

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091718\
 Data File : VW005447.D
 Acq On : 17 Sep 2018 21:24
 Operator : SY/AP
 Sample : VSTDCCC050EC
 Misc : 5.60G/5ML/MSVOA_W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 18 01:05:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	289809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	438844	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	419597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	218932	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.32	65	131740	43.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.58%	
35) Dibromofluoromethane	7.89	113	111163	45.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.36%	
50) Toluene-d8	10.33	98	548089	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
62) 4-Bromofluorobenzene	12.62	95	203496	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	116563	47.116	ug/l	100
3) Chloromethane	2.21	50	164606	48.118	ug/l	98
4) Vinyl Chloride	2.36	62	147598	46.060	ug/l	97
5) Bromomethane	2.78	94	90479	45.941	ug/l	100
6) Chloroethane	2.92	64	84318	44.395	ug/l	99
7) Trichlorofluoromethane	3.26	101	179280	42.227	ug/l	100
8) Diethyl Ether	3.69	74	61593	48.817	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	112423	45.407	ug/l	98
10) Methyl Iodide	4.28	142	140579	45.078	ug/l	97
11) Tert butyl alcohol	5.21	59	45425	250.805	ug/l	100
12) 1,1-Dichloroethene	4.04	96	104269	46.502	ug/l	96
13) Acrolein	3.90	56	33278	258.580	ug/l	99
14) Allyl chloride	4.68	41	218024	52.255	ug/l	94
15) Acrylonitrile	5.38	53	149246	258.610	ug/l	99
16) Acetone	4.15	43	117568	273.462	ug/l	97
17) Carbon Disulfide	4.39	76	364105	46.097	ug/l	99
18) Methyl Acetate	4.69	43	73830	51.074	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	305718	50.213	ug/l	97
20) Methylene Chloride	4.92	84	158596	53.548	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	126180	47.122	ug/l	99
22) Diisopropyl ether	6.32	45	449440	54.798	ug/l	98
23) Vinyl Acetate	6.27	43	1261196	269.860	ug/l	99
24) 1,1-Dichloroethane	6.23	63	240988	48.419	ug/l	98
25) 2-Butanone	7.18	43	192776	266.397	ug/l	96
26) 2,2-Dichloropropane	7.18	77	209367	46.895	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	138855	47.671	ug/l	99
28) Bromochloromethane	7.52	49	102462	52.928	ug/l #	93
29) Tetrahydrofuran	7.54	42	124958	271.057	ug/l	97
30) Chloroform	7.68	83	238950	46.362	ug/l	98
31) Cyclohexane	7.96	56	239468	49.875	ug/l	98
32) 1,1,1-Trichloroethane	7.88	97	221839	46.289	ug/l	100
36) 1,1-Dichloropropene	8.09	75	198816	47.871	ug/l	100
37) Ethyl Acetate	7.26	43	85552	50.654	ug/l	99
38) Carbon Tetrachloride	8.07	117	193843	44.791	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	248235	51.439	ug/l	99
40) Benzene	8.33	78	585464	48.664	ug/l	99
41) Methacrylonitrile	7.49	41	53111	52.122	ug/l	96
42) 1,2-Dichloroethane	8.41	62	164198	43.605	ug/l	98
43) Isopropyl Acetate	8.43	43	171570	52.052	ug/l	98
44) Trichloroethene	9.10	130	144846	46.777	ug/l	98
45) 1,2-Dichloropropane	9.38	63	148005	51.490	ug/l	99
46) Dibromomethane	9.46	93	66661	47.144	ug/l	98
47) Bromodichloromethane	9.65	83	182696	47.688	ug/l	99
48) Methyl methacrylate	9.45	41	88899	54.043	ug/l	97
49) 1,4-Dioxane	9.48	88	24789	1051.845	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	460087	271.149	ug/l	100
52) Toluene	10.40	92	403646	49.543	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	191357	49.910	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	219168	50.486	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	100559	47.850	ug/l	98
56) Ethyl methacrylate	10.65	69	144103	54.174	ug/l	98
57) 1,3-Dichloropropane	10.94	76	180535	49.768	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	335339	278.729	ug/l	97
59) 2-Hexanone	10.98	43	325868	281.940	ug/l	99
60) Dibromochloromethane	11.13	129	119048	47.081	ug/l	100
61) 1,2-Dibromoethane	11.24	107	91612	48.607	ug/l	100
64) Tetrachloroethene	10.87	164	149149	48.096	ug/l	97
65) Chlorobenzene	11.66	112	435613	48.917	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	135696	47.675	ug/l	99
67) Ethyl Benzene	11.74	91	800154	51.093	ug/l	99
68) m/p-Xylenes	11.85	106	608255	100.917	ug/l	99
69) o-Xylene	12.17	106	288093	51.328	ug/l	100
70) Styrene	12.19	104	480211	51.844	ug/l	99
71) Bromoform	12.35	173	72116	47.895	ug/l #	99
73) Isopropylbenzene	12.47	105	792086	51.569	ug/l	100
74) N-amyl acetate	12.28	43	184452	56.989	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	119172	53.185	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	168501	93.577	ug/l #	100
77) Bromobenzene	12.76	156	177124	48.776	ug/l	95
78) n-propylbenzene	12.81	91	969514	52.301	ug/l	100
79) 2-Chlorotoluene	12.90	91	557305	50.960	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	686021	51.188	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	36349	52.365	ug/l	99
82) 4-Chlorotoluene	12.99	91	581156	50.336	ug/l	100
83) tert-Butylbenzene	13.21	119	576796	51.816	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	697021	51.227	ug/l	100
85) sec-Butylbenzene	13.39	105	832244	51.743	ug/l	100
86) p-Isopropyltoluene	13.51	119	743934	51.720	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	361977	49.150	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	357102	49.239	ug/l	100
89) n-Butylbenzene	13.83	91	710002	53.008	ug/l	99
90) Hexachloroethane	14.10	117	122882	49.859	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	323509	50.264	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21324	49.551	ug/l	98

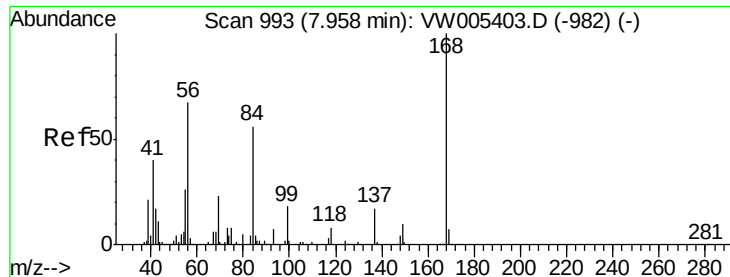
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	225270	52.457	ug/l	99
94) Hexachlorobutadiene	15.24	225	139207	49.639	ug/l	99
95) Naphthalene	15.38	128	389609	54.445	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	194589	51.919	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

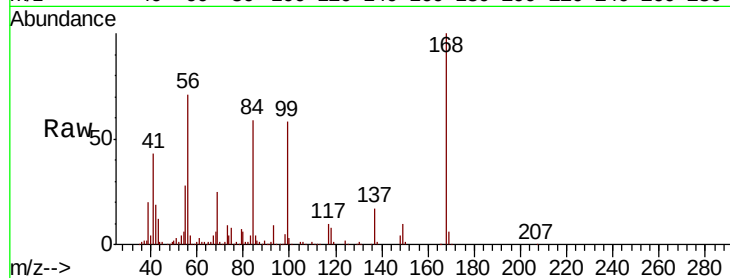
VSTDCCC050EC

Tgt Ion:168 Resp: 289809

Ion Ratio Lower Upper

168 100

99 57.4 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

150000

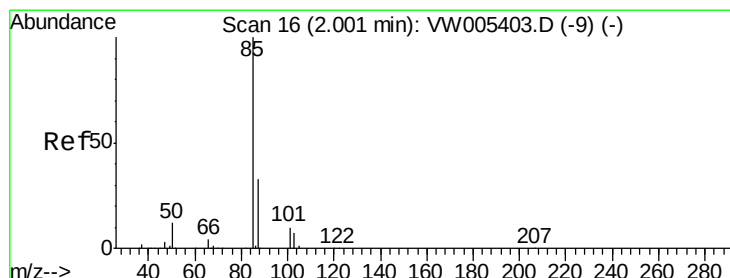
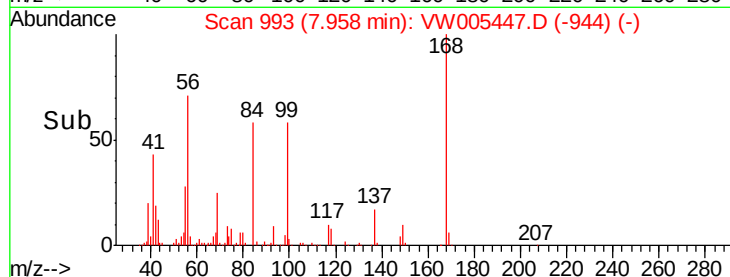
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.116 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW005447.D

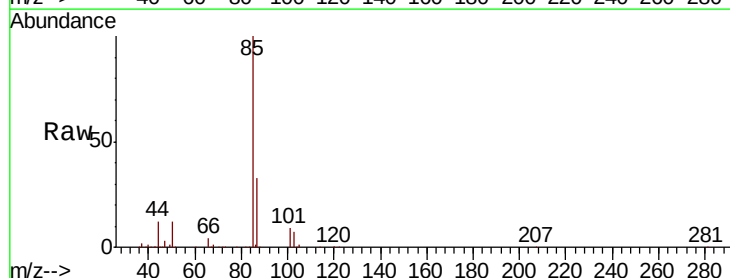
Acq: 17 Sep 2018 21:24

Tgt Ion: 85 Resp: 116563

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

80000

60000

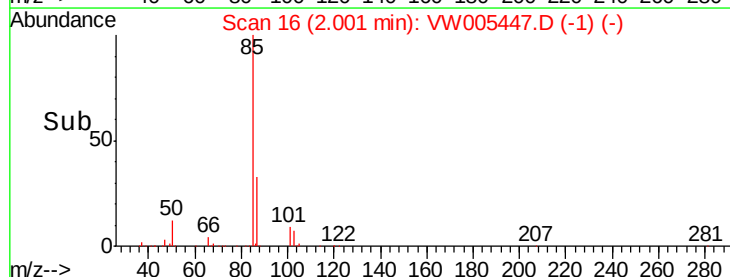
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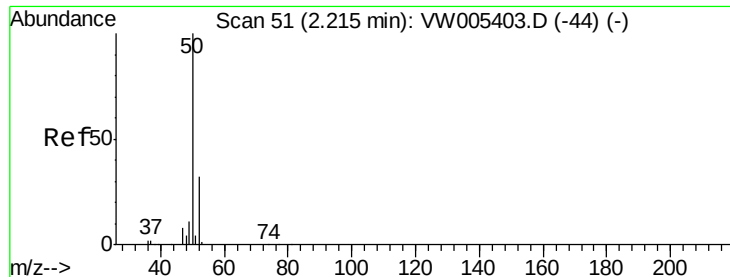
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 48.118 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

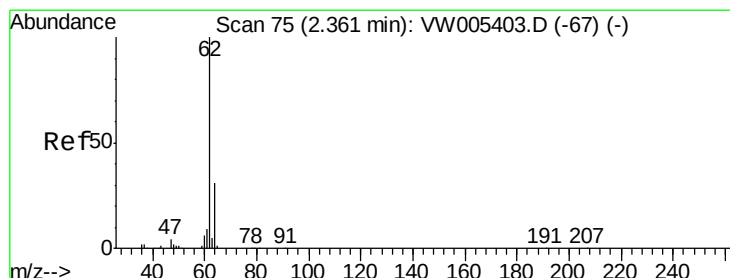
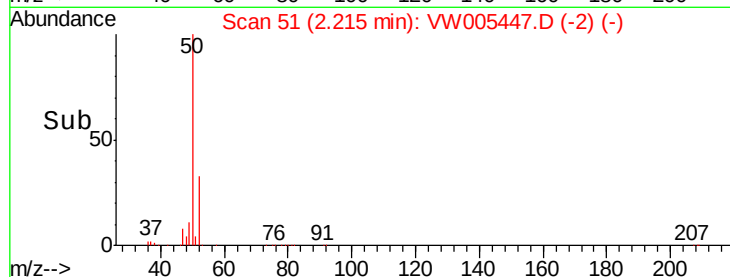
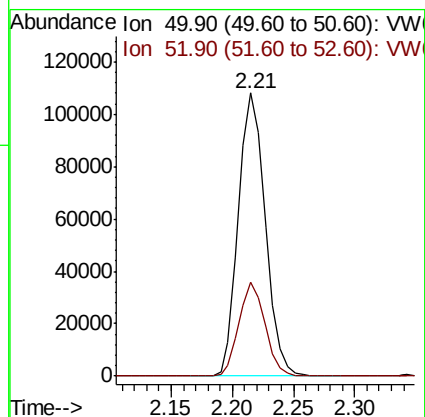
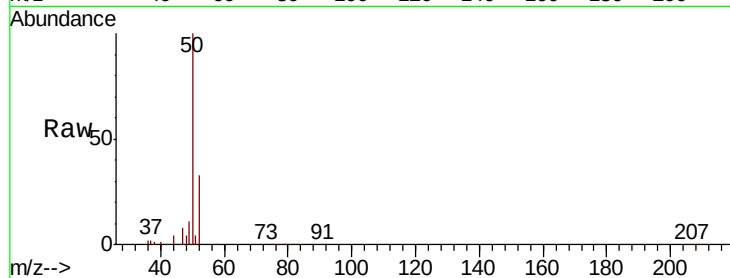
VSTDCCC050EC

Tgt Ion: 50 Resp: 164606

Ion Ratio Lower Upper

50 100

52 33.3 25.8 38.6



#4

Vinyl Chloride

Concen: 46.060 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW005447.D

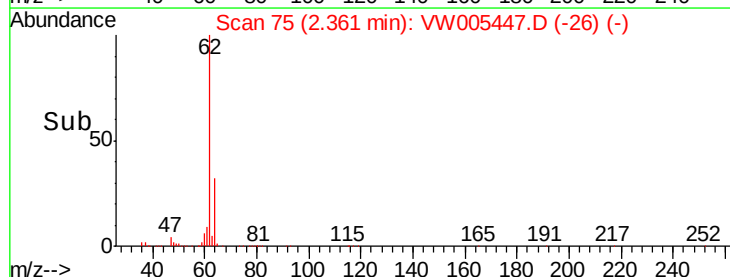
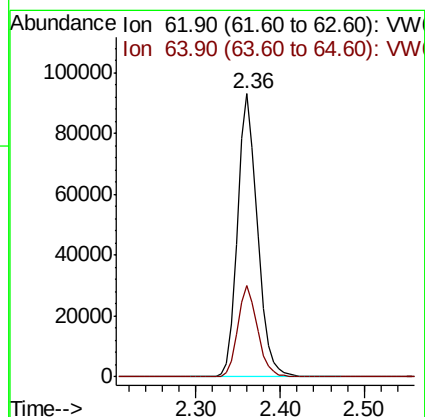
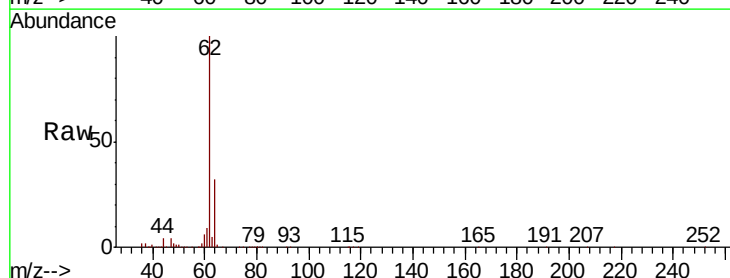
Acq: 17 Sep 2018 21:24

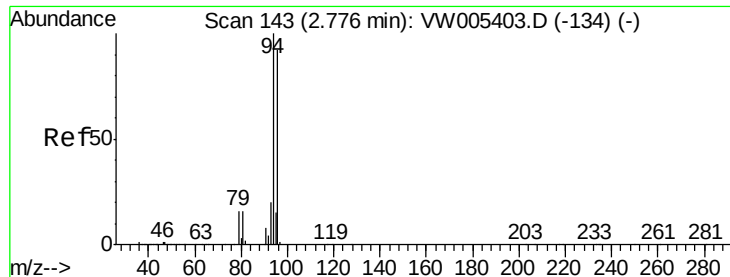
Tgt Ion: 62 Resp: 147598

Ion Ratio Lower Upper

62 100

64 32.4 24.5 36.7





#5

Bromomethane

Concen: 45.941 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

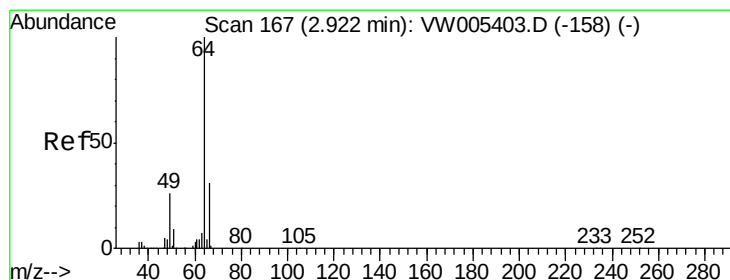
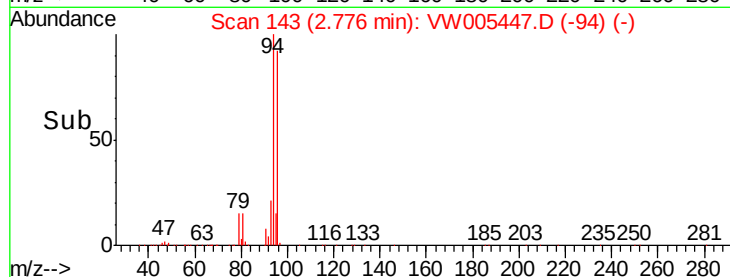
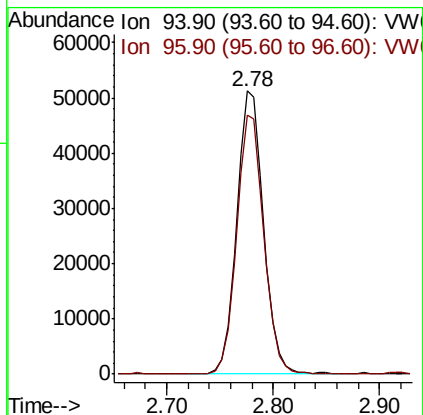
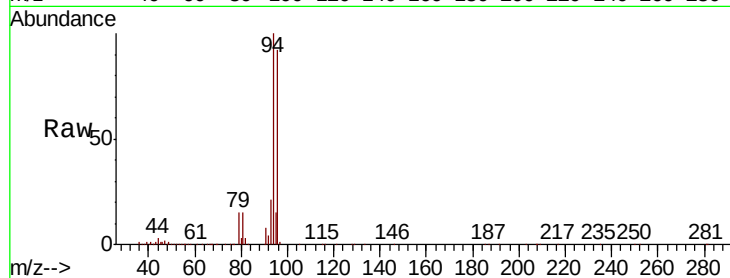
VSTDCCC050EC

Tgt Ion: 94 Resp: 90479

Ion Ratio Lower Upper

94 100

96 91.7 73.7 110.5



#6

Chloroethane

Concen: 44.395 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW005447.D

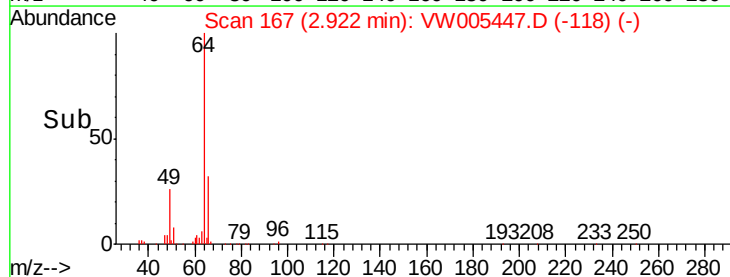
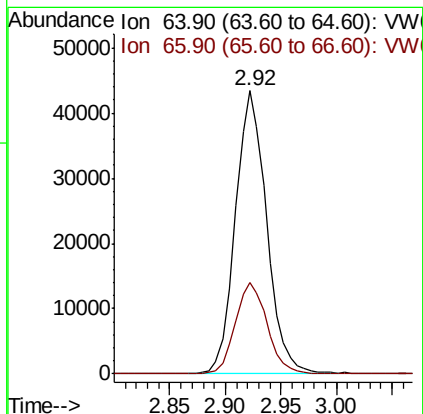
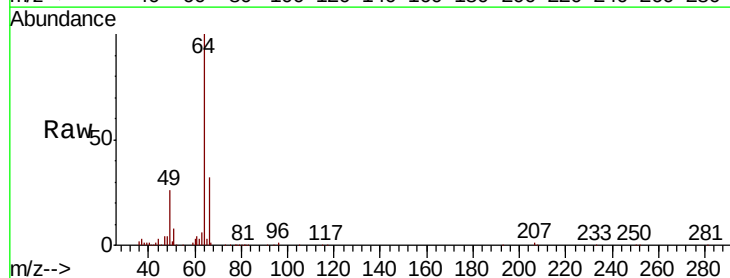
Acq: 17 Sep 2018 21:24

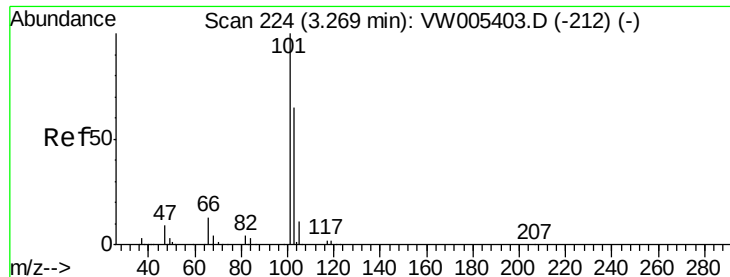
Tgt Ion: 64 Resp: 84318

Ion Ratio Lower Upper

64 100

66 32.2 25.2 37.8



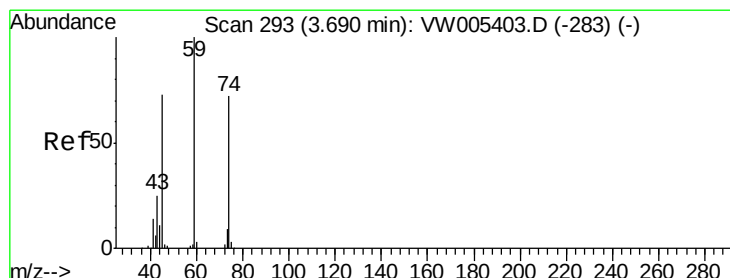
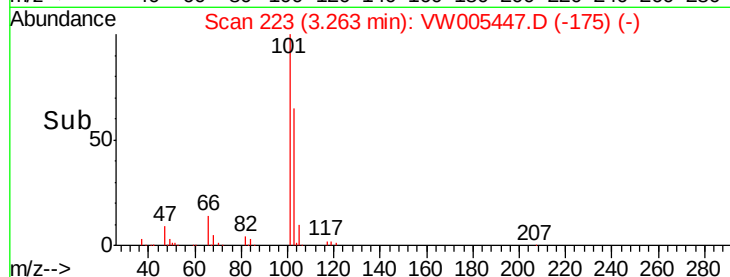
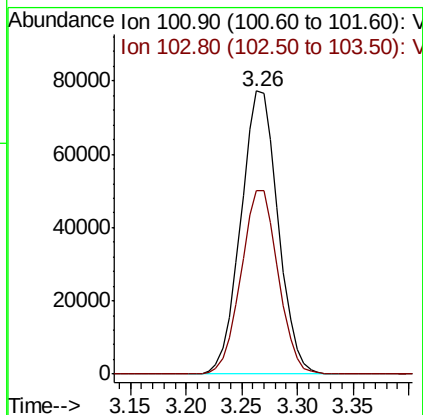
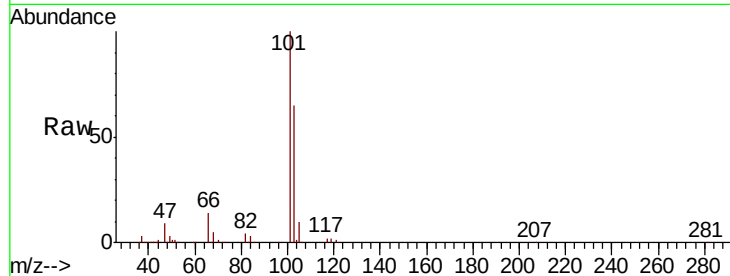


#7

Trichlorofluoromethane
 Concen: 42.227 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.01 min
 Lab File: VW005447.D
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 VSTDCCC050EC

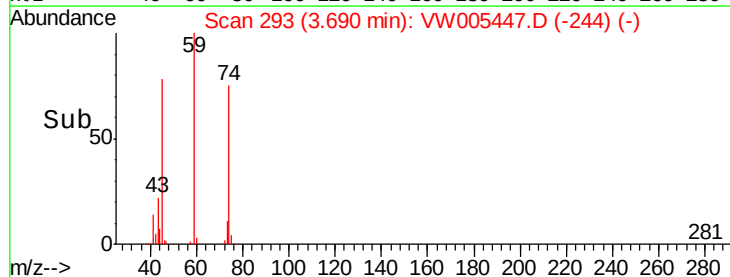
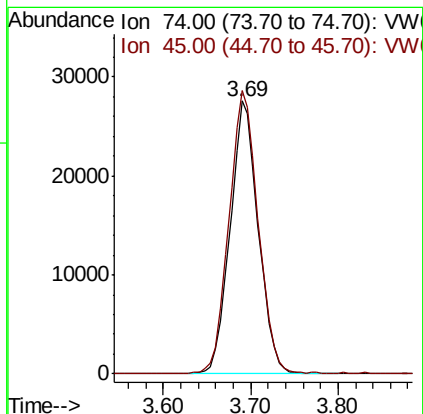
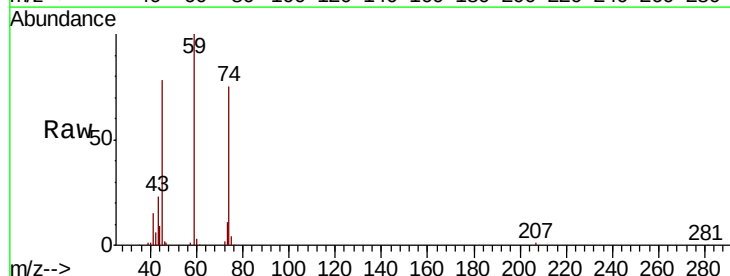
Tgt Ion: 101 Resp: 179280
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.7 77.5

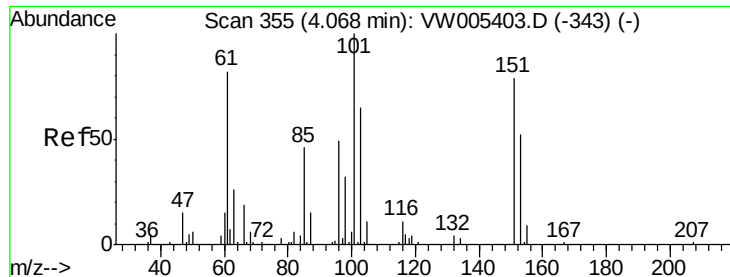


#8

Diethyl Ether
 Concen: 48.817 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

Tgt Ion: 74 Resp: 61593
 Ion Ratio Lower Upper
 74 100
 45 107.5 53.1 159.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.407 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

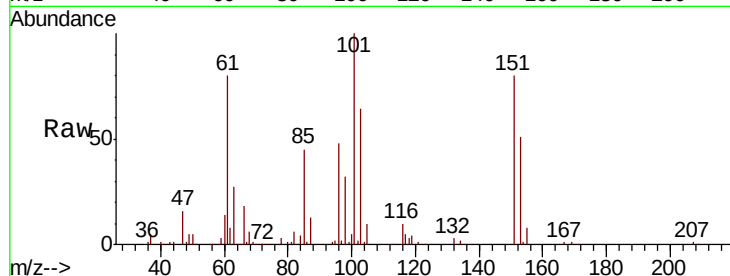
Tgt Ion:101 Resp: 112423

Ion Ratio Lower Upper

101 100

85 44.9 36.6 54.8

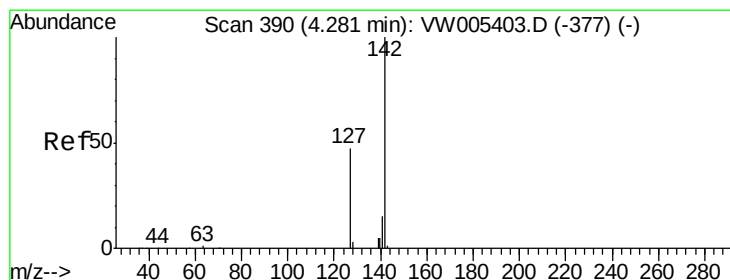
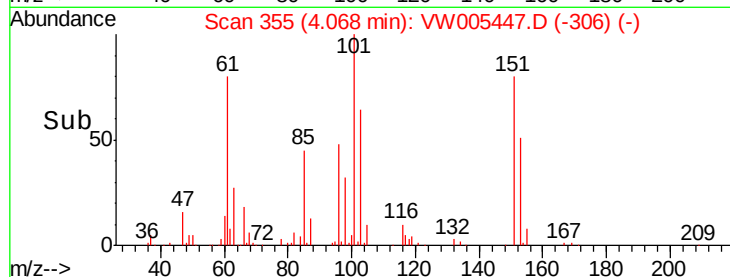
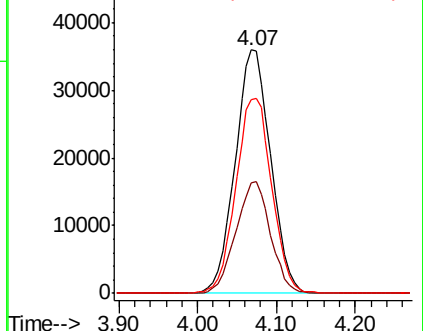
151 81.1 66.3 99.5



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: 45.078 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

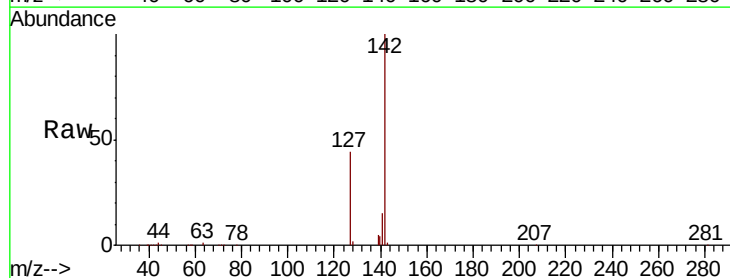
Tgt Ion:142 Resp: 140579

Ion Ratio Lower Upper

142 100

127 44.2 37.5 56.3

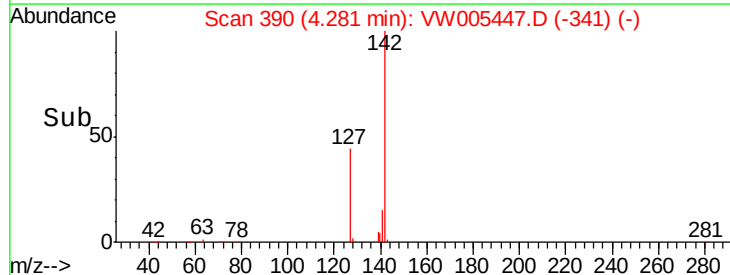
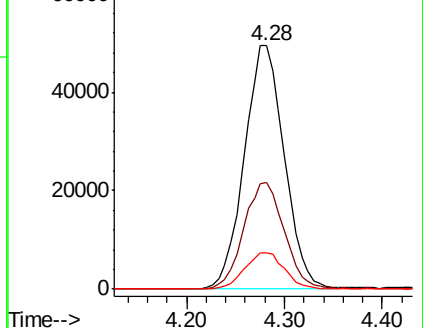
141 15.0 12.4 18.6

