

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081218\
 Data File : VW004566.D
 Acq On : 09 Aug 2018 22:08
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 10 03:50:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	704689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1073772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1031623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	550785	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	370688	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
35) Dibromofluoromethane	7.88	113	361764	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	10.33	98	1437340	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
62) 4-Bromofluorobenzene	12.62	95	523593	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	224629	46.449	ug/l	97
3) Chloromethane	2.22	50	327718	48.642	ug/l	99
4) Vinyl Chloride	2.37	62	464718	49.377	ug/l	99
5) Bromomethane	2.78	94	282639	51.576	ug/l	96
6) Chloroethane	2.93	64	291690	51.868	ug/l	99
7) Trichlorofluoromethane	3.26	101	201476	57.961	ug/l	100
8) Diethyl Ether	3.68	74	204982	46.616	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	380450	49.552	ug/l	100
10) Methyl Iodide	4.26	142	579104	50.273	ug/l	99
11) Tert butyl alcohol	5.20	59	100556	220.158	ug/l	99
12) 1,1-Dichloroethene	4.04	96	378796	49.018	ug/l	96
13) Acrolein	3.89	56	164035	293.116	ug/l	99
14) Allyl chloride	4.67	41	616885	53.131	ug/l	98
15) Acrylonitrile	5.37	53	464441	237.676	ug/l	99
16) Acetone	4.13	43	487058	250.018	ug/l	99
17) Carbon Disulfide	4.38	76	1262262	50.826	ug/l	100
18) Methyl Acetate	4.67	43	218387	44.957	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	513495	48.714	ug/l	96
20) Methylene Chloride	4.91	84	472673	49.611	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	418730	50.280	ug/l	99
22) Diisopropyl ether	6.31	45	1268668	53.171	ug/l	99
23) Vinyl Acetate	6.26	43	3546803	247.339	ug/l	99
24) 1,1-Dichloroethane	6.21	63	760643	49.805	ug/l	99
25) 2-Butanone	7.18	43	716656	228.695	ug/l	100
26) 2,2-Dichloropropane	7.17	77	391291	48.816	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	456217	50.917	ug/l	99
28) Bromochloromethane	7.51	49	334261	50.304	ug/l	100
29) Tetrahydrofuran	7.54	42	372233	229.769	ug/l	100
30) Chloroform	7.68	83	743334	49.554	ug/l	98
31) Cyclohexane	7.96	56	701383	47.999	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	575942	51.114	ug/l	99
36) 1,1-Dichloropropene	8.09	75	595124	51.475	ug/l	100
37) Ethyl Acetate	7.26	43	250240	46.214	ug/l	98
38) Carbon Tetrachloride	8.07	117	537067	51.622	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	744293	52.521	ug/l	99
40) Benzene	8.32	78	1741647	51.299	ug/l	100
41) Methacrylonitrile	7.49	41	143777	47.540	ug/l	99
42) 1,2-Dichloroethane	8.40	62	460062	48.978	ug/l	100
43) Isopropyl Acetate	8.43	43	443696	47.009	ug/l	100
44) Trichloroethene	9.09	130	417209	50.009	ug/l	95
45) 1,2-Dichloropropane	9.37	63	433714	51.010	ug/l	98
46) Dibromomethane	9.46	93	210933	48.733	ug/l	100
47) Bromodichloromethane	9.65	83	511878	50.101	ug/l	99
48) Methyl methacrylate	9.44	41	218611	49.556	ug/l	99
49) 1,4-Dioxane	9.46	88	66359	1004.907	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	1590607	242.104	ug/l	99
52) Toluene	10.39	92	1053576	52.625	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	517271	50.422	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	615451	51.478	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	304040	49.009	ug/l	99
56) Ethyl methacrylate	10.65	69	381031	51.300	ug/l	99
57) 1,3-Dichloropropane	10.94	76	537084	50.229	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	925496	235.180	ug/l	99
59) 2-Hexanone	10.98	43	1101003	247.169	ug/l	99
60) Dibromochloromethane	11.13	129	339166	50.265	ug/l	100
61) 1,2-Dibromoethane	11.24	107	288677	49.529	ug/l	99
64) Tetrachloroethene	10.87	164	365459	50.783	ug/l	97
65) Chlorobenzene	11.66	112	1156014	50.847	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	390447	50.443	ug/l	99
67) Ethyl Benzene	11.74	91	2043387	53.019	ug/l	98
68) m/p-Xylenes	11.85	106	1584053	106.351	ug/l	99
69) o-Xylene	12.17	106	742906	53.783	ug/l	100
70) Styrene	12.19	104	1270308	54.430	ug/l	100
71) Bromoform	12.35	173	207657	48.803	ug/l	99
73) Isopropylbenzene	12.47	105	2029622	53.274	ug/l	100
74) N-amyl acetate	12.28	43	442795	47.932	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	378668	47.614	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	482491	84.656	ug/l #	100
77) Bromobenzene	12.75	156	473680	51.390	ug/l	99
78) n-propylbenzene	12.81	91	2527648	53.769	ug/l	100
79) 2-Chlorotoluene	12.90	91	1439183	52.903	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	1755077	54.005	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	112255	47.149	ug/l	98
82) 4-Chlorotoluene	12.99	91	1519556	52.631	ug/l	100
83) tert-Butylbenzene	13.21	119	1464463	53.723	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1812059	53.861	ug/l	99
85) sec-Butylbenzene	13.39	105	2185309	53.140	ug/l	99
86) p-Isopropyltoluene	13.51	119	1916175	53.772	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	968832	51.012	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	949947	50.244	ug/l	100
89) n-Butylbenzene	13.83	91	1868245	53.360	ug/l	100
90) Hexachloroethane	14.10	117	334069	50.670	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	866288	50.276	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	59489	45.778	ug/l	98

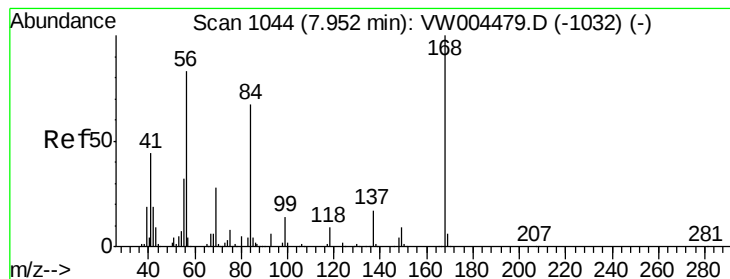
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	609927	51.128	ug/l	100
94) Hexachlorobutadiene	15.24	225	354736	51.067	ug/l	98
95) Naphthalene	15.38	128	1135653	46.354	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	551273	51.423	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampleId :

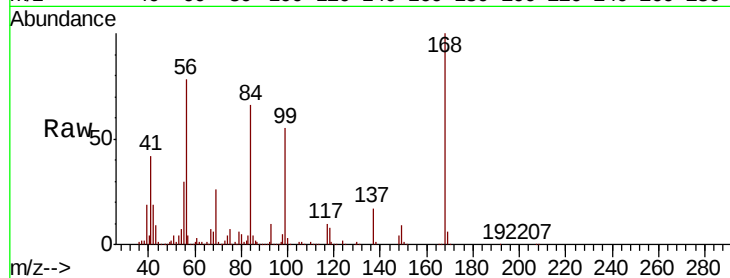
VSTDCCC050

Tgt Ion:168 Resp: 704689

Ion Ratio Lower Upper

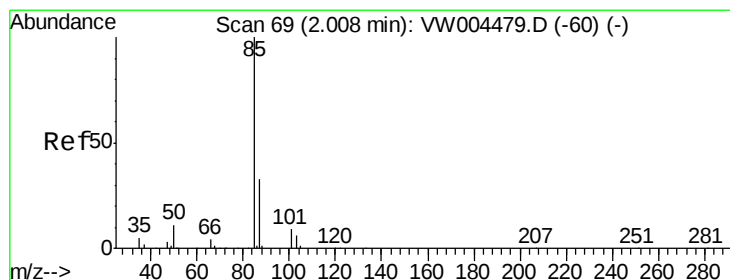
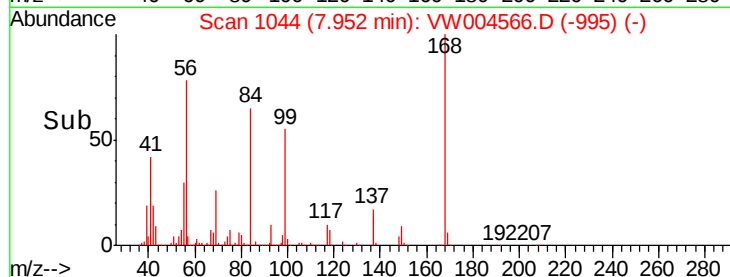
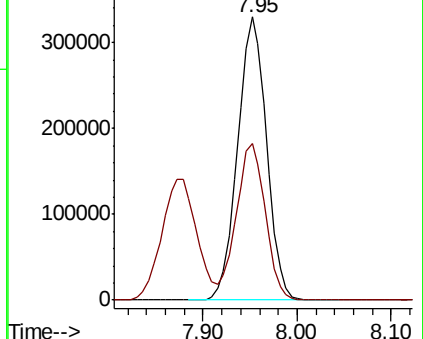
168 100

99 55.2 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 46.449 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004566.D

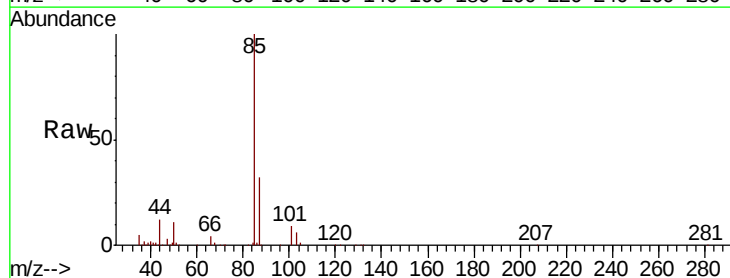
Acq: 09 Aug 2018 22:08

Tgt Ion: 85 Resp: 224629

Ion Ratio Lower Upper

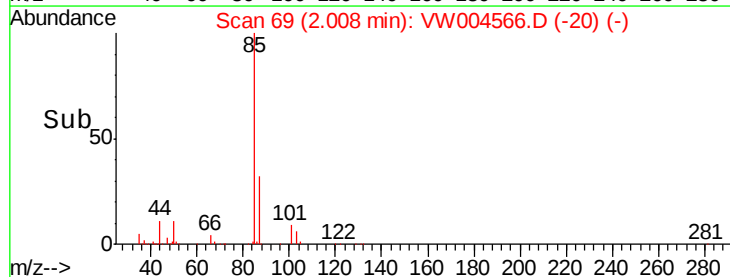
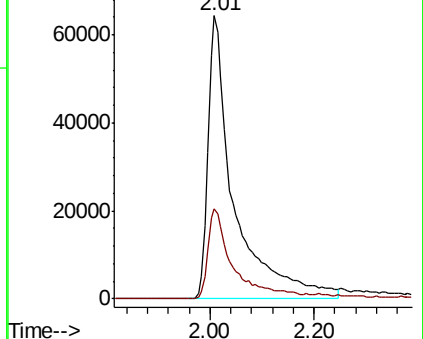
85 100

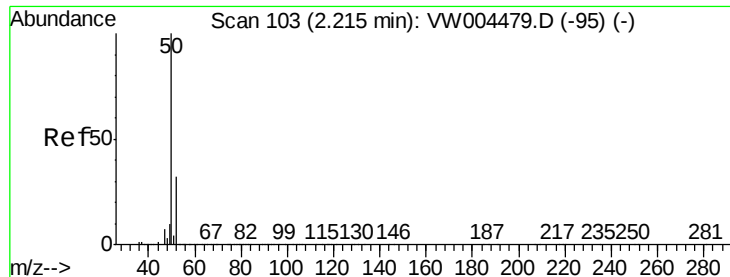
87 31.7 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 48.642 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampleId :

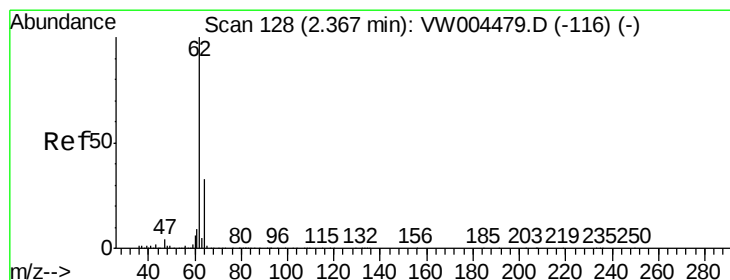
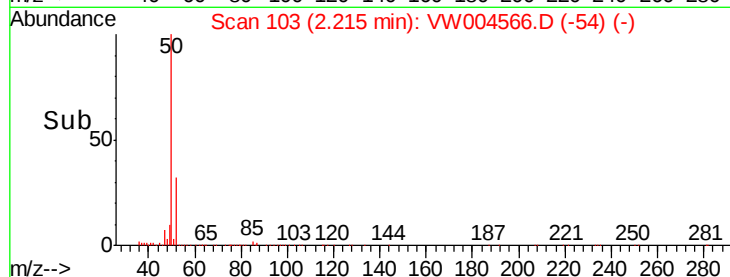
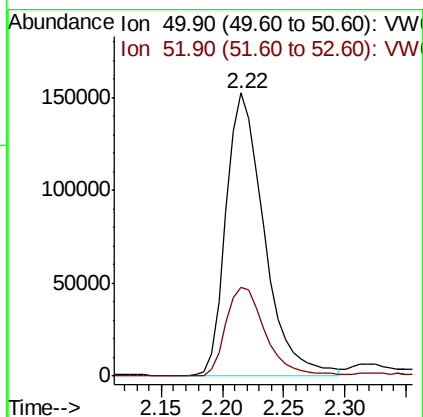
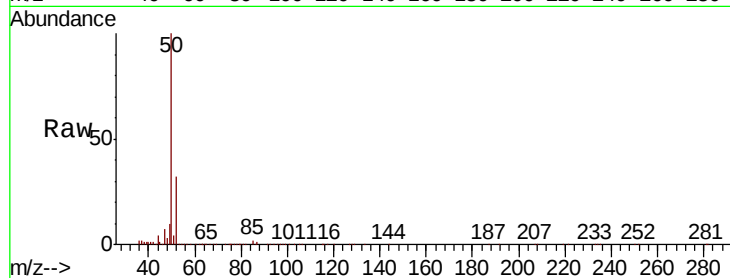
VSTDCCC050

