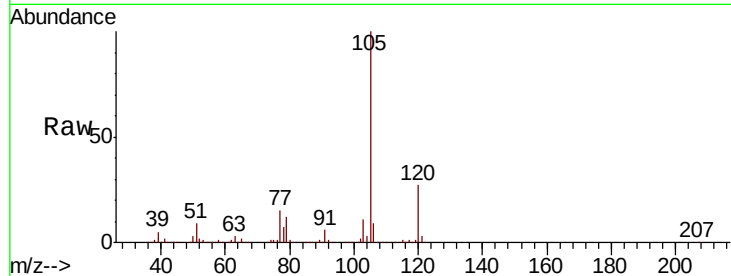
VSTDCCC050

Tgt Ion: 105 Resp: 671379

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.8



#74

N-ethyl acetate

Concen: 49.786 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Tgt Ion: 43 Resp: 155895

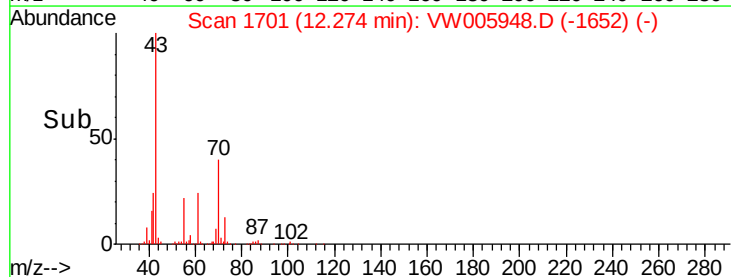
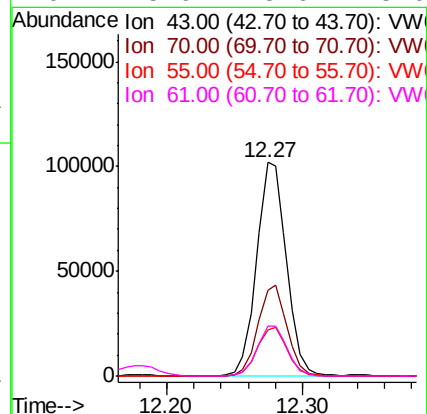
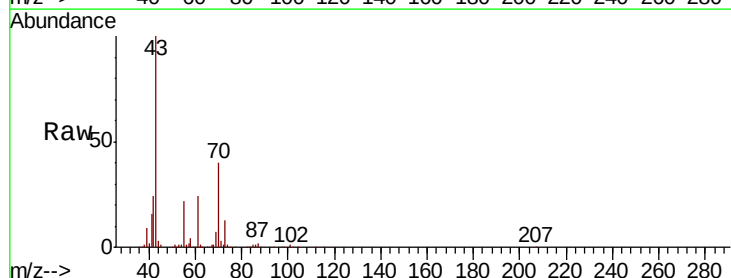
Ion Ratio Lower Upper

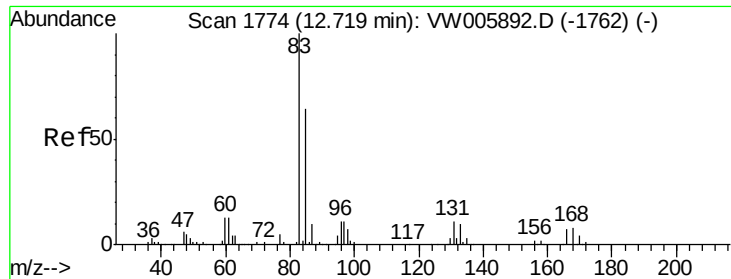
43 100

70 41.8 31.6 47.4

55 23.4 17.9 26.9

61 23.9 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.540 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

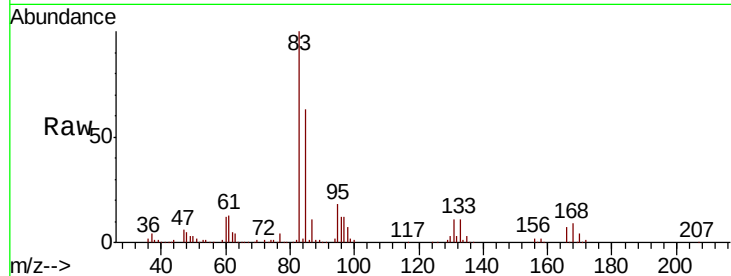
Tgt Ion: 83 Resp: 115702

Ion Ratio Lower Upper

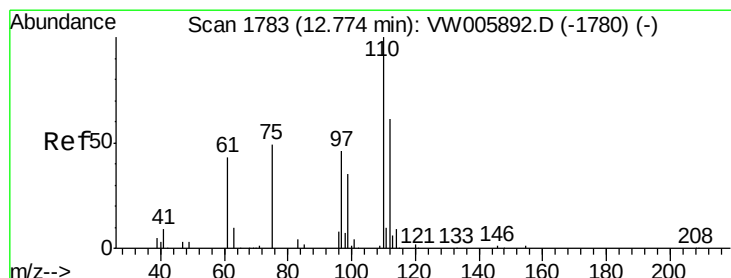
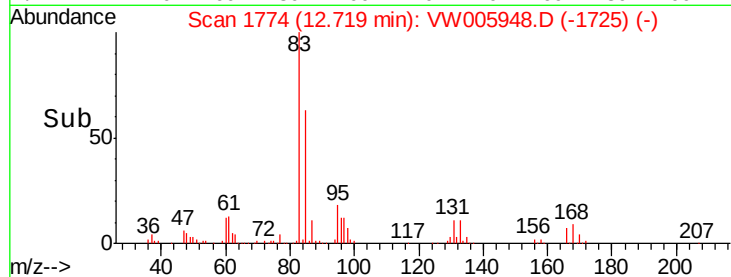
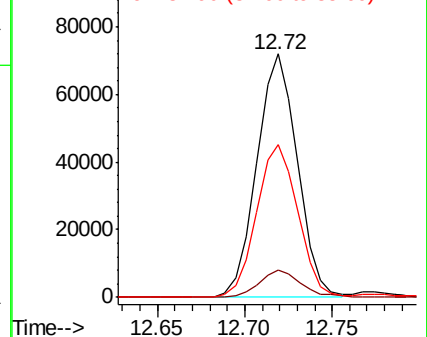
83 100

131 11.6 5.8 17.3

85 64.1 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 95.814 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005948.D

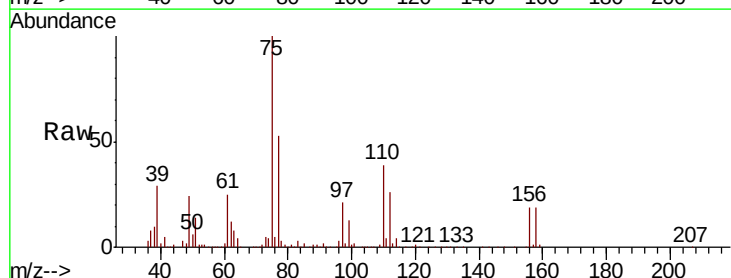
Acq: 09 Oct 2018 19:46

Tgt Ion: 75 Resp: 154515

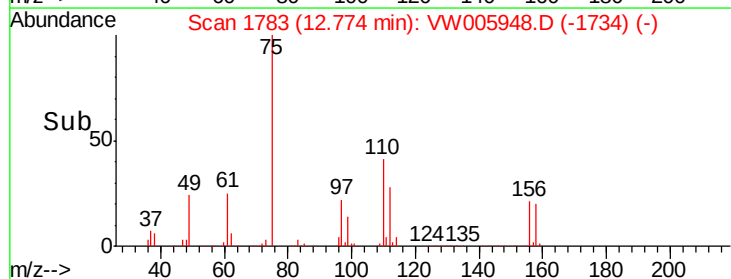
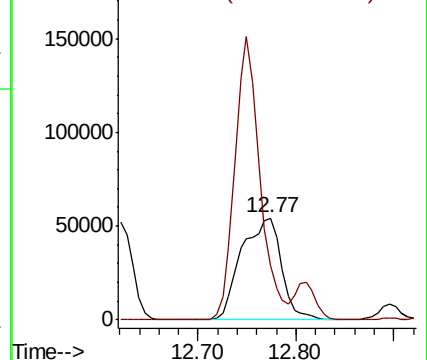
Ion Ratio Lower Upper