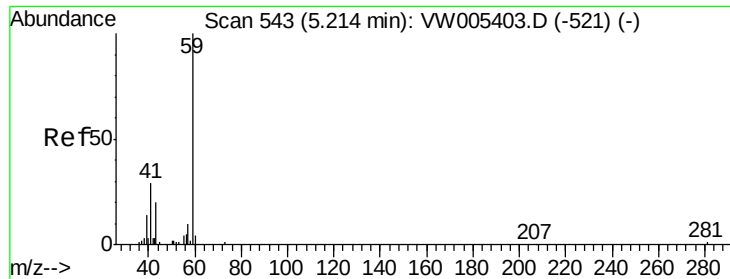


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



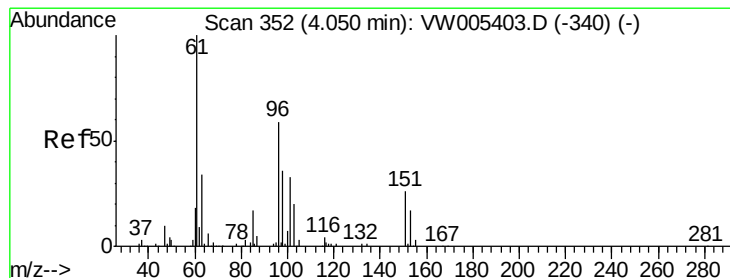
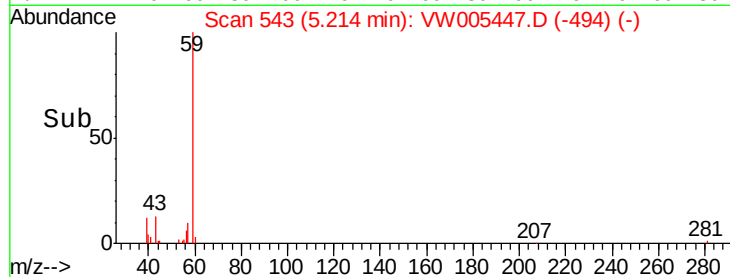
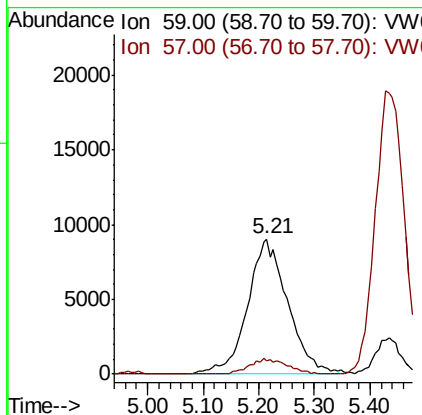
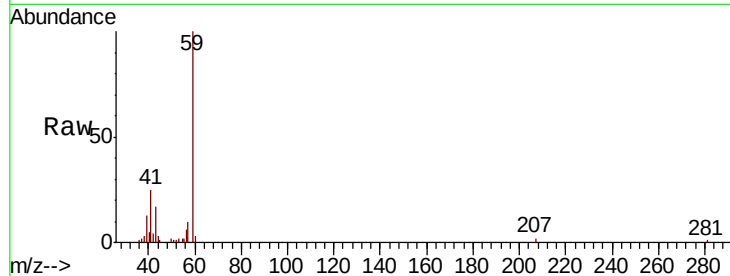


#11

Tert butyl alcohol
 Concen: 250.805 ug/l
 RT: 5.21 min Scan# 543
 Delta R.T. 0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

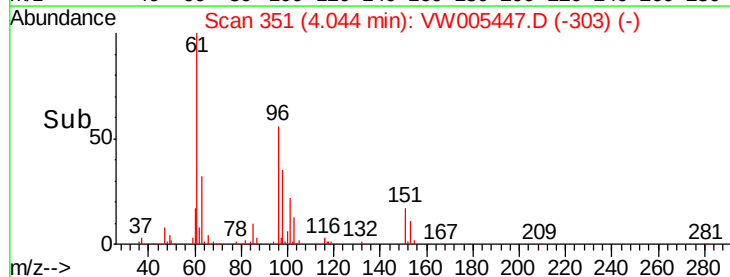
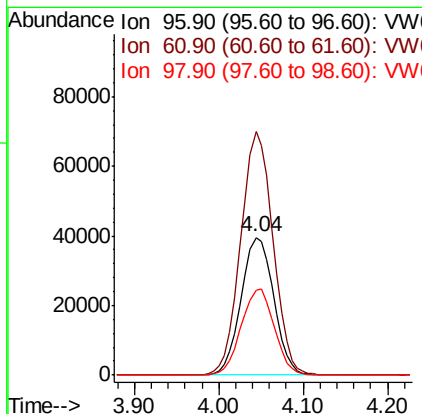
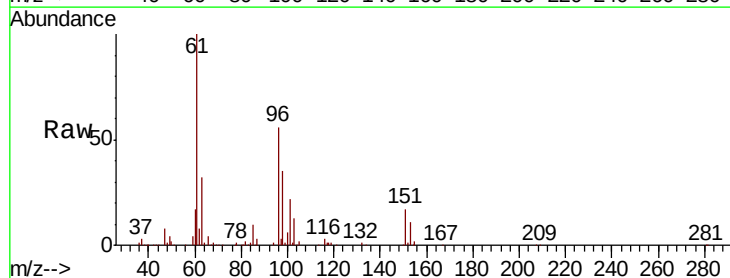
Tgt Ion: 59 Resp: 45425
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.6 13.0

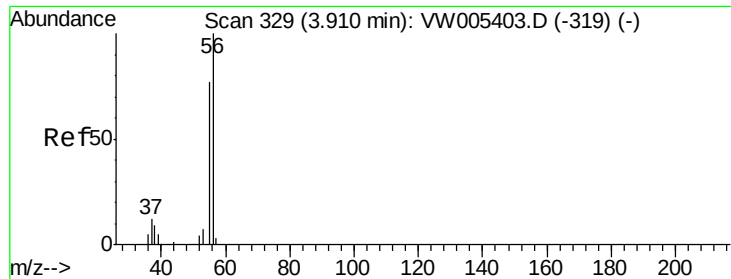


#12

1,1-Dichloroethene
 Concen: 46.502 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

Tgt Ion: 96 Resp: 104269
 Ion Ratio Lower Upper
 96 100
 61 177.0 135.7 203.5
 98 61.7 48.6 73.0





#13

Acrolein

Concen: 258.580 ug/l

RT: 3.90 min Scan# 328

Delta R.T. -0.01 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

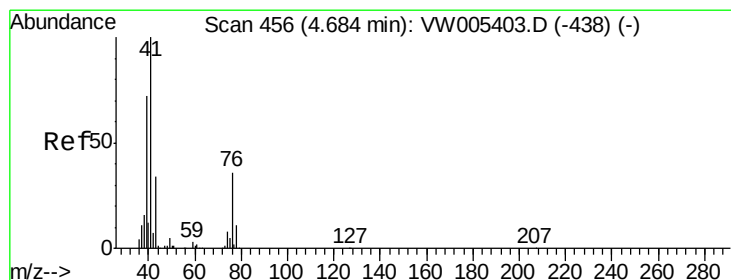
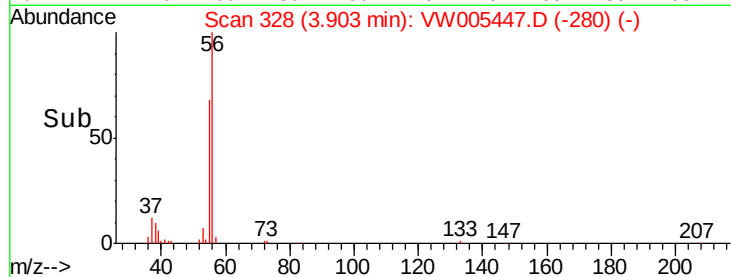
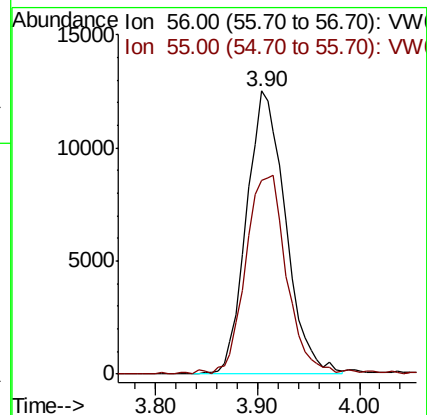
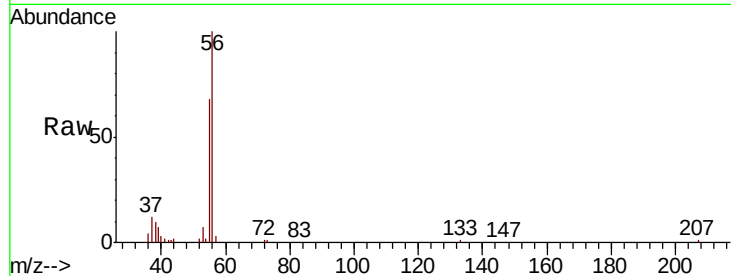
VSTDCCC050EC

Tgt Ion: 56 Resp: 33278

Ion Ratio Lower Upper

56 100

55 73.5 59.8 89.8



#14

Allyl chloride

Concen: 52.255 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

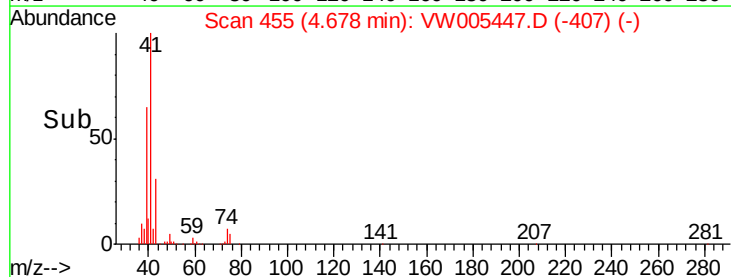
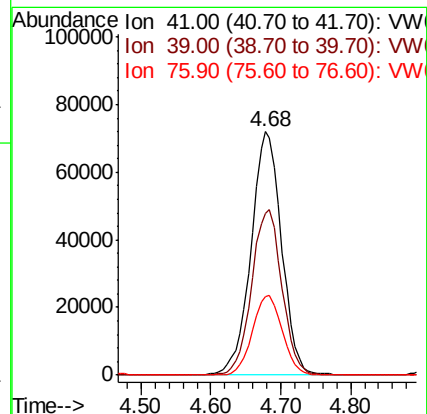
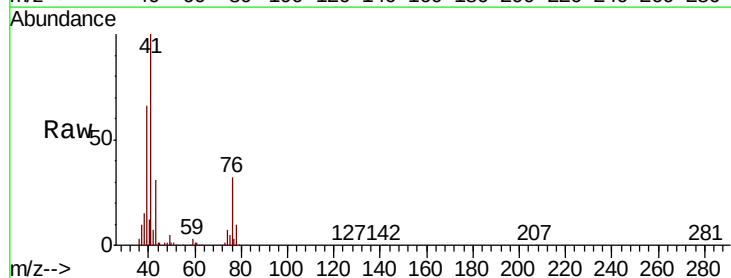
Tgt Ion: 41 Resp: 218024

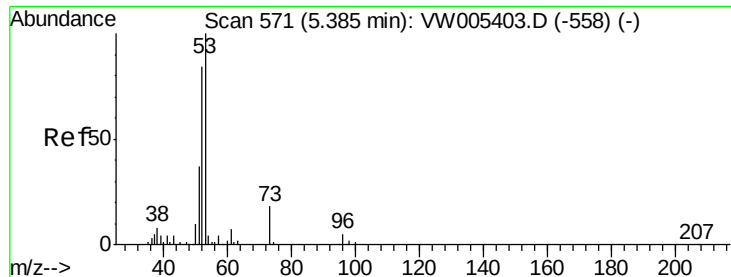
Ion Ratio Lower Upper

41 100

39 67.2 58.6 88.0

76 32.0 27.4 41.0





#15

Acrylonitrile

Concen: 258.610 ug/l

RT: 5.38 min Scan# 571

Delta R.T. -0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

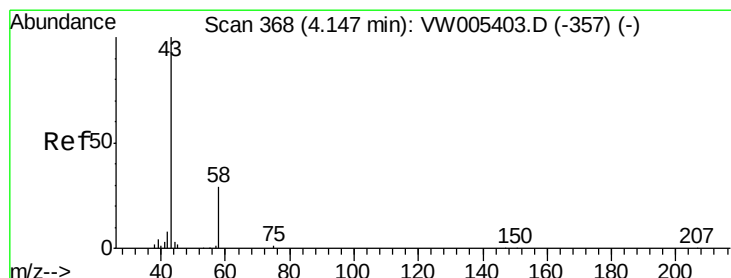
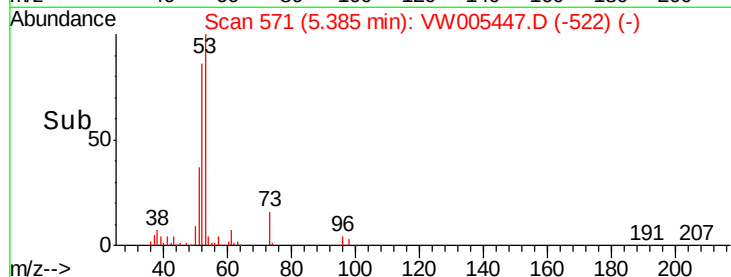
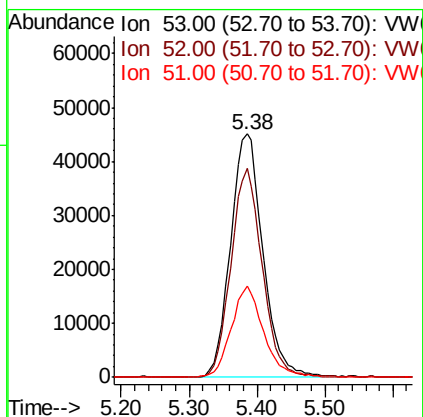
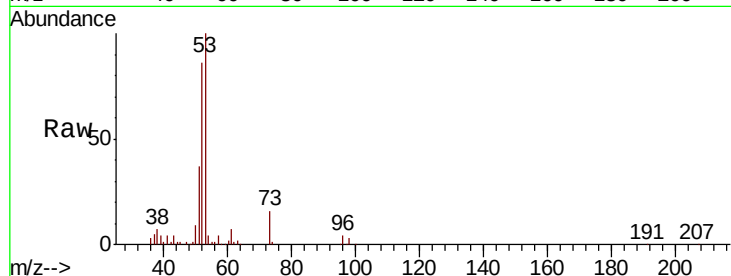
Tgt Ion: 53 Resp: 149246

Ion Ratio Lower Upper

53 100

52 82.6 66.6 99.8

51 37.6 31.1 46.7



#16

Acetone

Concen: 273.462 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW005447.D

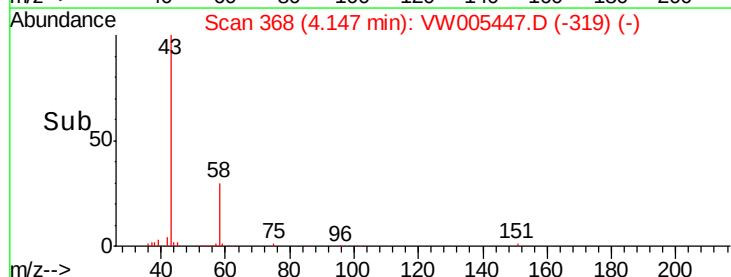
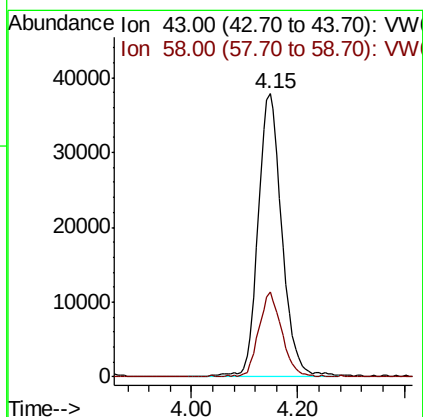
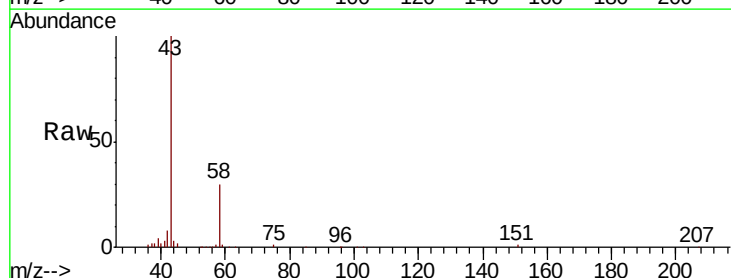
Acq: 17 Sep 2018 21:24

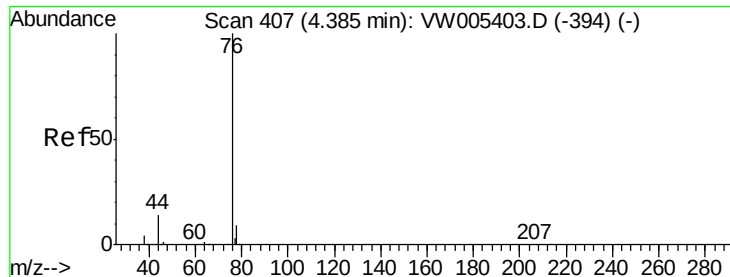
Tgt Ion: 43 Resp: 117568

Ion Ratio Lower Upper

43 100

58 30.1 22.8 34.2





#17

Carbon Disulfide

Concen: 46.097 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

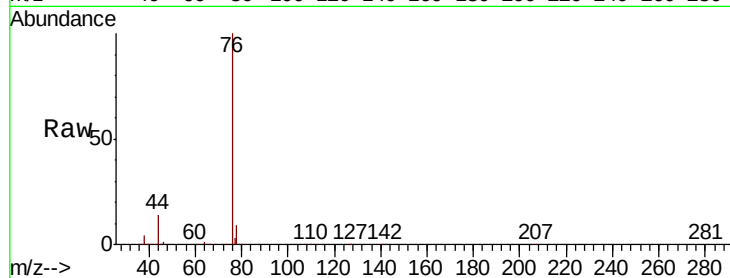
VSTDCCC050EC

Tgt Ion: 76 Resp: 364105

Ion Ratio Lower Upper

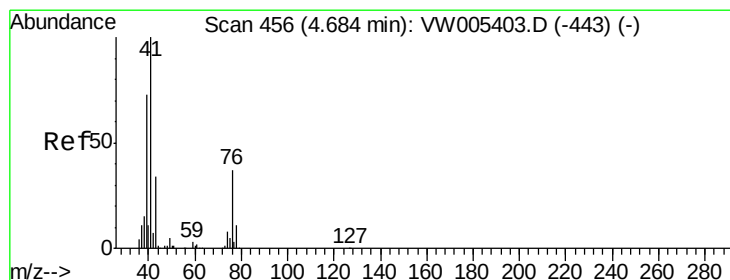
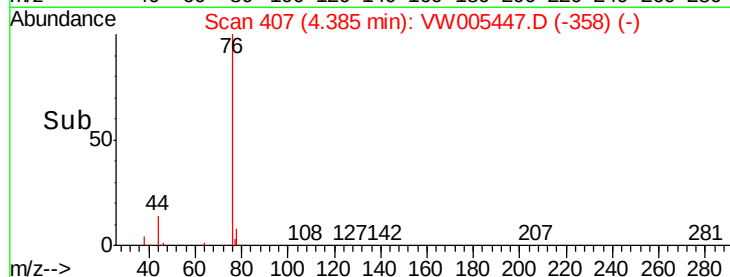
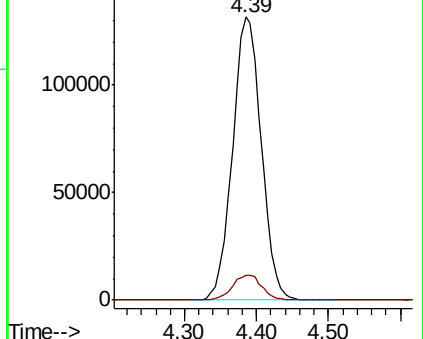
76 100

78 9.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 51.074 ug/l

RT: 4.69 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW005447.D

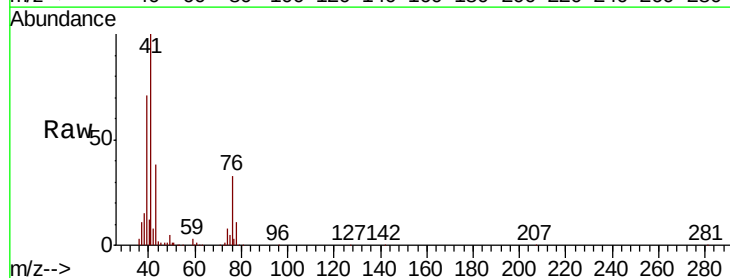
Acq: 17 Sep 2018 21:24

Tgt Ion: 43 Resp: 73830

Ion Ratio Lower Upper

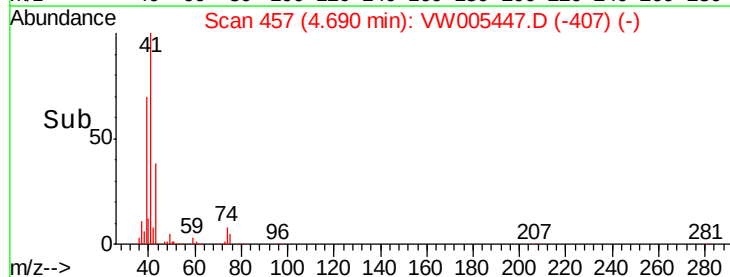
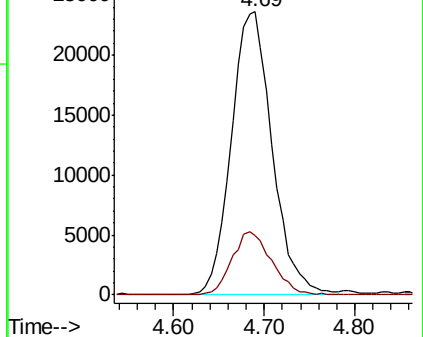
43 100

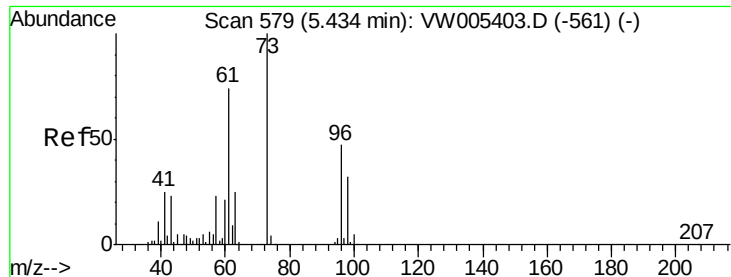
74 21.6 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

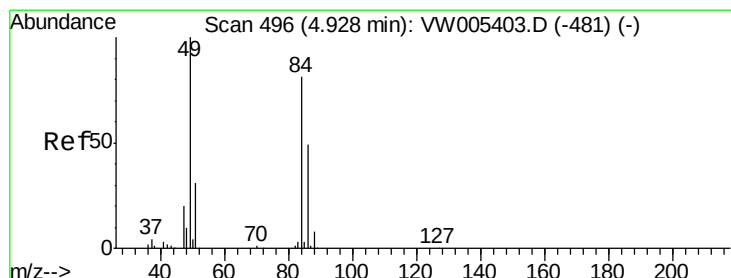
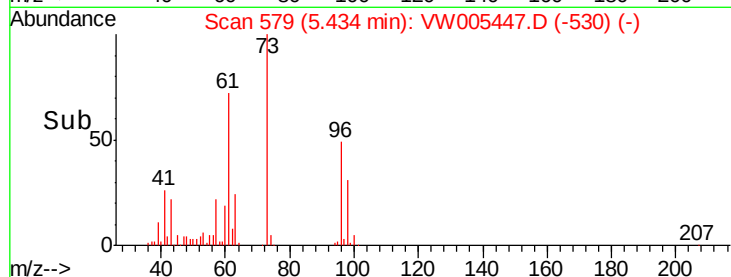
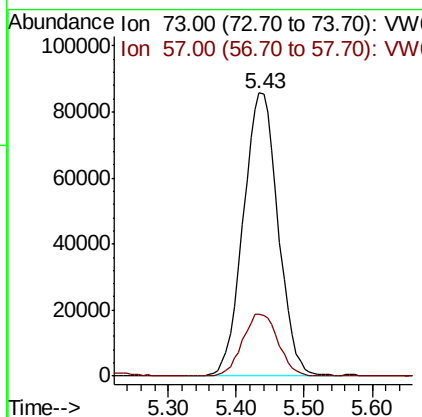
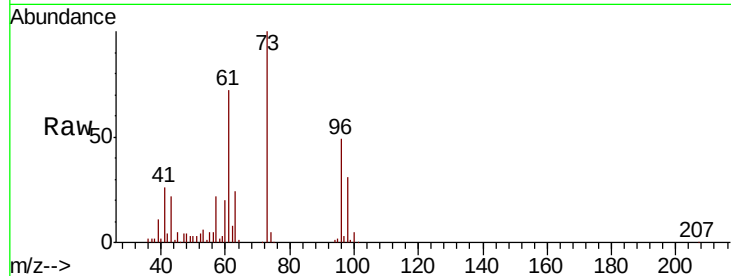




#19
Methyl tert-butyl Ether
Concen: 50.213 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW005447.D
Acq: 17 Sep 2018 21:24

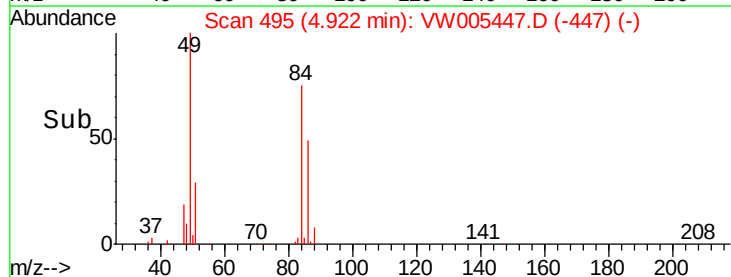
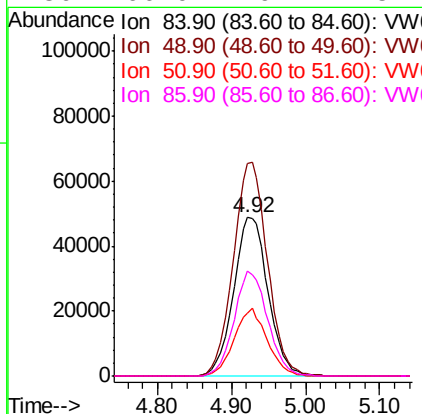
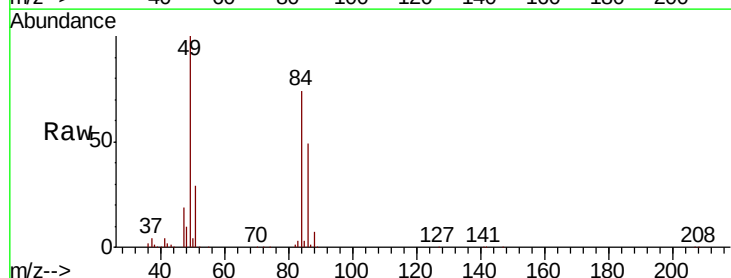
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

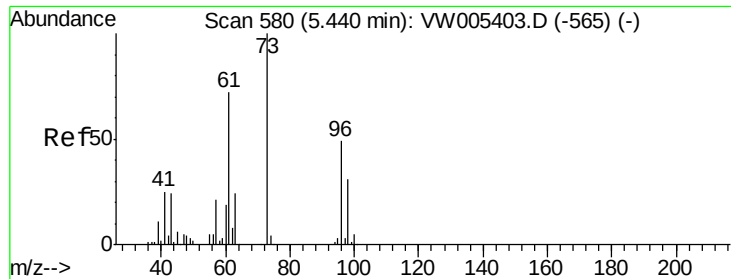
Tgt Ion: 73 Resp: 305718
Ion Ratio Lower Upper
73 100
57 21.9 18.6 28.0



#20
Methylene Chloride
Concen: 53.548 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005447.D
Acq: 17 Sep 2018 21:24

Tgt Ion: 84 Resp: 158596
Ion Ratio Lower Upper
84 100
49 134.3 99.3 148.9
51 39.6 31.1 46.7
86 66.0 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 47.122 ug/l

RT: 5.43 min Scan# 579

Delta R.T. -0.01 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

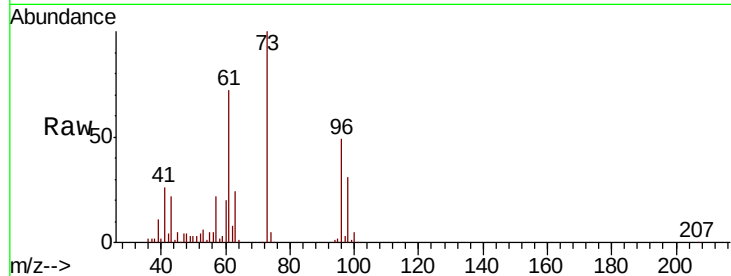
Tgt Ion: 96 Resp: 126180

Ion Ratio Lower Upper

96 100

61 146.1 116.7 175.1

98 62.6 51.0 76.6

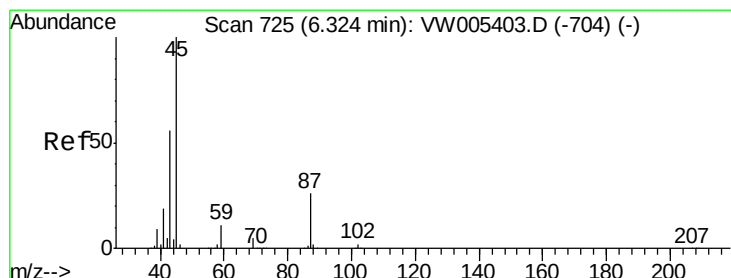
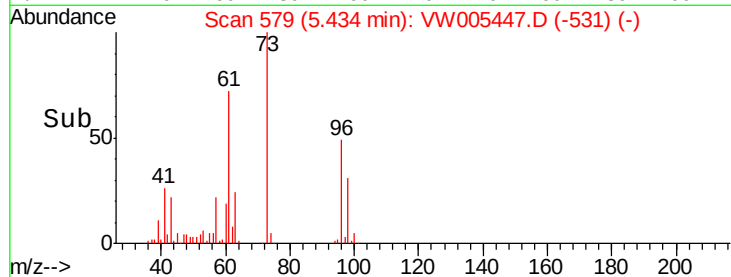
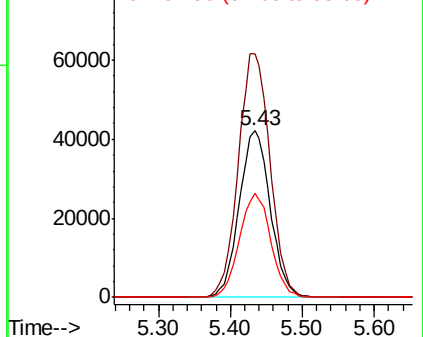


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 54.798 ug/l

RT: 6.32 min Scan# 725

Delta R.T. 0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Tgt Ion: 45 Resp: 449440

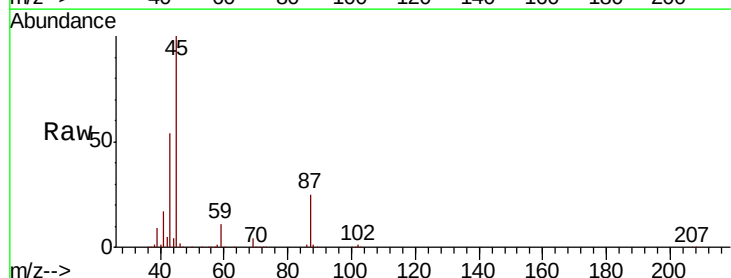
Ion Ratio Lower Upper

45 100

43 54.0 44.6 67.0

87 24.4 20.6 31.0

59 11.0 8.9 13.3



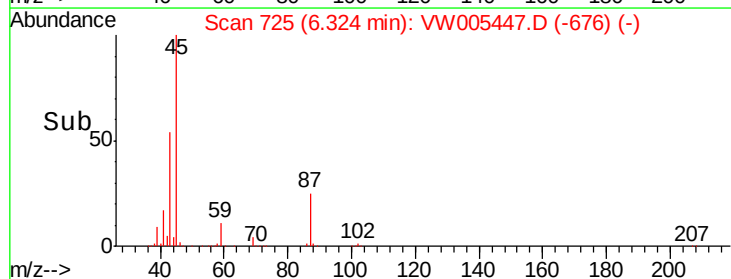
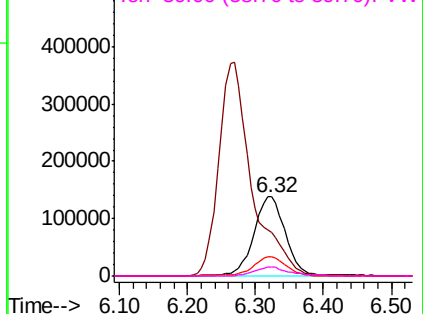
Abundance