Tgt Ion: 50 Resp: 327718

Ion Ratio Lower Upper

50 100

52 31.6 25.8 38.8



#4

Vinyl Chloride

Concen: 49.377 ug/l

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004566.D

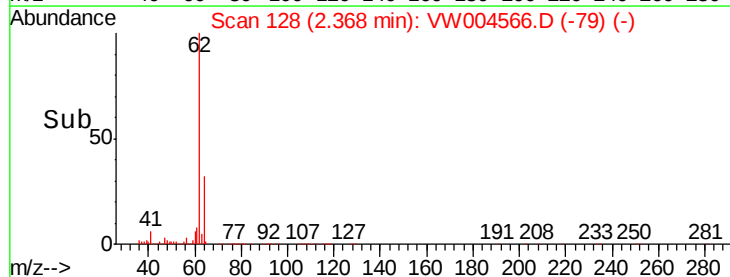
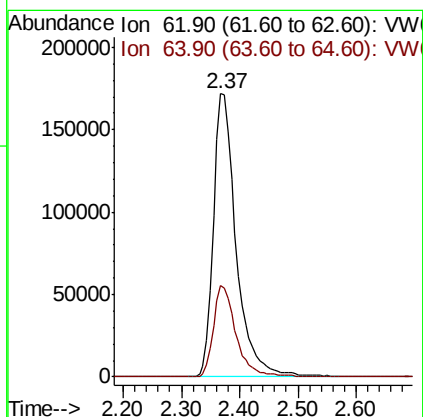
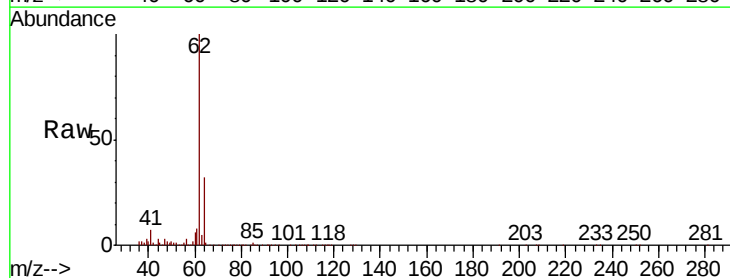
Acq: 09 Aug 2018 22:08

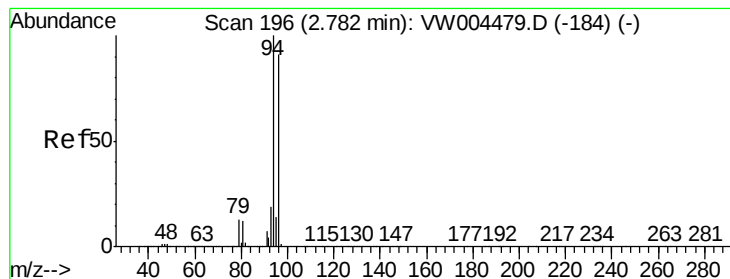
Tgt Ion: 62 Resp: 464718

Ion Ratio Lower Upper

62 100

64 32.3 26.2 39.2





#5

Bromomethane

Concen: 51.576 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampleId :

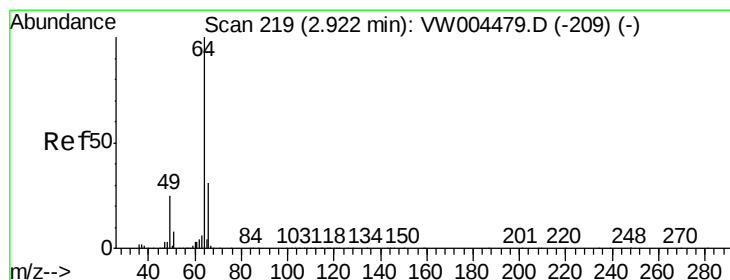
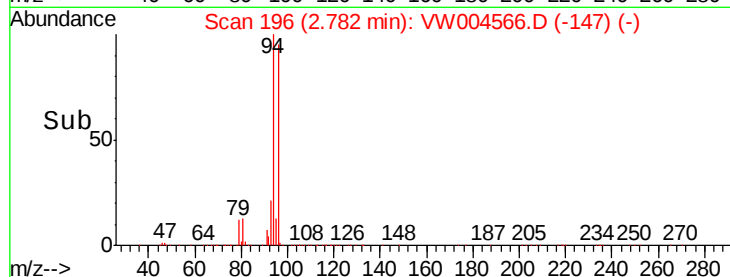
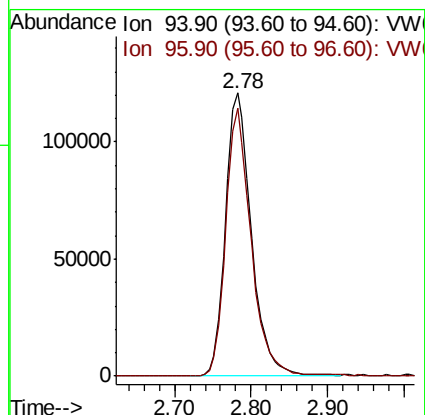
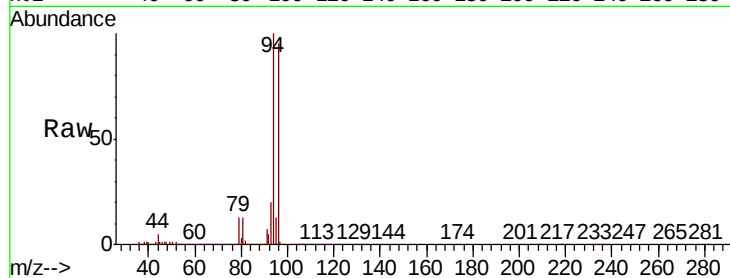
VSTDCCC050

Tgt Ion: 94 Resp: 282639

Ion Ratio Lower Upper

94 100

96 94.6 72.9 109.3



#6

Chloroethane

Concen: 51.868 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW004566.D

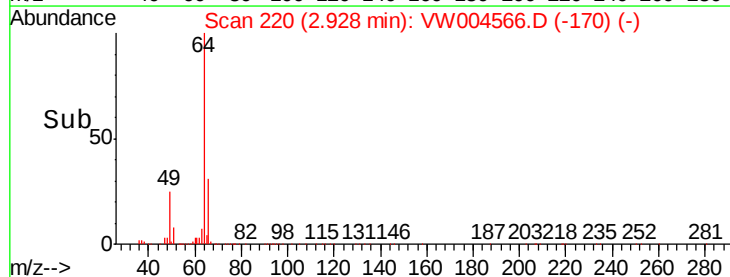
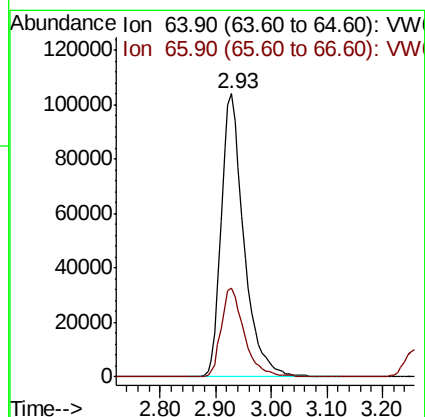
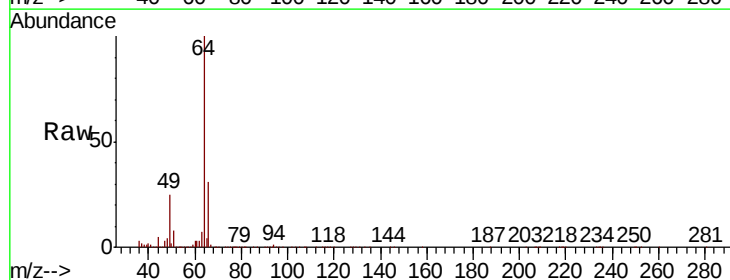
Acq: 09 Aug 2018 22:08

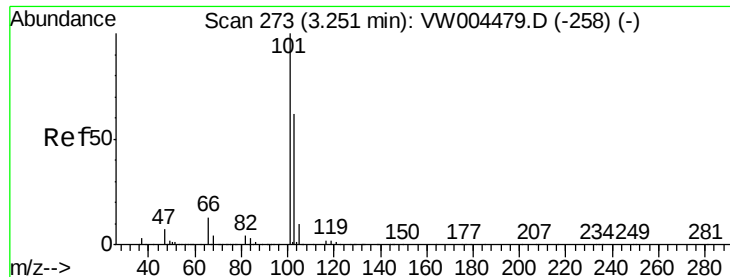
Tgt Ion: 64 Resp: 291690

Ion Ratio Lower Upper

64 100

66 31.3 24.6 36.8



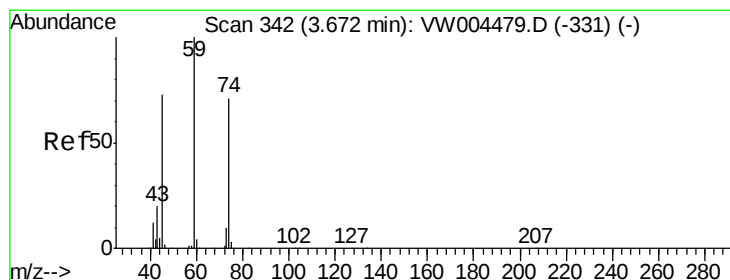
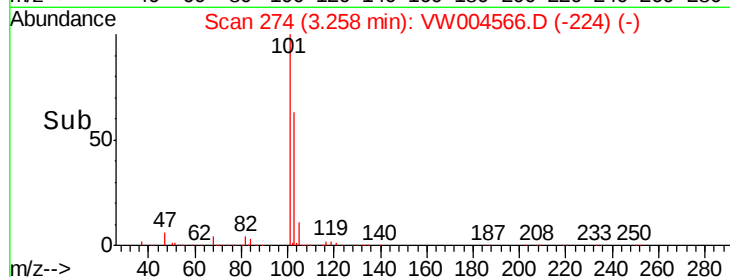
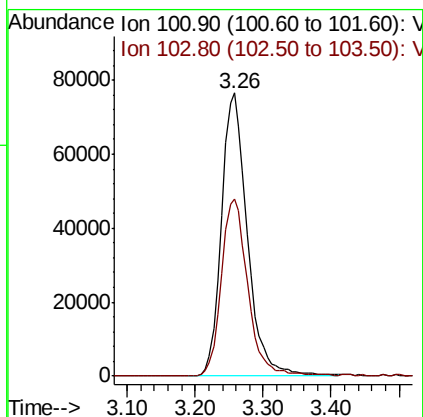
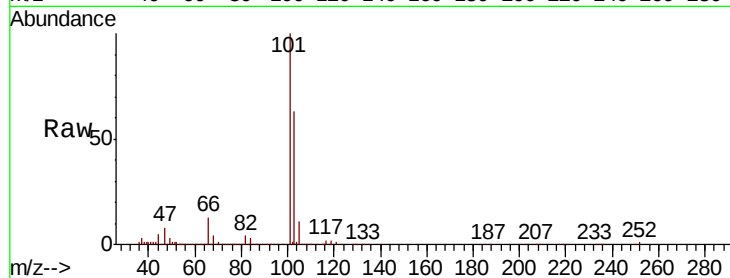


#7

Trichlorofluoromethane
 Concen: 57.961 ug/l
 RT: 3.26 min Scan# 274
 Delta R.T. 0.01 min
 Lab File: VW004566.D
 Acq: 09 Aug 2018 22:08

Instrument :
 MSVOA_W
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 VSTDCCC050

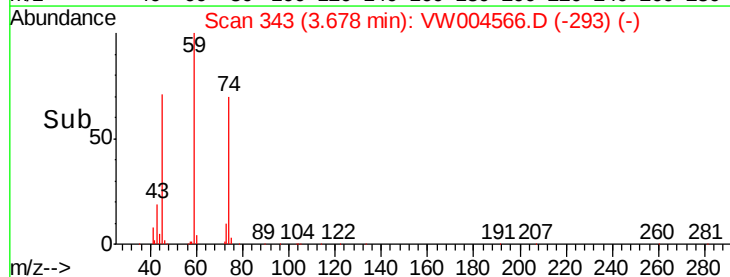
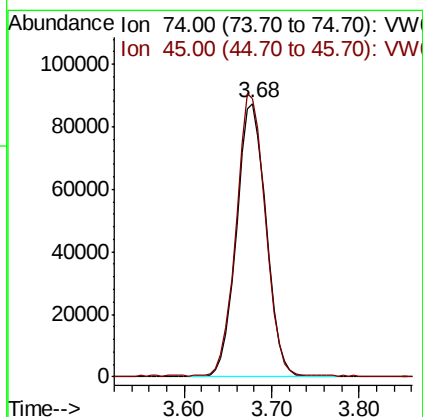
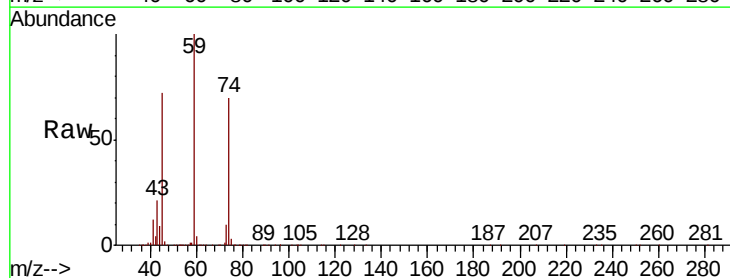
Tgt Ion: 101 Resp: 201476
 Ion Ratio Lower Upper
 101 100
 103 62.4 49.8 74.8