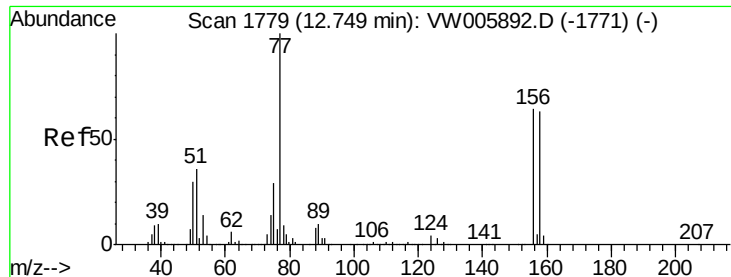
75 100

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: 53.335 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

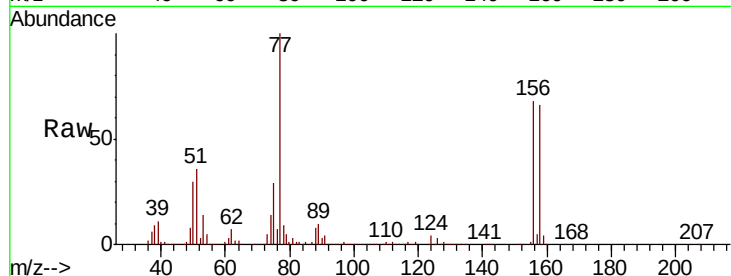
Tgt Ion:156 Resp: 166603

Ion Ratio Lower Upper

156 100

77 162.5 85.8 257.4

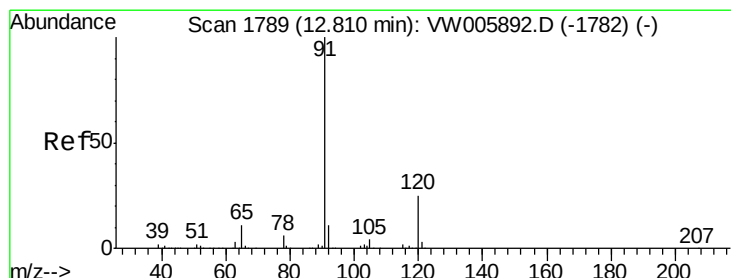
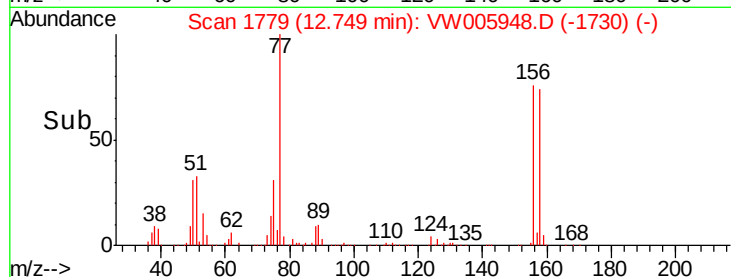
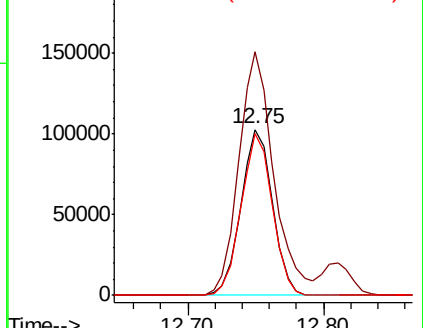
158 96.5 49.1 147.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.391 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW005948.D

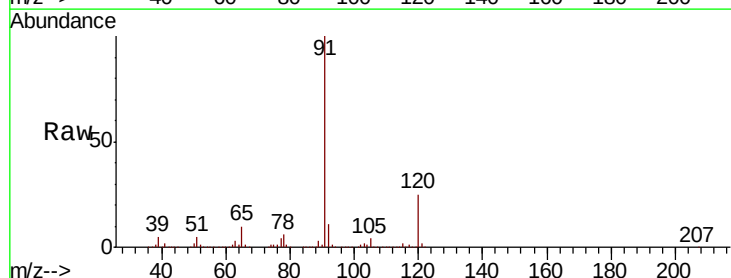
Acq: 09 Oct 2018 19:46

Tgt Ion: 91 Resp: 781545

Ion Ratio Lower Upper

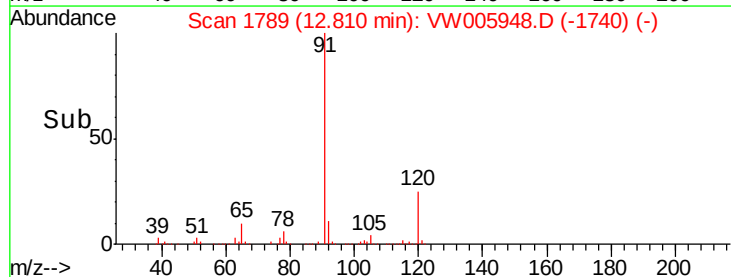
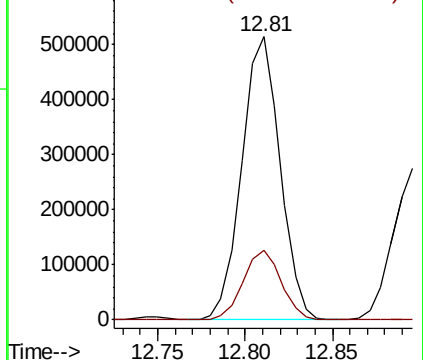
91 100

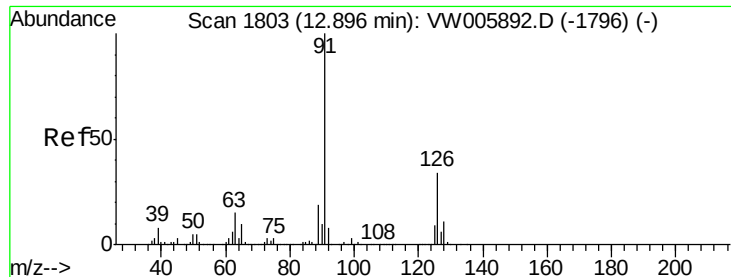
120 24.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