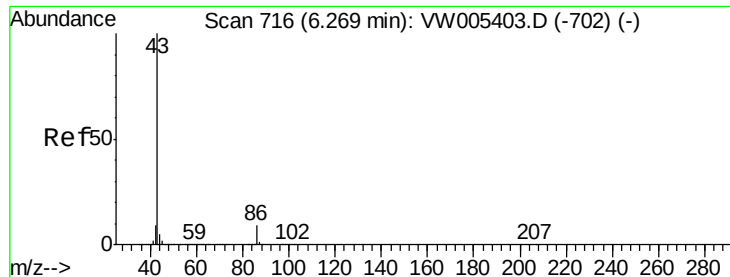
Ion 45.00 (44.70 to 45.70): VW

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: 269.860 ug/l

RT: 6.27 min Scan# 716

Delta R.T. -0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

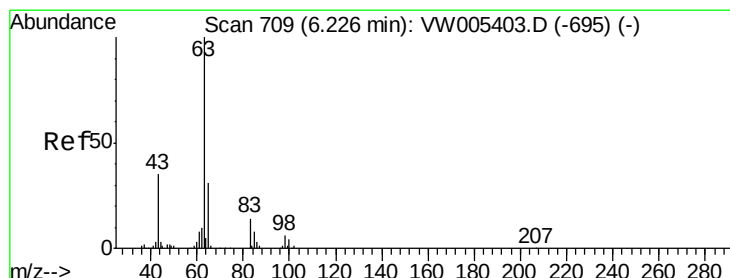
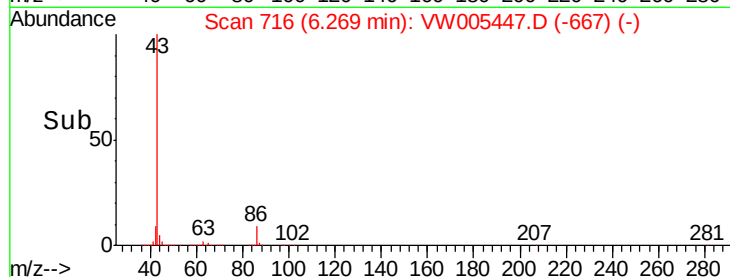
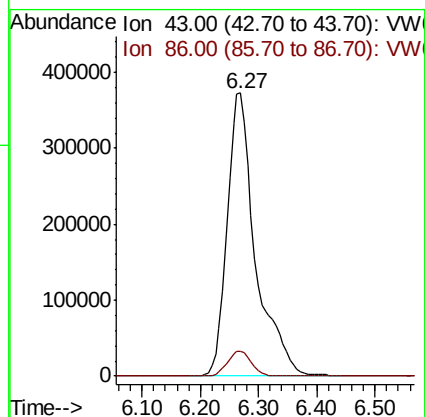
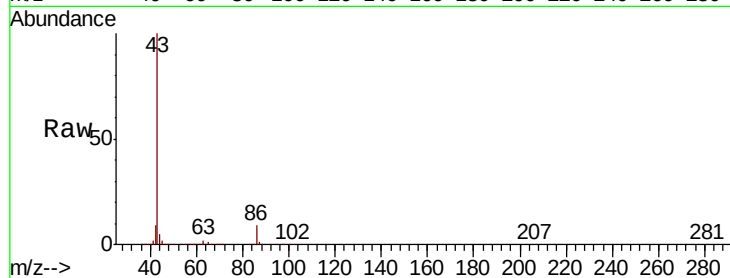
VSTDCCC050EC

Tgt Ion: 43 Resp: 1261196

Ion Ratio Lower Upper

43 100

86 9.0 7.5 11.3



#24

1,1-Dichloroethane

Concen: 48.419 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

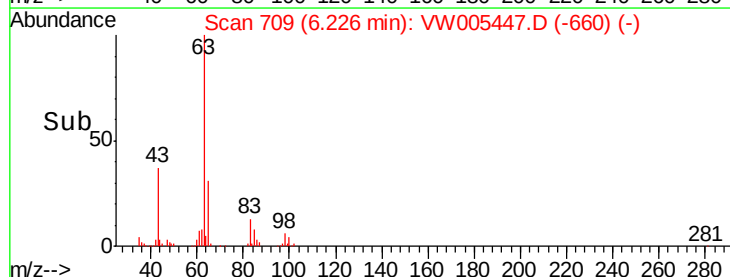
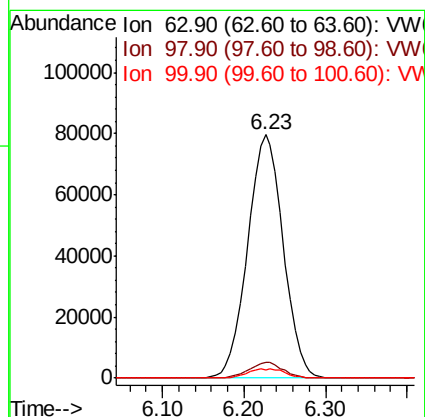
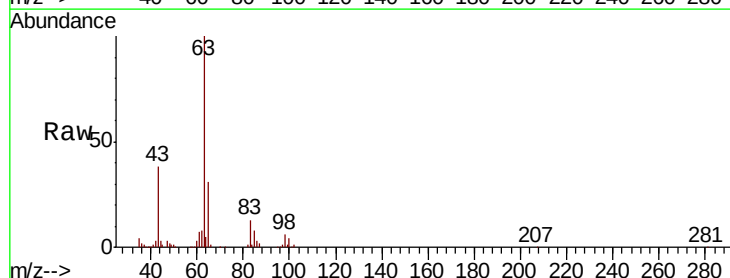
Tgt Ion: 63 Resp: 240988

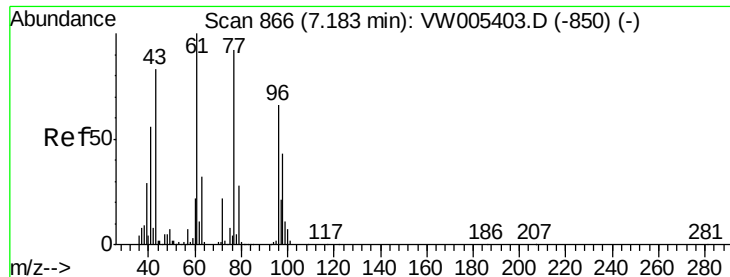
Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 3.6 2.3 6.8

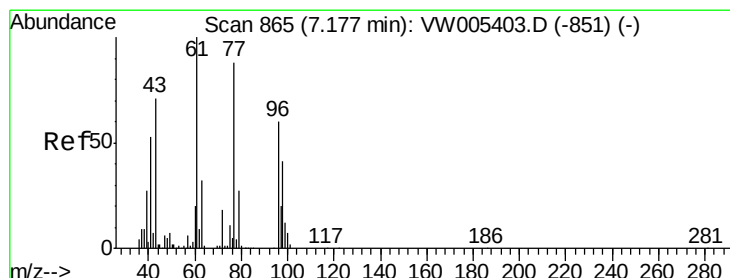
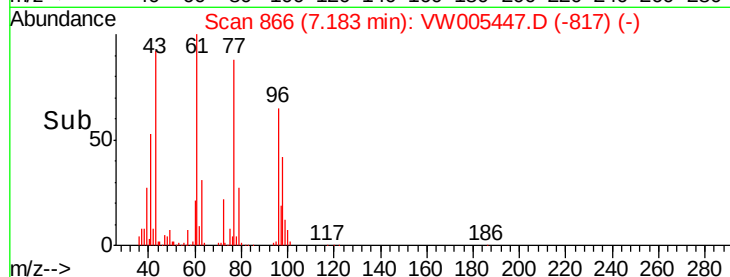
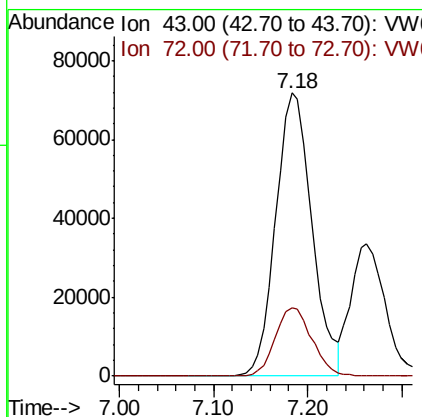
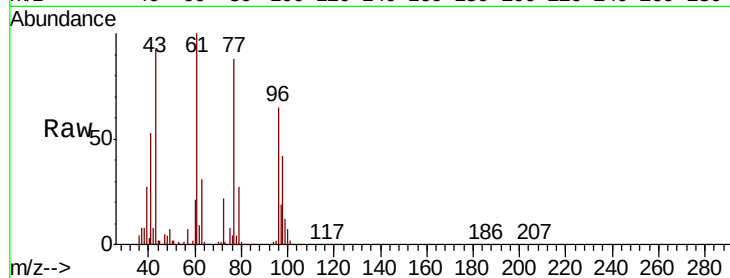




#25
 2-Butanone
 Concen: 266.397 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

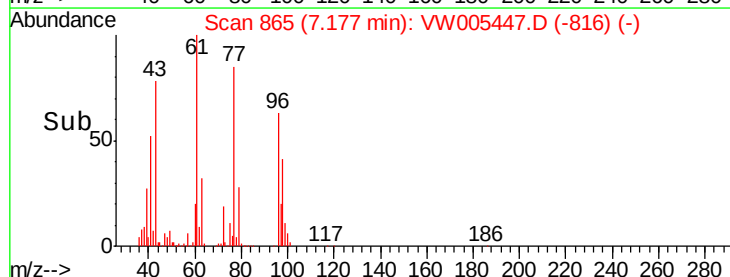
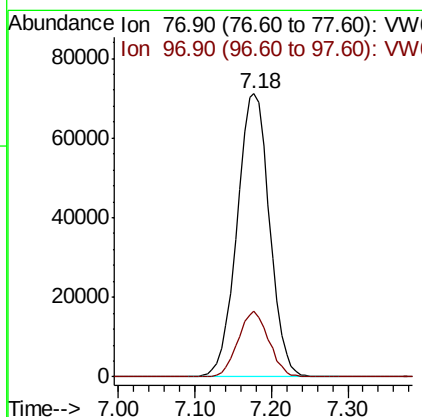
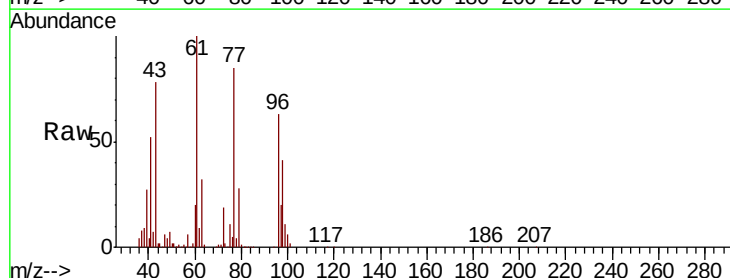
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

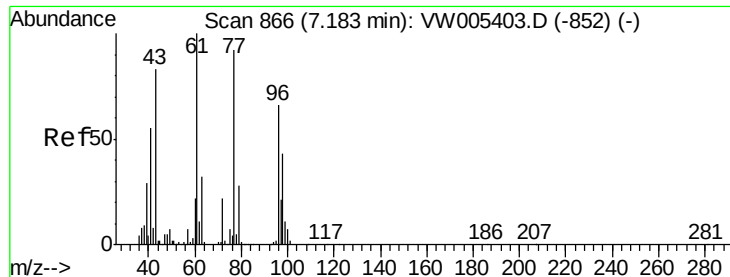
Tgt Ion: 43 Resp: 192776
 Ion Ratio Lower Upper
 43 100
 72 24.2 21.1 31.7



#26
 2,2-Dichloropropane
 Concen: 46.895 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

Tgt Ion: 77 Resp: 209367
 Ion Ratio Lower Upper
 77 100
 97 22.0 10.7 32.1



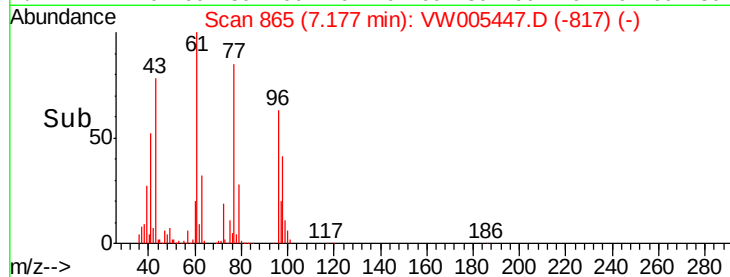
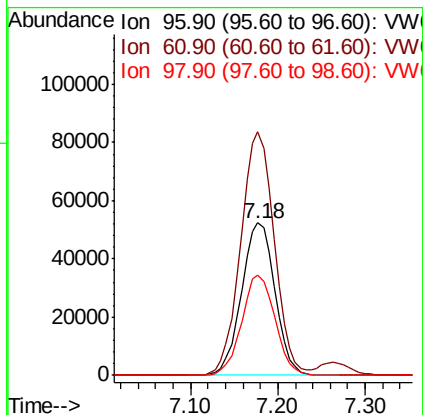
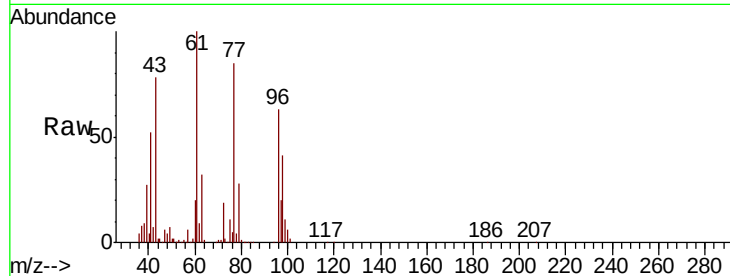


#27

cis-1,2-Dichloroethene
 Concen: 47.671 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

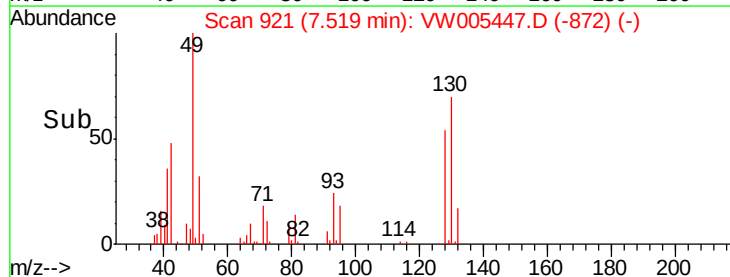
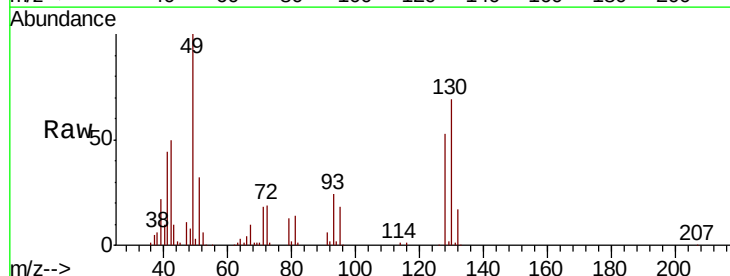
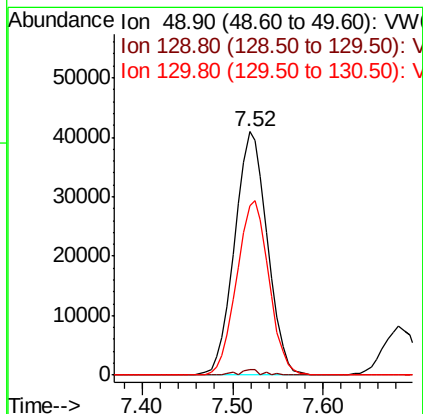
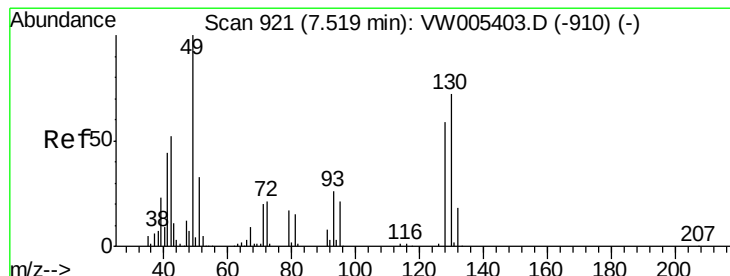
Tgt Ion: 96 Resp: 138855
 Ion Ratio Lower Upper
 96 100
 61 160.5 0.0 316.0
 98 65.6 0.0 130.8

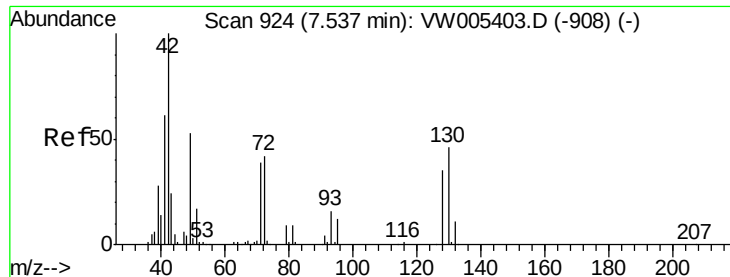


#28

Bromochloromethane
 Concen: 52.928 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

Tgt Ion: 49 Resp: 102462
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 1.0#
 130 70.6 61.4 92.2

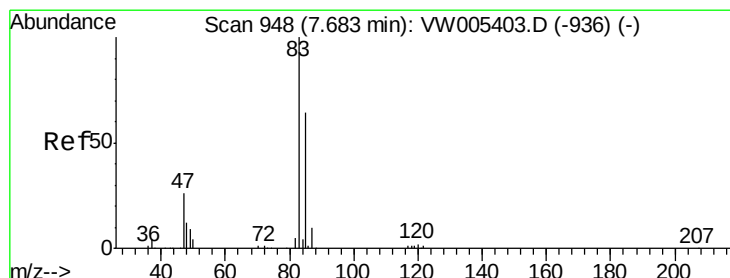
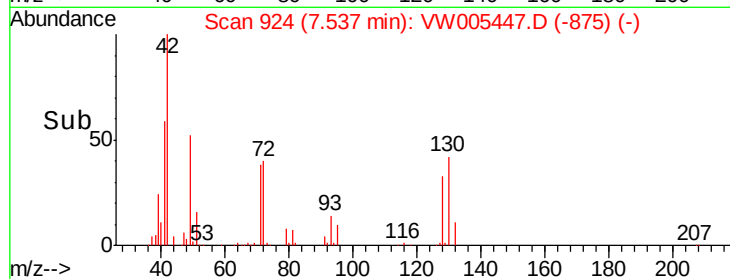
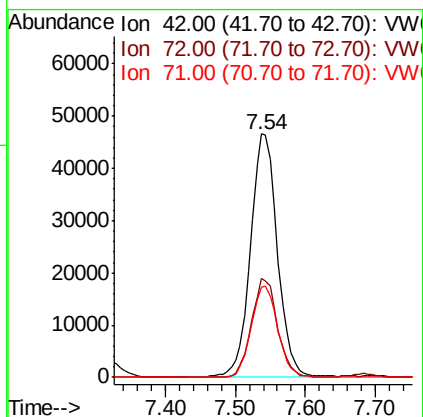
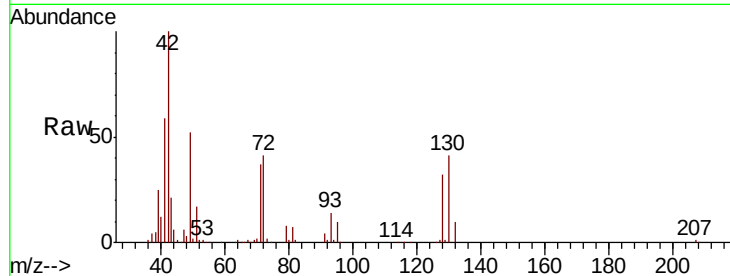




#29
Tetrahydrofuran
Concen: 271.057 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW005447.D
Acq: 17 Sep 2018 21:24

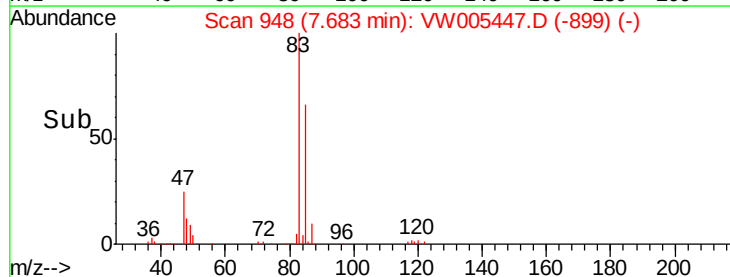
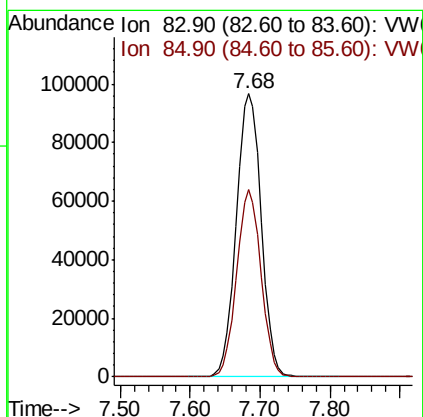
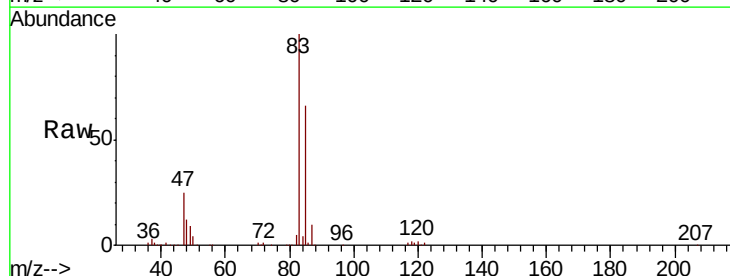
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

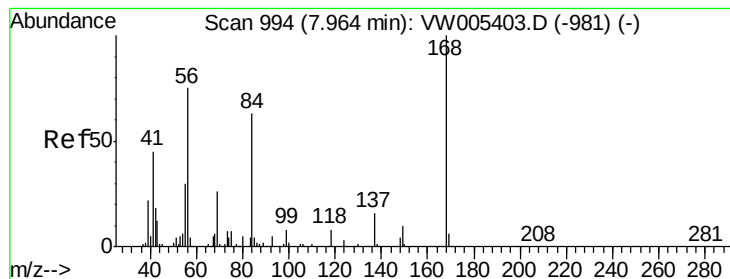
Tgt Ion: 42 Resp: 124958
Ion Ratio Lower Upper
42 100
72 39.1 33.2 49.8
71 36.9 31.0 46.6



#30
Chloroform
Concen: 46.362 ug/l
RT: 7.68 min Scan# 948
Delta R.T. -0.00 min
Lab File: VW005447.D
Acq: 17 Sep 2018 21:24

Tgt Ion: 83 Resp: 238950
Ion Ratio Lower Upper
83 100
85 66.2 51.5 77.3





#31

Cyclohexane

Concen: 49.875 ug/l

RT: 7.96 min Scan# 994

Delta R.T. 0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

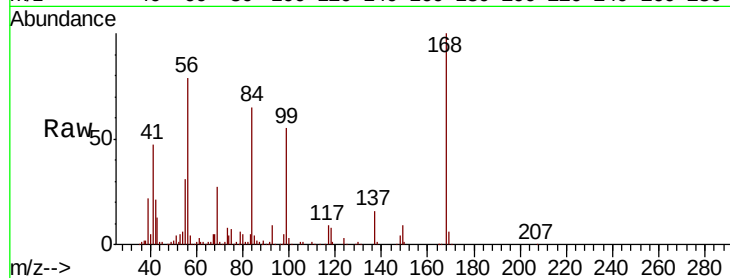
Tgt Ion: 56 Resp: 239468

Ion Ratio Lower Upper

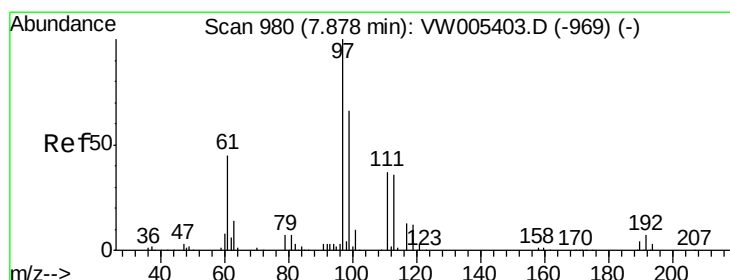
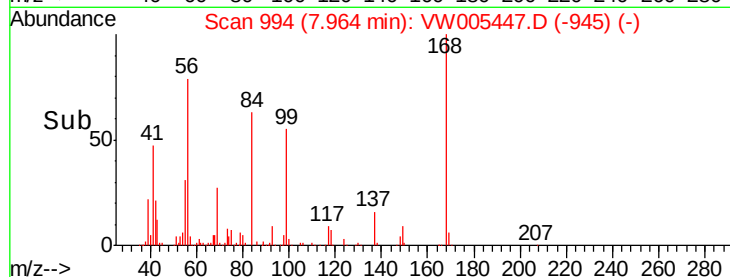
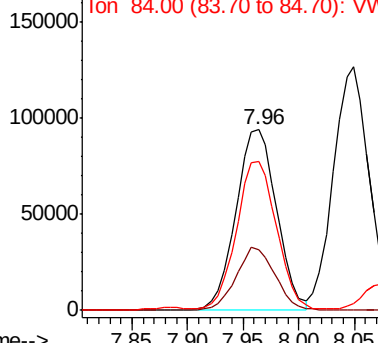
56 100

69 33.9 27.2 40.8

84 81.4 66.7 100.1



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: 46.289 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

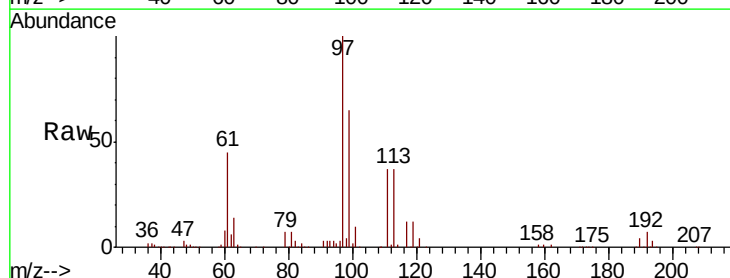
Tgt Ion: 97 Resp: 221839

Ion Ratio Lower Upper

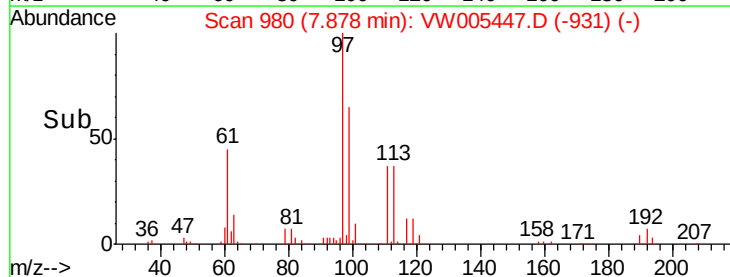
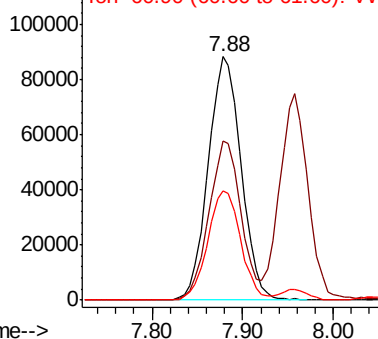
97 100

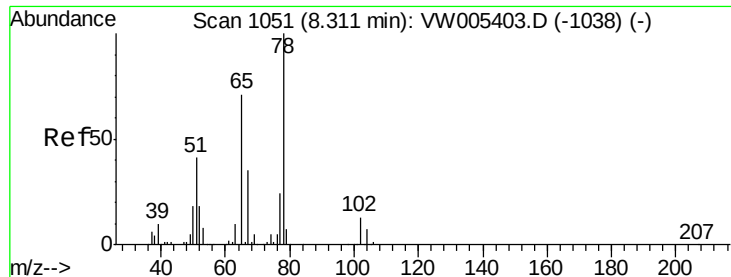
99 64.3 51.5 77.3

61 44.9 35.8 53.6



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

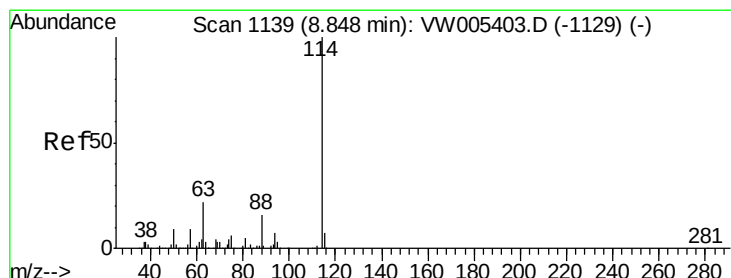
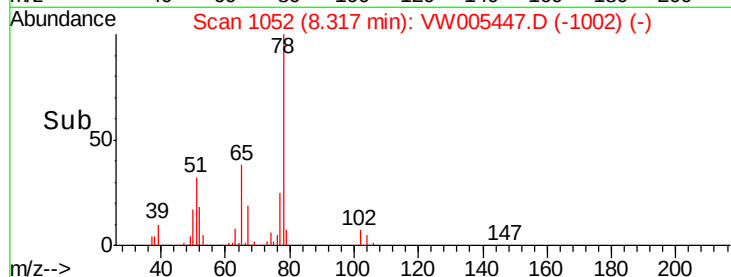
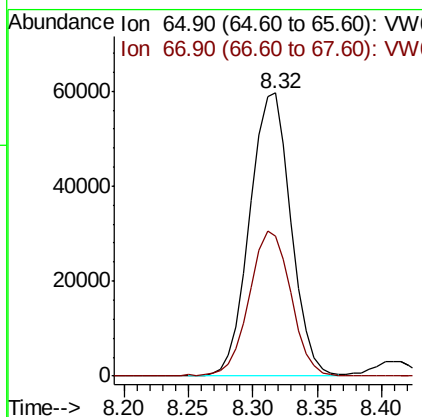
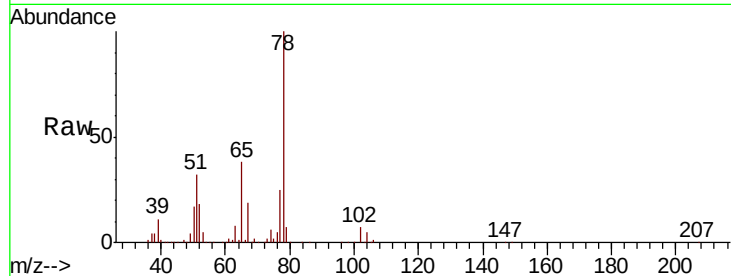




#33
 1,2-Dichloroethane-d4
 Concen: 43.793 ug/l
 RT: 8.32 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

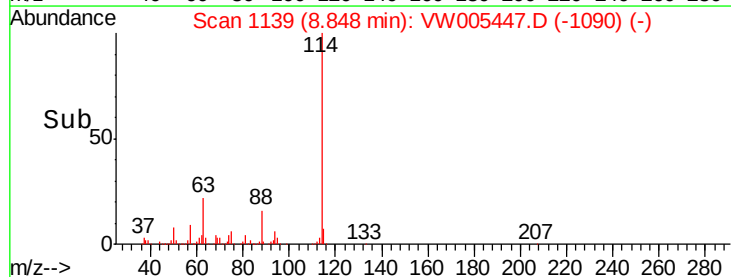
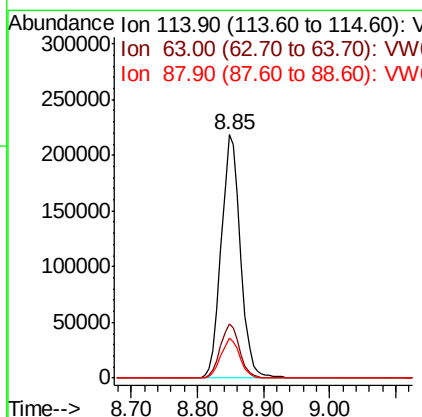
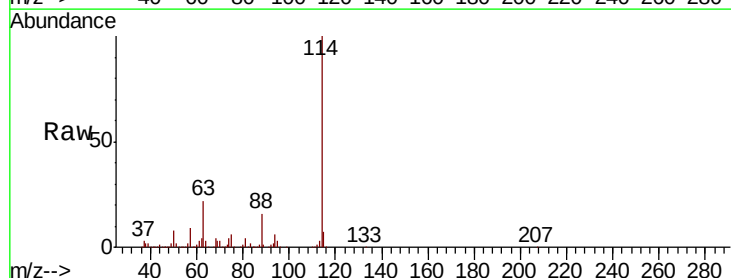
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

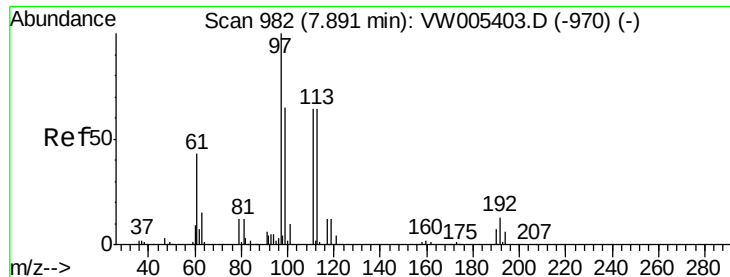
Tgt Ion: 65 Resp: 131740
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

Tgt Ion: 114 Resp: 438844
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.4
 88 16.2 0.0 31.8