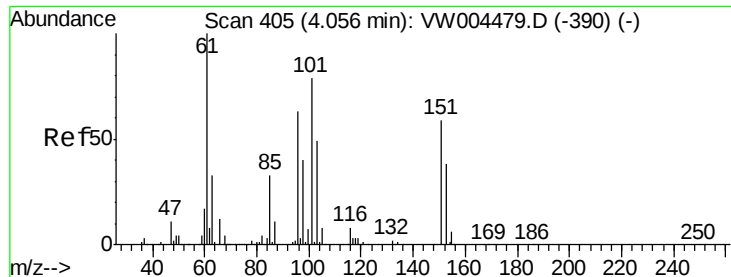


#8

Diethyl Ether
 Concen: 46.616 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW004566.D
 Acq: 09 Aug 2018 22:08

Tgt Ion: 74 Resp: 204982
 Ion Ratio Lower Upper
 74 100
 45 102.0 51.2 153.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.552 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

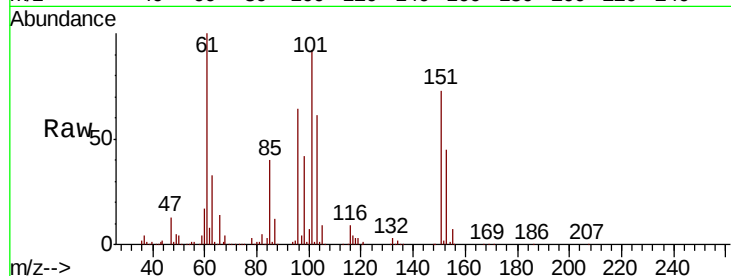
Tgt Ion:101 Resp: 380450

Ion Ratio Lower Upper

101 100

85 43.4 34.6 51.8

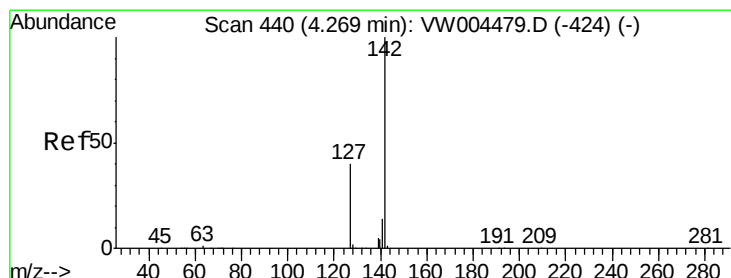
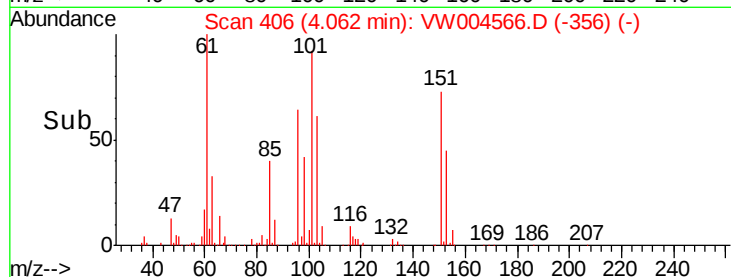
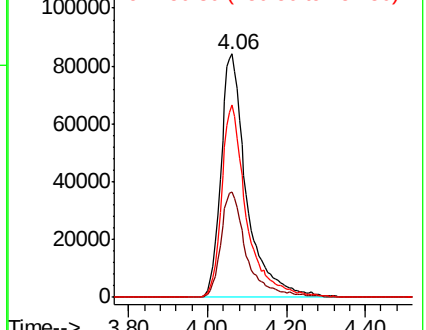
151 77.0 61.3 91.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.273 ug/l

RT: 4.26 min Scan# 439

Delta R.T. -0.01 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

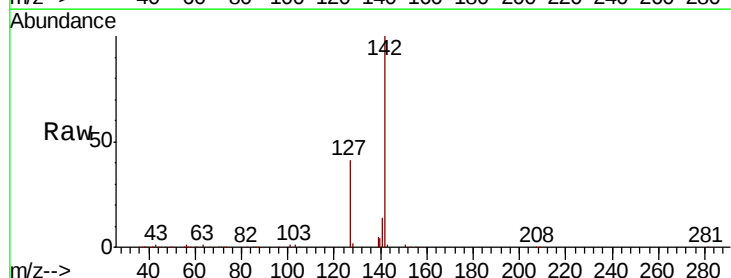
Tgt Ion:142 Resp: 579104

Ion Ratio Lower Upper

142 100

127 41.5 32.7 49.1

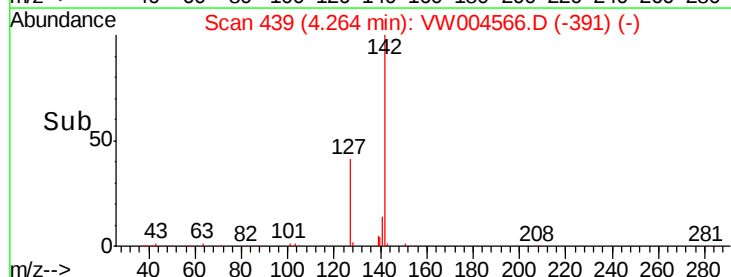
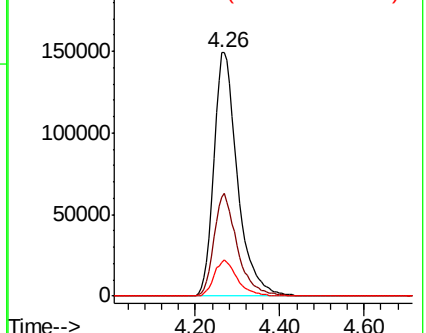
141 14.6 11.5 17.3

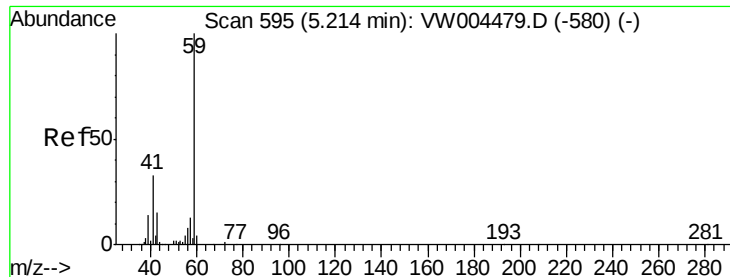


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

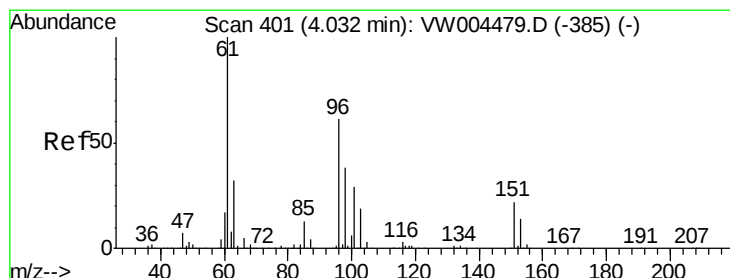
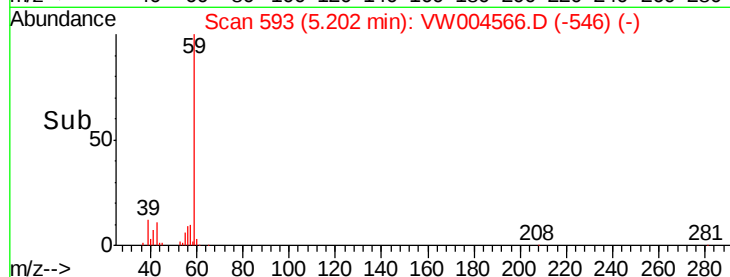
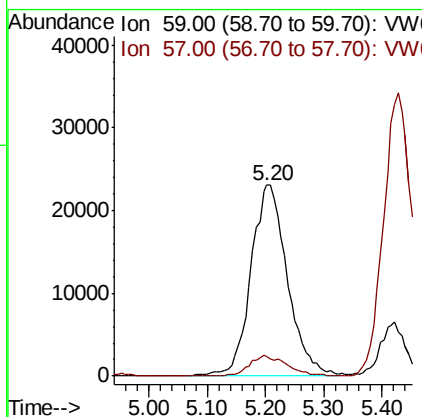
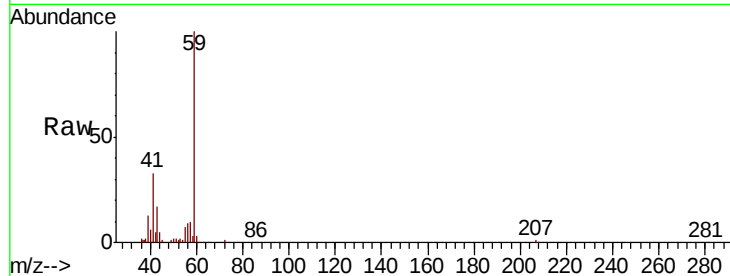




#11
Tert butyl alcohol
Concen: 220.158 ug/l
RT: 5.20 min Scan# 593
Delta R.T. -0.01 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

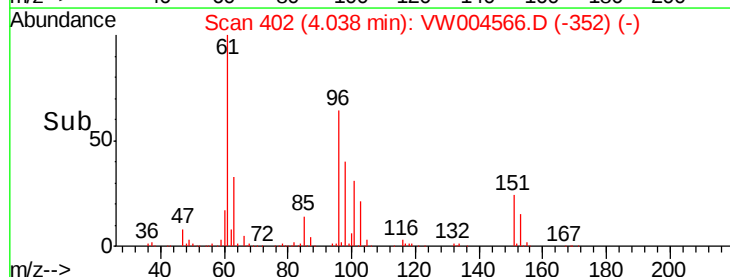
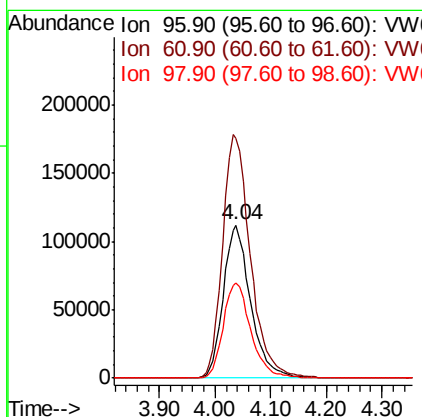
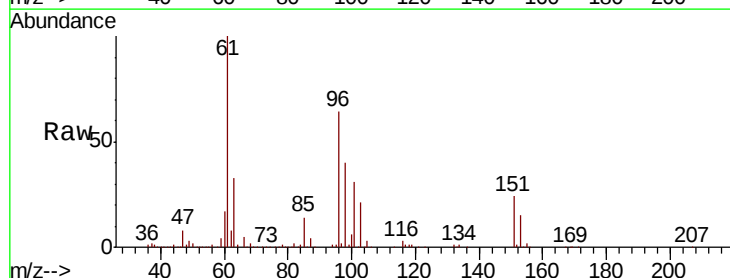
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

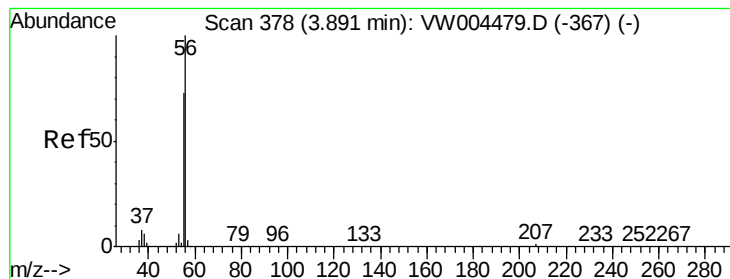
Tgt Ion: 59 Resp: 100556
Ion Ratio Lower Upper
59 100
57 10.9 9.1 13.7



#12
1,1-Dichloroethene
Concen: 49.018 ug/l
RT: 4.04 min Scan# 402
Delta R.T. 0.01 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

Tgt Ion: 96 Resp: 378796
Ion Ratio Lower Upper
96 100
61 157.0 130.6 195.8
98 62.5 49.6 74.4





#13

Acrolein

Concen: 293.116 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampleId :

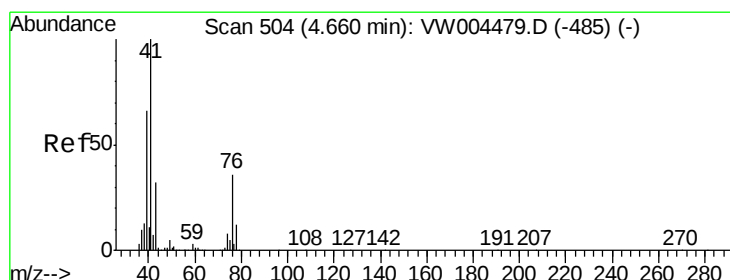
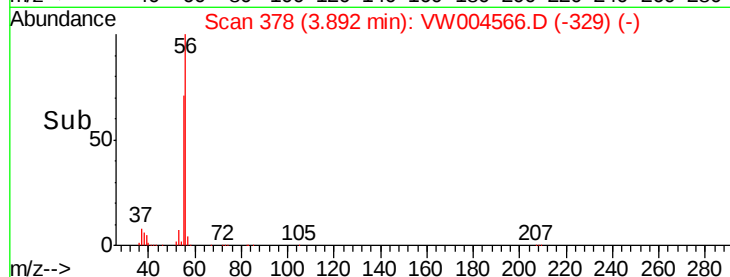
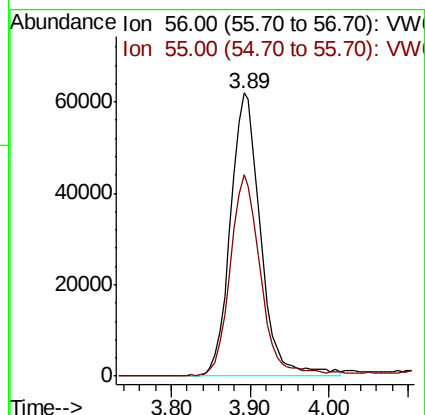
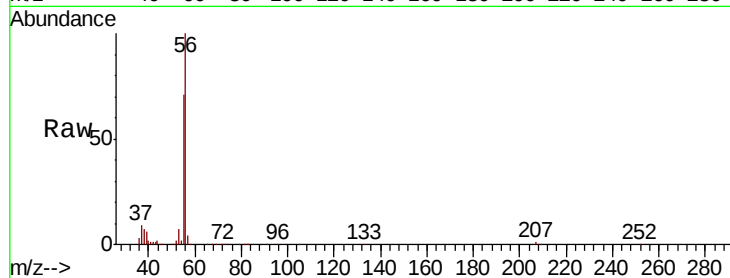
VSTDCCC050