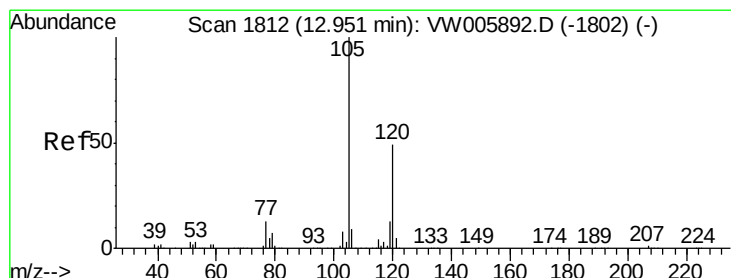
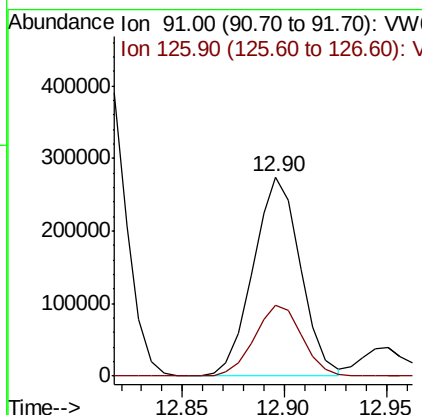
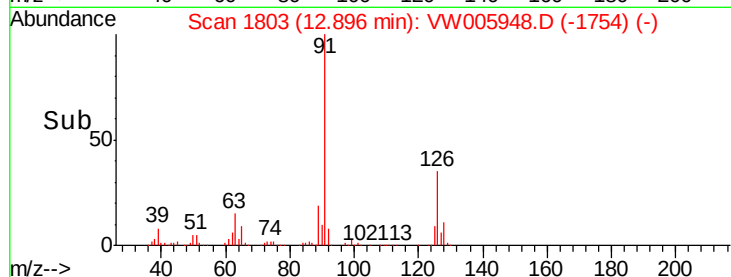
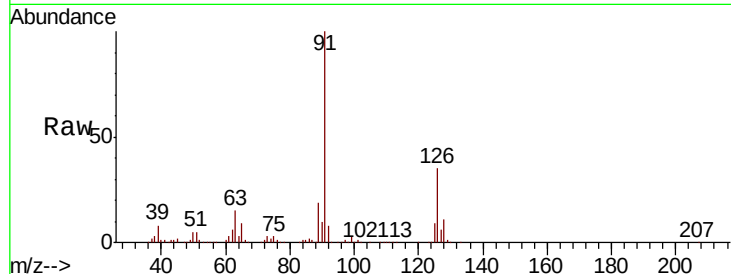




#79
 2-Chlorotoluene
 Concen: 50.292 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

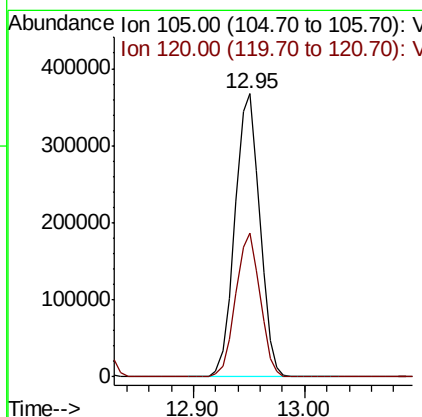
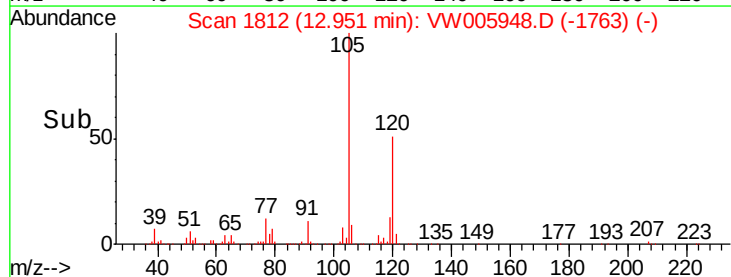
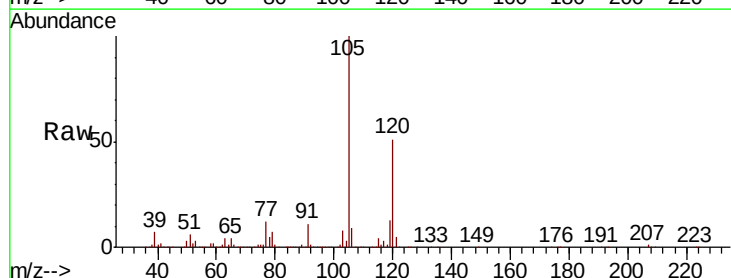
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

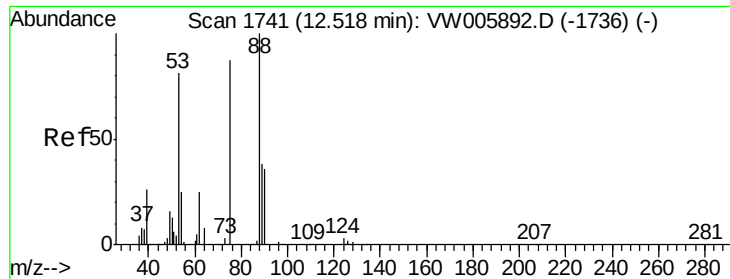
Tgt Ion: 91 Resp: 440317
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.5 52.5



#80
 1,3,5-Trimethylbenzene
 Concen: 50.947 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

Tgt Ion: 105 Resp: 567105
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 47.471 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

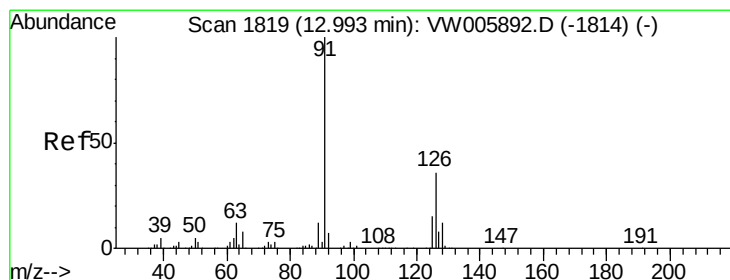
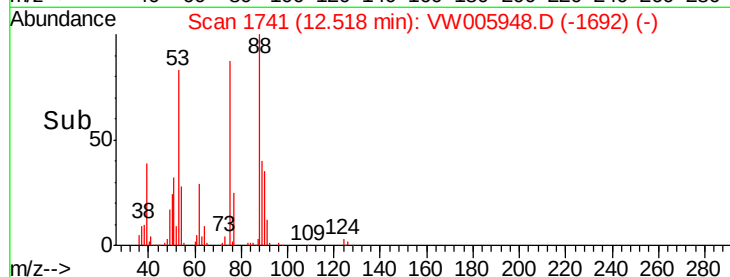
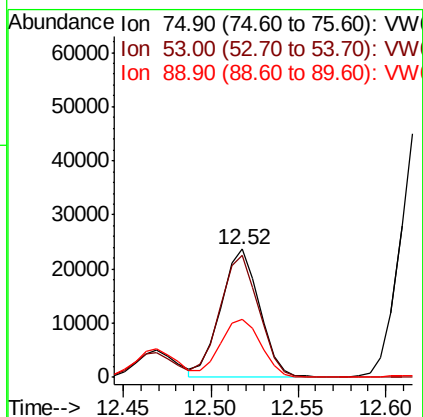
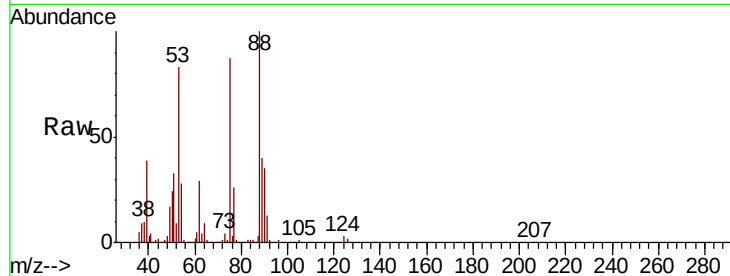
Tgt Ion: 75 Resp: 36263