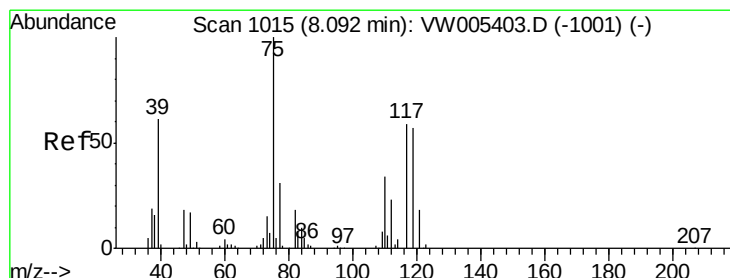
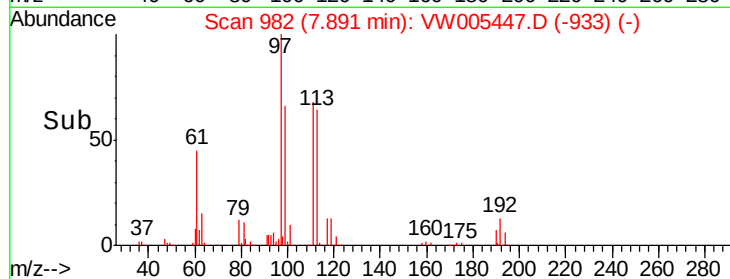
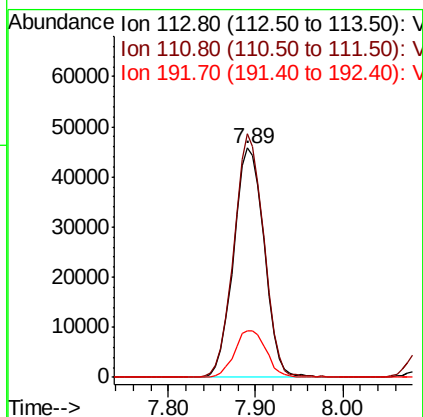
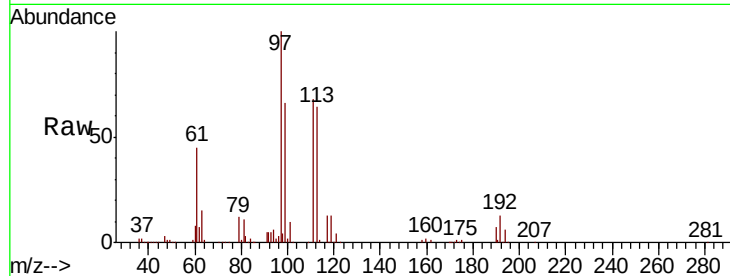




#35
 Dibromofluoromethane
 Concen: 45.178 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

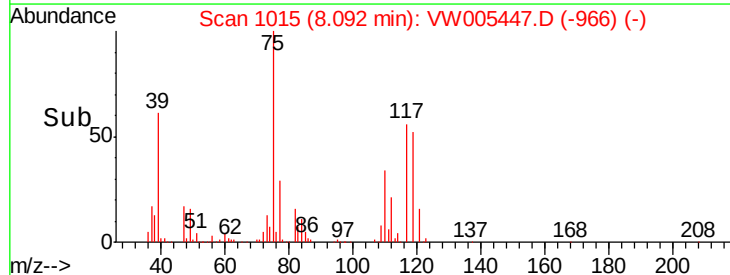
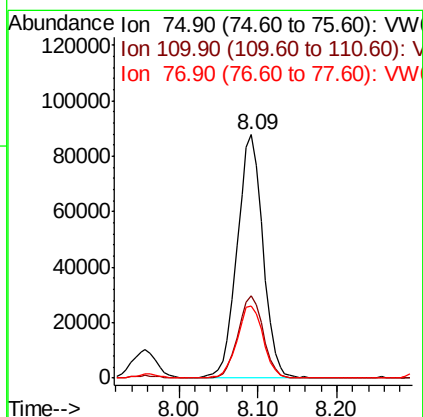
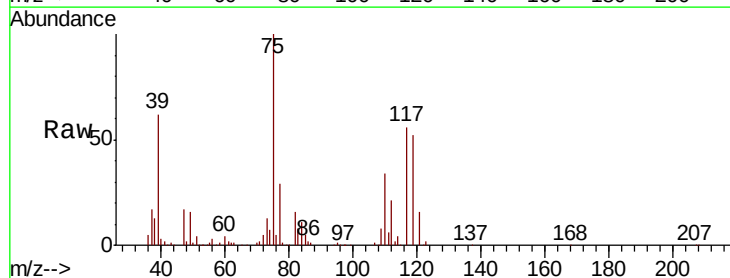
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

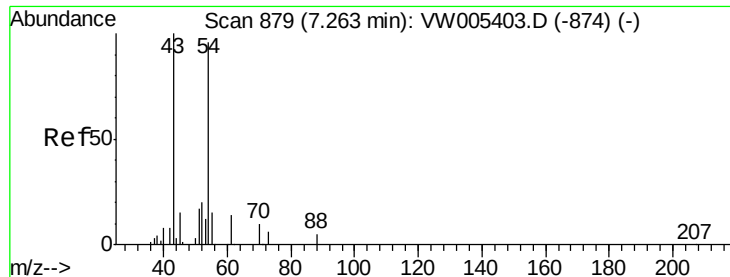
Tgt Ion: 113 Resp: 111163
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.3 123.5
 192 20.9 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 47.871 ug/l
 RT: 8.09 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

Tgt Ion: 75 Resp: 198816
 Ion Ratio Lower Upper
 75 100
 110 33.4 16.8 50.4
 77 30.4 24.2 36.4

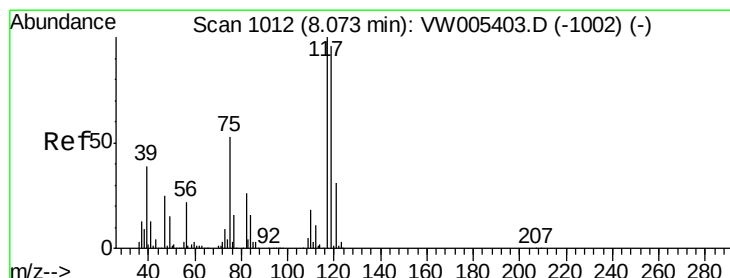
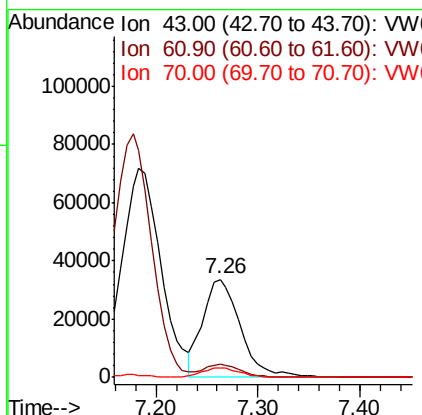
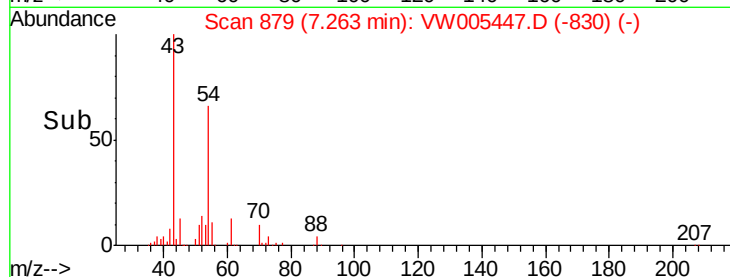
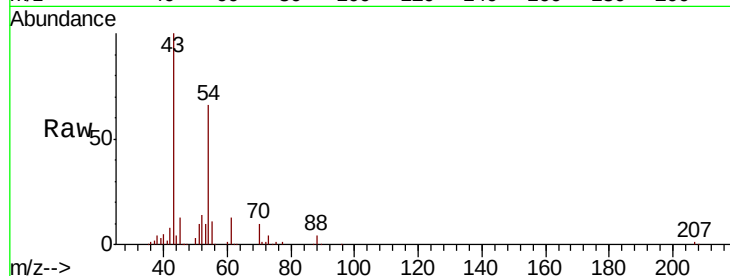




#37
Ethyl Acetate
Concen: 50.654 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW005447.D
Acq: 17 Sep 2018 21:24

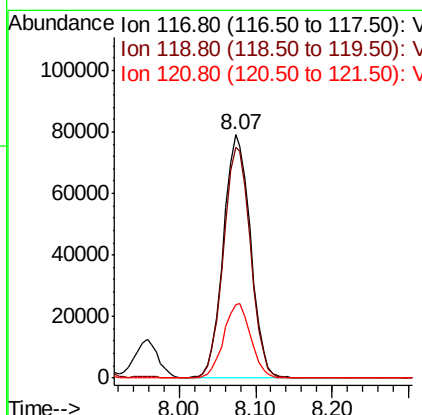
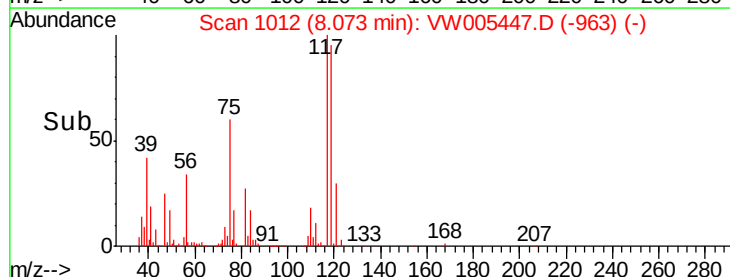
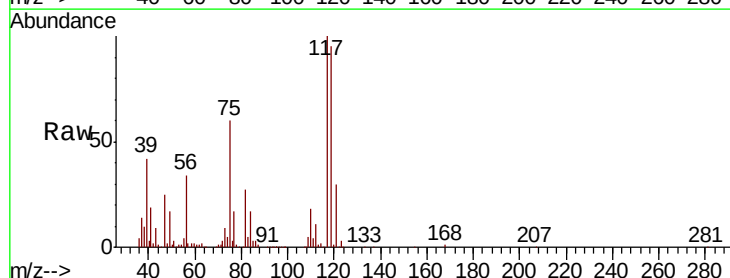
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

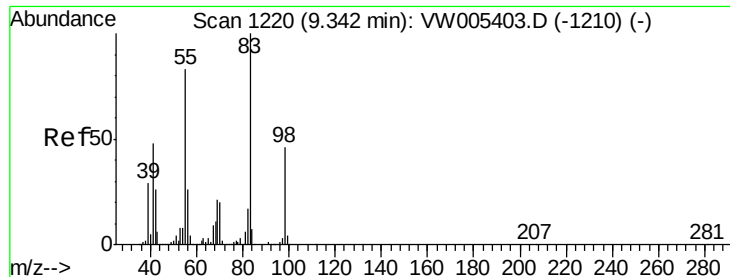
Tgt Ion: 43 Resp: 85552
Ion Ratio Lower Upper
43 100
61 13.5 11.3 16.9
70 10.0 8.2 12.4



#38
Carbon Tetrachloride
Concen: 44.791 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW005447.D
Acq: 17 Sep 2018 21:24

Tgt Ion: 117 Resp: 193843
Ion Ratio Lower Upper
117 100
119 94.9 76.8 115.2
121 30.3 24.7 37.1





#39

Methylcyclohexane

Concen: 51.439 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

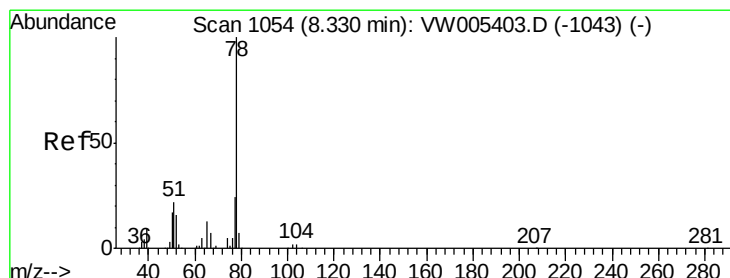
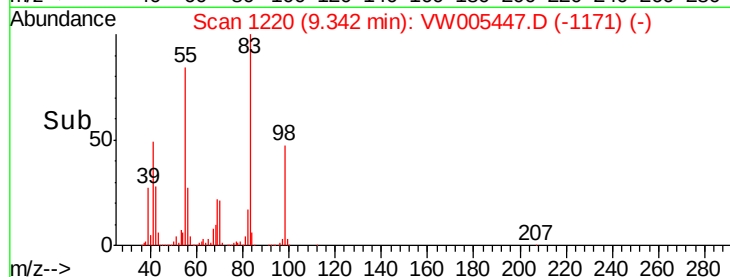
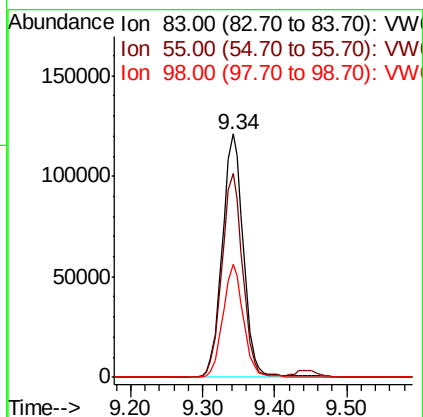
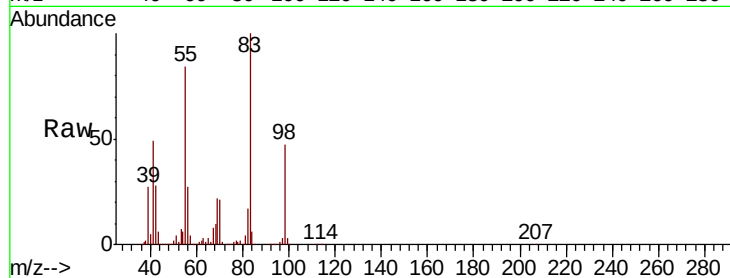
Tgt Ion: 83 Resp: 248235

Ion Ratio Lower Upper

83 100

55 83.7 66.1 99.1

98 46.6 36.7 55.1



#40

Benzene

Concen: 48.664 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW005447.D

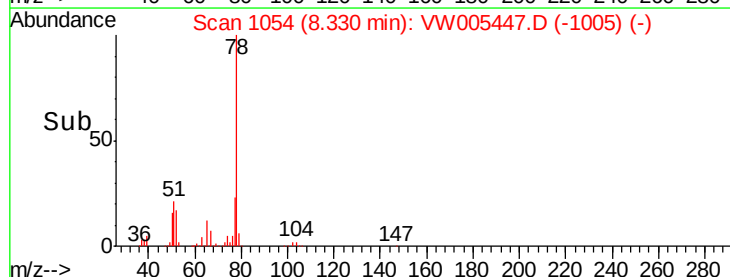
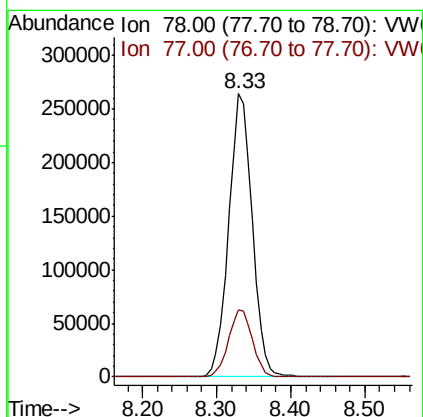
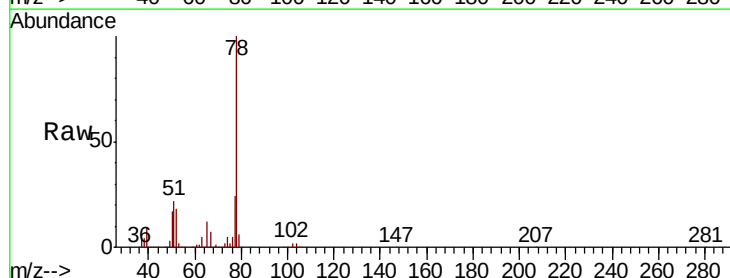
Acq: 17 Sep 2018 21:24

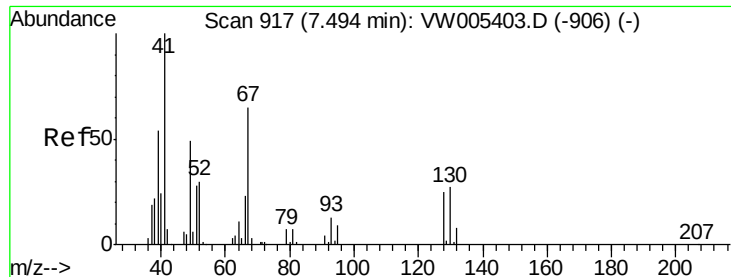
Tgt Ion: 78 Resp: 585464

Ion Ratio Lower Upper

78 100

77 23.5 19.3 28.9

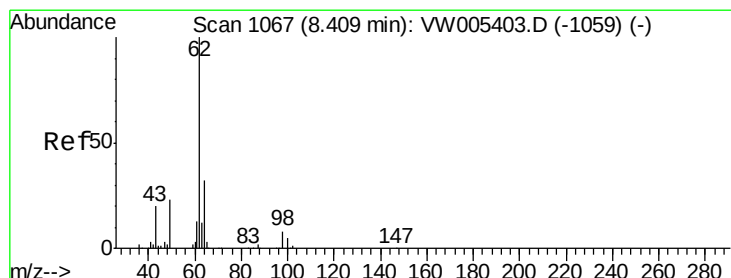
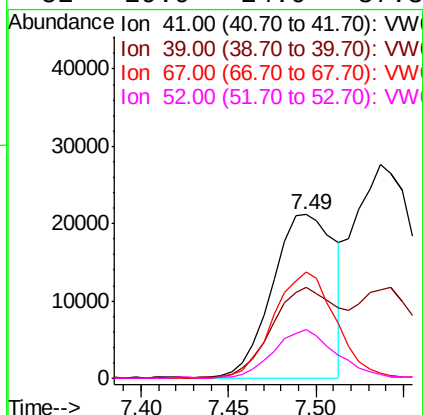
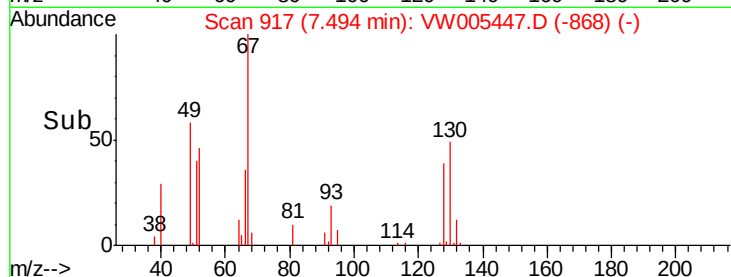
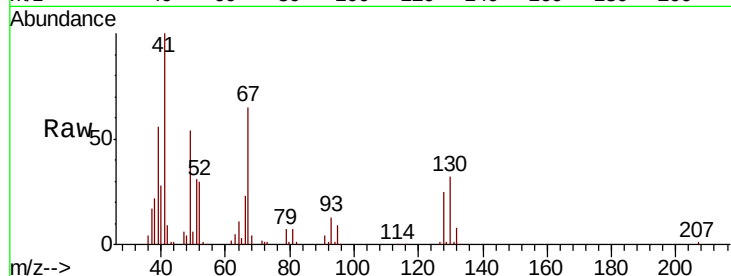




#41
Methacrylonitrile
Concen: 52.122 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.00 min
Lab File: VW005447.D
Acq: 17 Sep 2018 21:24

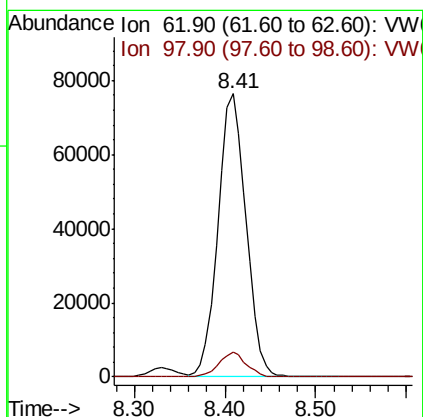
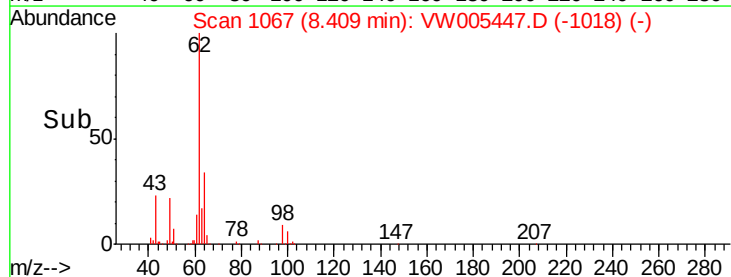
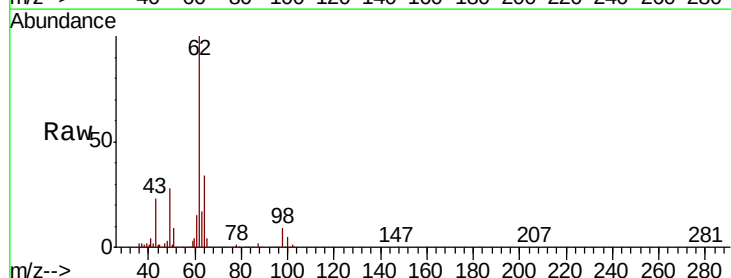
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

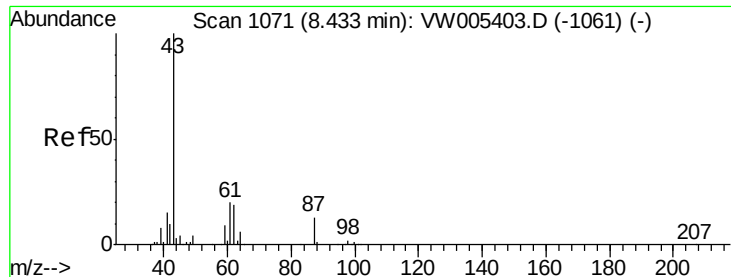
Tgt Ion:	41	Resp:	53111
Ion	Ratio	Lower	Upper
41	100		
39	60.1	44.6	67.0
67	64.5	53.6	80.4
52	29.9	24.9	37.3



#42
1,2-Dichloroethane
Concen: 43.605 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VW005447.D
Acq: 17 Sep 2018 21:24

Tgt Ion:	62	Resp:	164198
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	15.6





#43

Isopropyl Acetate

Concen: 52.052 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. -0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

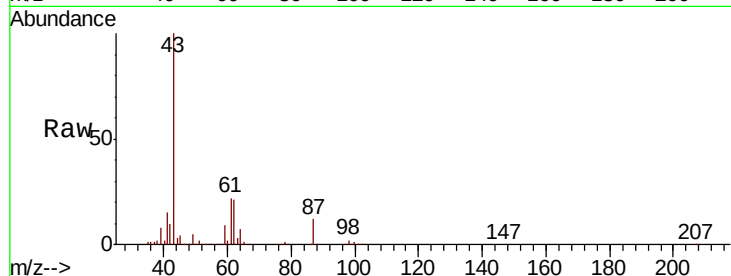
Tgt Ion: 43 Resp: 171570

Ion Ratio Lower Upper

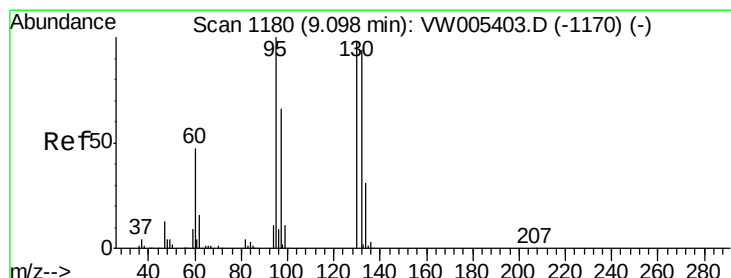
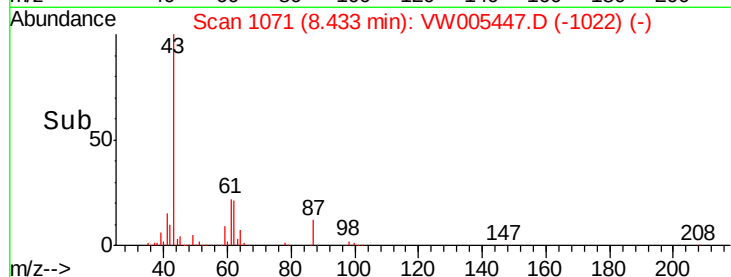
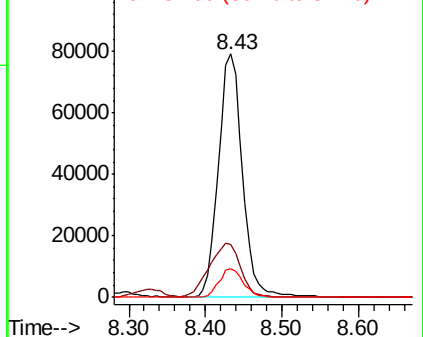
43 100

61 28.4 23.8 35.6

87 11.9 10.1 15.1



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: 46.777 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW005447.D

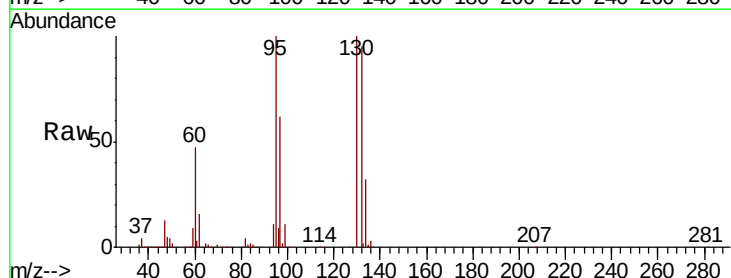
Acq: 17 Sep 2018 21:24

Tgt Ion: 130 Resp: 144846

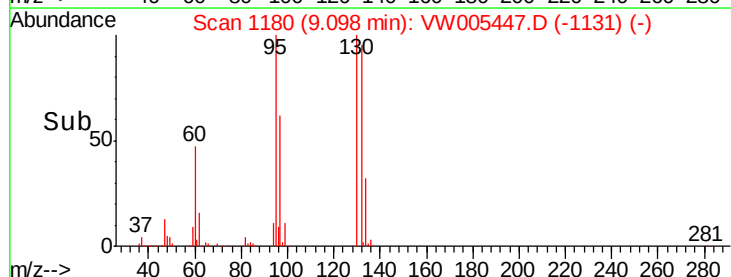
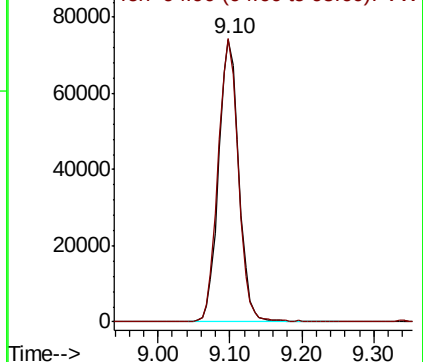
Ion Ratio Lower Upper

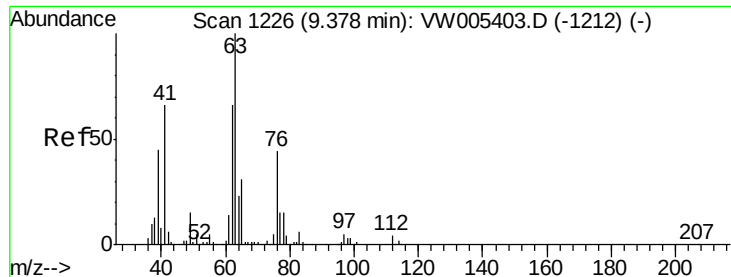
130 100

95 100.2 0.0 204.6



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

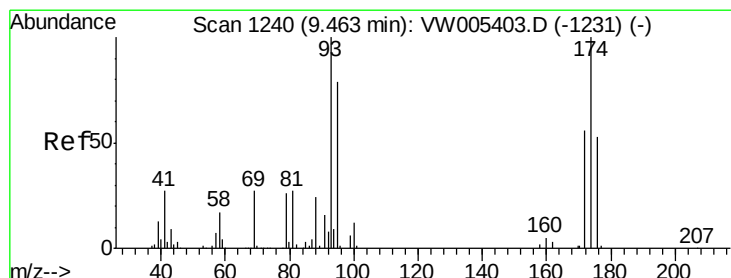
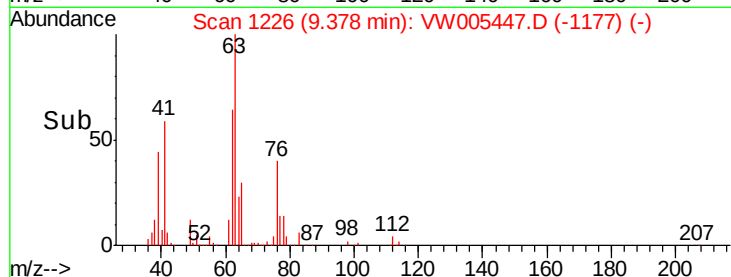
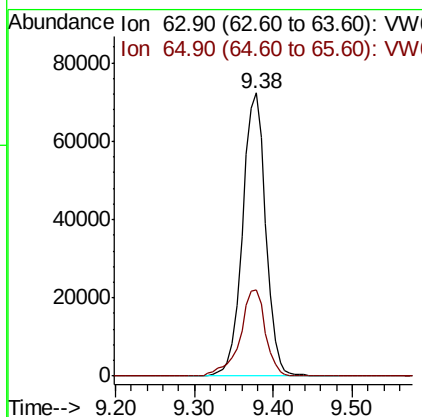
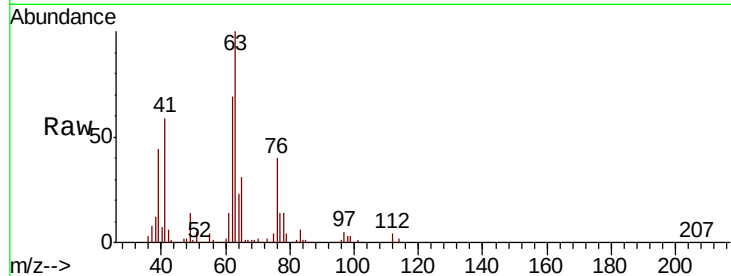




#45
 1,2-Dichloropropane
 Concen: 51.490 ug/l
 RT: 9.38 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

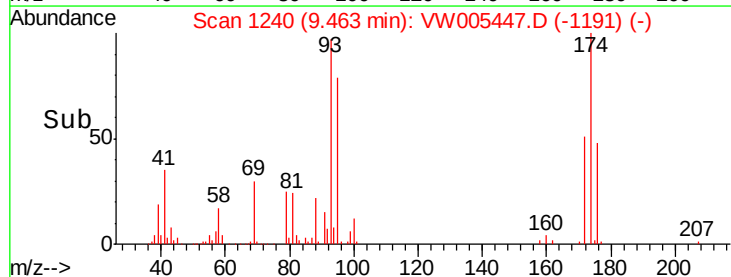
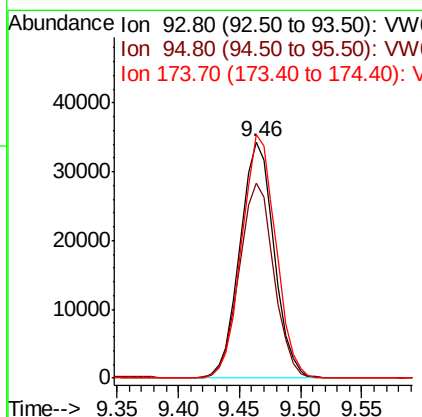
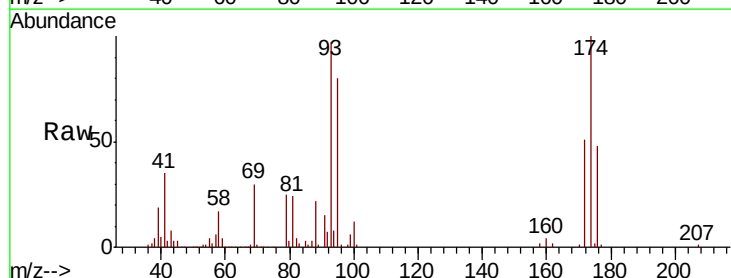
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

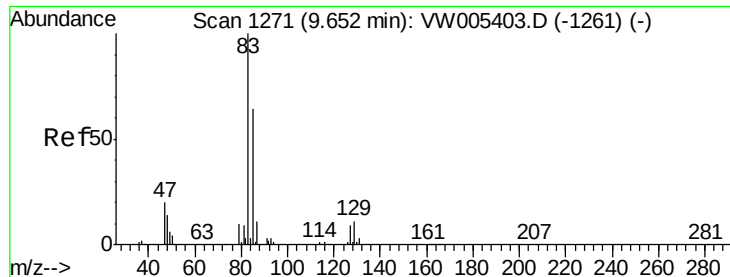
Tgt Ion: 63 Resp: 148005
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6



#46
 Dibromomethane
 Concen: 47.144 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

Tgt Ion: 93 Resp: 66661
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.4 98.0
 174 102.9 83.4 125.2