Tgt Ion: 56 Resp: 164035

Ion Ratio Lower Upper

56 100

55 71.5 56.7 85.1



#14

Allyl chloride

Concen: 53.131 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.01 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

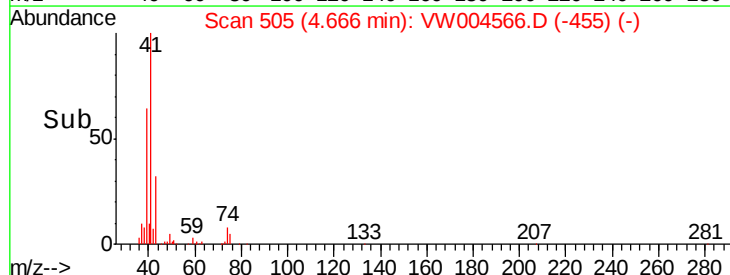
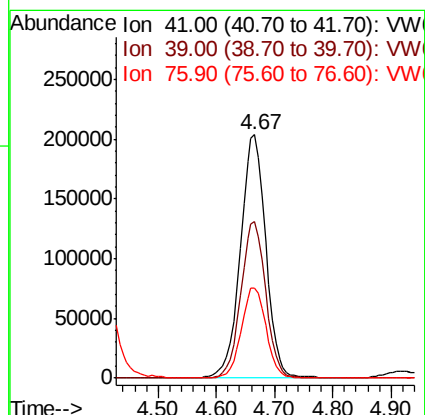
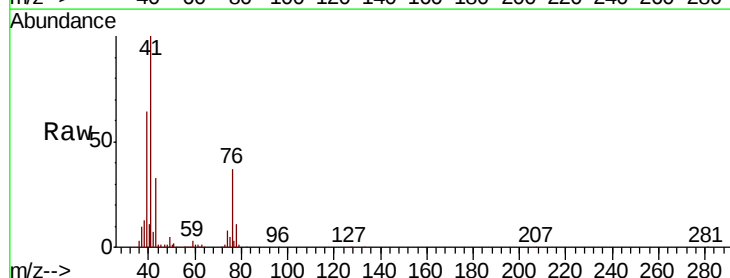
Tgt Ion: 41 Resp: 616885

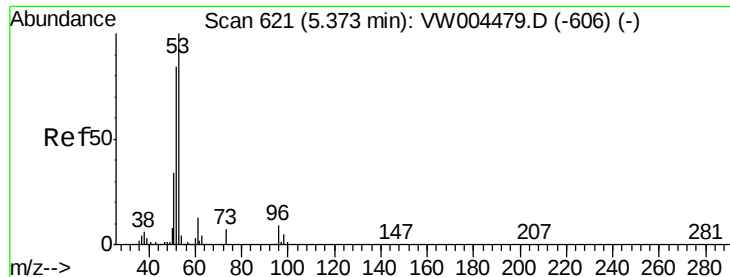
Ion Ratio Lower Upper

41 100

39 62.6 51.9 77.9

76 35.7 29.0 43.6





#15

Acrylonitrile

Concen: 237.676 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

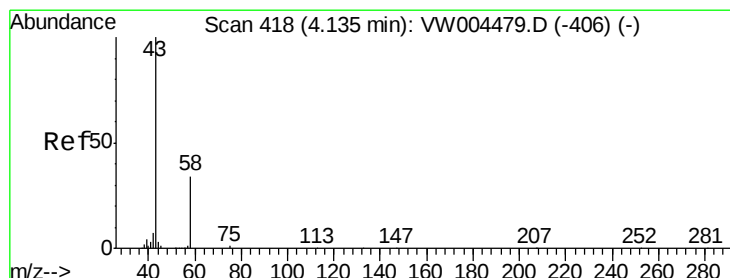
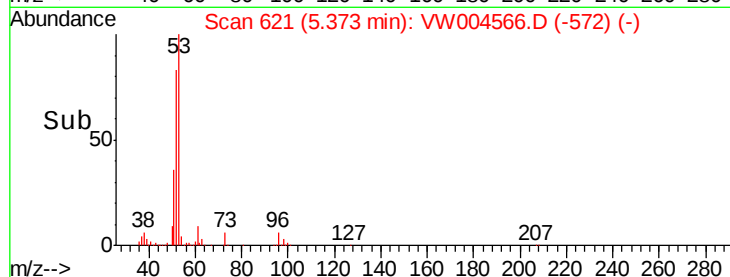
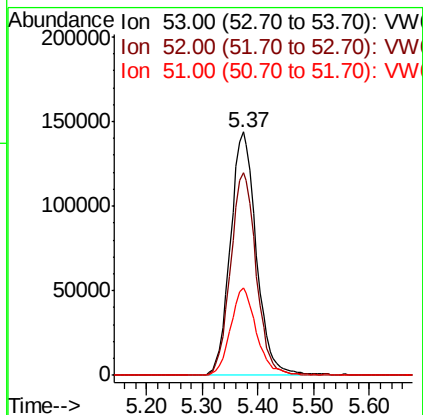
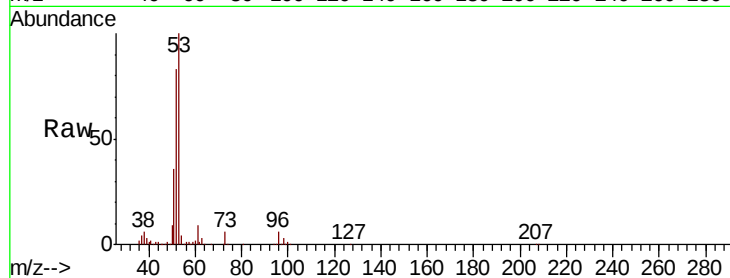
Tgt Ion: 53 Resp: 464441

Ion Ratio Lower Upper

53 100

52 81.7 66.5 99.7

51 35.6 28.4 42.6



#16

Acetone

Concen: 250.018 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

Lab File: VW004566.D

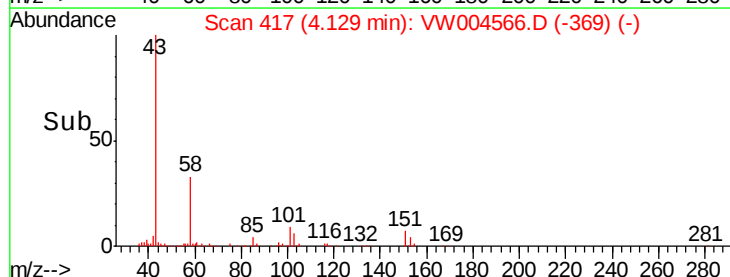
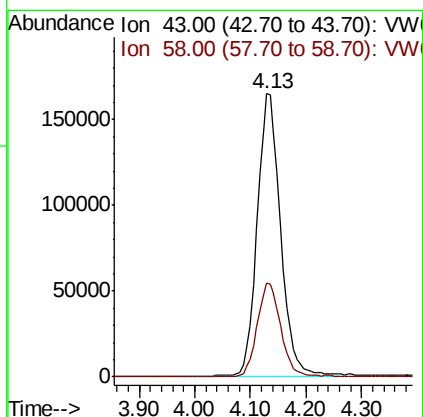
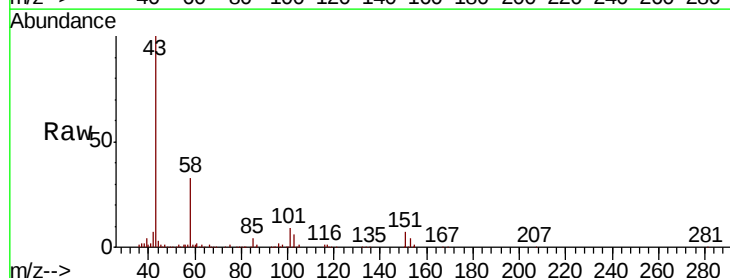
Acq: 09 Aug 2018 22:08

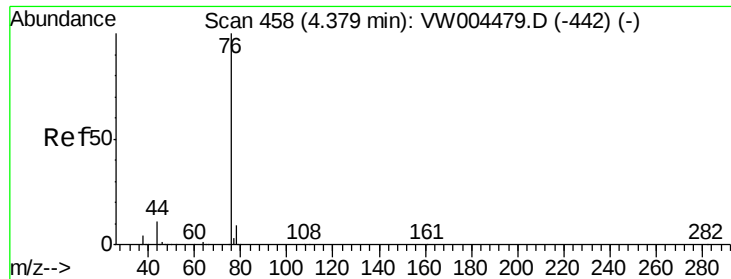
Tgt Ion: 43 Resp: 487058

Ion Ratio Lower Upper

43 100

58 33.0 26.8 40.2

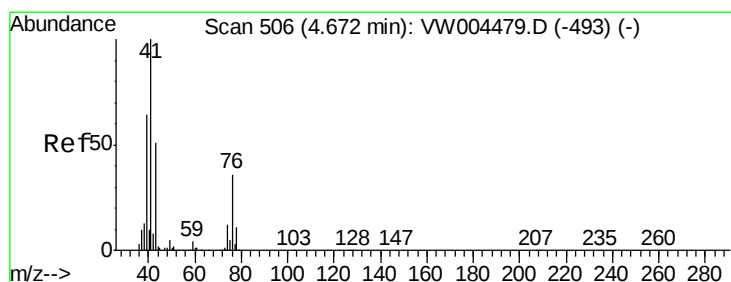
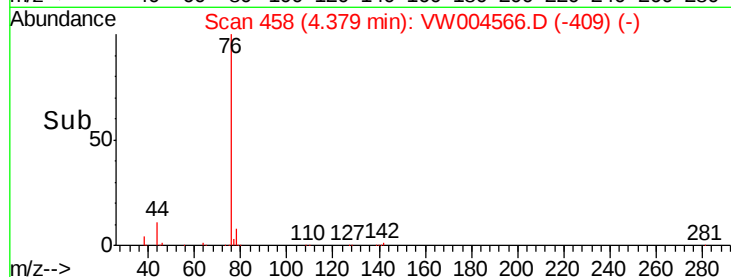
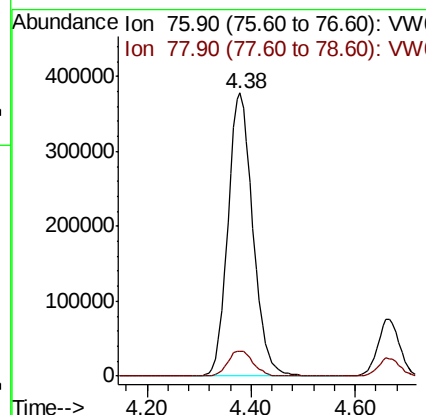
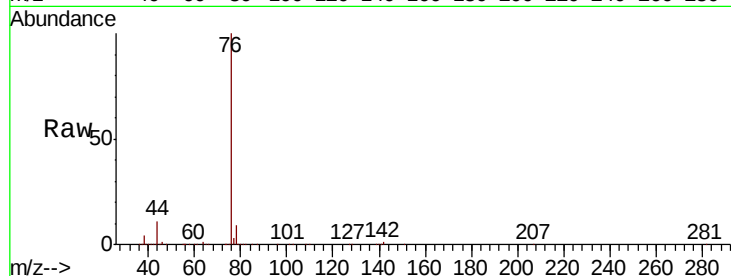




#17
Carbon Disulfide
Concen: 50.826 ug/l
RT: 4.38 min Scan# 458
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

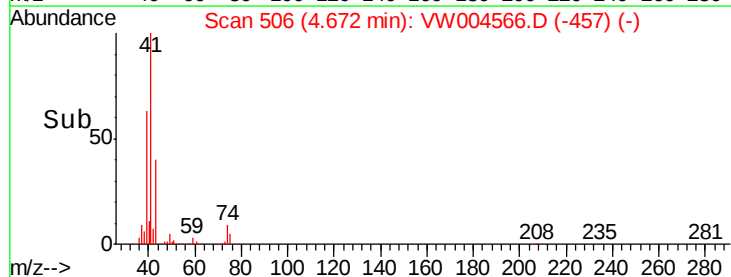
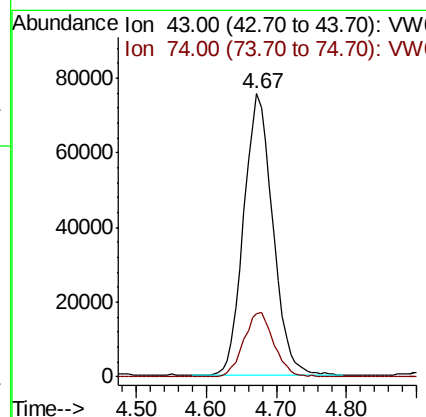
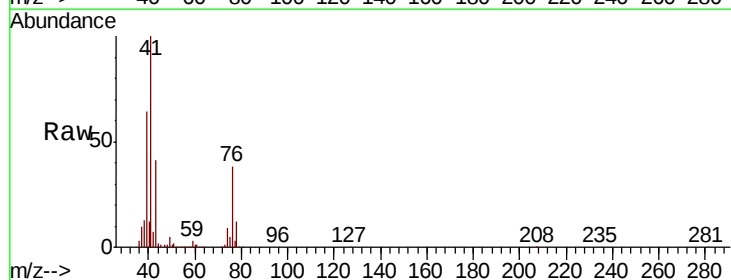
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