Ion Ratio Lower Upper

75 100

53 97.3 76.5 114.7

89 47.3 37.6 56.4



#82

4-Chlorotoluene

Concen: 51.002 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW005948.D

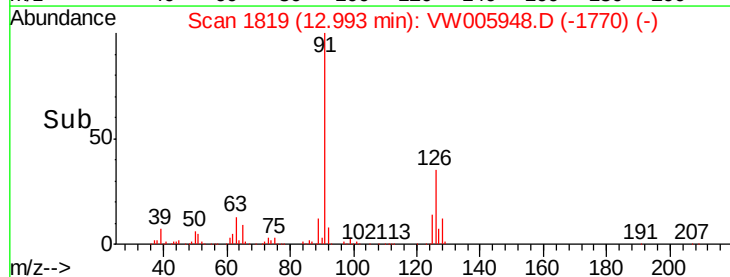
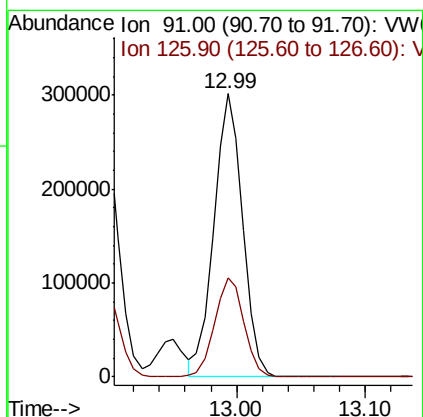
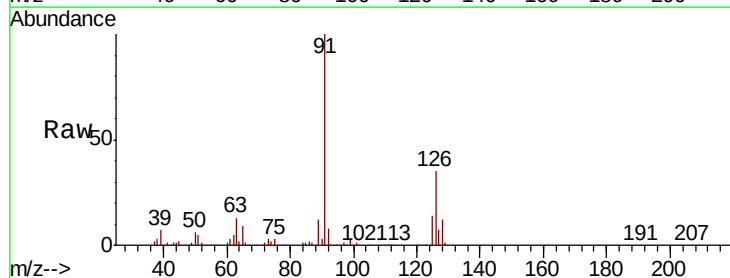
Acq: 09 Oct 2018 19:46

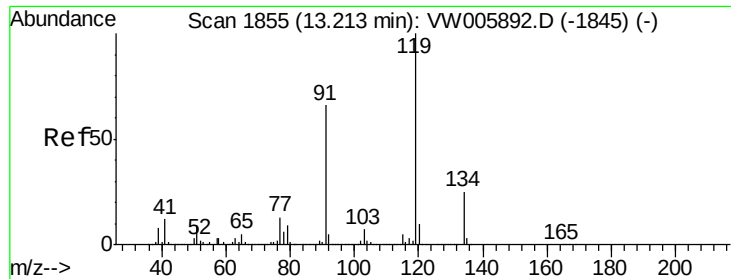
Tgt Ion: 91 Resp: 469812

Ion Ratio Lower Upper

91 100

126 35.8 17.4 52.2





#83

tert-Butylbenzene

Concen: 51.736 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

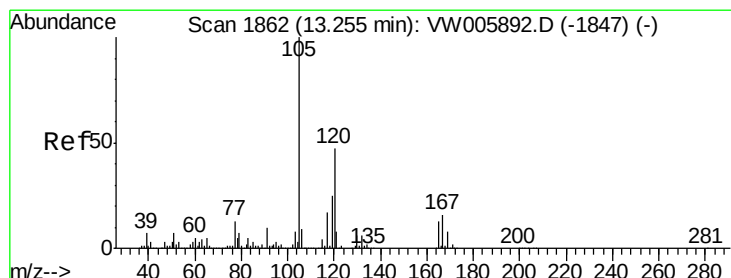
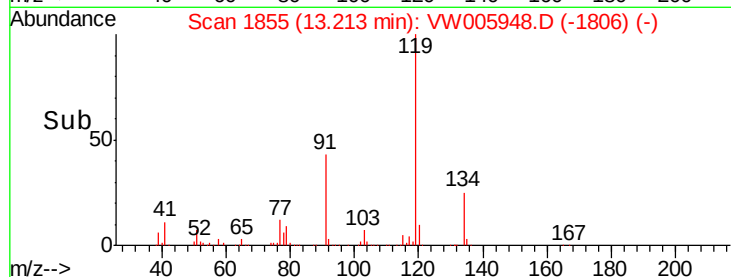
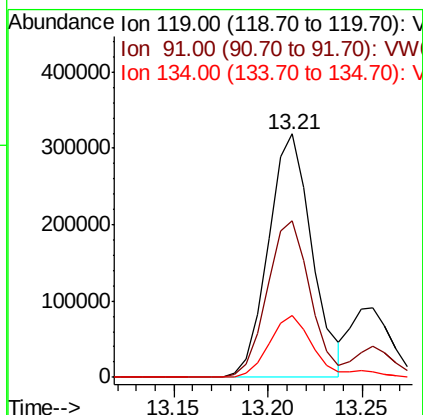
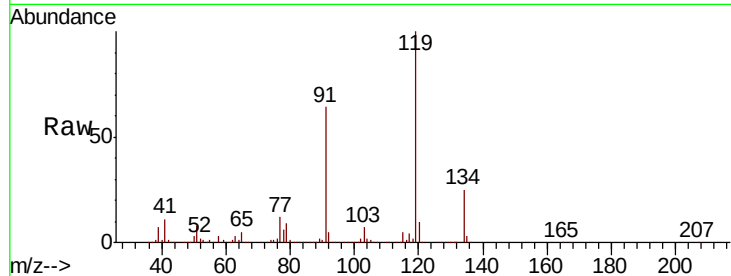
Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 512205

Ion	Ratio	Lower	Upper
119	100		
91	63.3	32.4	97.0
134	24.9	13.2	39.6



#84

1,2,4-Trimethylbenzene

Concen: 51.671 ug/l

RT: 13.26 min Scan# 1862

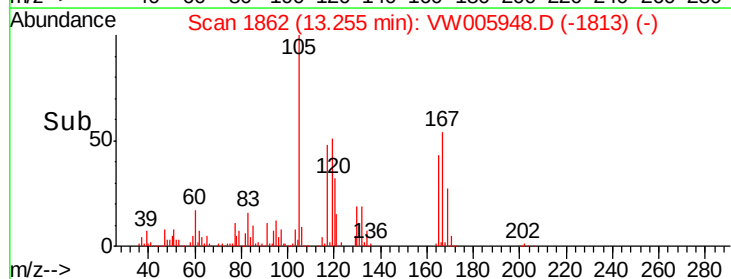
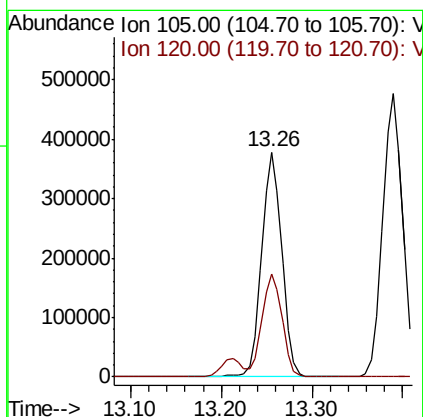
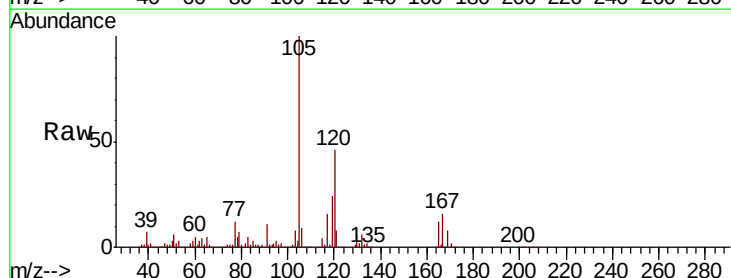
Delta R.T. 0.00 min

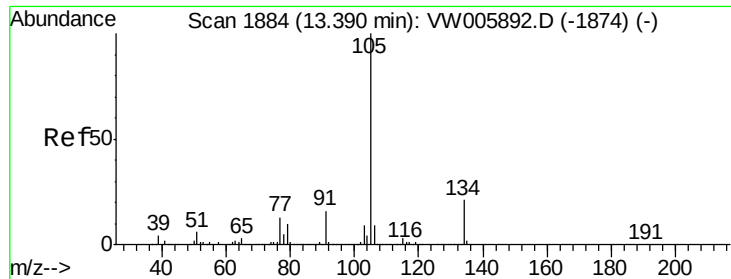
Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Tgt Ion:105 Resp: 580174

Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.3

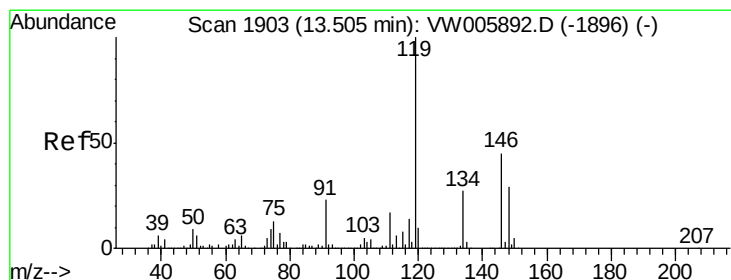
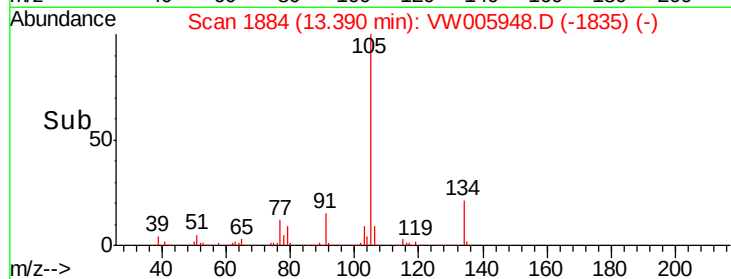
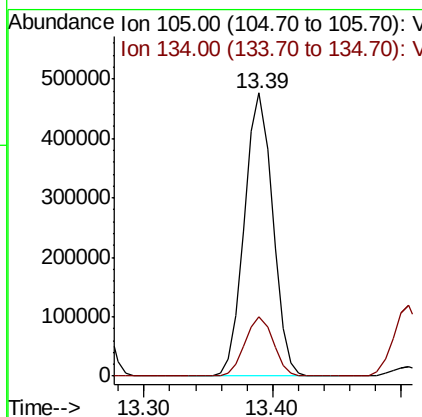
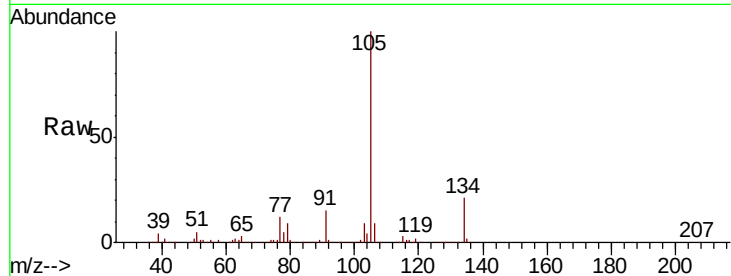




#85
 sec-Butylbenzene
 Concen: 51.984 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

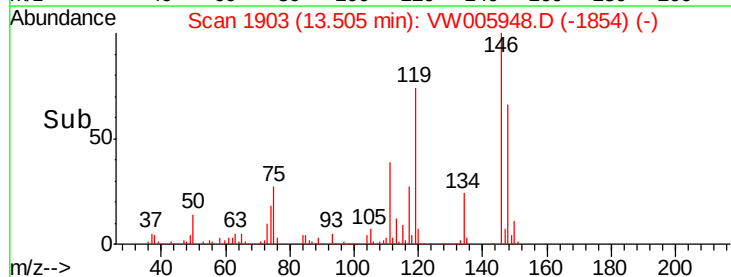
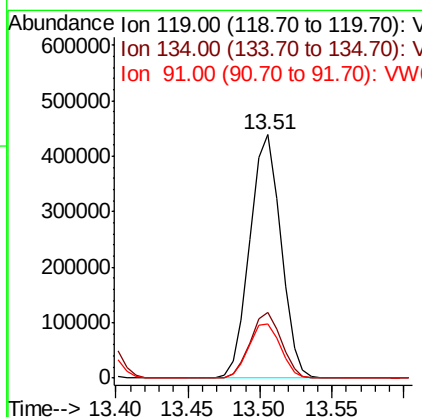
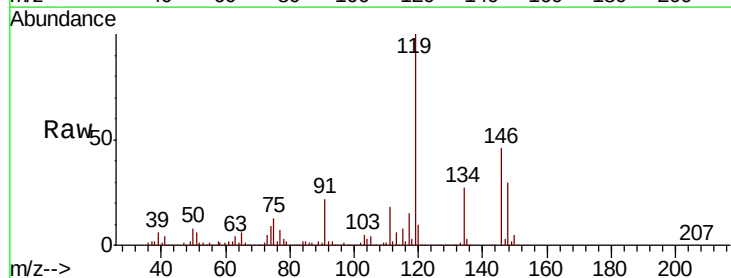
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

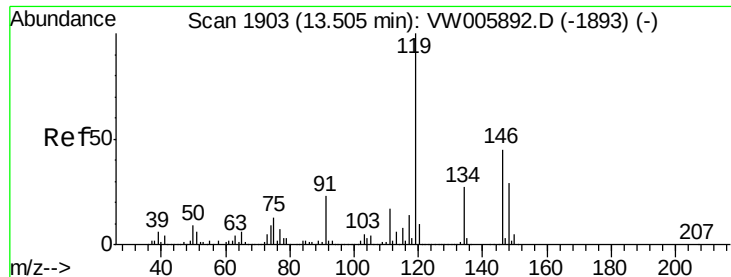
Tgt Ion:105 Resp: 722423
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 52.414 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

Tgt Ion:119 Resp: 655036
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.5 40.5
 91 23.1 11.9 35.5

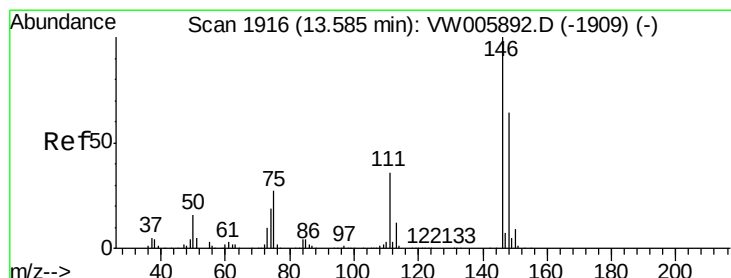
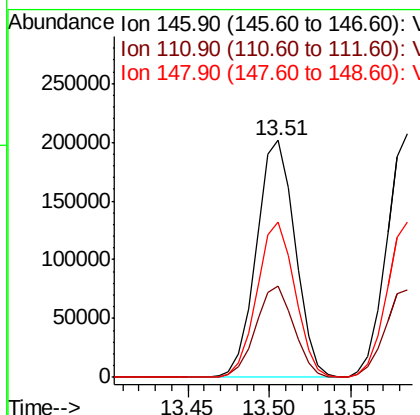
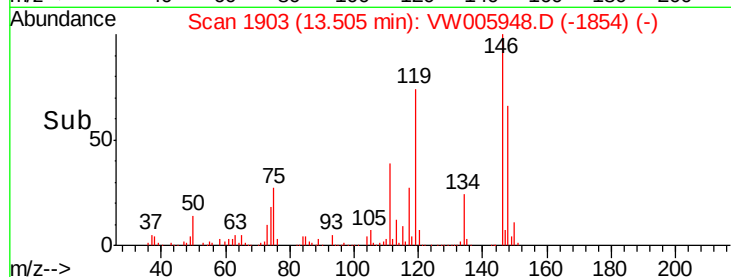
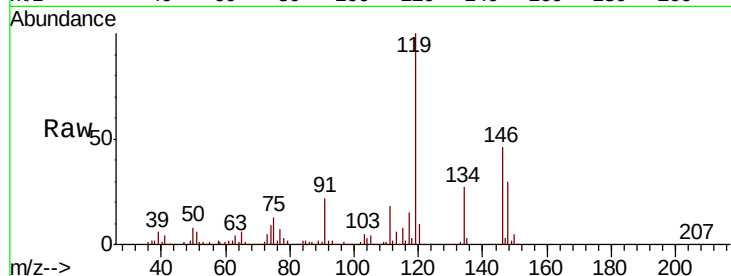