#47

Bromodichloromethane

Concen: 47.688 ug/l

RT: 9.65 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

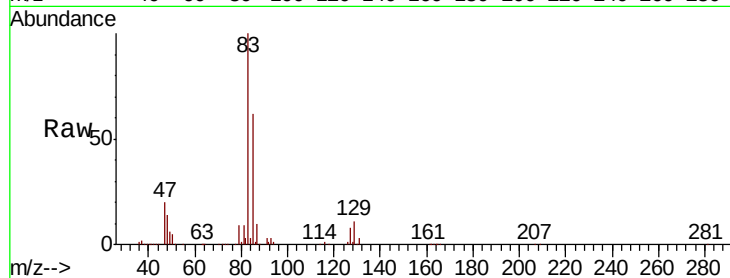
Tgt Ion: 83 Resp: 182696

Ion Ratio Lower Upper

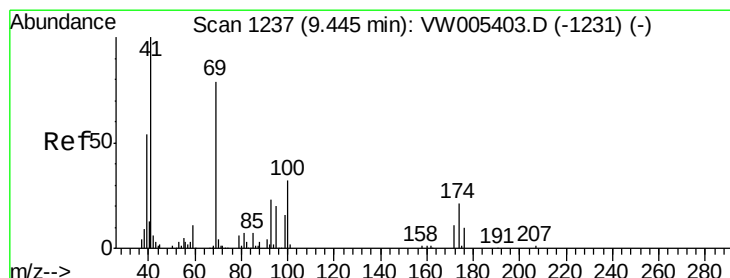
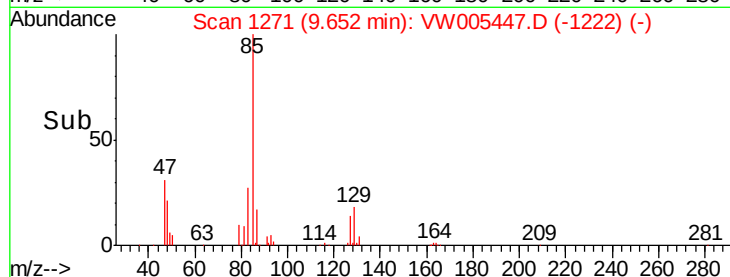
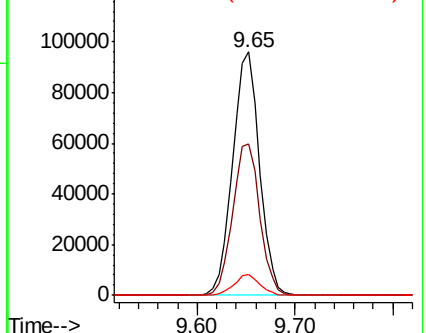
83 100

85 62.4 50.9 76.3

127 8.4 7.0 10.4



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



#48

Methyl methacrylate

Concen: 54.043 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

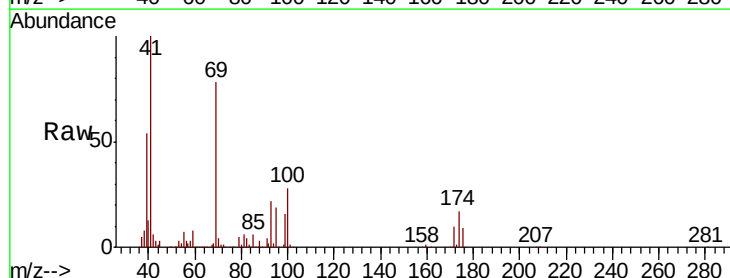
Tgt Ion: 41 Resp: 88899

Ion Ratio Lower Upper

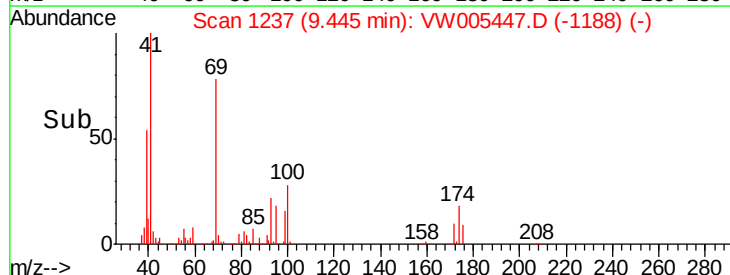
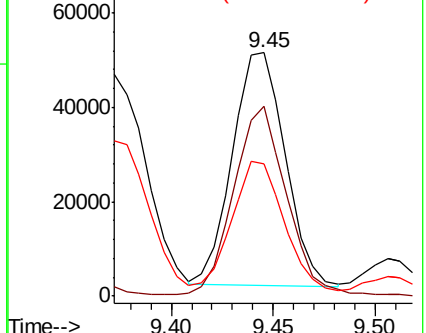
41 100

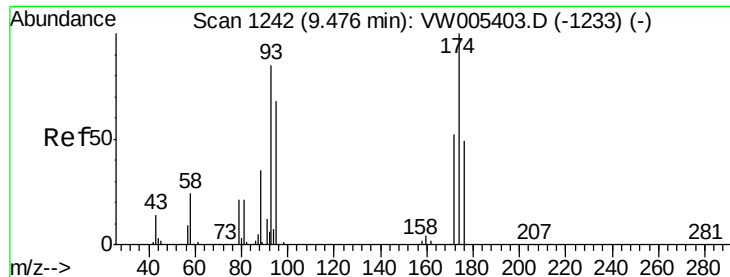
69 82.9 67.5 101.3

39 53.6 45.5 68.3



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: 1051.845 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

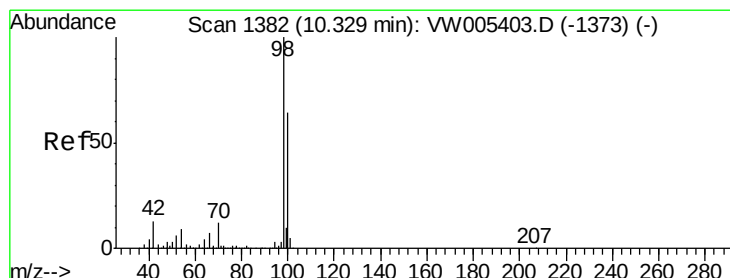
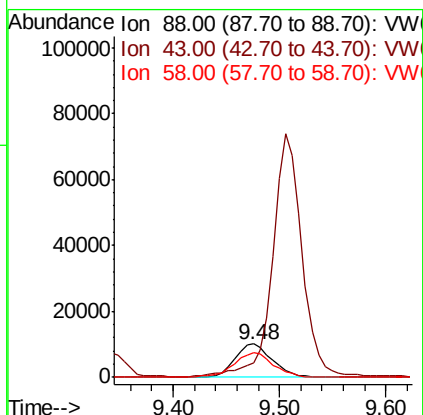
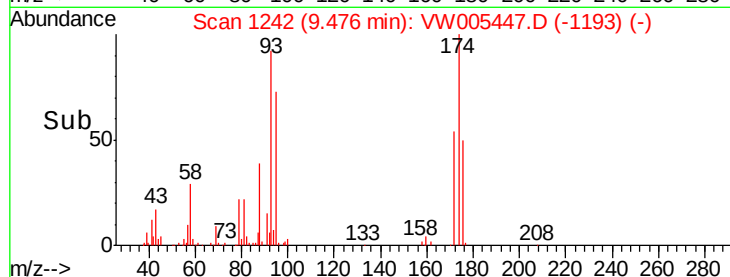
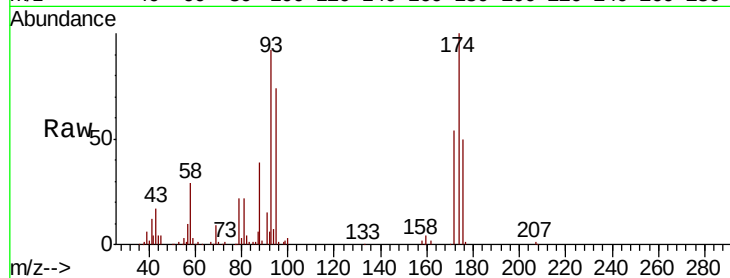
Tgt Ion: 88 Resp: 24789

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 80.0 62.4 93.6



#50

Toluene-d8

Concen: 48.641 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005447.D

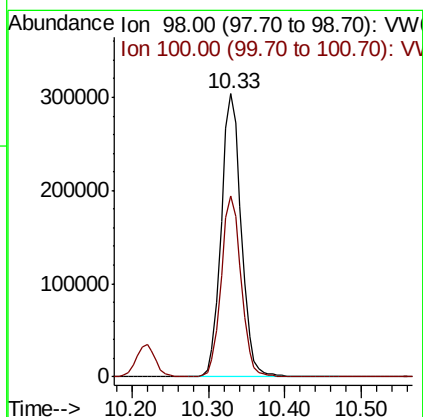
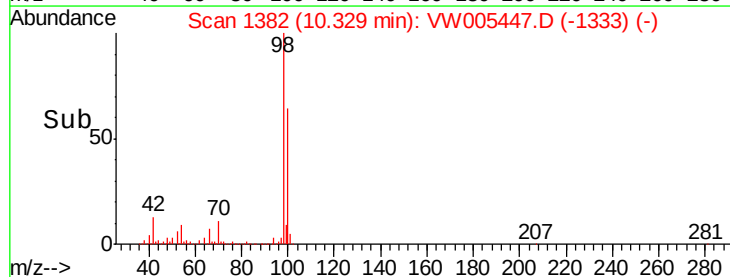
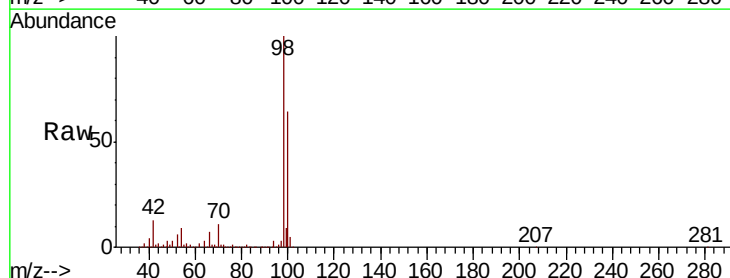
Acq: 17 Sep 2018 21:24

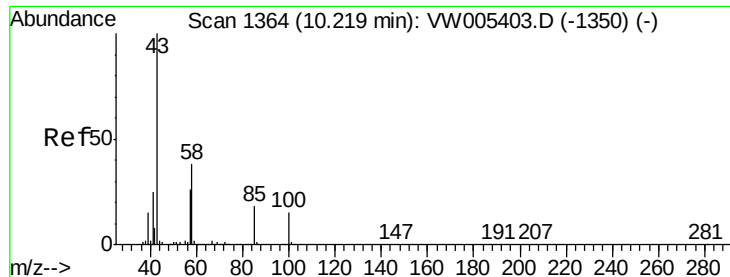
Tgt Ion: 98 Resp: 548089

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.0

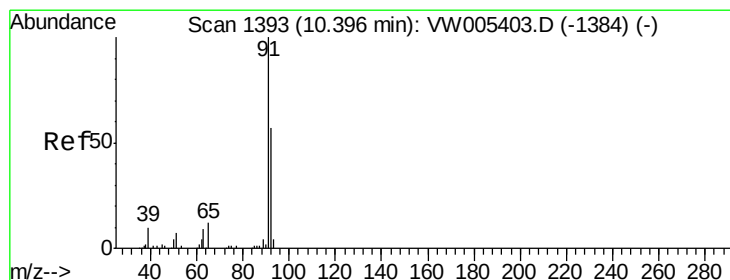
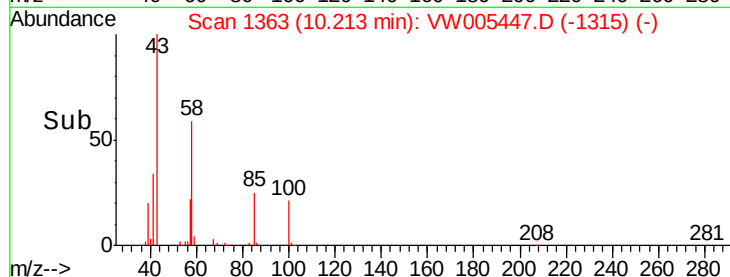
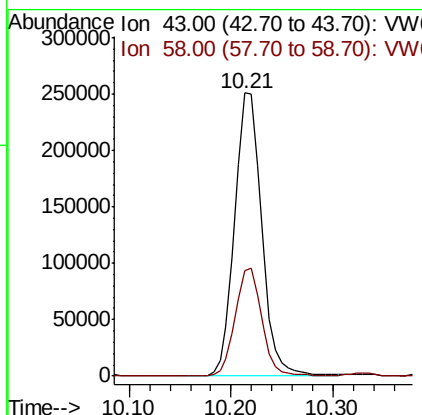
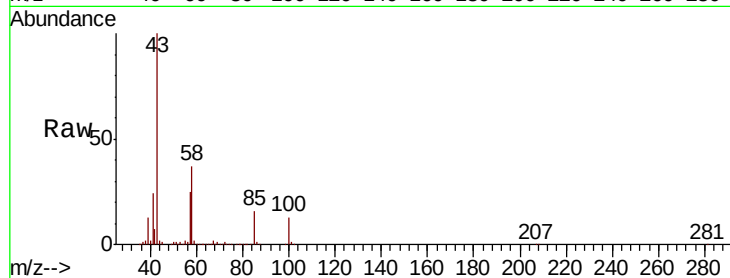




#51
 4-Methyl-2-Pentanone
 Concen: 271.149 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

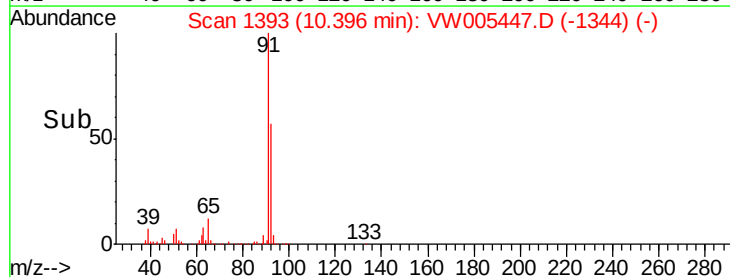
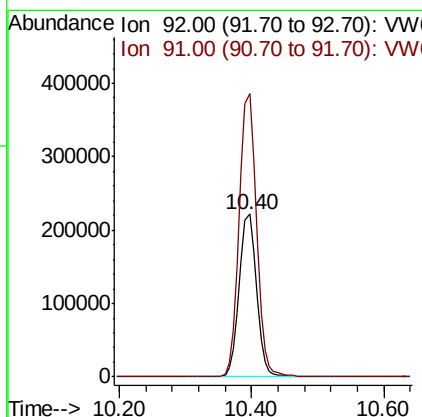
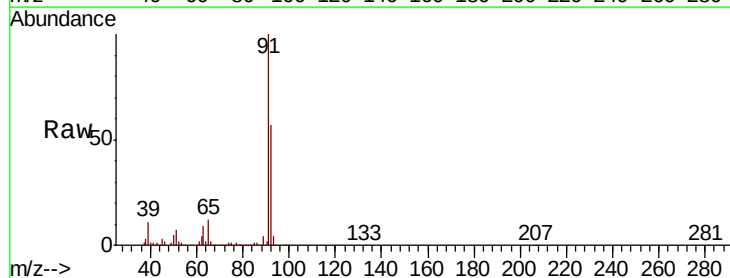
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

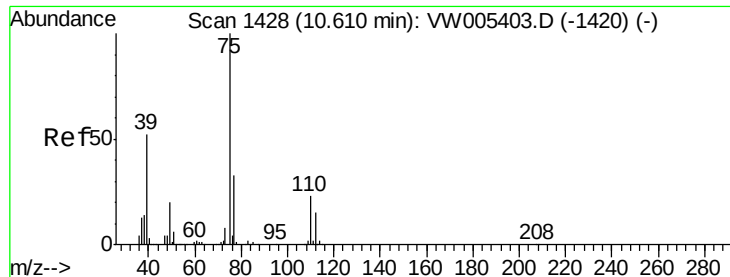
Tgt Ion: 43 Resp: 460087
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.9 44.9



#52
 Toluene
 Concen: 49.543 ug/l
 RT: 10.40 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

Tgt Ion: 92 Resp: 403646
 Ion Ratio Lower Upper
 92 100
 91 173.9 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 49.910 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

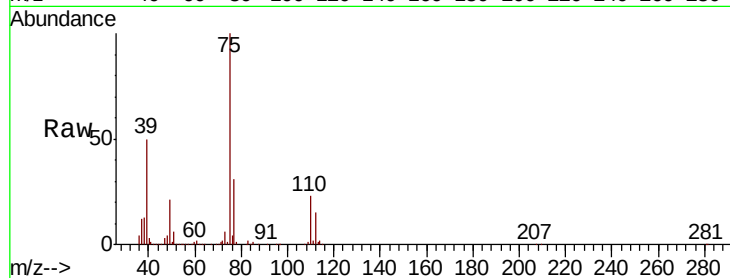
VSTDCCC050EC

Tgt Ion: 75 Resp: 191357

Ion Ratio Lower Upper

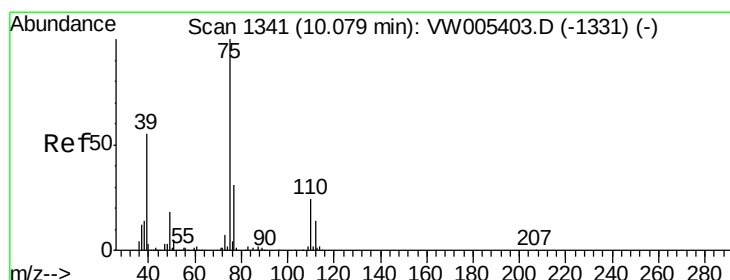
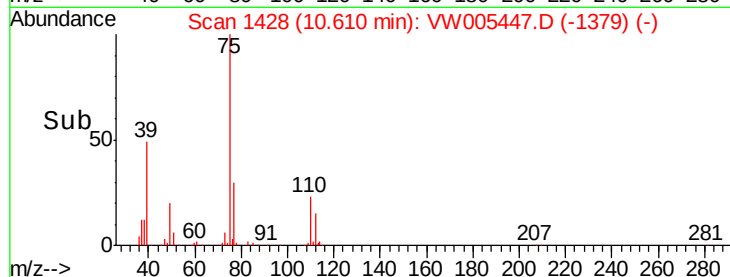
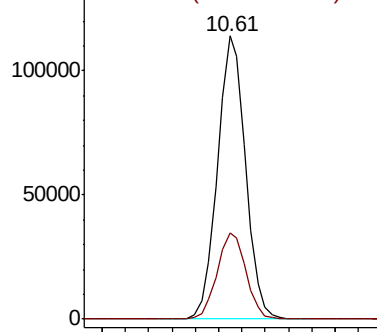
75 100

77 30.4 26.5 39.7



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 50.486 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

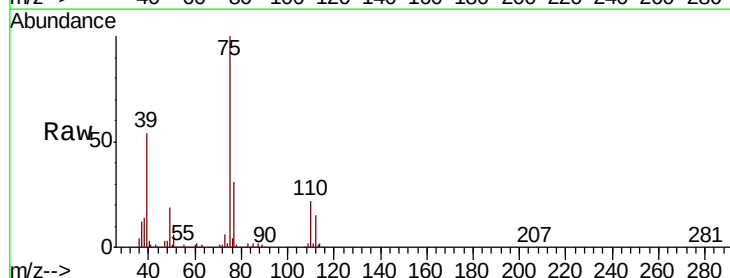
Tgt Ion: 75 Resp: 219168

Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.4

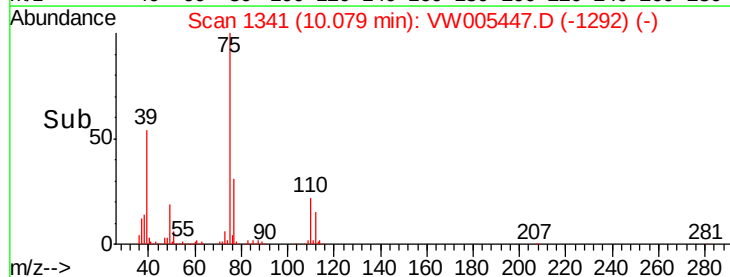
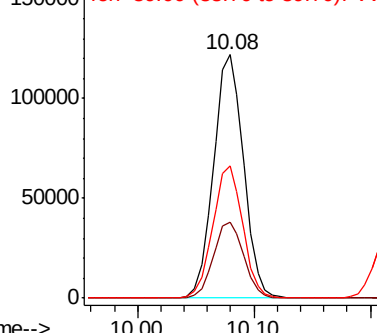
39 54.1 44.2 66.2

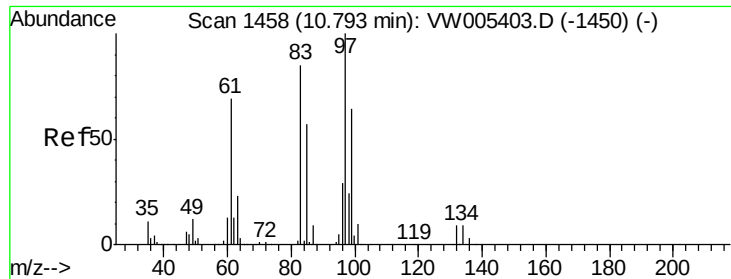


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

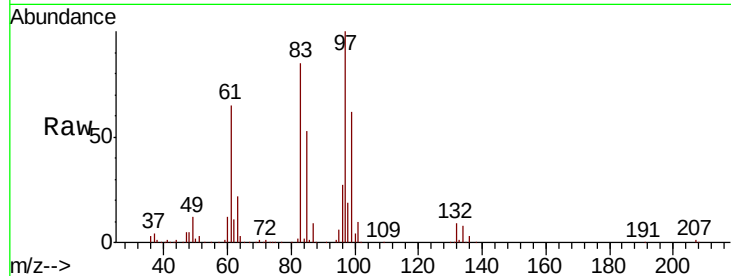




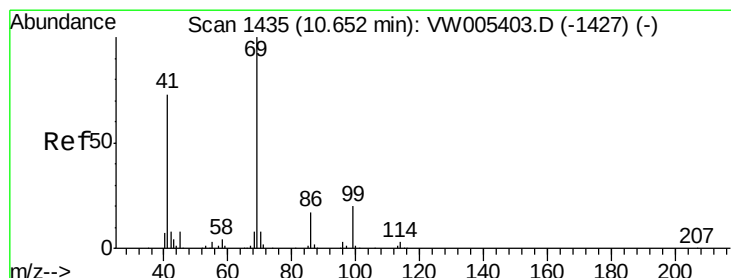
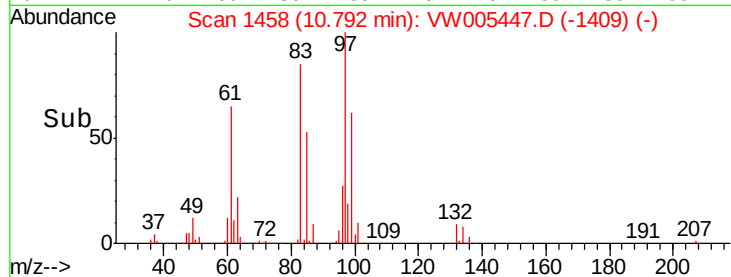
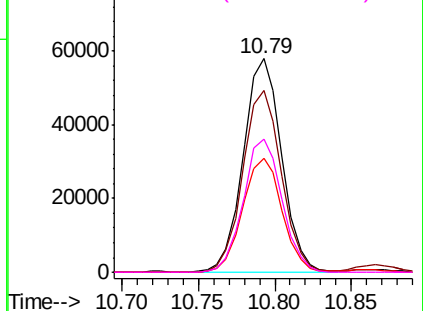
#55
 1,1,2-Trichloroethane
 Concen: 47.850 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	100559
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.8	101.8
85	53.5	45.4	68.0
99	62.4	51.5	77.3

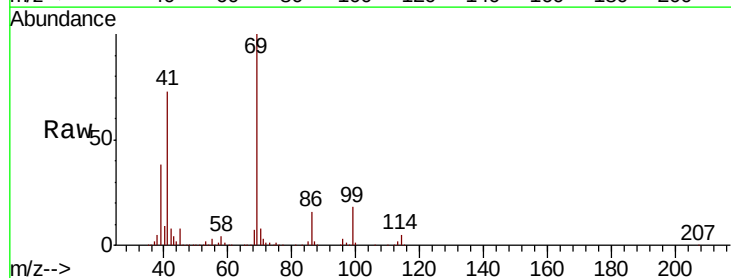


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

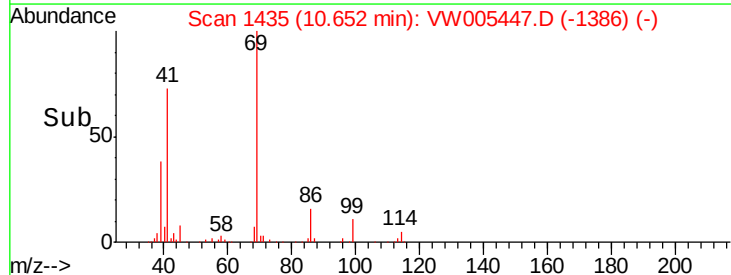
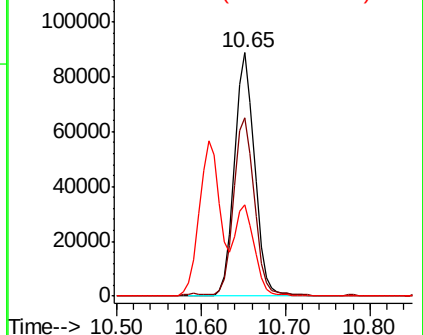


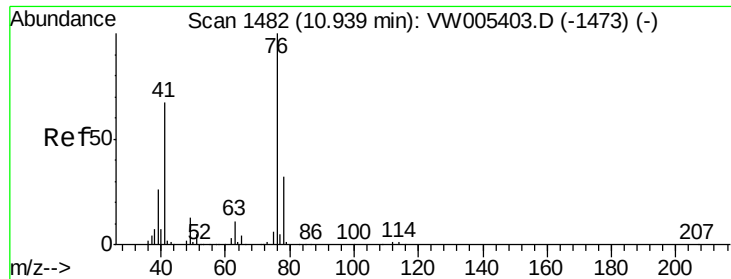
#56
 Ethyl methacrylate
 Concen: 54.174 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

Tgt Ion:	69	Resp:	144103
Ion	Ratio	Lower	Upper
69	100		
41	75.1	59.3	88.9
39	34.8	30.2	45.4



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





#57

1,3-Dichloropropane

Concen: 49.768 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

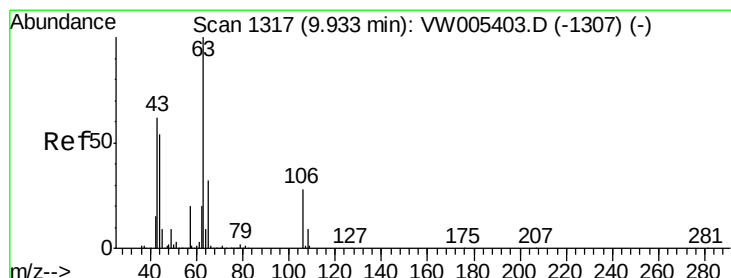
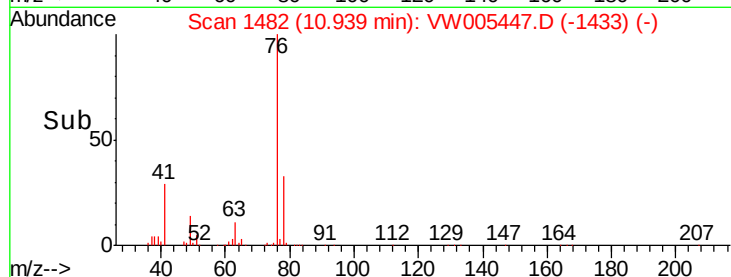
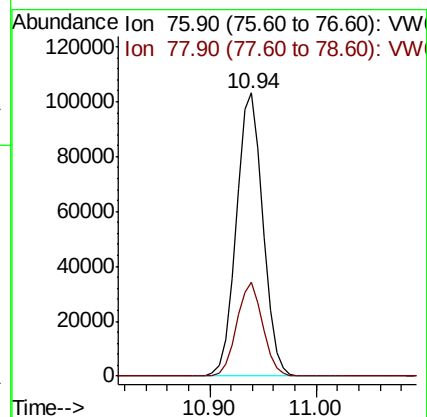
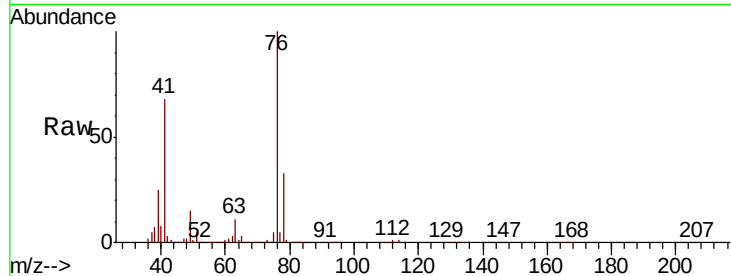
VSTDCCC050EC

Tgt Ion: 76 Resp: 180535

Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 278.729 ug/l

RT: 9.93 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VW005447.D

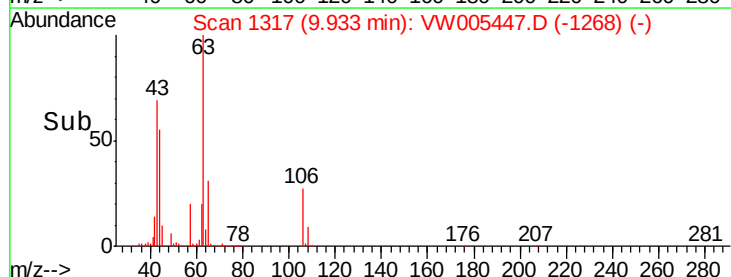
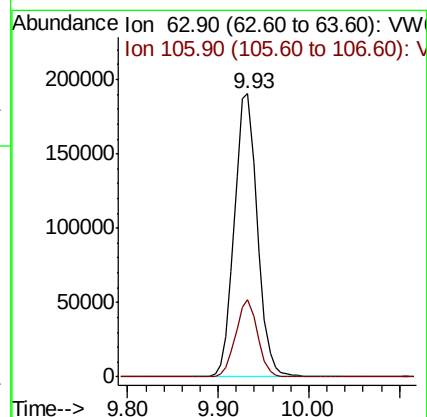
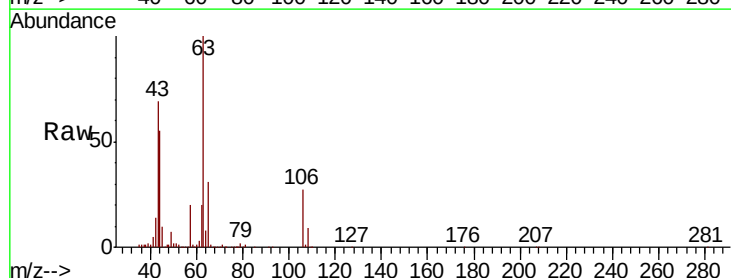
Acq: 17 Sep 2018 21:24

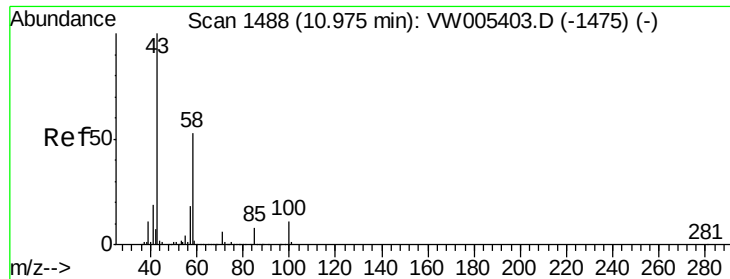
Tgt Ion: 63 Resp: 335339

Ion Ratio Lower Upper

63 100

106 26.2 22.0 33.0

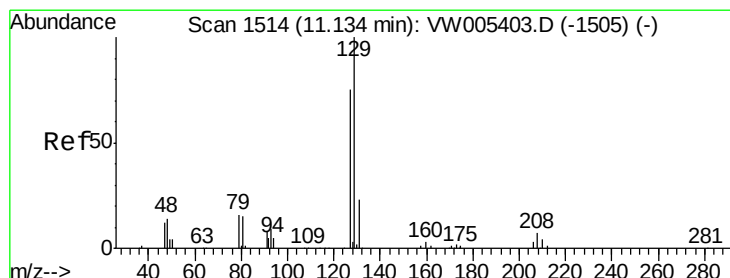
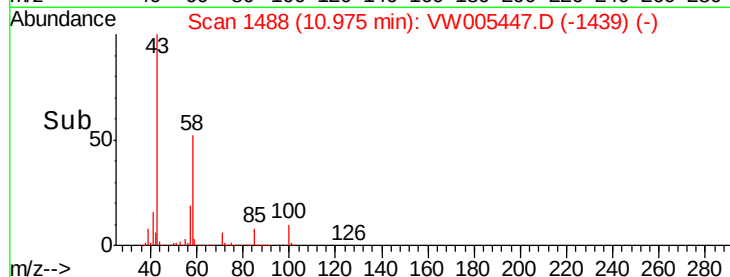
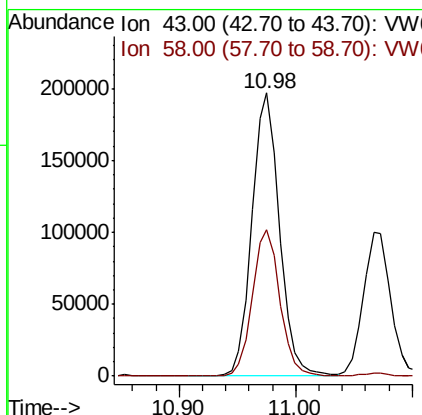
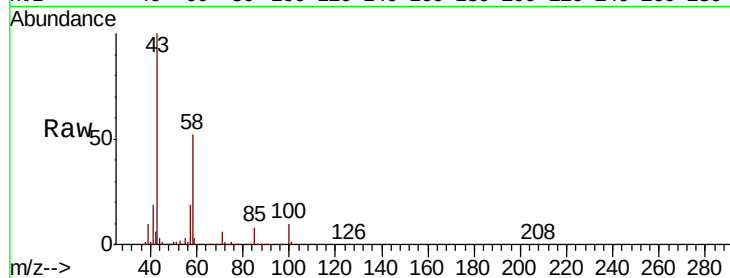