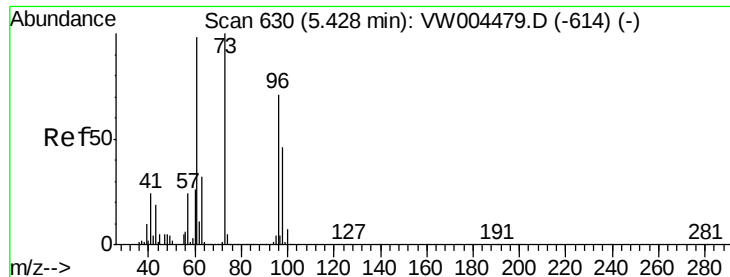
Tgt Ion: 76 Resp: 1262262
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.4



#18
Methyl Acetate
Concen: 44.957 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

Tgt Ion: 43 Resp: 218387
Ion Ratio Lower Upper
43 100
74 23.7 19.1 28.7

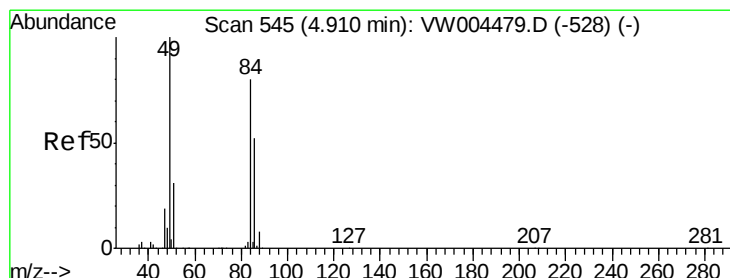
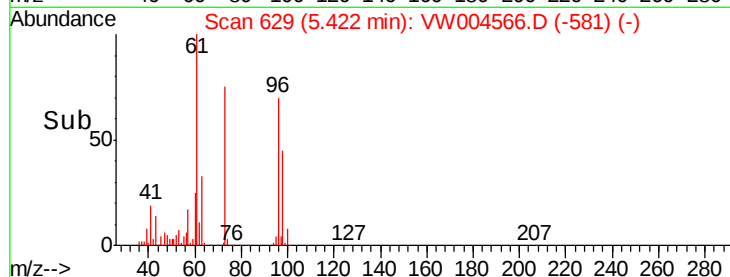
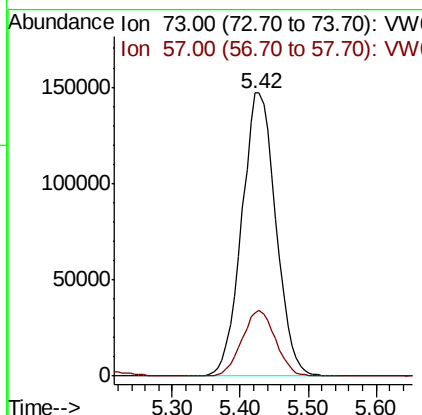
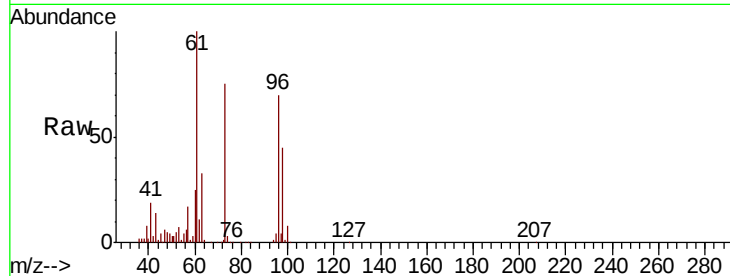




#19
Methyl tert-butyl Ether
Concen: 48.714 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

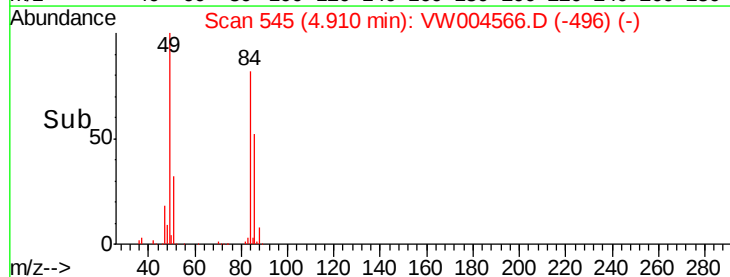
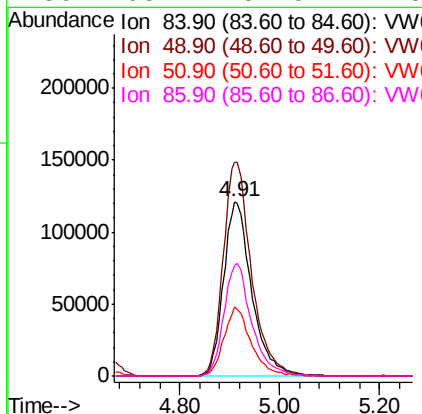
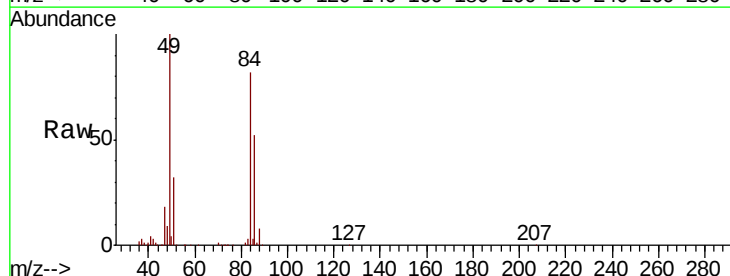
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

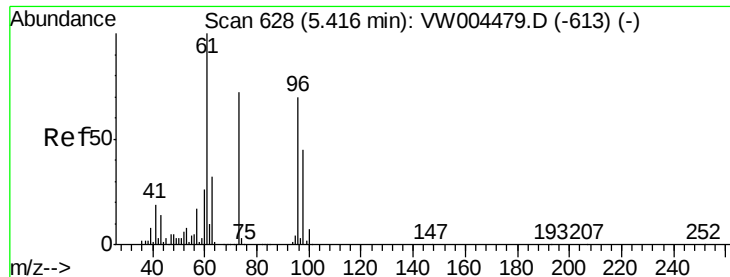
Tgt Ion: 73 Resp: 513495
Ion Ratio Lower Upper
73 100
57 22.3 19.6 29.4



#20
Methylene Chloride
Concen: 49.611 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

Tgt Ion: 84 Resp: 472673
Ion Ratio Lower Upper
84 100
49 122.3 99.6 149.4
51 39.7 31.0 46.4
86 63.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 50.280 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

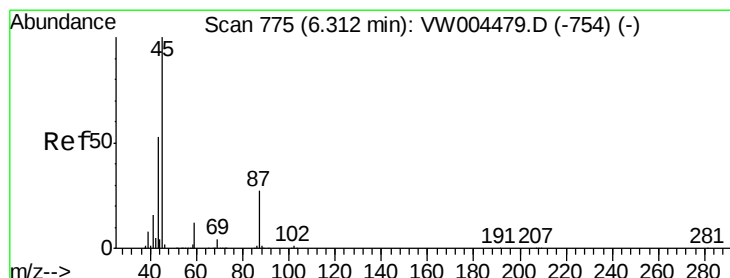
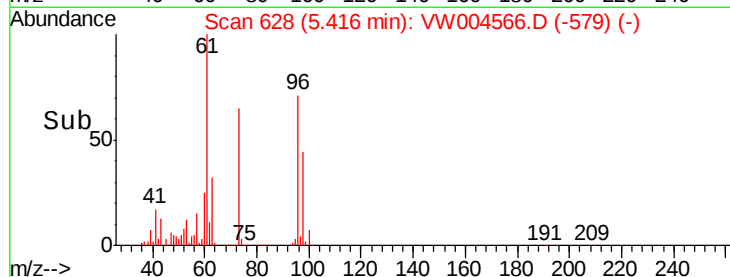
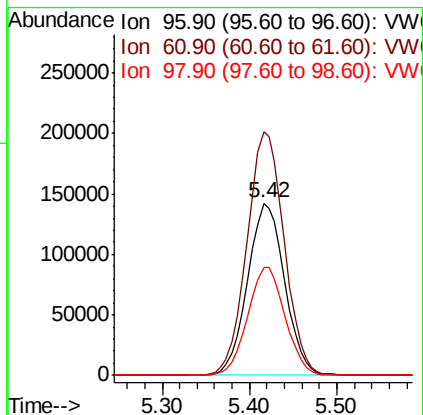
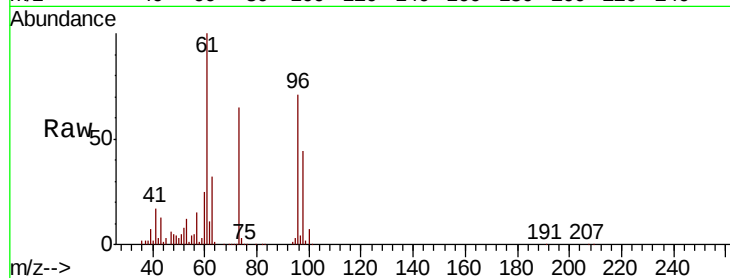
Tgt Ion: 96 Resp: 418730

Ion Ratio Lower Upper

96 100

61 141.6 114.1 171.1

98 63.0 51.4 77.2



#22

Diisopropyl ether

Concen: 53.171 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Tgt Ion: 45 Resp: 1268668

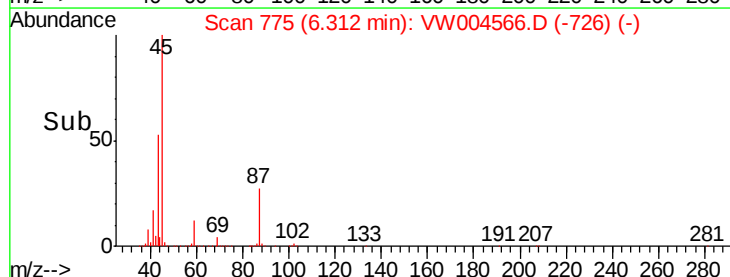
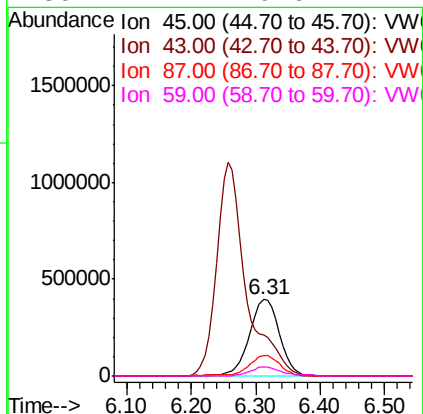
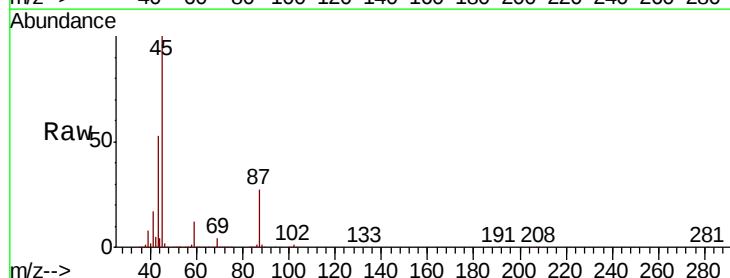
Ion Ratio Lower Upper

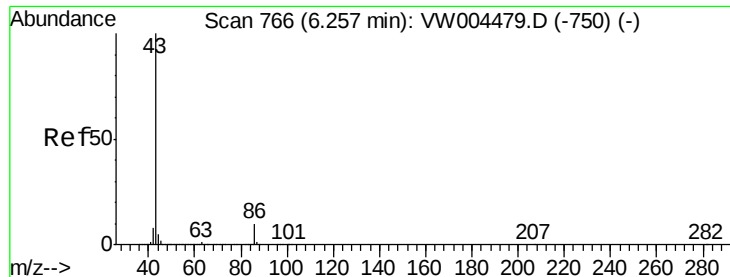
45 100

43 52.3 42.4 63.6

87 26.4 21.6 32.4

59 11.4 9.6 14.4

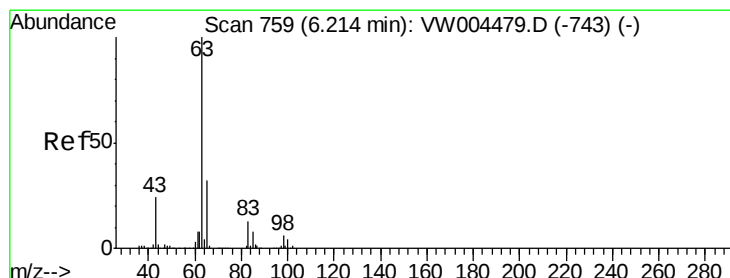
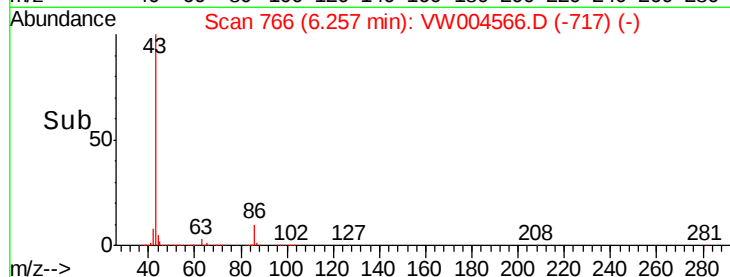
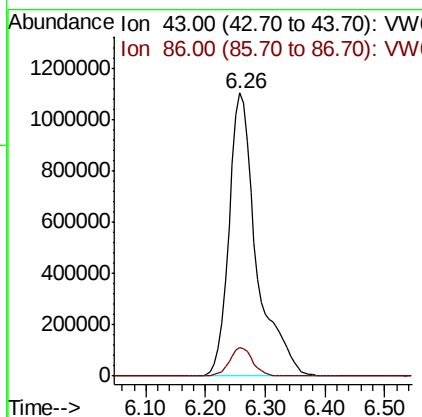
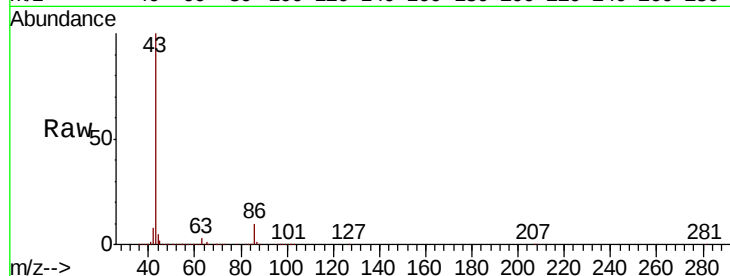