#87
 1,3-Dichlorobenzene
 Concen: 53.173 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

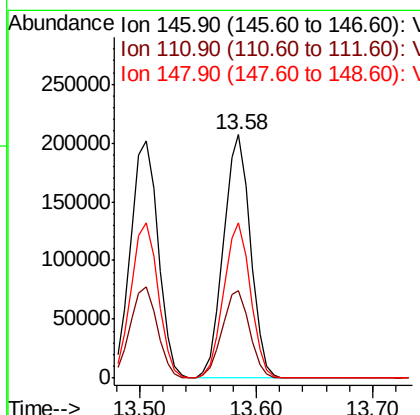
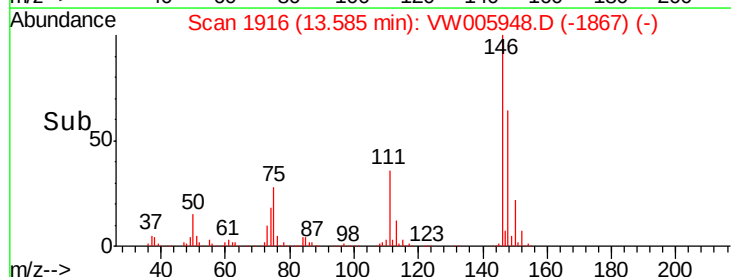
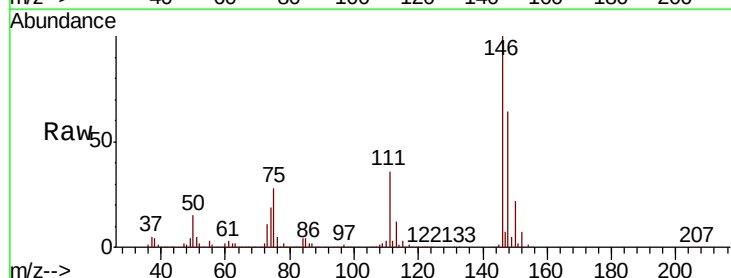
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

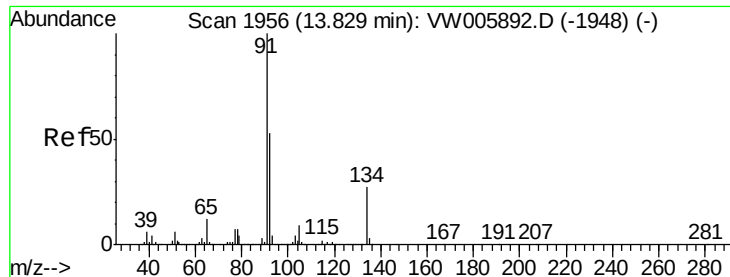
Tgt Ion:146 Resp: 329984
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.5 58.5
 148 64.8 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 53.685 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

Tgt Ion:146 Resp: 331065
 Ion Ratio Lower Upper
 146 100
 111 36.8 19.0 57.0
 148 63.7 32.0 96.2





#89

n-Butylbenzene

Concen: 51.713 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW005948.D

Acq: 09 Oct 2018 19:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

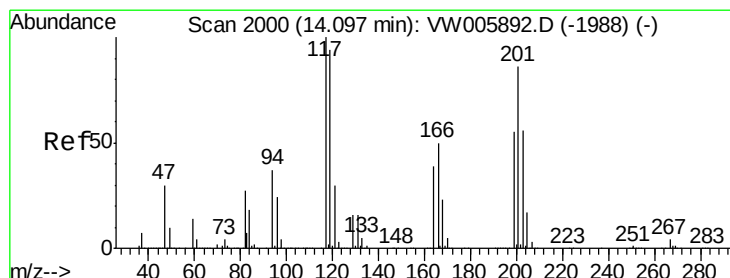
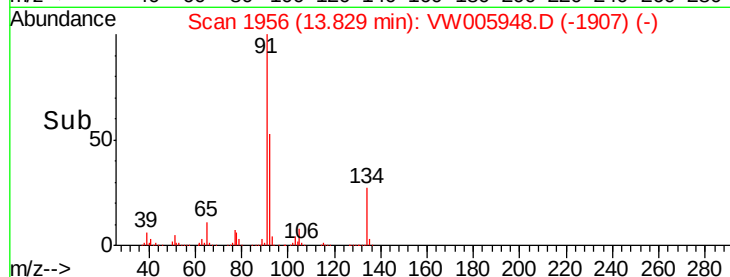
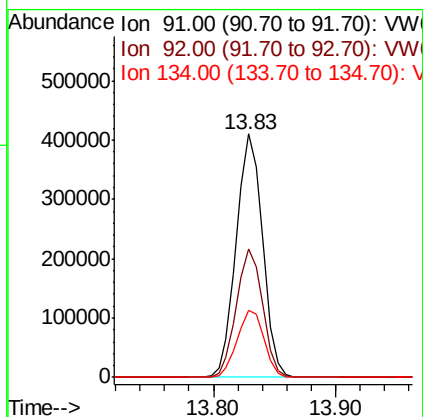
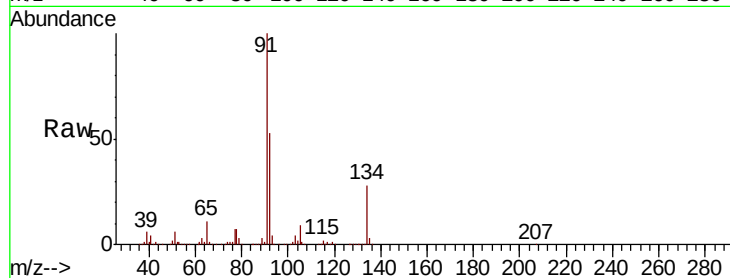
Tgt Ion: 91 Resp: 609198

Ion Ratio Lower Upper

91 100

92 52.6 26.6 79.8

134 28.1 13.8 41.4



#90

Hexachloroethane

Concen: 49.595 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW005948.D

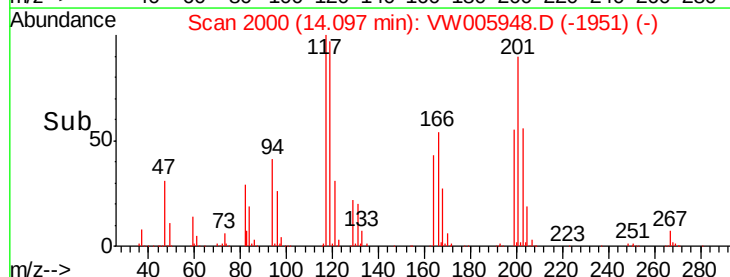
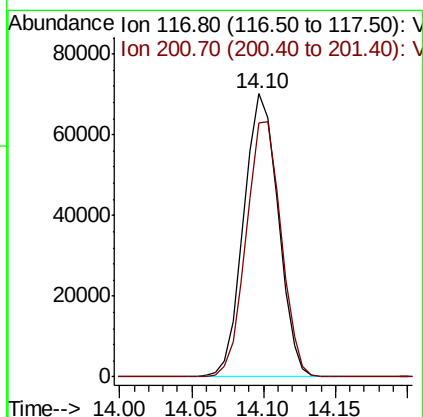
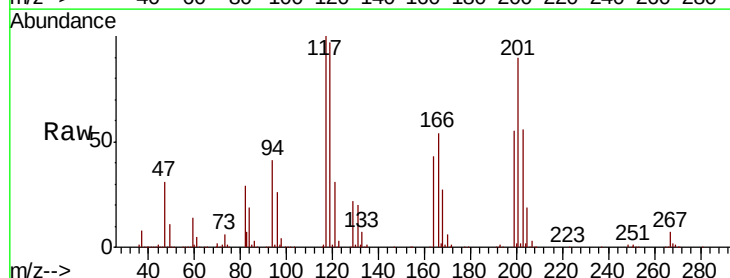
Acq: 09 Oct 2018 19:46