#59
2-Hexanone
Concen: 281.940 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005447.D
Acq: 17 Sep 2018 21:24

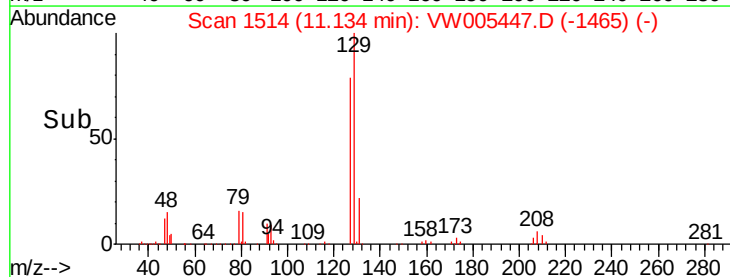
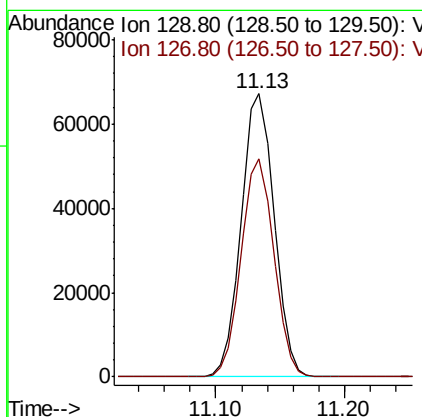
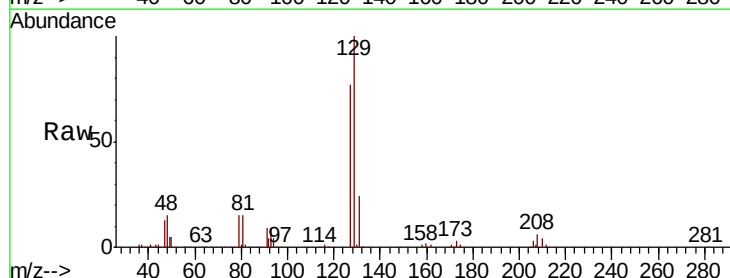
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

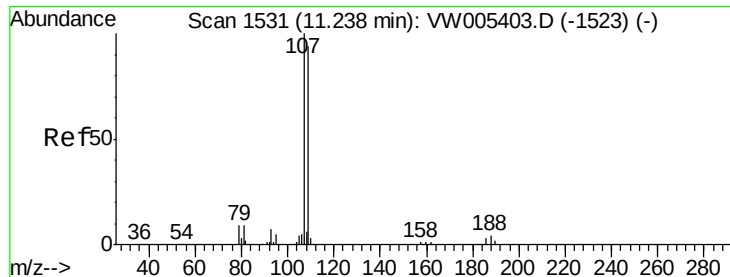
Tgt Ion: 43 Resp: 325868
Ion Ratio Lower Upper
43 100
58 51.7 25.5 76.5



#60
Dibromochloromethane
Concen: 47.081 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005447.D
Acq: 17 Sep 2018 21:24

Tgt Ion: 129 Resp: 119048
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.3

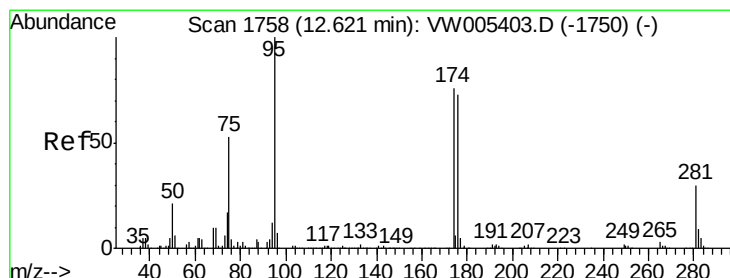
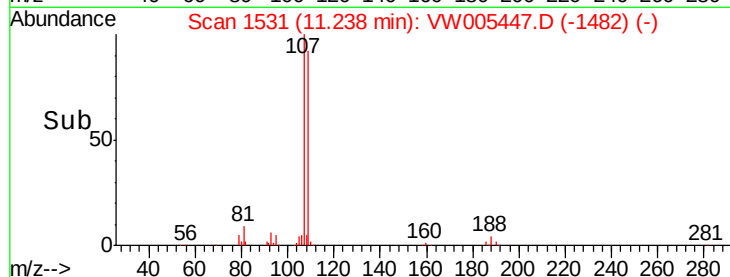
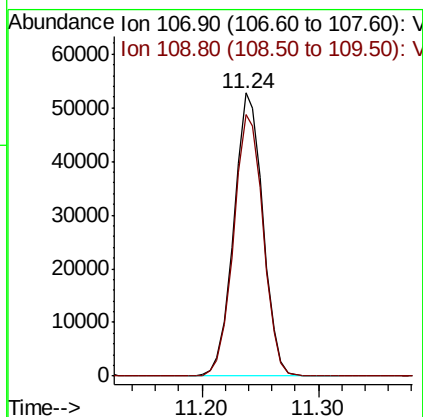
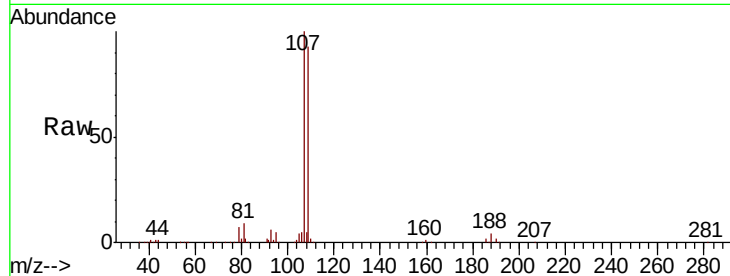




#61
 1,2-Dibromoethane
 Concen: 48.607 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

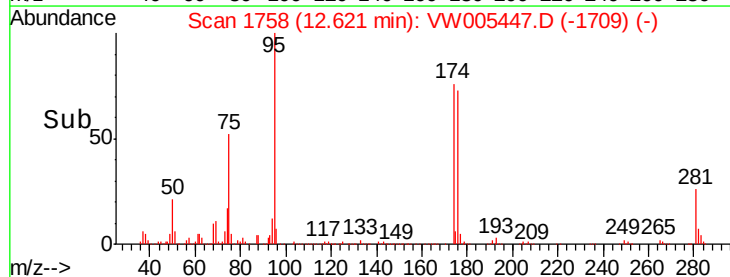
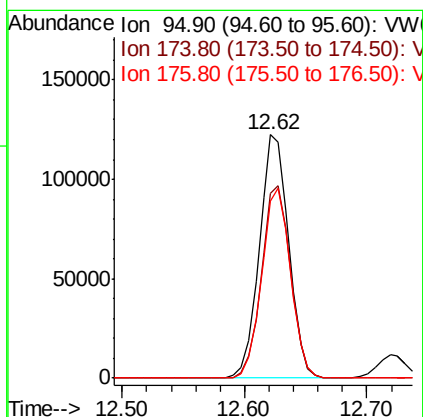
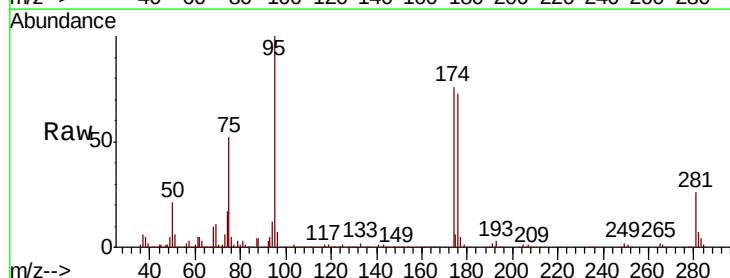
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

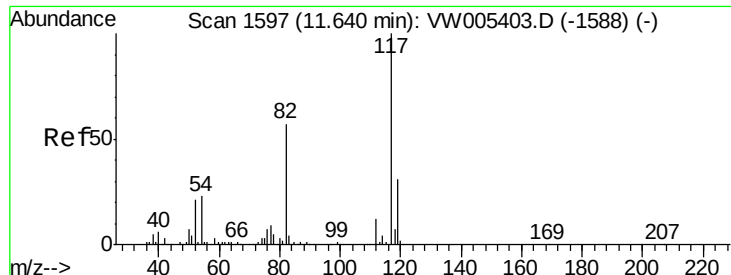
Tgt Ion: 107 Resp: 91612
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 49.253 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

Tgt Ion: 95 Resp: 203496
 Ion Ratio Lower Upper
 95 100
 174 78.9 0.0 161.2
 176 76.9 0.0 156.6

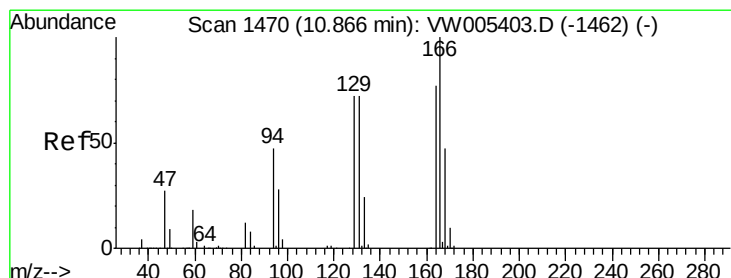
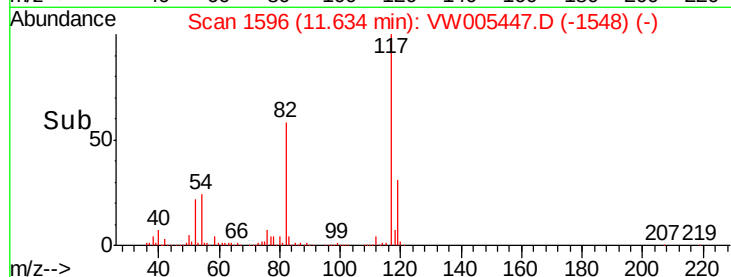
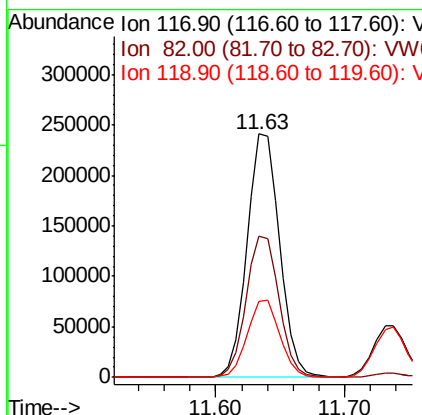
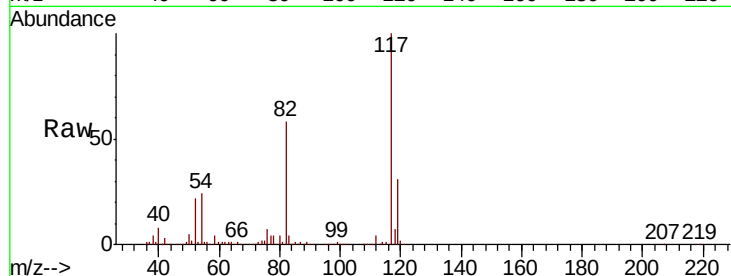




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VW005447.D
Acq: 17 Sep 2018 21:24

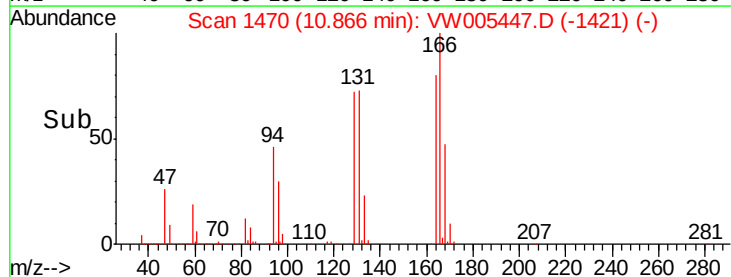
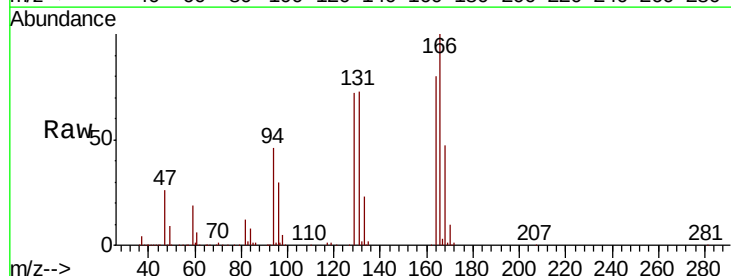
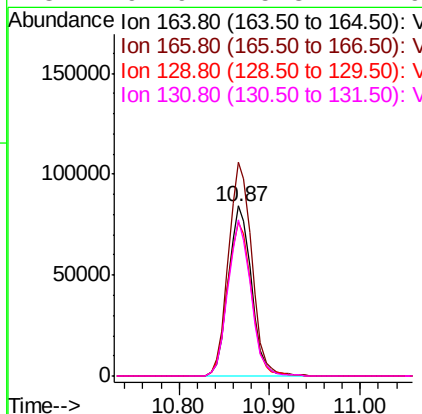
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

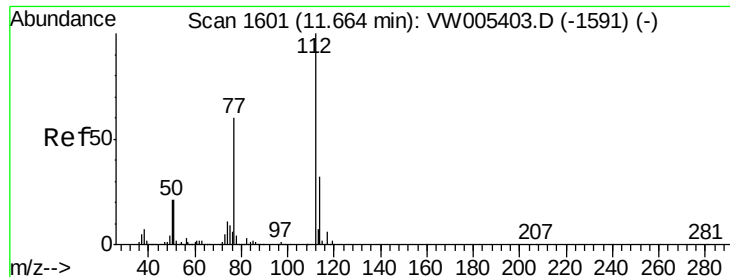
Tgt Ion:117 Resp: 419597
Ion Ratio Lower Upper
117 100
82 57.9 45.9 68.9
119 31.4 24.8 37.2



#64
Tetrachloroethene
Concen: 48.096 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW005447.D
Acq: 17 Sep 2018 21:24

Tgt Ion:164 Resp: 149149
Ion Ratio Lower Upper
164 100
166 125.5 104.0 156.0
129 90.6 74.9 112.3
131 91.9 75.3 112.9

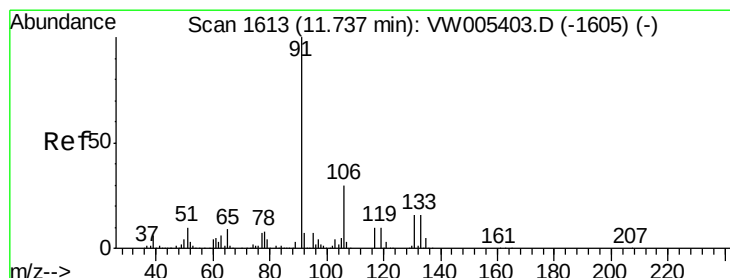
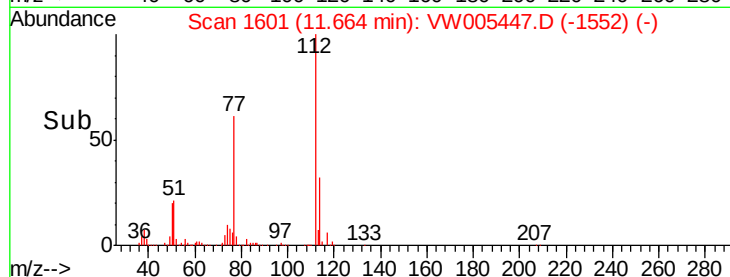
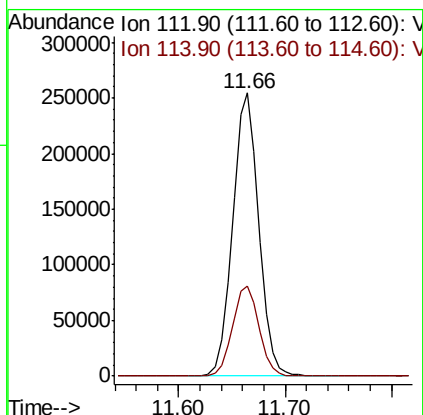
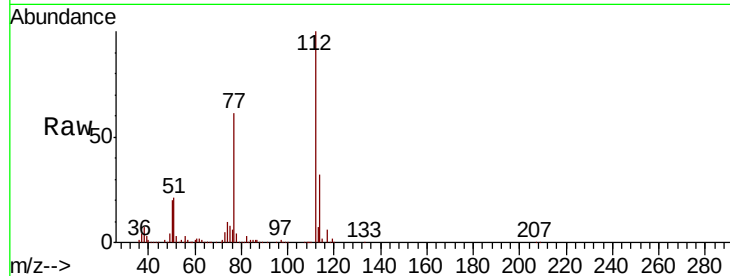




#65
Chlorobenzene
Concen: 48.917 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW005447.D
Acq: 17 Sep 2018 21:24

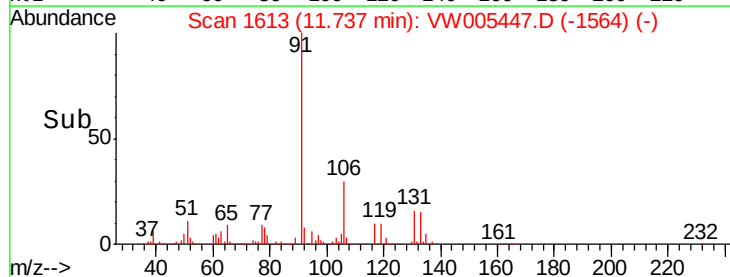
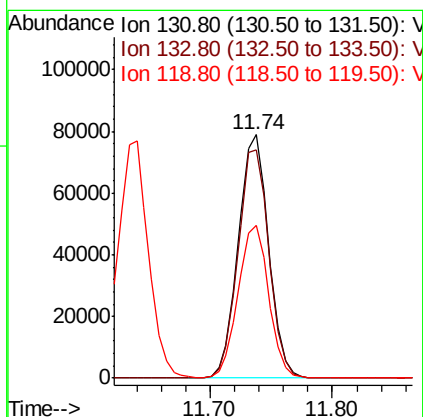
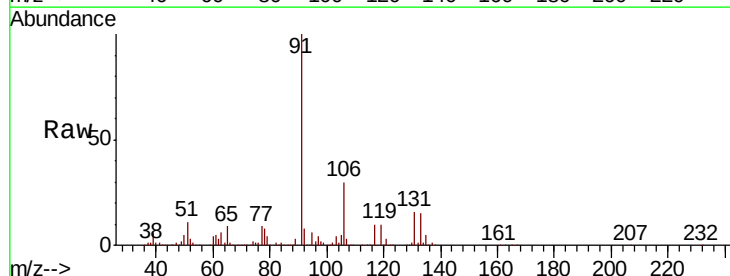
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

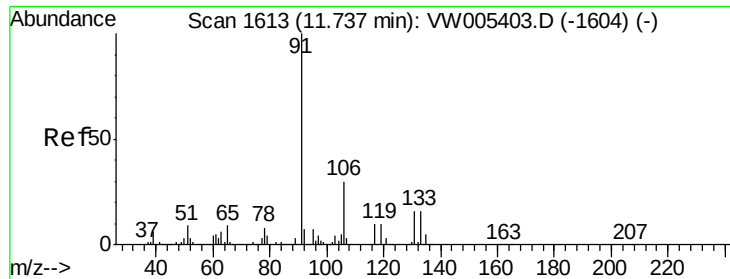
Tgt Ion:112 Resp: 435613
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 47.675 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005447.D
Acq: 17 Sep 2018 21:24

Tgt Ion:131 Resp: 135696
Ion Ratio Lower Upper
131 100
133 95.6 47.3 141.9
119 63.5 31.1 93.5

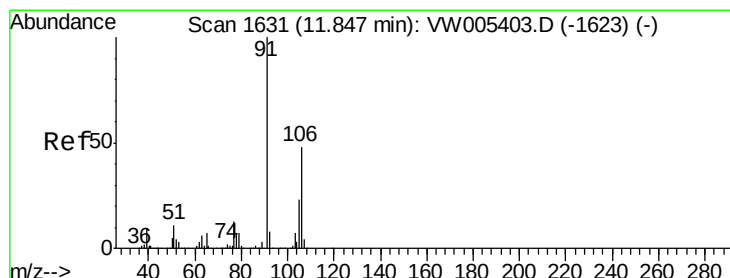
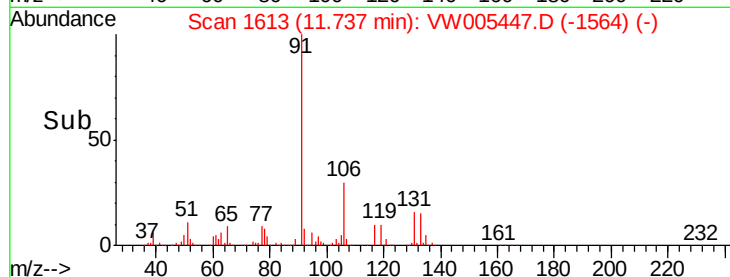
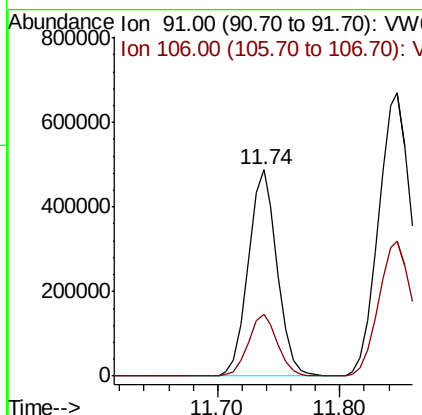
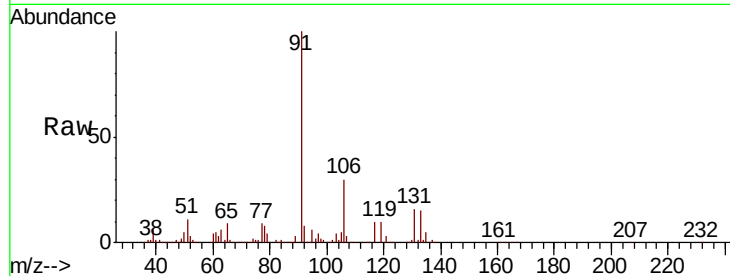




#67
Ethyl Benzene
Concen: 51.093 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005447.D
Acq: 17 Sep 2018 21:24

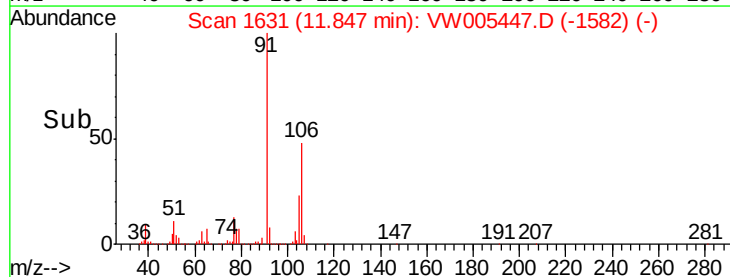
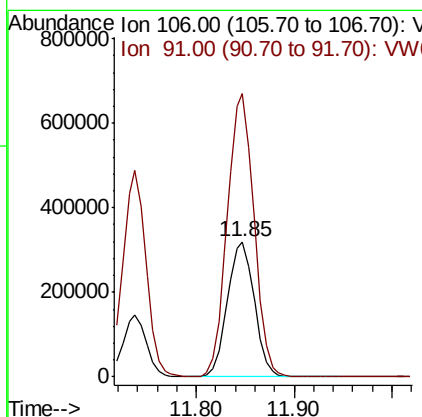
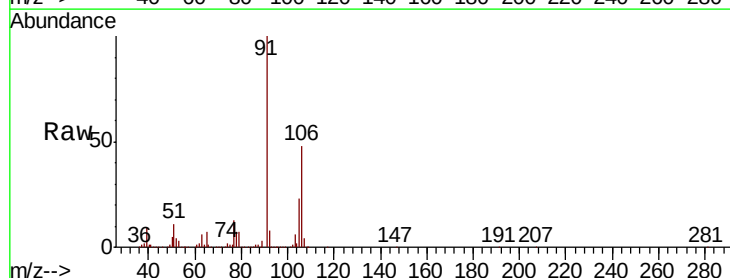
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

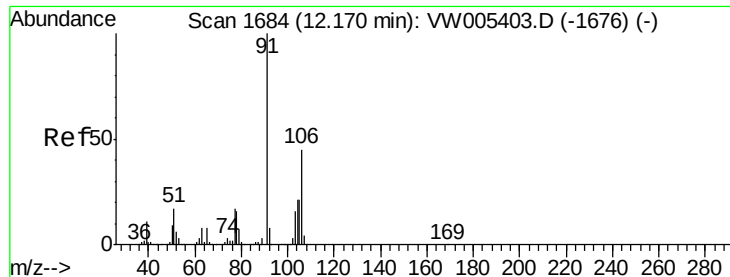
Tgt Ion: 91 Resp: 800154
Ion Ratio Lower Upper
91 100
106 29.9 24.2 36.4



#68
m/p-Xylenes
Concen: 100.917 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005447.D
Acq: 17 Sep 2018 21:24

Tgt Ion: 106 Resp: 608255
Ion Ratio Lower Upper
106 100
91 208.7 167.9 251.9

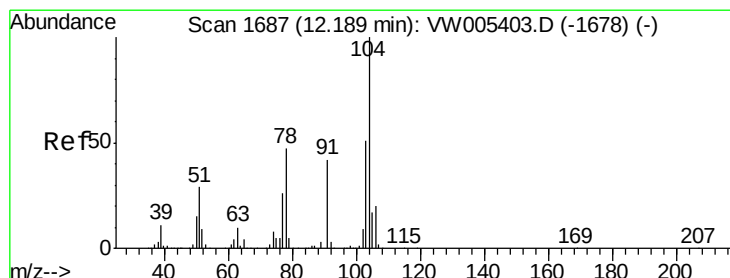
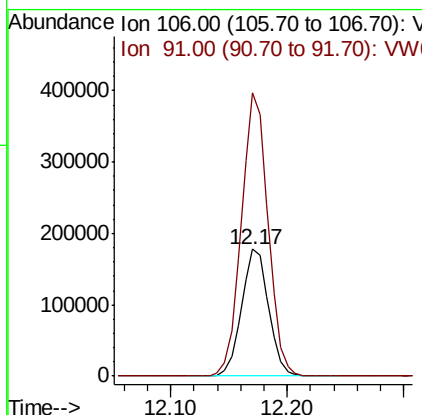
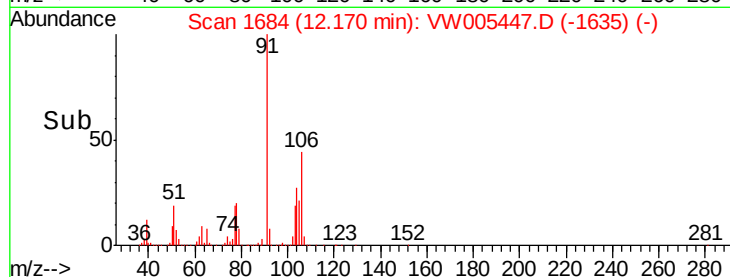
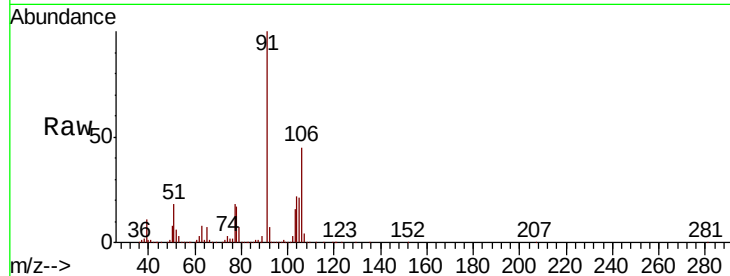




#69
o-Xylene
Concen: 51.328 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005447.D
Acq: 17 Sep 2018 21:24

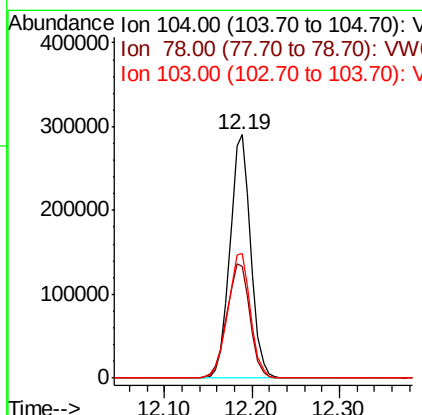
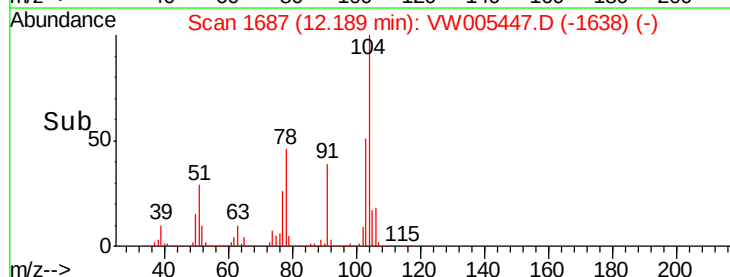
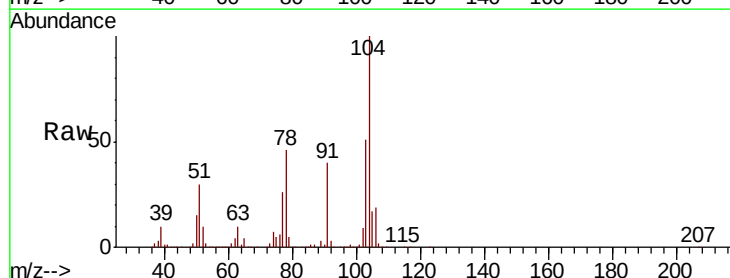
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

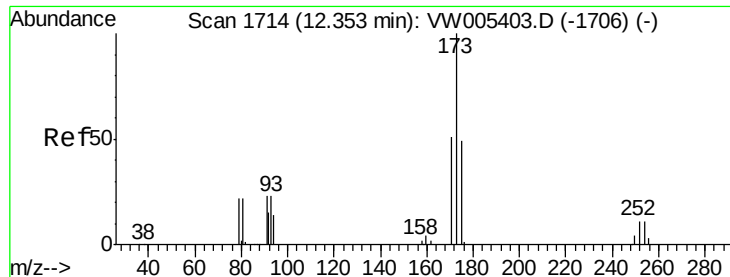
Tgt Ion:106 Resp: 288093
Ion Ratio Lower Upper
106 100
91 220.5 110.6 331.6



#70
Styrene
Concen: 51.844 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005447.D
Acq: 17 Sep 2018 21:24

Tgt Ion:104 Resp: 480211
Ion Ratio Lower Upper
104 100
78 52.1 42.4 63.6
103 55.8 44.8 67.2