#23
 Vinyl Acetate
 Concen: 247.339 ug/l
 RT: 6.26 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VW004566.D
 Acq: 09 Aug 2018 22:08

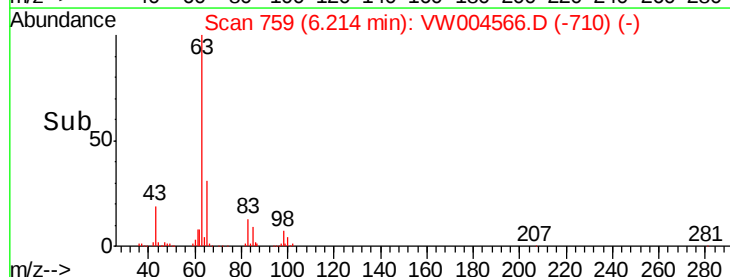
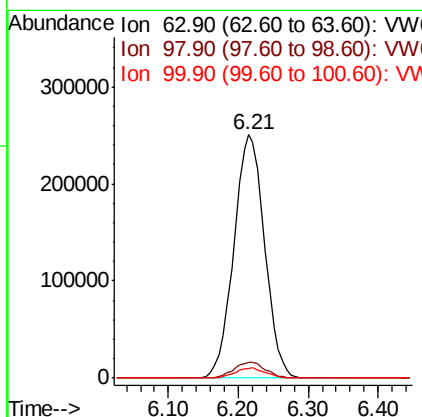
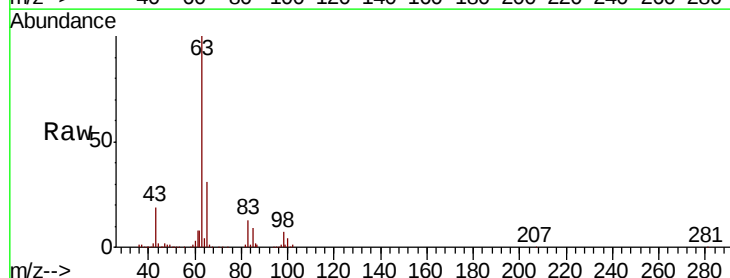
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

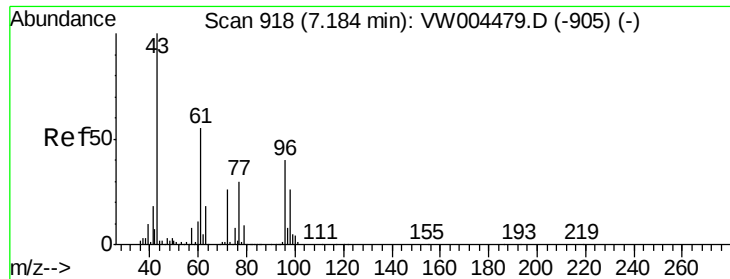
Tgt Ion: 43 Resp: 3546803
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.9 11.9



#24
 1,1-Dichloroethane
 Concen: 49.805 ug/l
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW004566.D
 Acq: 09 Aug 2018 22:08

Tgt Ion: 63 Resp: 760643
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.1 9.3
 100 4.0 2.1 6.5





#25

2-Butanone

Concen: 228.695 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampleId :

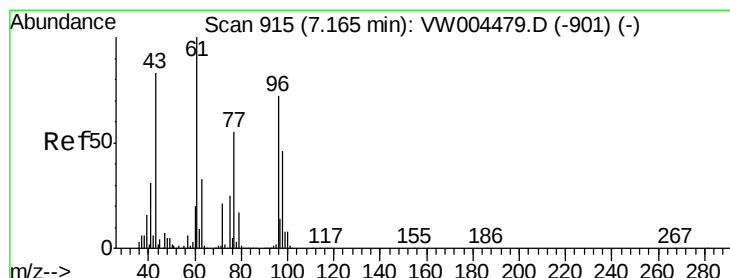
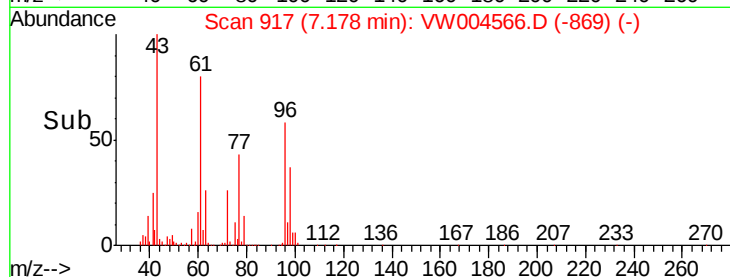
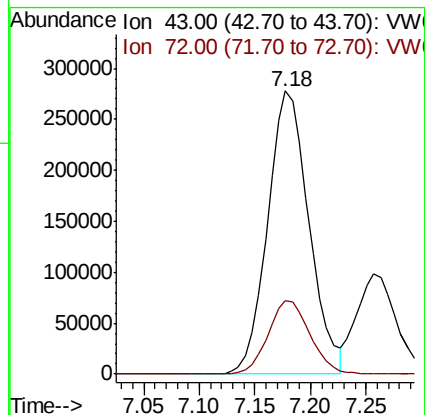
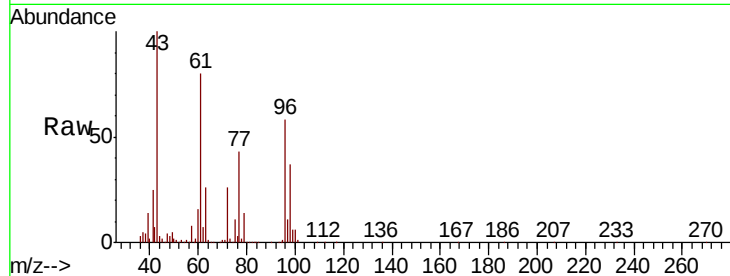
VSTDCCC050

Tgt Ion: 43 Resp: 716656

Ion Ratio Lower Upper

43 100

72 26.1 21.0 31.6



#26

2,2-Dichloropropane

Concen: 48.816 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW004566.D

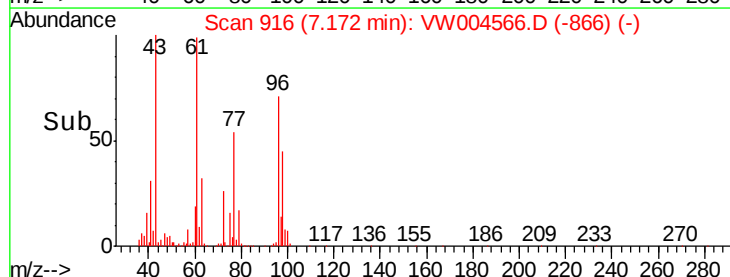
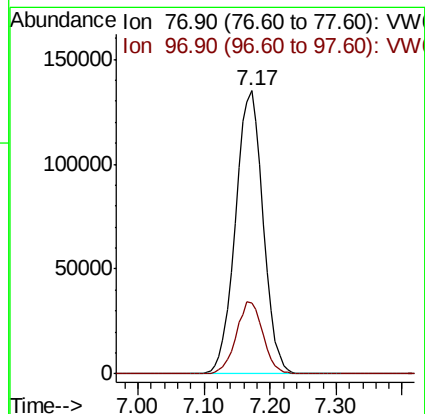
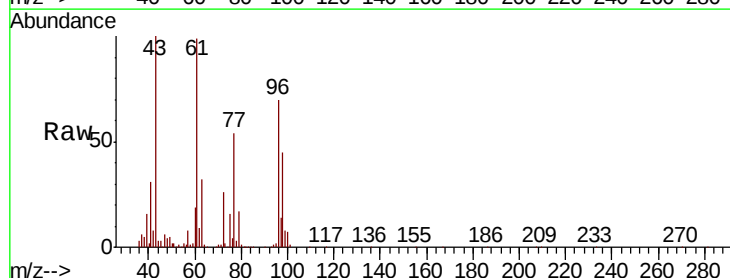
Acq: 09 Aug 2018 22:08

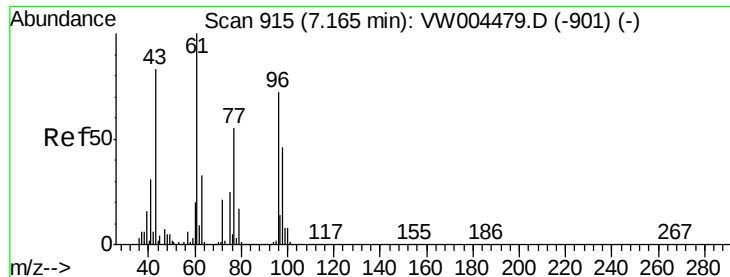
Tgt Ion: 77 Resp: 391291

Ion Ratio Lower Upper

77 100

97 24.6 12.5 37.5



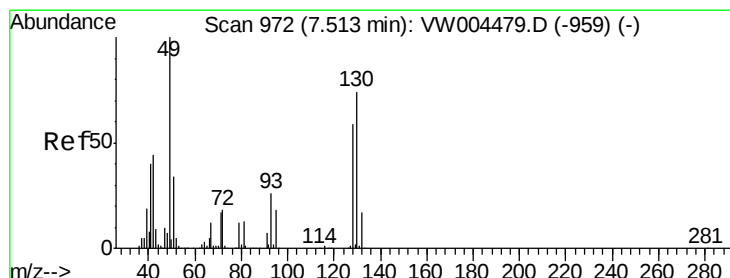
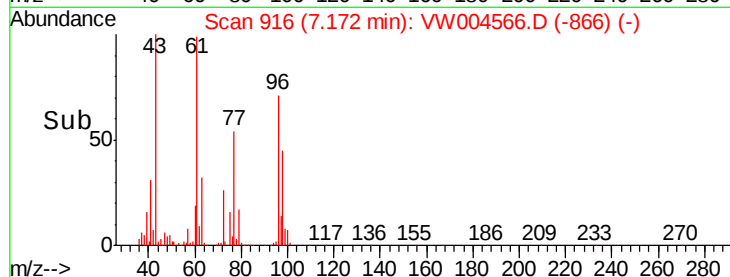
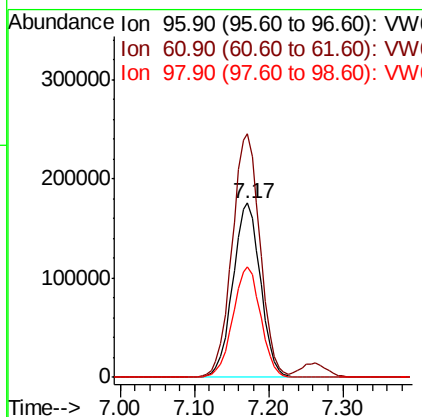
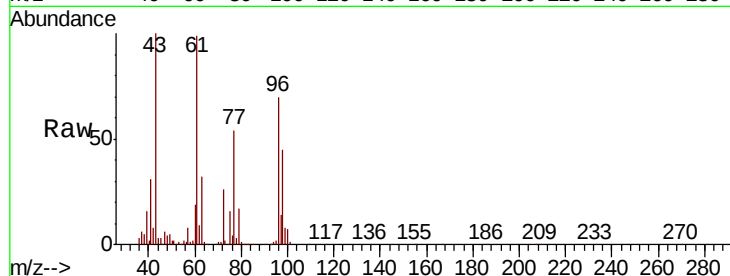


#27

cis-1,2-Dichloroethene
 Concen: 50.917 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VW004566.D
 Acq: 09 Aug 2018 22:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

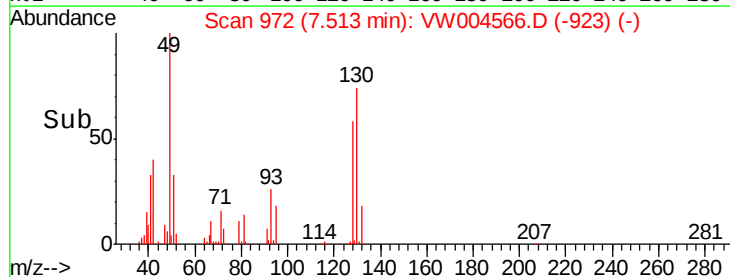
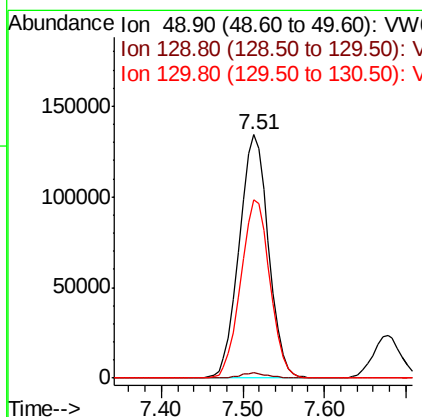
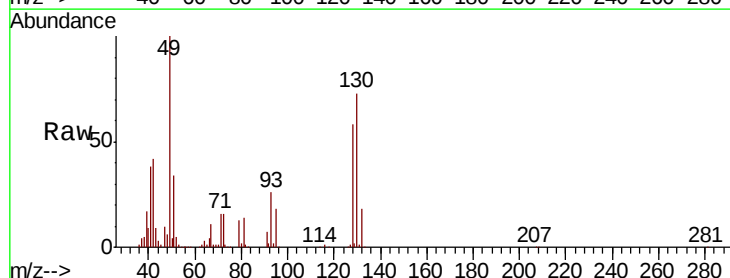
Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.1	0.0	285.0
98	63.7	0.0	128.6