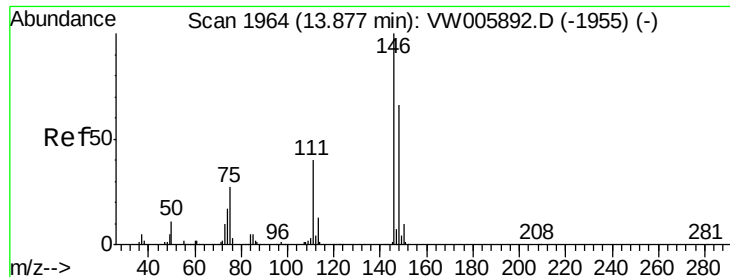
Tgt Ion: 117 Resp: 116571

Ion Ratio Lower Upper

117 100

201 91.0 44.5 133.5

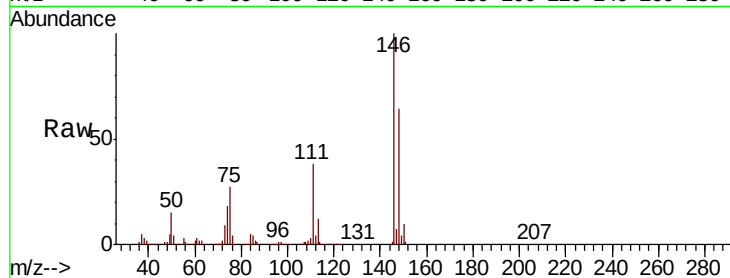




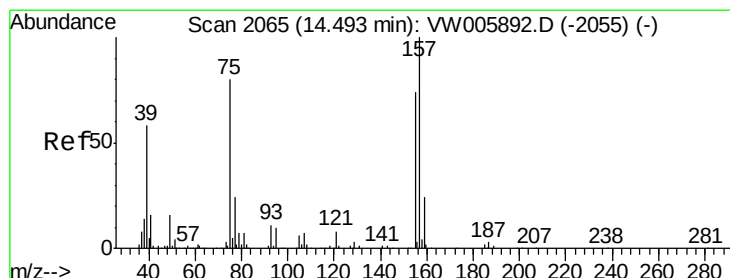
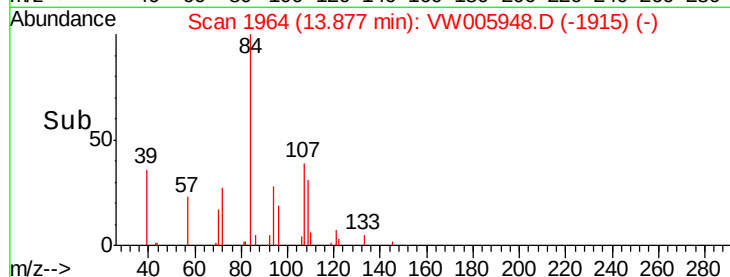
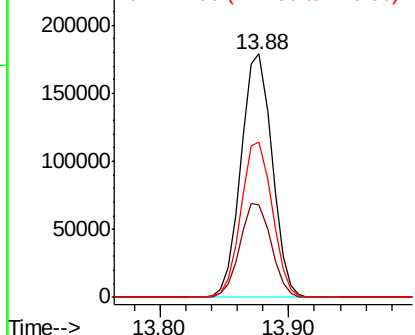
#91
 1,2-Dichlorobenzene
 Concen: 54.112 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.3	61.0
148	64.1	32.5	97.4

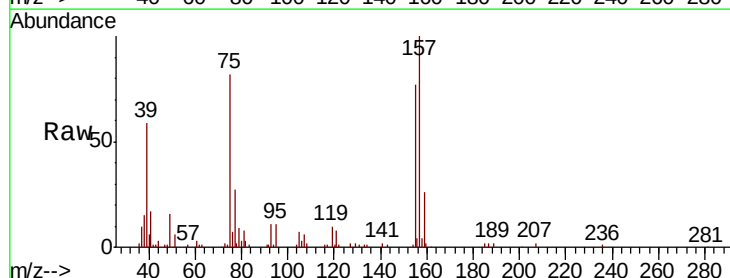


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

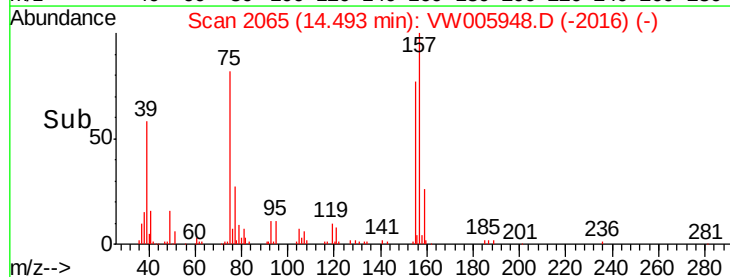
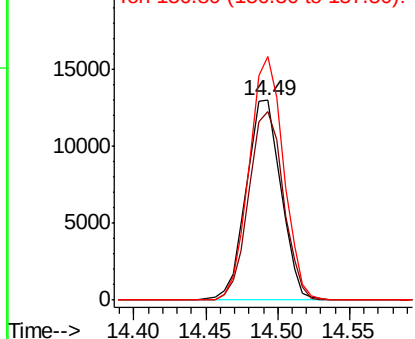


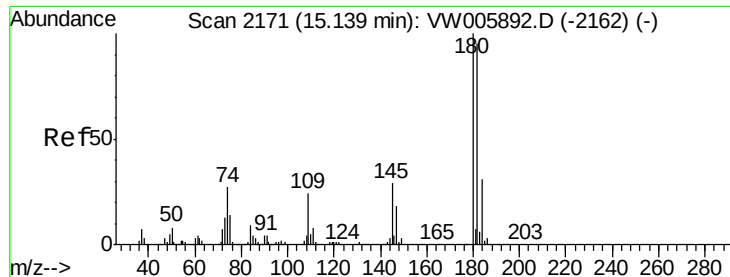
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.058 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.8	44.8	134.3
157	119.5	58.9	176.6



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

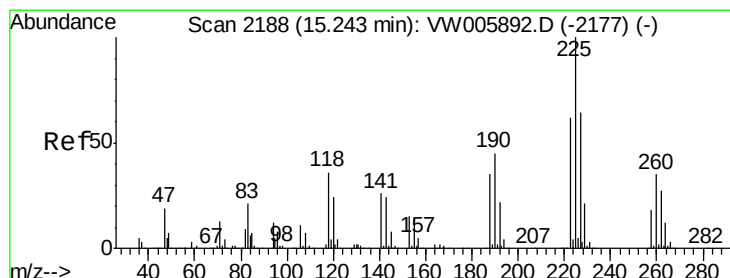
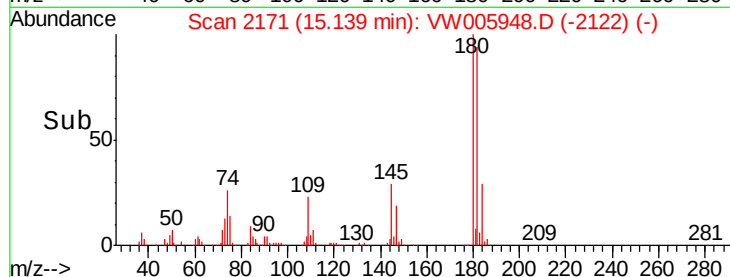
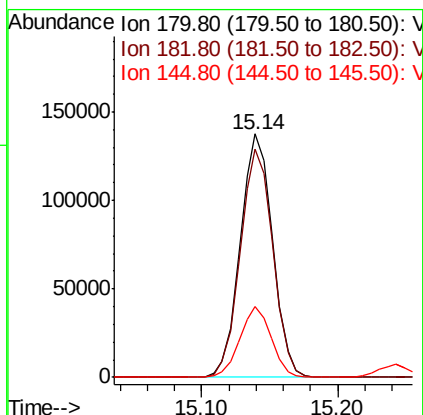
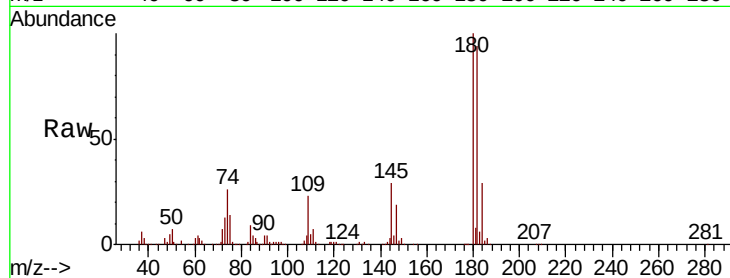