#71

Bromoform

Concen: 47.895 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

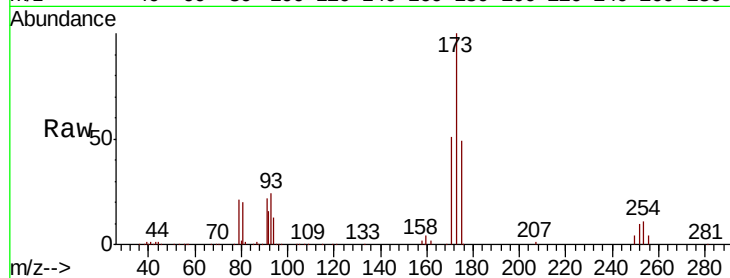
Tgt Ion:173 Resp: 72116

Ion Ratio Lower Upper

173 100

175 47.5 24.2 72.6

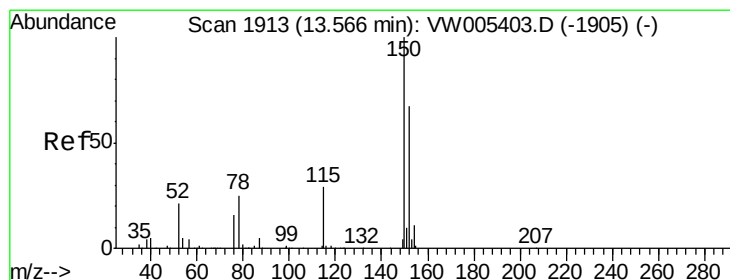
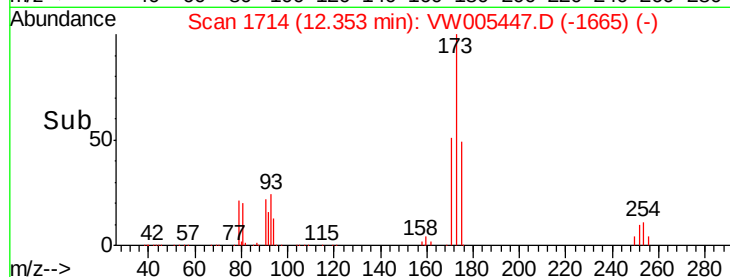
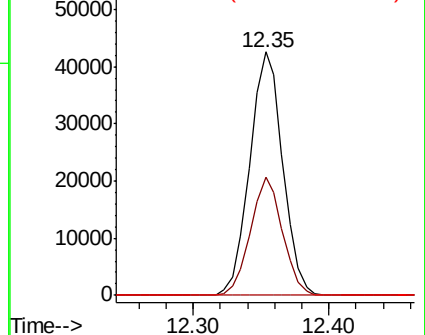
254 0.2 0.0 0.0#



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: VW005447.D

Acq: 17 Sep 2018 21:24

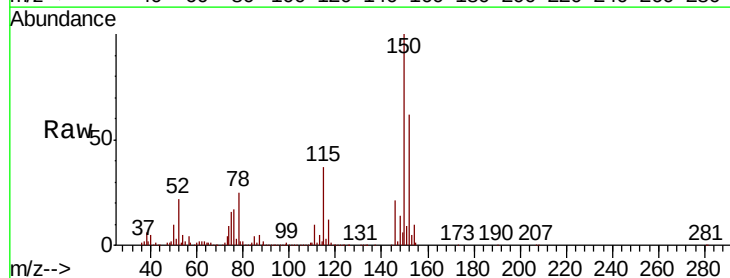
Tgt Ion:152 Resp: 218932

Ion Ratio Lower Upper

152 100

115 59.2 29.5 88.5

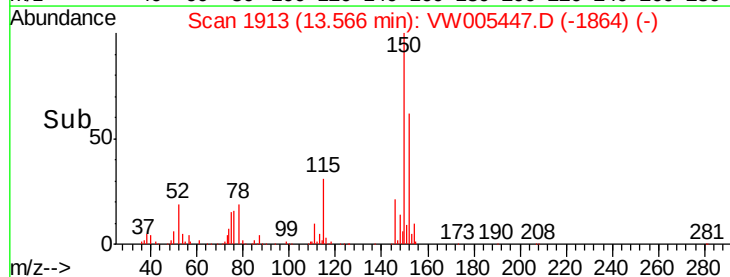
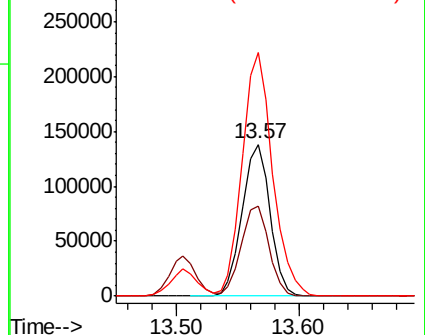
150 174.4 0.0 345.6

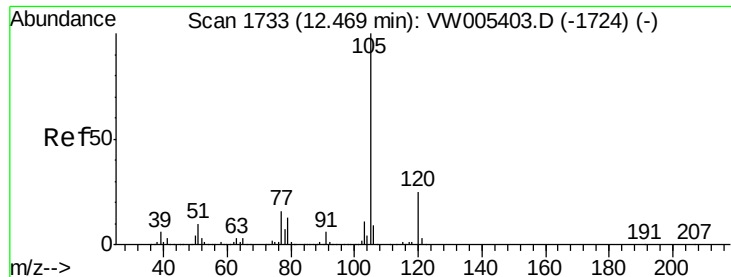


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.569 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

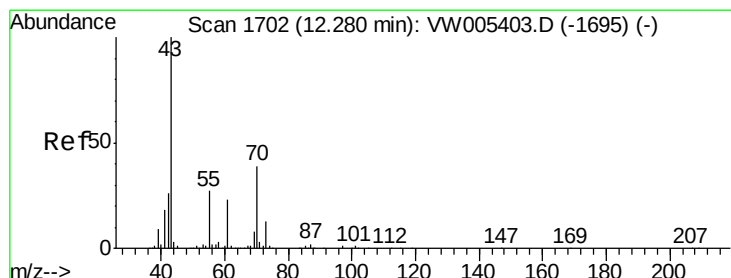
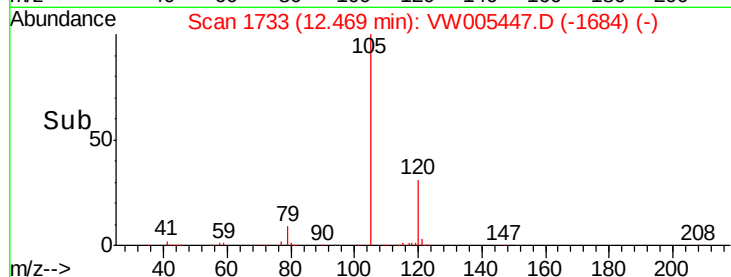
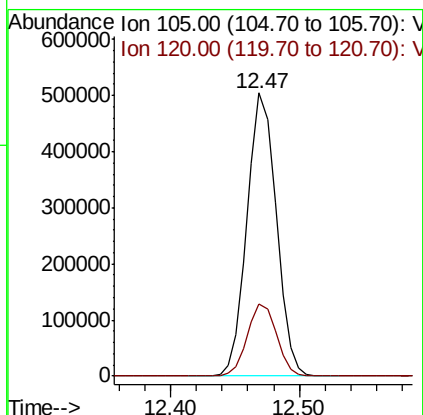
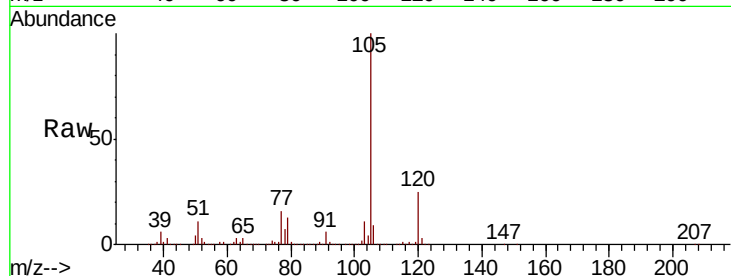
VSTDCCC050EC

Tgt Ion:105 Resp: 792086

Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.6



#74

N-ethyl acetate

Concen: 56.989 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Tgt Ion: 43 Resp: 184452

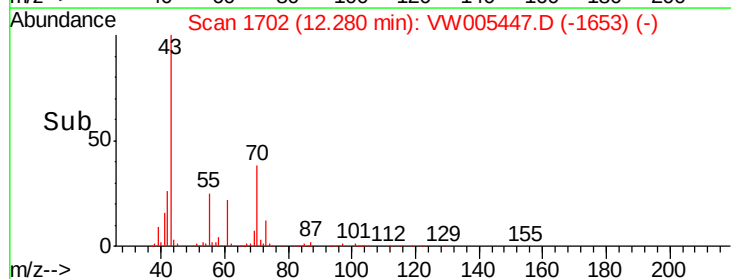
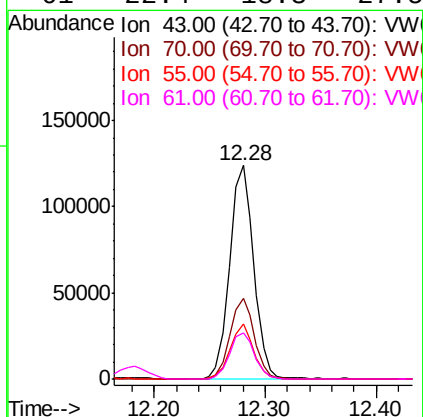
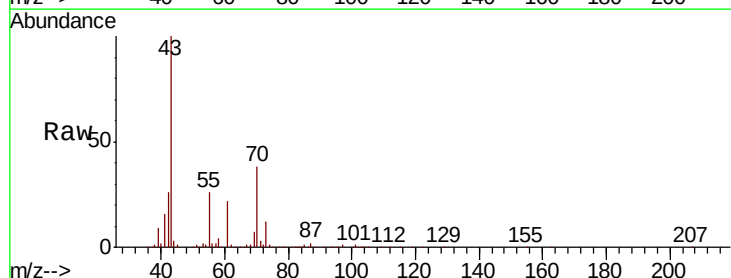
Ion Ratio Lower Upper

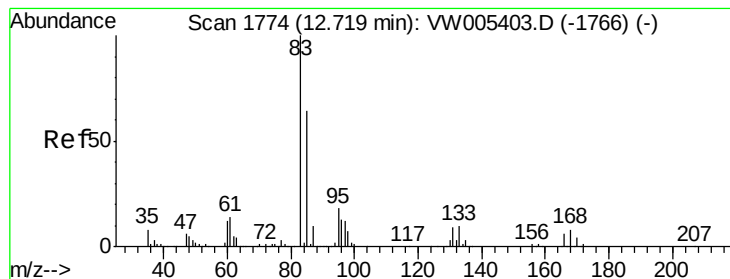
43 100

70 37.8 31.9 47.9

55 24.7 21.4 32.0

61 22.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 53.185 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

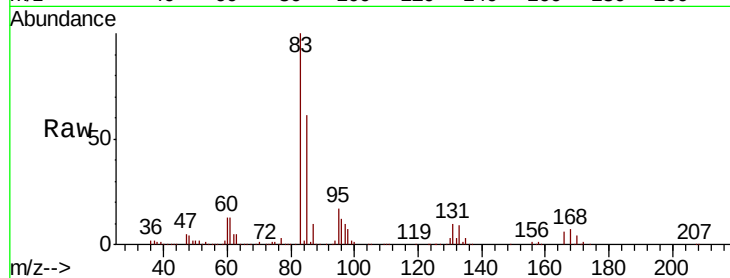
Tgt Ion: 83 Resp: 119172

Ion Ratio Lower Upper

83 100

131 10.7 5.7 17.1

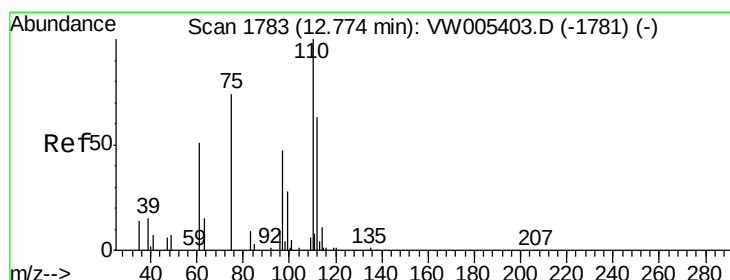
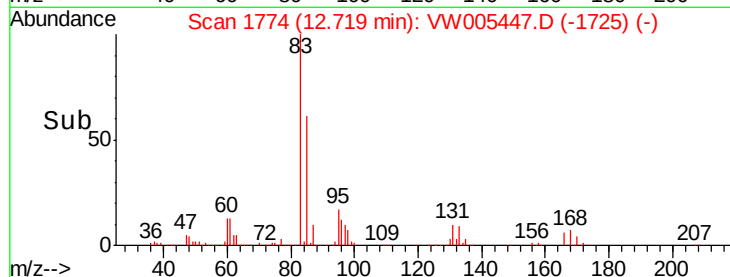
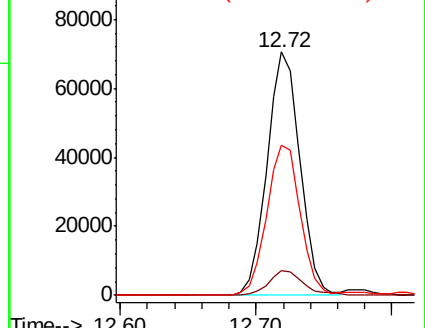
85 63.1 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 93.577 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005447.D

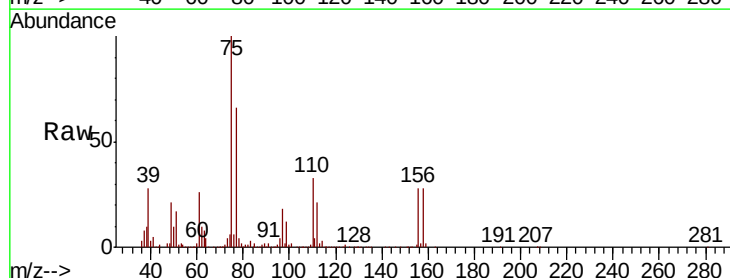
Acq: 17 Sep 2018 21:24

Tgt Ion: 75 Resp: 168501

Ion Ratio Lower Upper

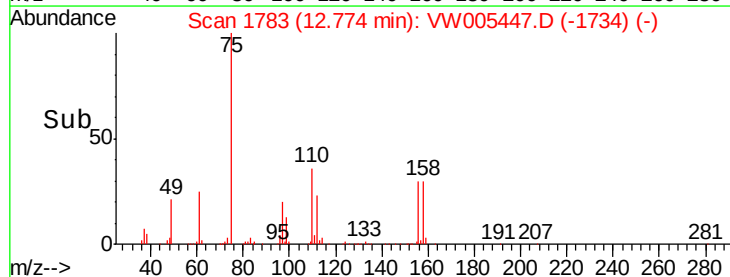
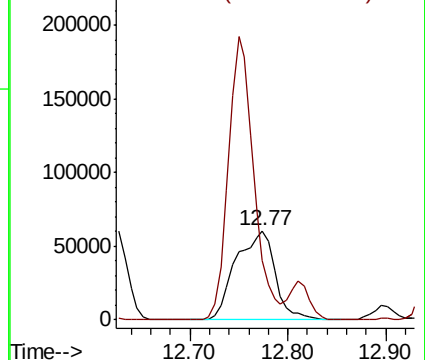
75 100

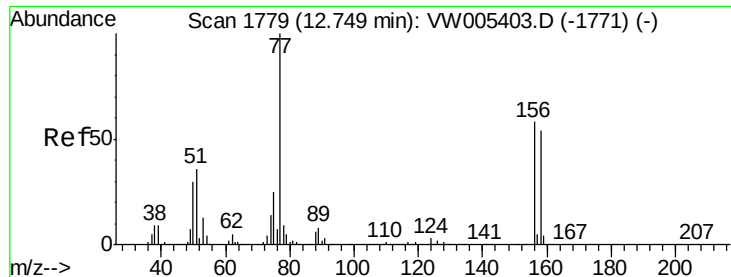
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 48.776 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

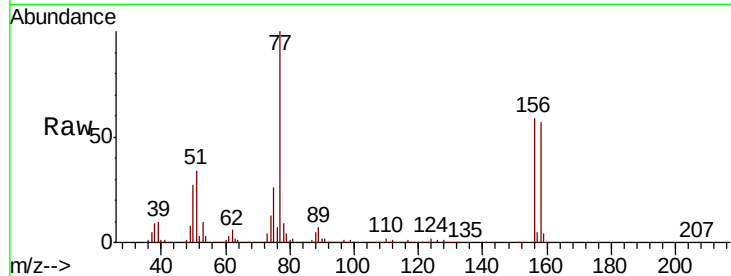
Tgt Ion: 156 Resp: 177124

Ion Ratio Lower Upper

156 100

77 195.6 92.8 278.3

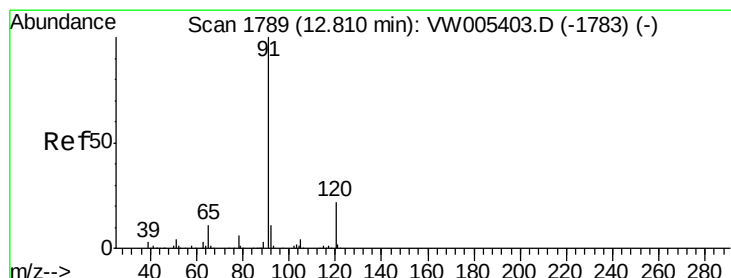
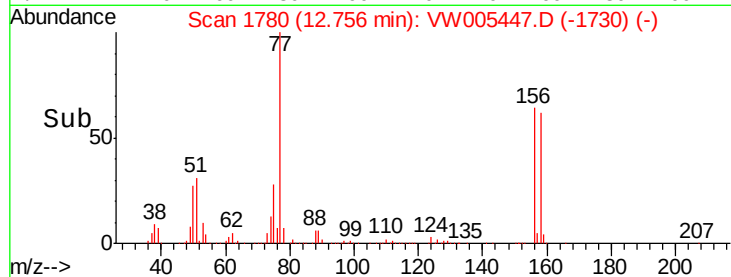
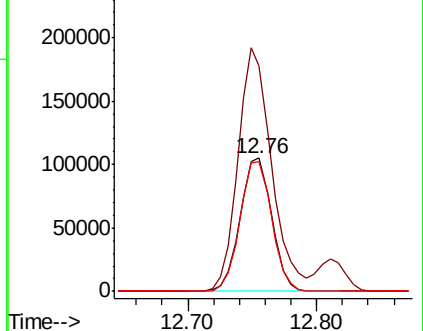
158 98.0 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.301 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW005447.D

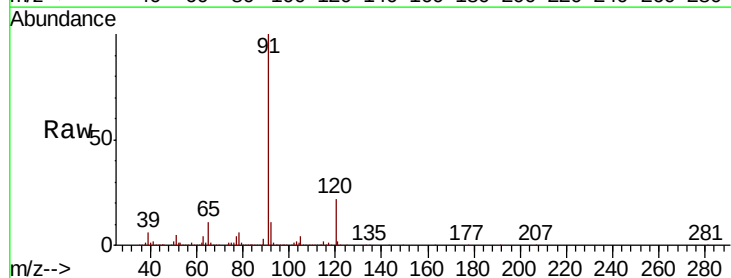
Acq: 17 Sep 2018 21:24

Tgt Ion: 91 Resp: 969514

Ion Ratio Lower Upper

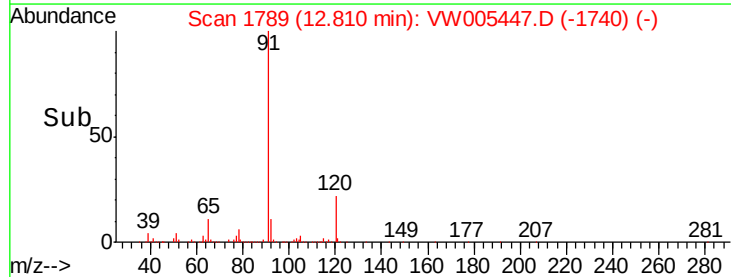
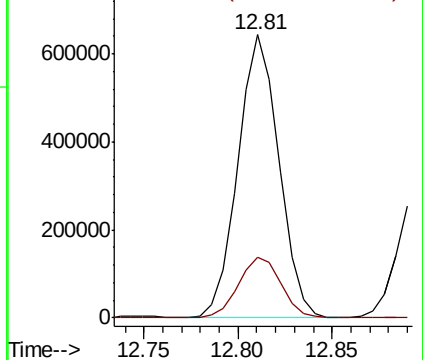
91 100

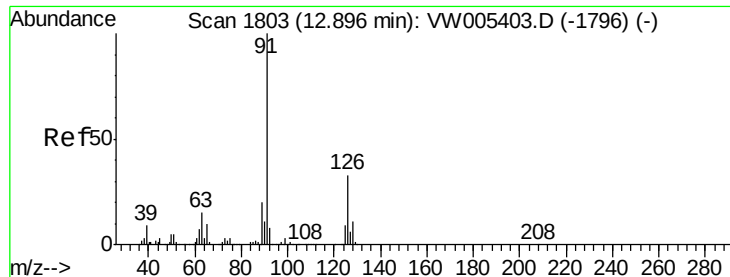
120 22.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.960 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

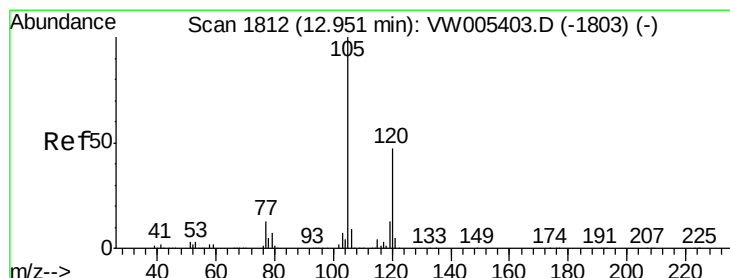
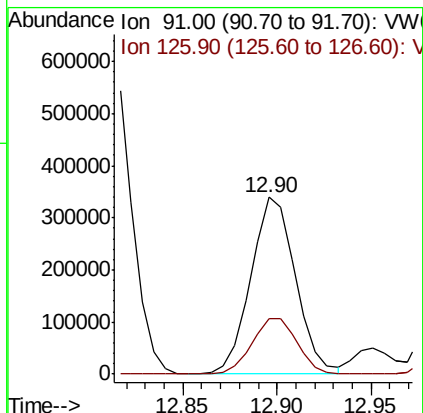
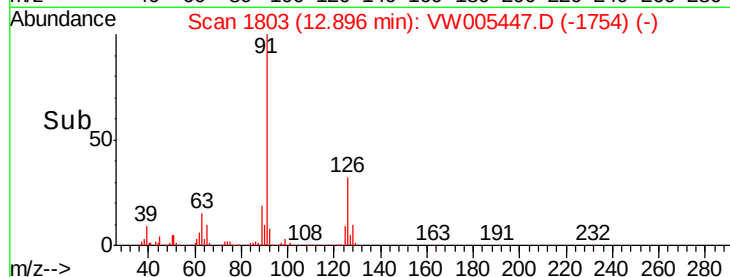
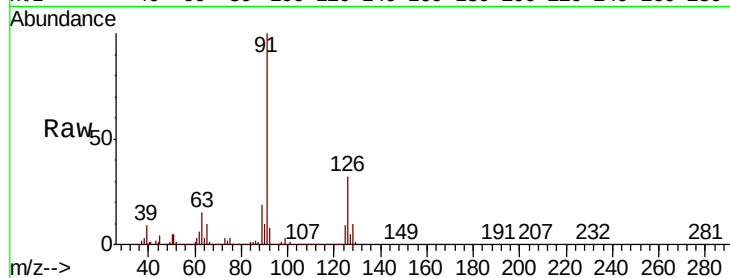
VSTDCCC050EC

Tgt Ion: 91 Resp: 557305

Ion Ratio Lower Upper

91 100

126 32.3 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 51.188 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005447.D

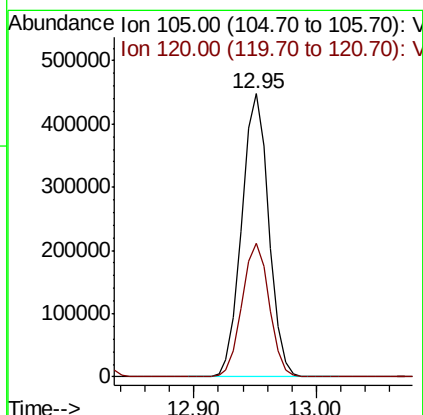
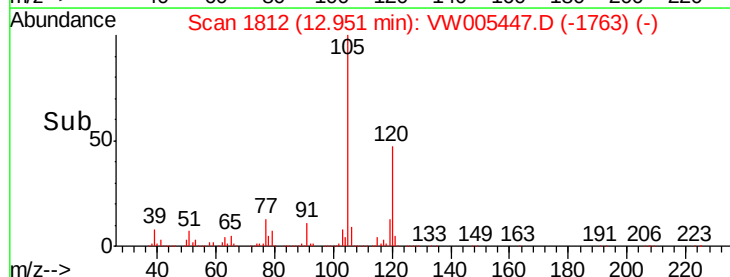
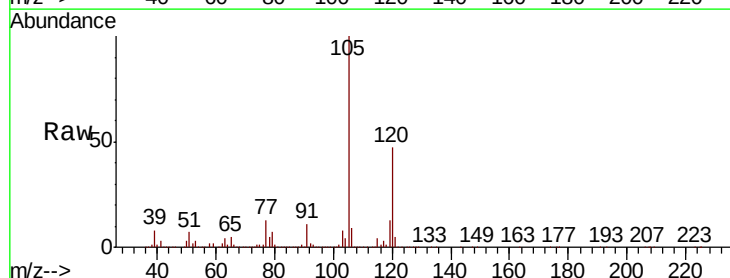
Acq: 17 Sep 2018 21:24

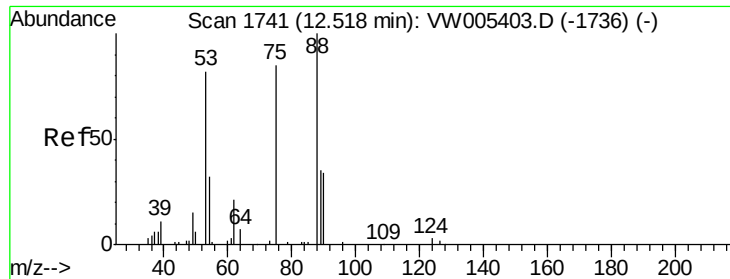
Tgt Ion: 105 Resp: 686021

Ion Ratio Lower Upper

105 100

120 47.5 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 52.365 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

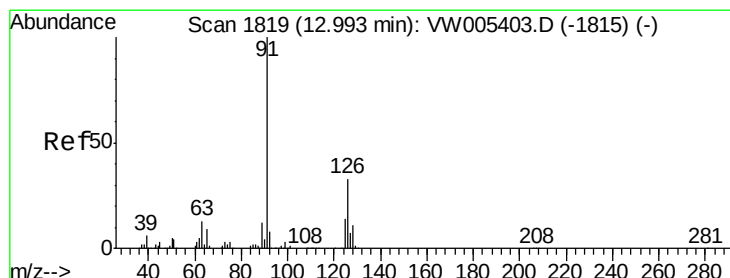
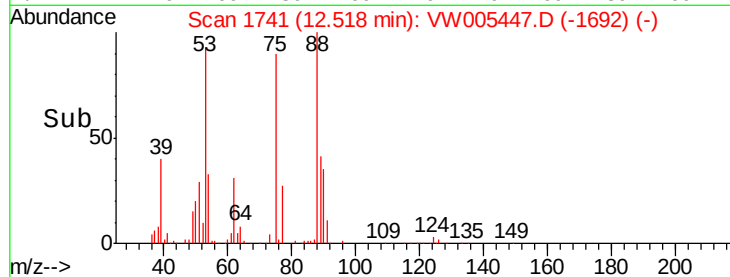
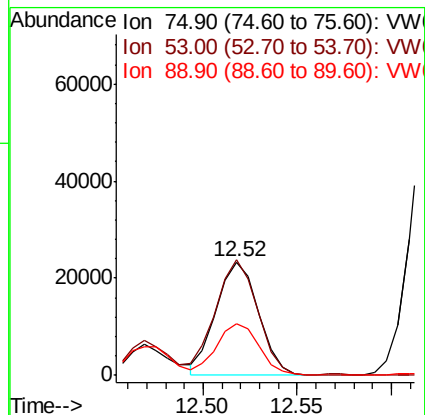
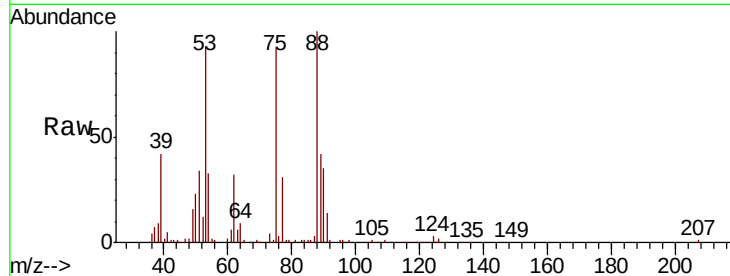
Tgt Ion: 75 Resp: 36349

Ion Ratio Lower Upper

75 100

53 103.1 83.2 124.8

89 46.3 36.6 54.8



#82

4-Chlorotoluene

Concen: 50.336 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW005447.D

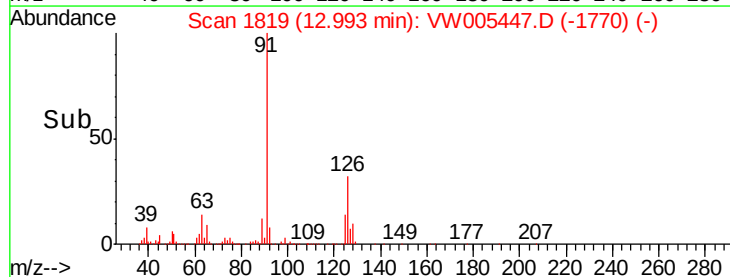
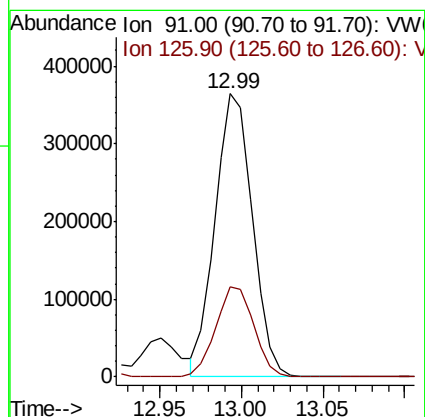
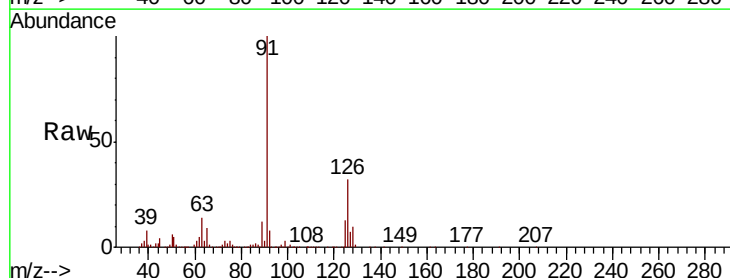
Acq: 17 Sep 2018 21:24

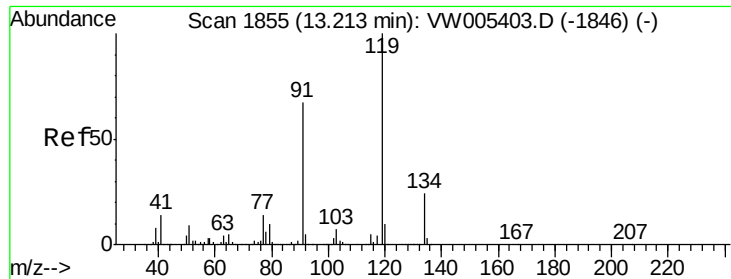
Tgt Ion: 91 Resp: 581156

Ion Ratio Lower Upper

91 100

126 32.6 16.4 49.1

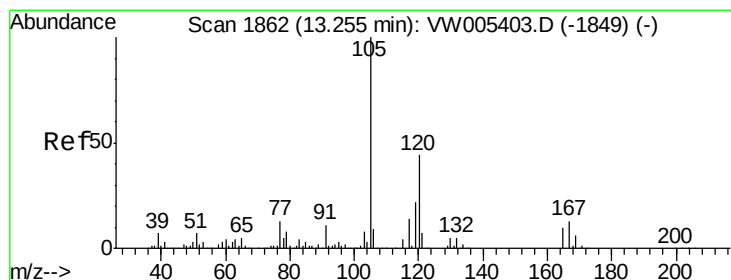
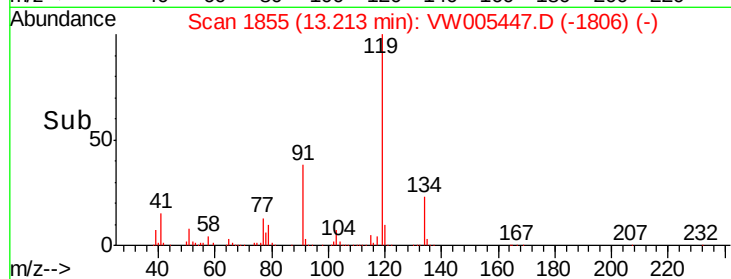
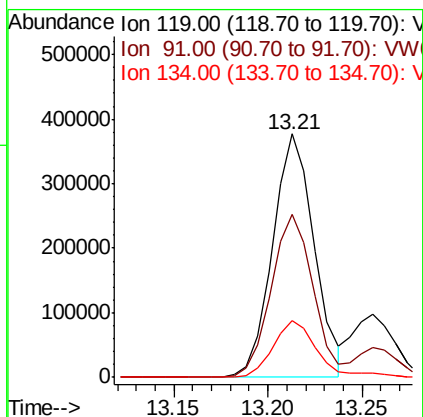
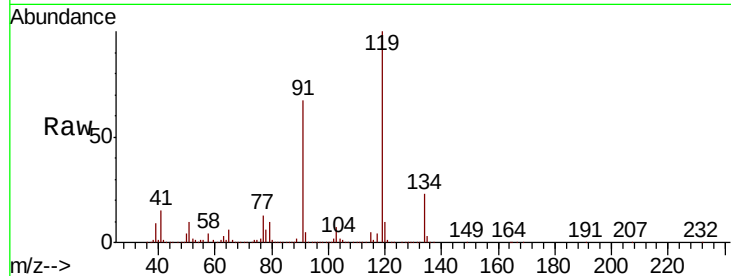