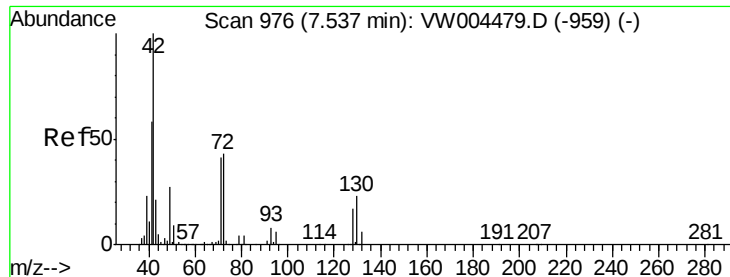


#28

Bromochloromethane
 Concen: 50.304 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004566.D
 Acq: 09 Aug 2018 22:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	73.1	58.8	88.2

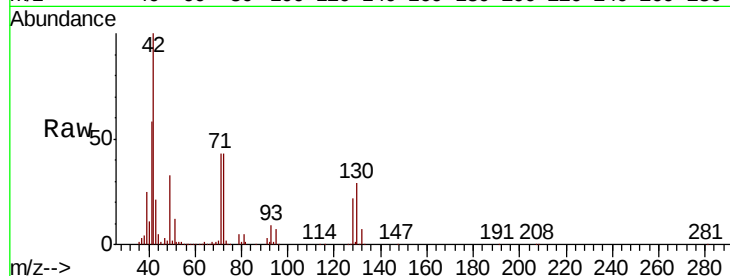




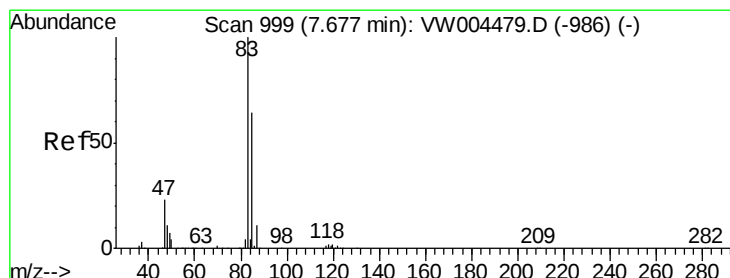
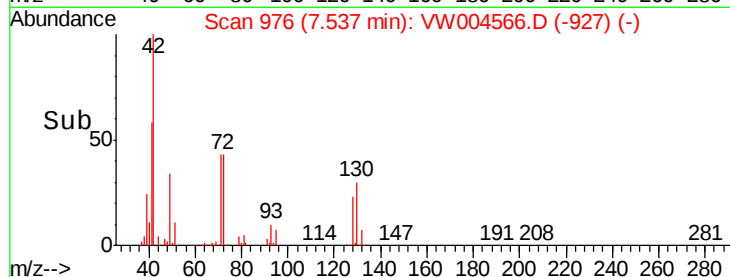
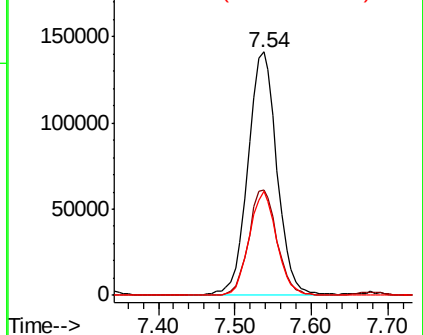
#29
Tetrahydrofuran
Concen: 229.769 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	40.6	32.5	48.7

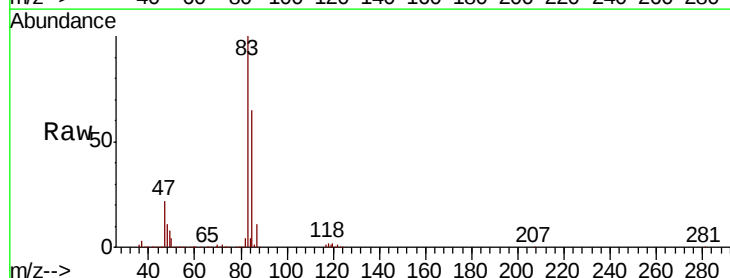


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

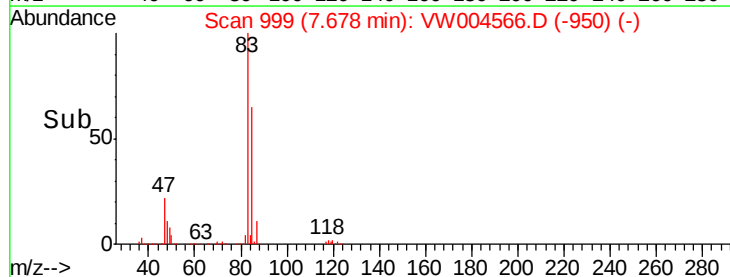
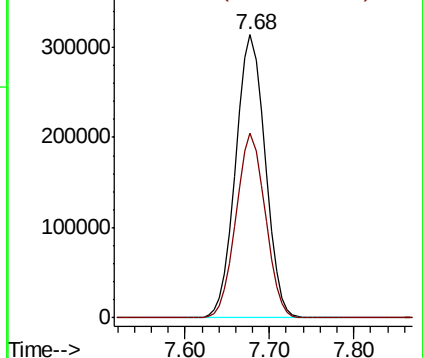


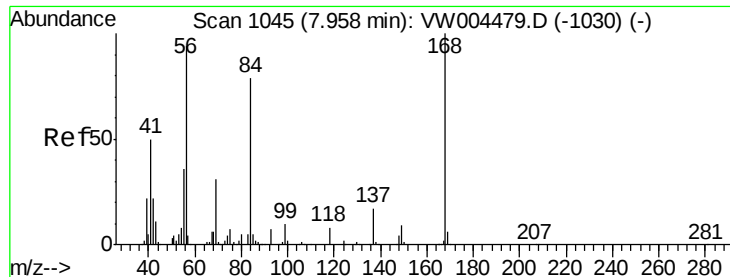
#30
Chloroform
Concen: 49.554 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.3	76.9



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

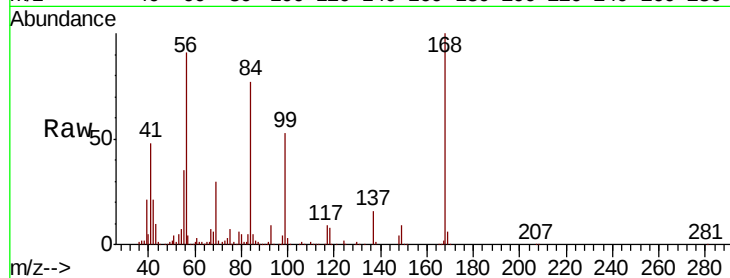




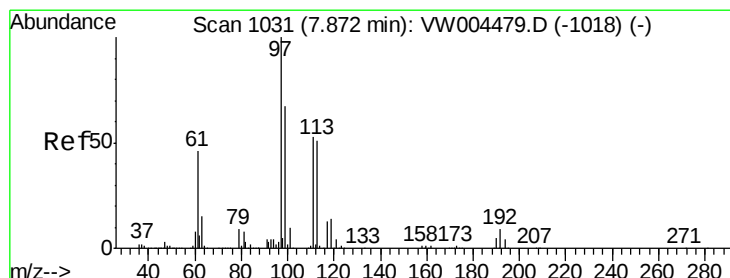
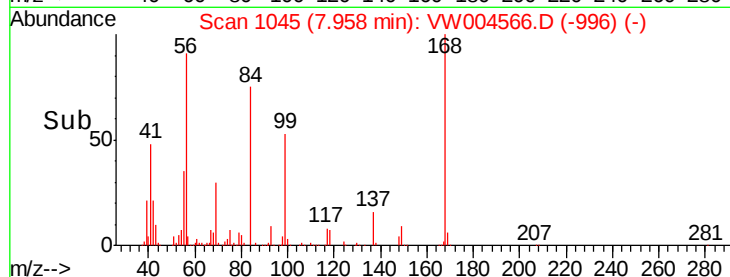
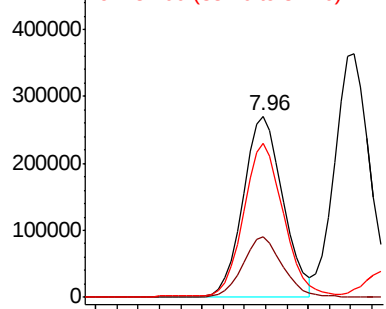
#31
Cyclohexane
Concen: 47.999 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 701383
Ion Ratio Lower Upper
56 100
69 33.3 26.4 39.6
84 84.0 66.9 100.3

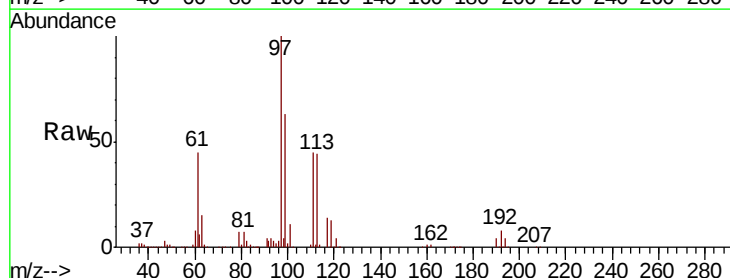


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

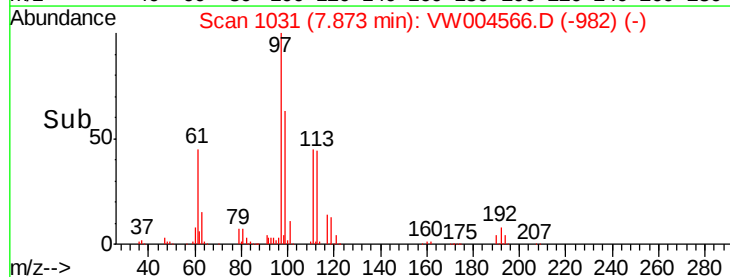
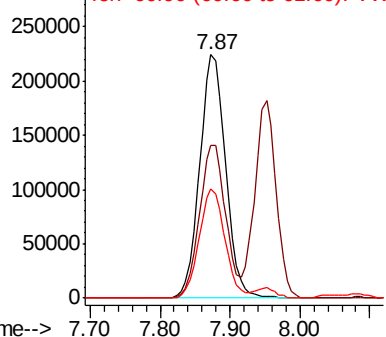


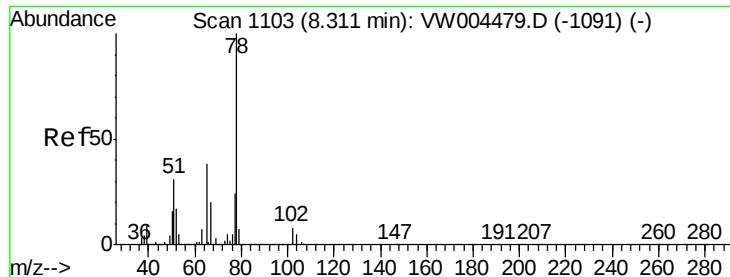
#32
1,1,1-Trichloroethane
Concen: 51.114 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

Tgt Ion: 97 Resp: 575942
Ion Ratio Lower Upper
97 100
99 63.6 51.6 77.4
61 44.8 35.7 53.5



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

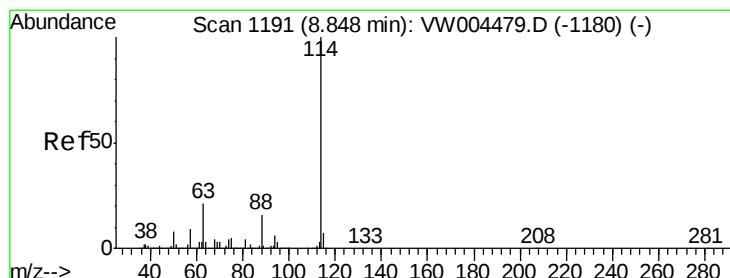
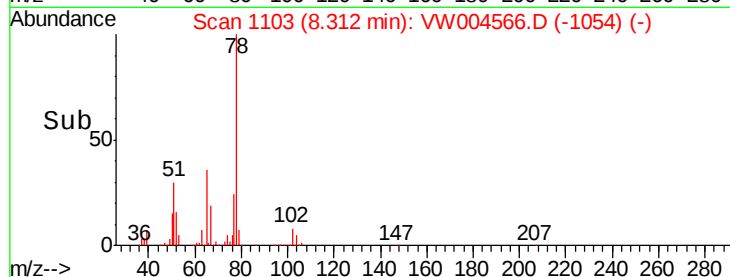
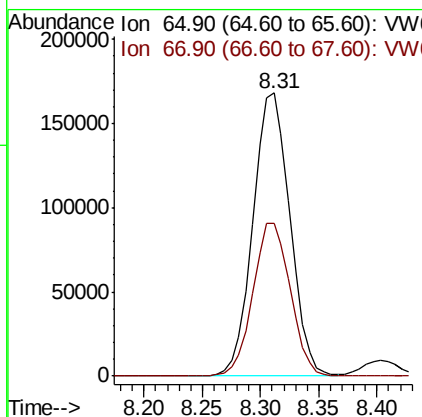
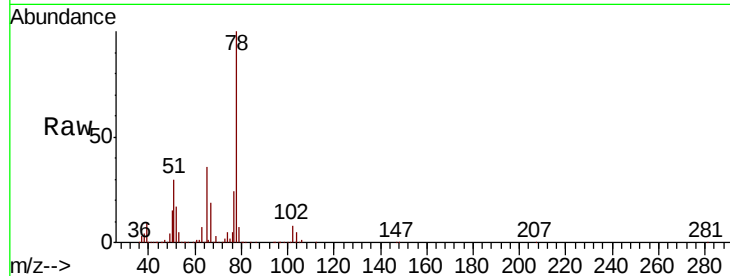