#93
 1,2,4-Trichlorobenzene
 Concen: 53.288 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

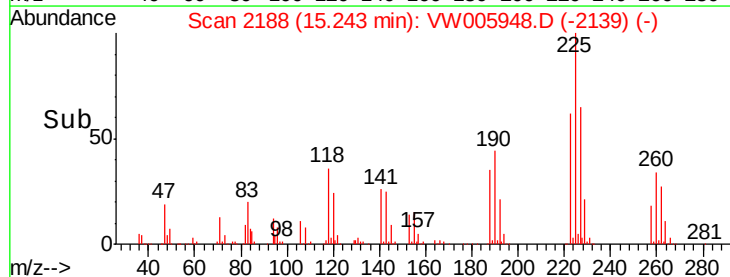
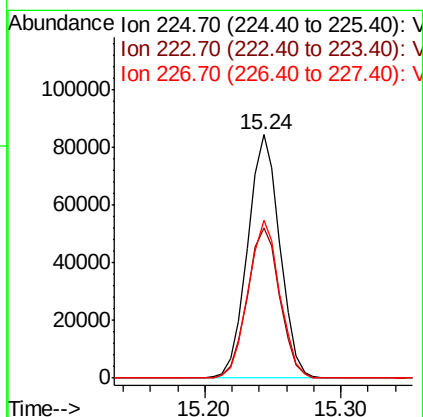
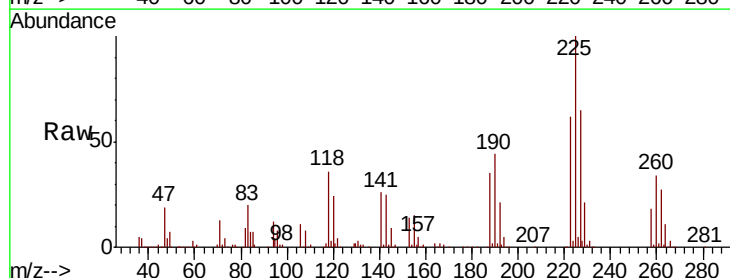
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

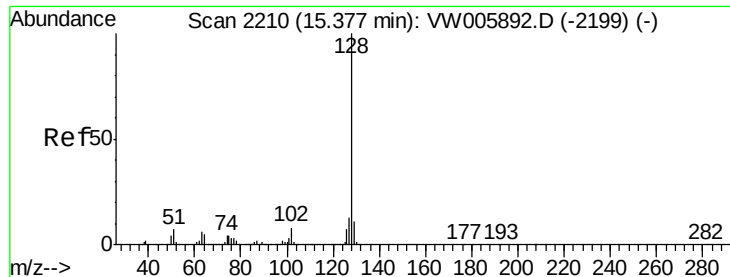
Tgt Ion:180 Resp: 227652
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.8 143.3
 145 28.2 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 52.404 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW005948.D
 Acq: 09 Oct 2018 19:46

Tgt Ion:225 Resp: 139737
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.2 93.6
 227 63.8 31.9 95.9

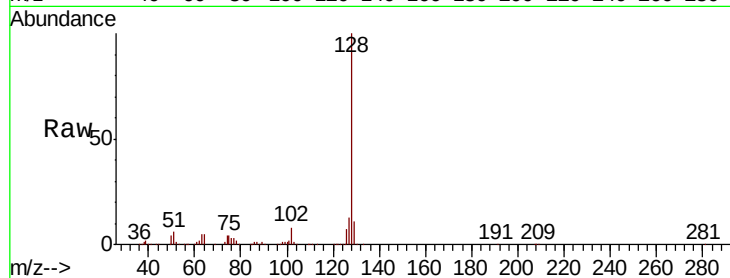




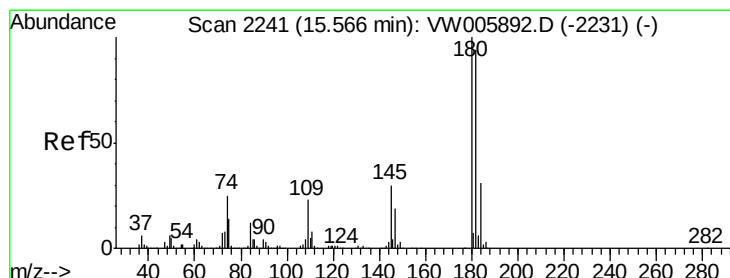
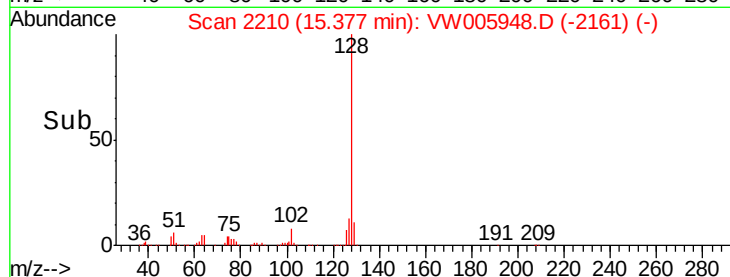
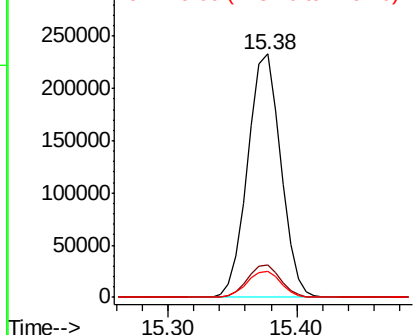
#95
Naphthalene
Concen: 56.040 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005948.D
Acq: 09 Oct 2018 19:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 412661
Ion Ratio Lower Upper
128 100
127 13.5 10.5 15.7
129 10.9 8.9 13.3

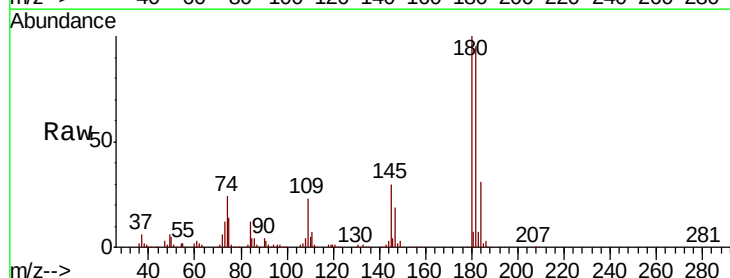


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 53.758 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW005948.D
Acq: 09 Oct 2018 19:46

Tgt Ion:180 Resp: 198854
Ion Ratio Lower Upper
180 100
182 95.8 47.6 142.8
145 30.5 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