#83
 tert-Butylbenzene
 Concen: 51.816 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

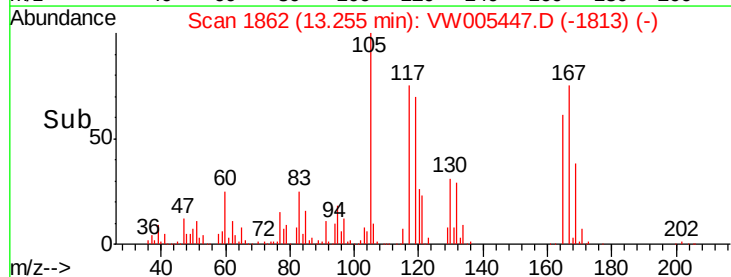
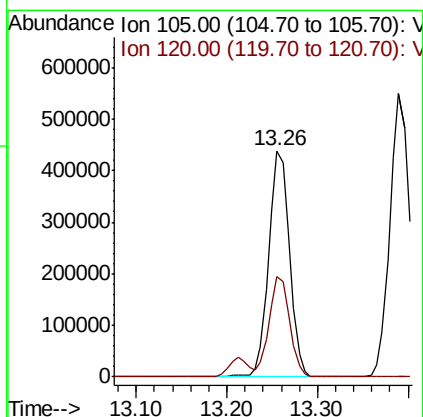
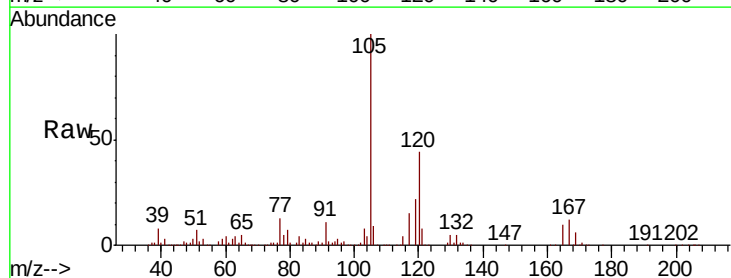
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

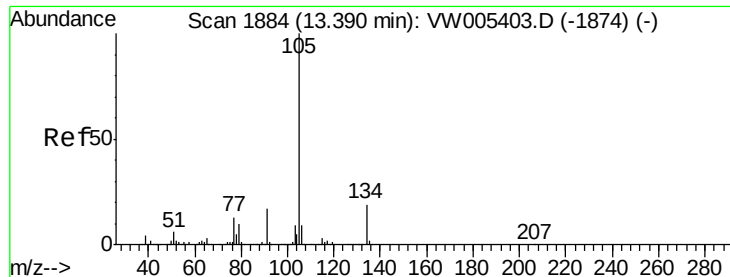
Tgt Ion:119 Resp: 576796
 Ion Ratio Lower Upper
 119 100
 91 68.3 34.4 103.2
 134 25.0 12.7 38.0



#84
 1,2,4-Trimethylbenzene
 Concen: 51.227 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

Tgt Ion:105 Resp: 697021
 Ion Ratio Lower Upper
 105 100
 120 43.6 21.8 65.3





#85

sec-Butylbenzene

Concen: 51.743 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

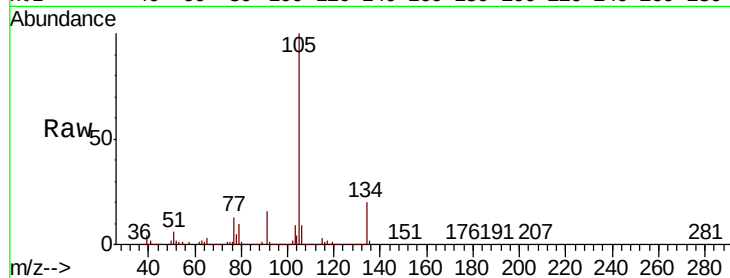
VSTDCCC050EC

Tgt Ion:105 Resp: 832244

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

600000

500000

400000

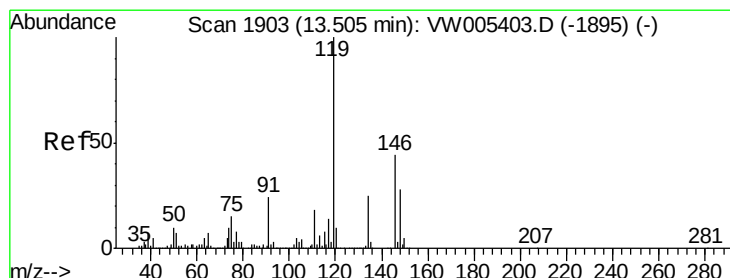
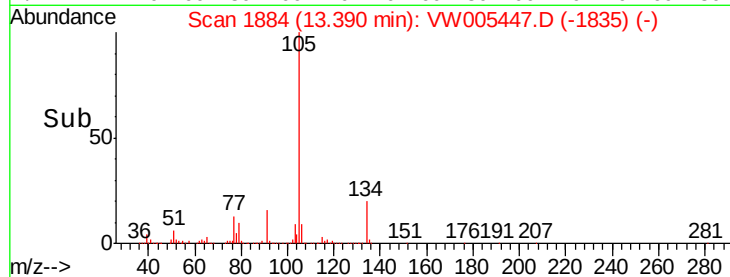
300000

200000

100000

0

Time--> 13.30 13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 51.720 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

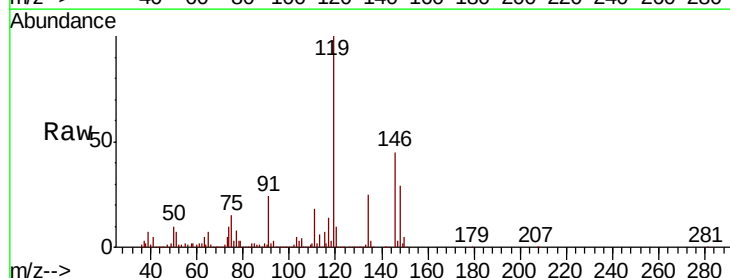
Tgt Ion:119 Resp: 743934

Ion Ratio Lower Upper

119 100

134 25.4 12.6 37.8

91 24.0 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.51

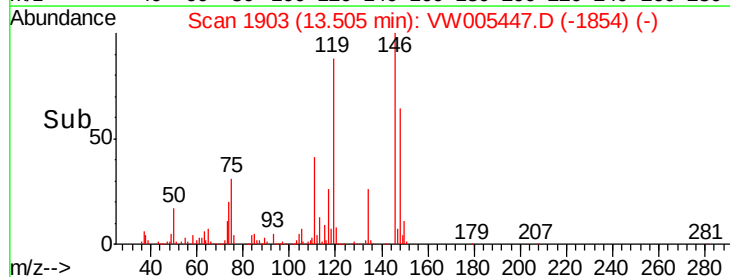
600000

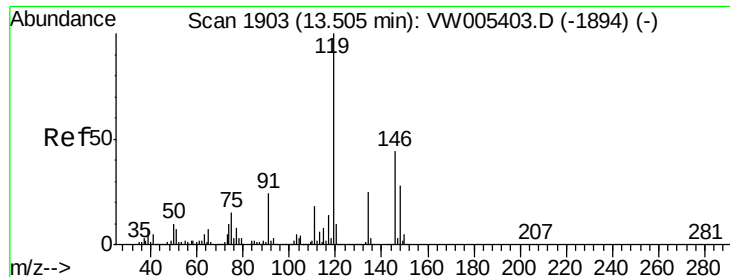
400000

200000

0

Time--> 13.45 13.50 13.55

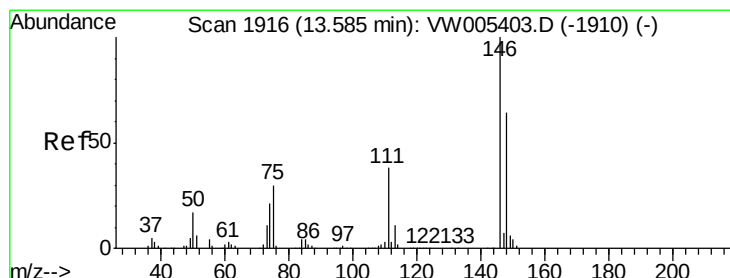
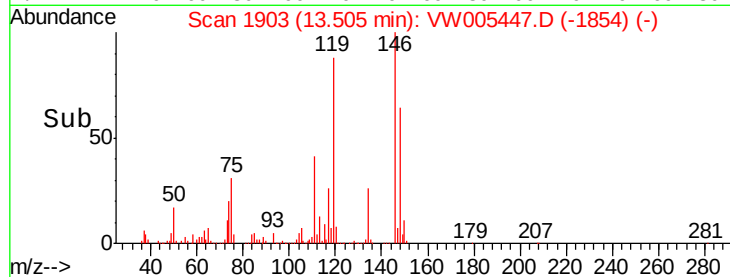
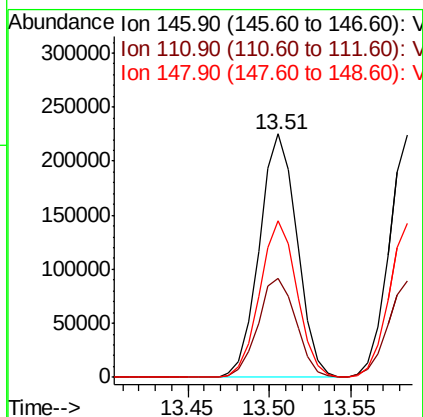
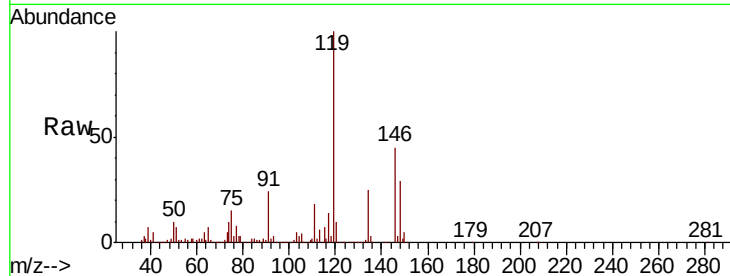




#87
 1,3-Dichlorobenzene
 Concen: 49.150 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

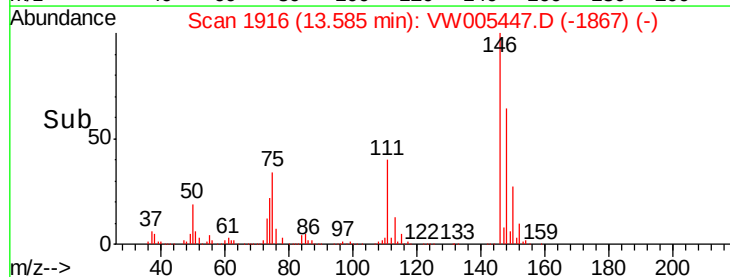
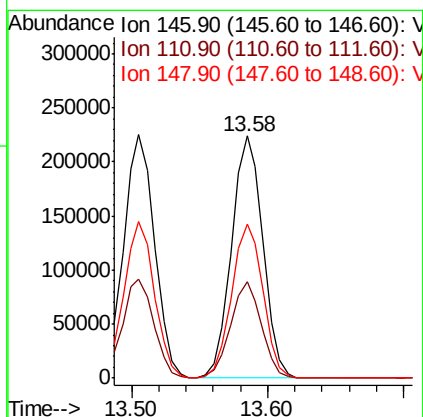
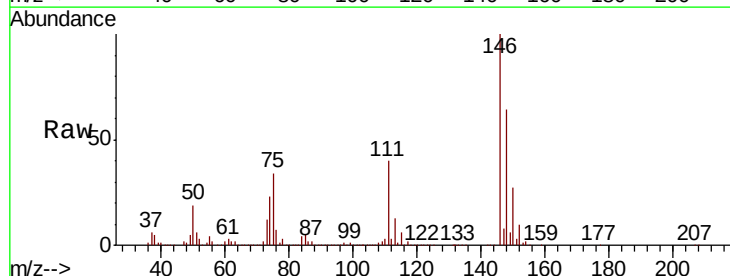
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

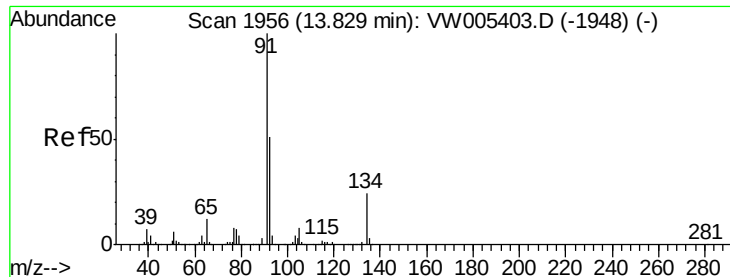
Tgt Ion:146 Resp: 361977
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.4 61.2
 148 63.4 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 49.239 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

Tgt Ion:146 Resp: 357102
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.6 58.8
 148 63.9 31.8 95.4





#89

n-Butylbenzene

Concen: 53.008 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW005447.D

Acq: 17 Sep 2018 21:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

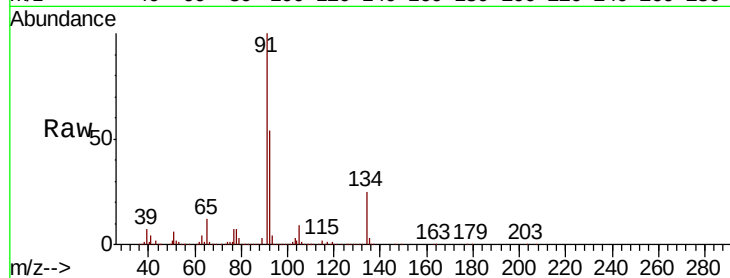
Tgt Ion: 91 Resp: 710002

Ion Ratio Lower Upper

91 100

92 52.9 26.2 78.6

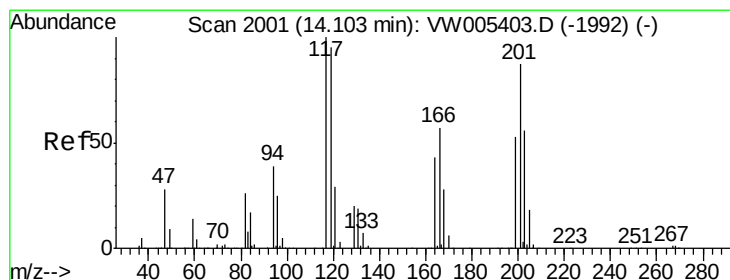
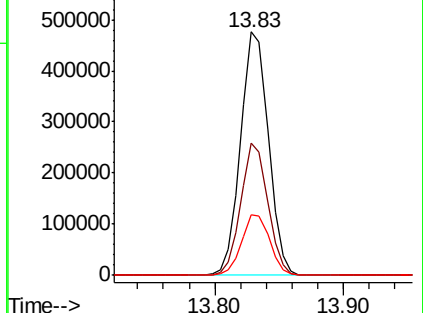
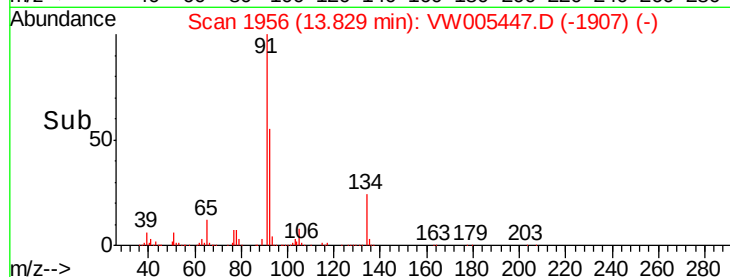
134 25.1 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 49.859 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.00 min

Lab File: VW005447.D

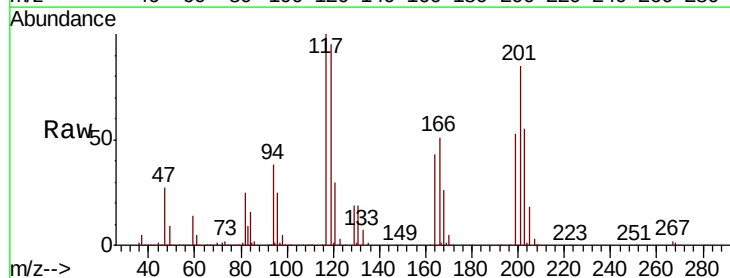
Acq: 17 Sep 2018 21:24

Tgt Ion: 117 Resp: 122882

Ion Ratio Lower Upper

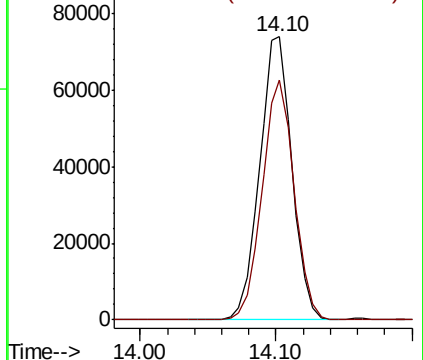
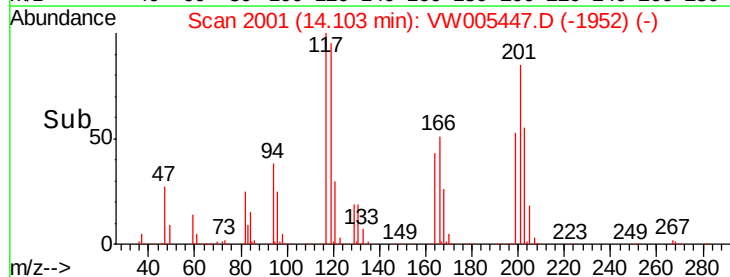
117 100

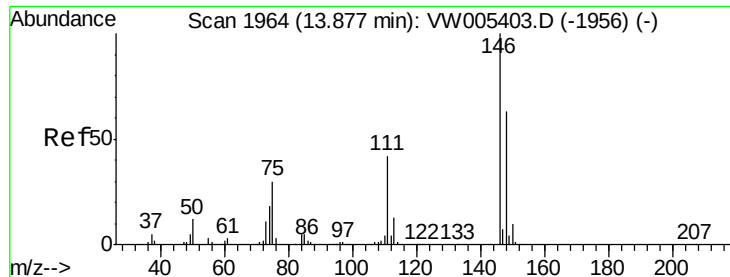
201 83.6 42.5 127.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

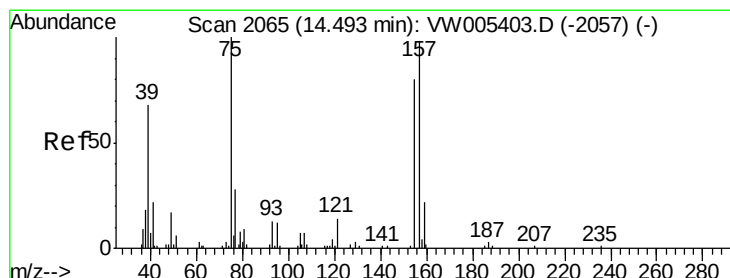
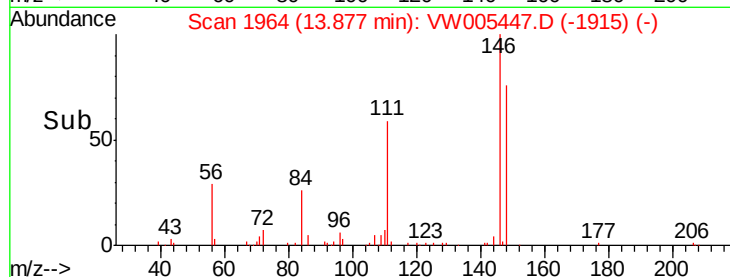
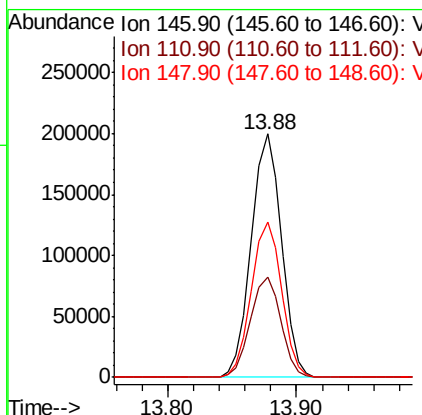
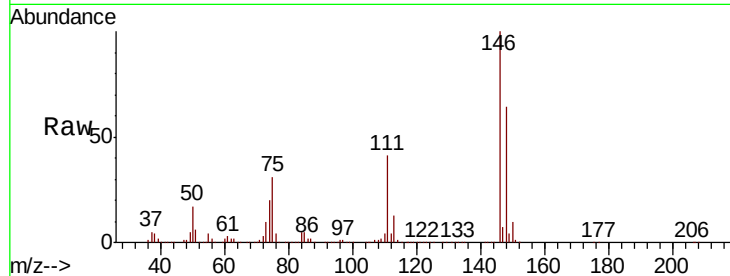




#91
 1,2-Dichlorobenzene
 Concen: 50.264 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

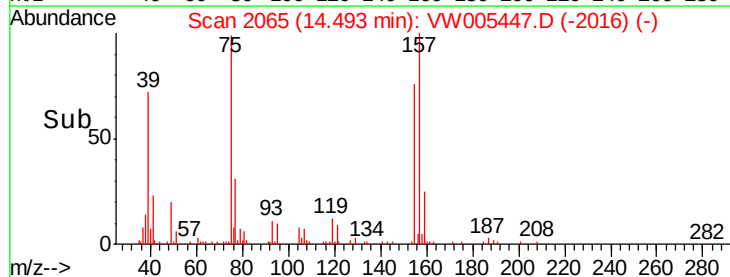
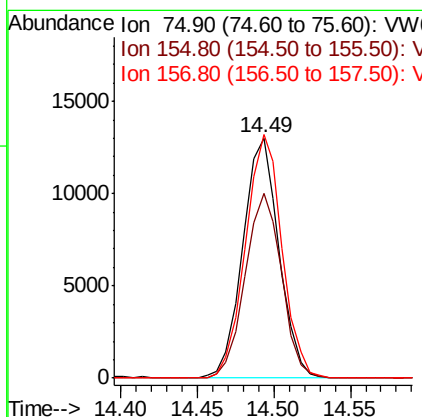
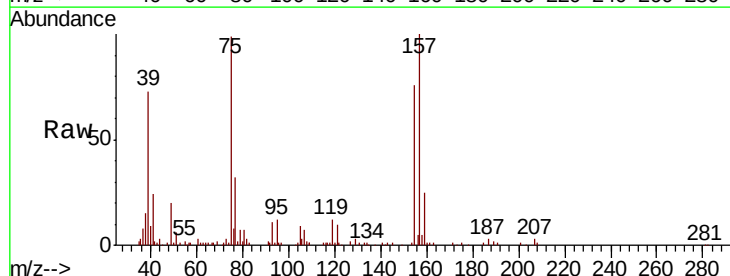
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

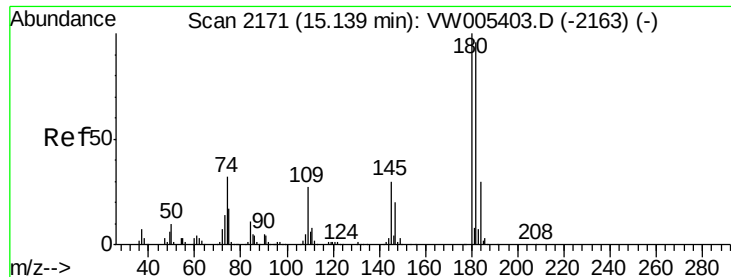
Tgt Ion: 146 Resp: 323509
 Ion Ratio Lower Upper
 146 100
 111 41.5 21.0 63.0
 148 63.9 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.551 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

Tgt Ion: 75 Resp: 21324
 Ion Ratio Lower Upper
 75 100
 155 77.5 39.0 117.0
 157 102.4 49.9 149.6

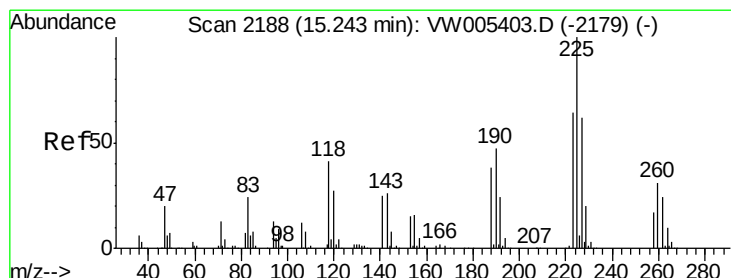
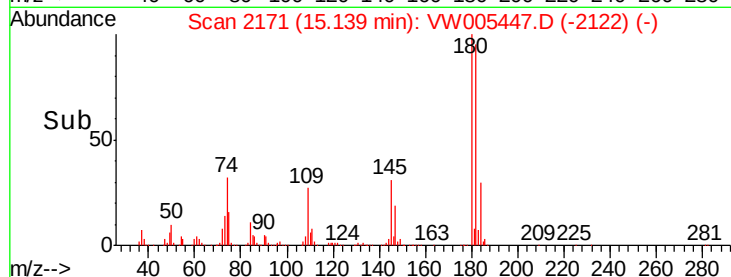
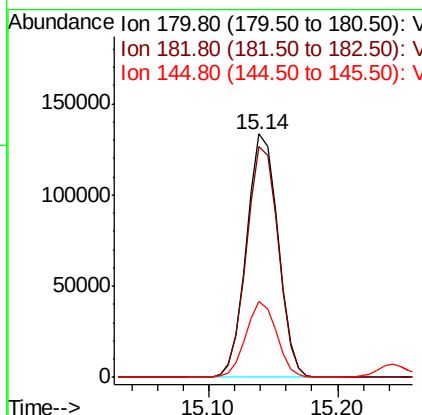
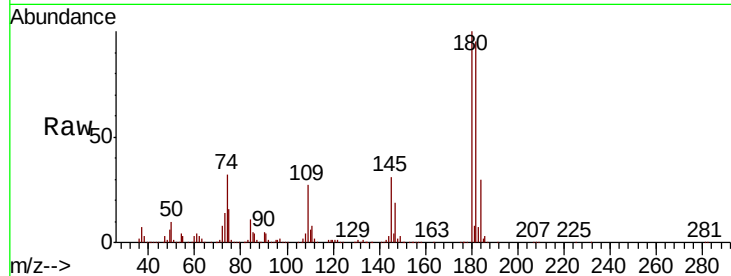




#93
 1,2,4-Trichlorobenzene
 Concen: 52.457 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

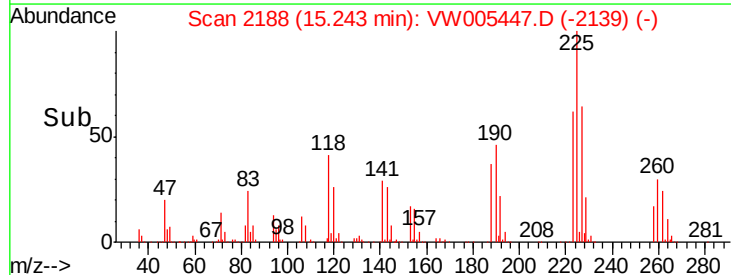
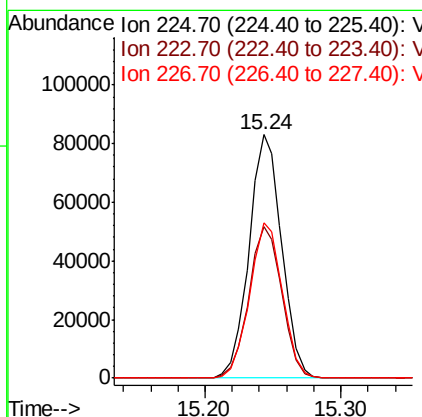
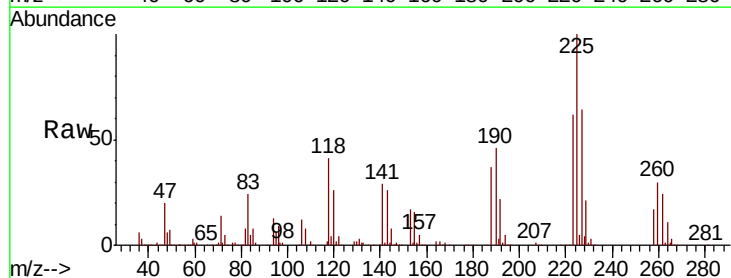
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

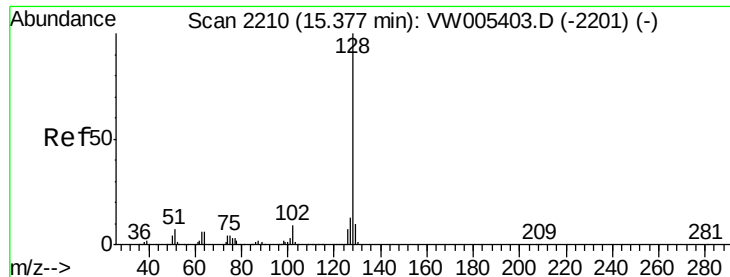
Tgt Ion:180 Resp: 225270
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.3 141.9
 145 30.4 14.8 44.3



#94
 Hexachlorobutadiene
 Concen: 49.639 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW005447.D
 Acq: 17 Sep 2018 21:24

Tgt Ion:225 Resp: 139207
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.2 93.6
 227 64.1 31.6 95.0

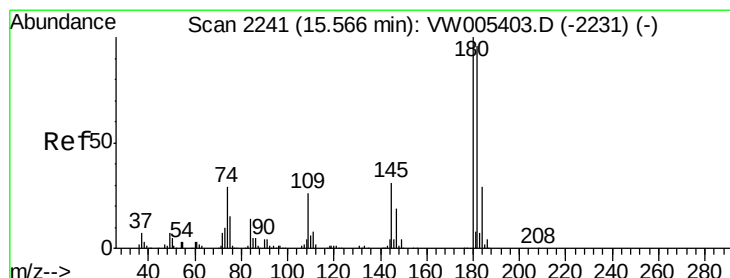
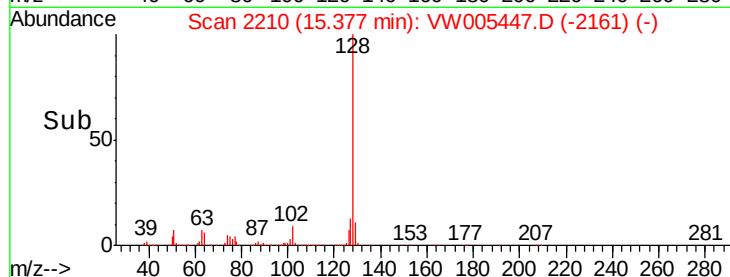
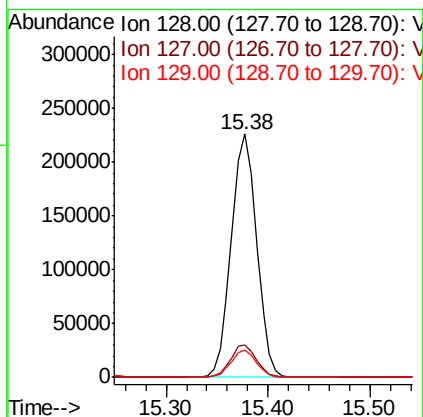
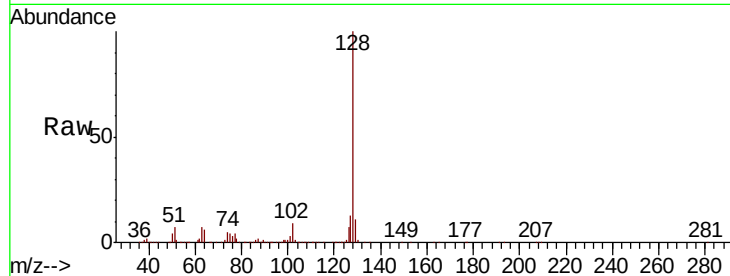




#95
Naphthalene
Concen: 54.445 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005447.D
Acq: 17 Sep 2018 21:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 389609
Ion Ratio Lower Upper
128 100
127 13.6 11.0 16.4
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.919 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005447.D
Acq: 17 Sep 2018 21:24

Tgt Ion:180 Resp: 194589
Ion Ratio Lower Upper
180 100
182 94.6 48.1 144.4
145 32.0 15.9 47.7