#33
 1,2-Dichloroethane-d4
 Concen: 47.520 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW004566.D
 Acq: 09 Aug 2018 22:08

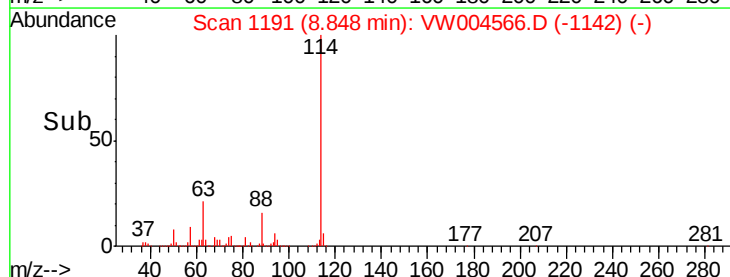
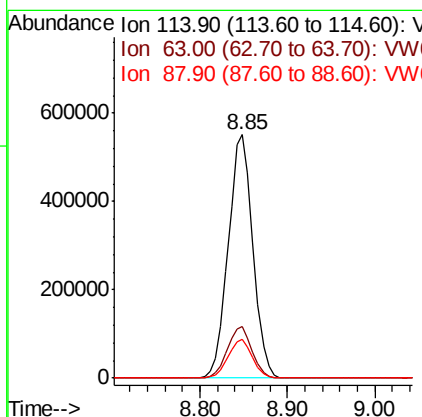
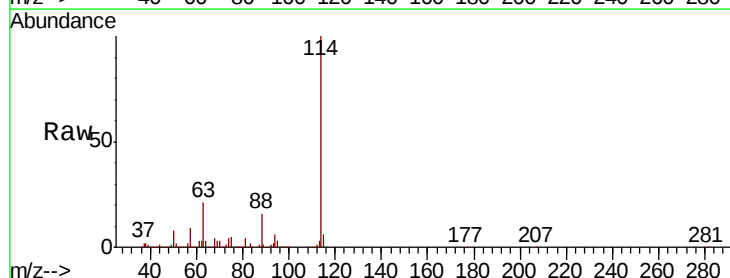
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

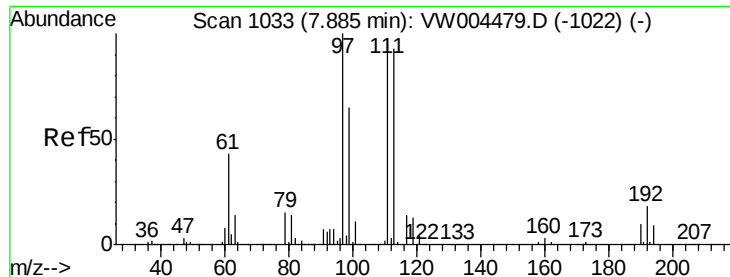
Tgt Ion: 65 Resp: 370688
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004566.D
 Acq: 09 Aug 2018 22:08

Tgt Ion: 114 Resp: 1073772
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.4
 88 15.8 0.0 31.2

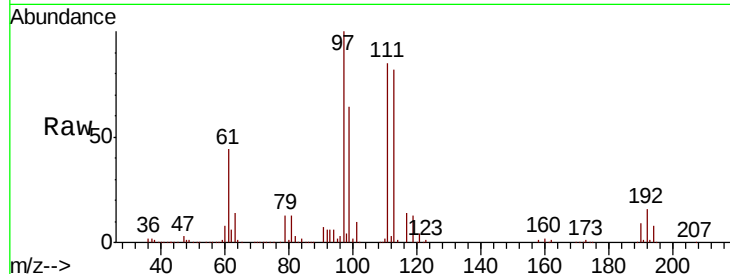




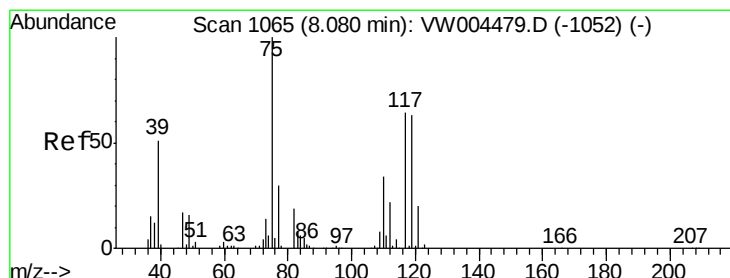
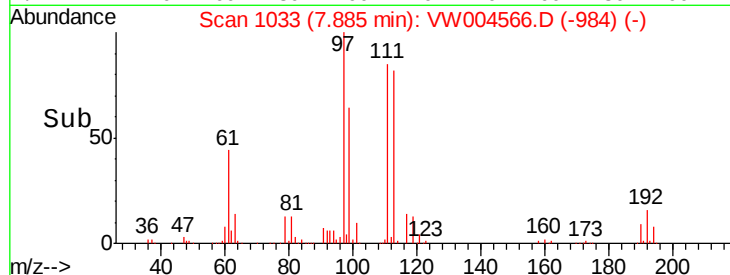
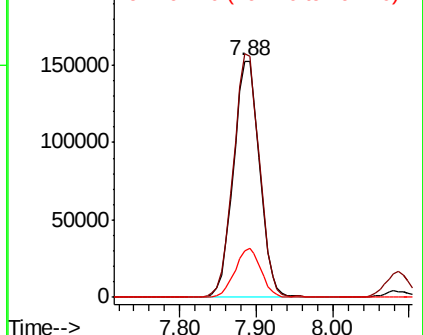
#35
 Dibromofluoromethane
 Concen: 50.529 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004566.D
 Acq: 09 Aug 2018 22:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.9	124.3
192	20.4	15.8	23.6

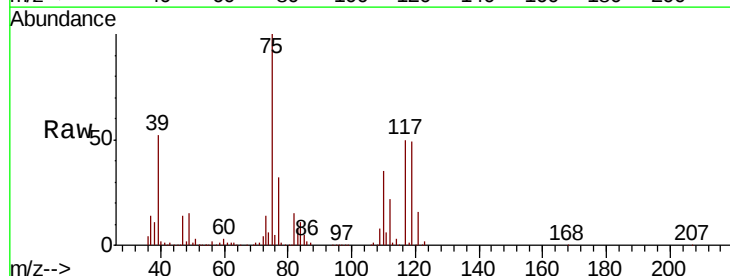


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

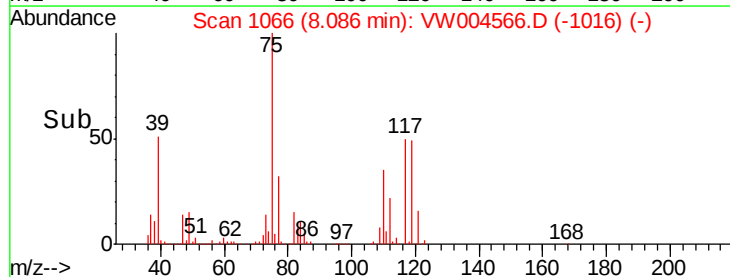
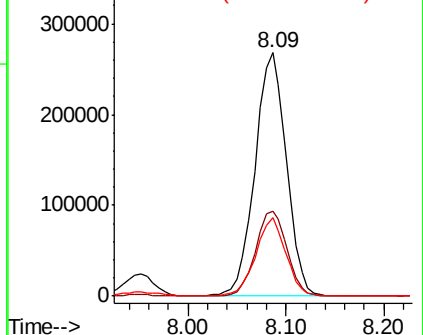


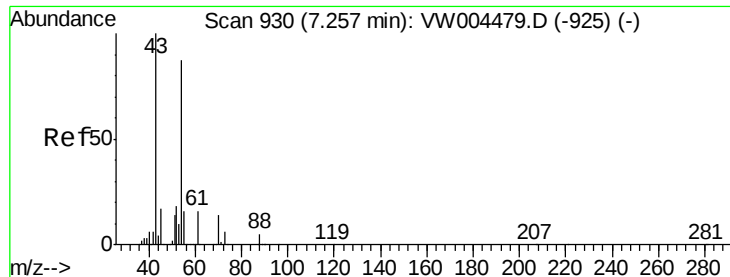
#36
 1,1-Dichloropropene
 Concen: 51.475 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004566.D
 Acq: 09 Aug 2018 22:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.4	52.2
77	31.0	24.7	37.1



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

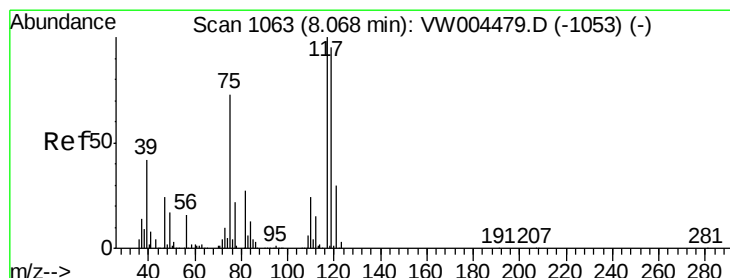
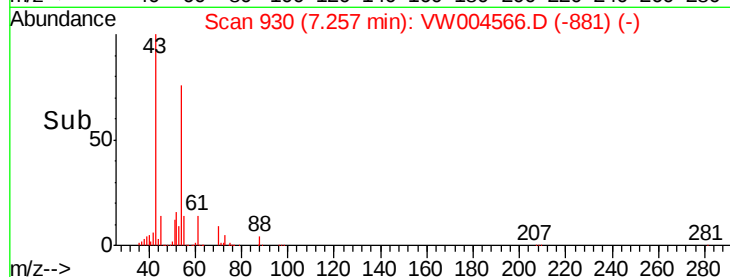
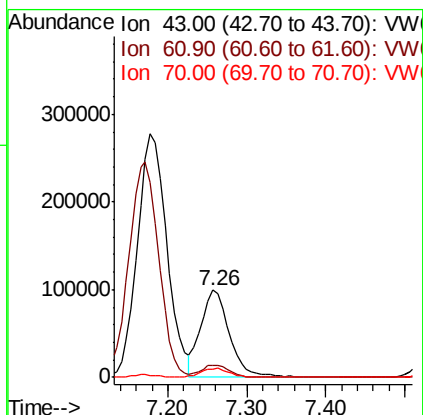
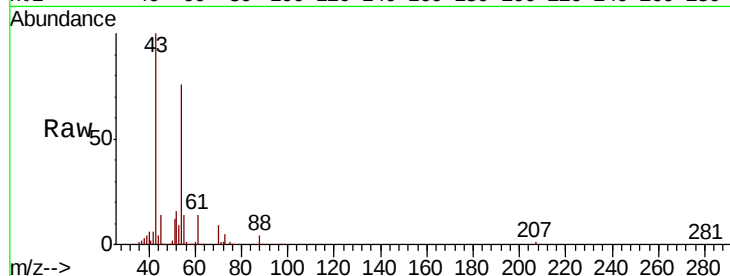




#37
 Ethyl Acetate
 Concen: 46.214 ug/l
 RT: 7.26 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VW004566.D
 Acq: 09 Aug 2018 22:08

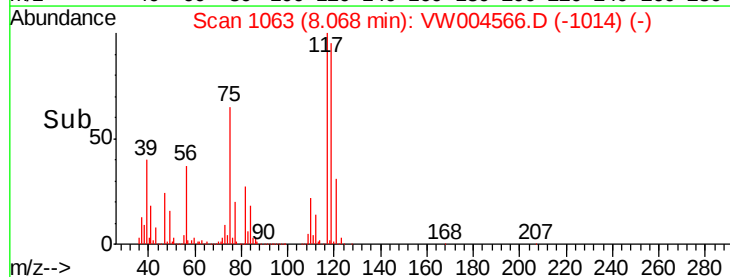
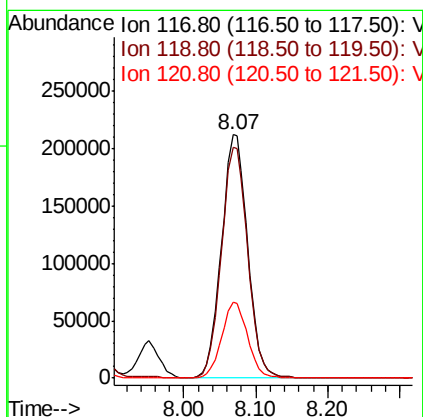
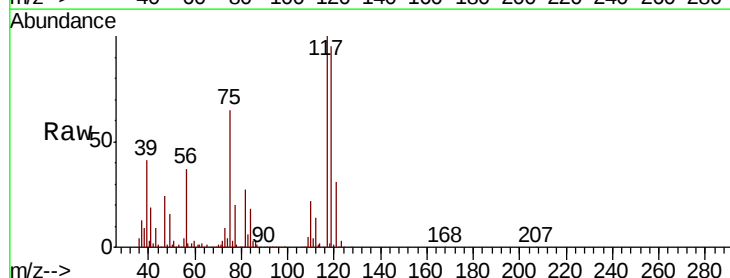
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

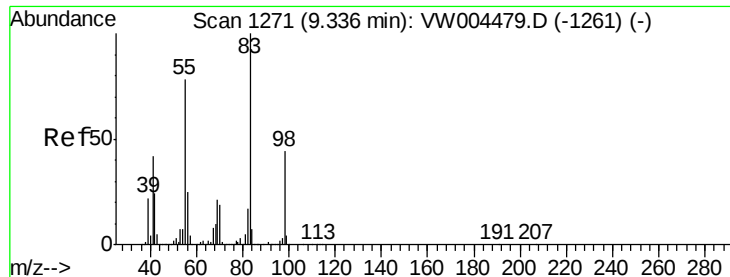
Tgt Ion: 43 Resp: 250240
 Ion Ratio Lower Upper
 43 100
 61 14.0 11.9 17.9
 70 10.5 8.2 12.4



#38
 Carbon Tetrachloride
 Concen: 51.622 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VW004566.D
 Acq: 09 Aug 2018 22:08

Tgt Ion: 117 Resp: 537067
 Ion Ratio Lower Upper
 117 100
 119 95.1 76.1 114.1
 121 31.5 24.2 36.4

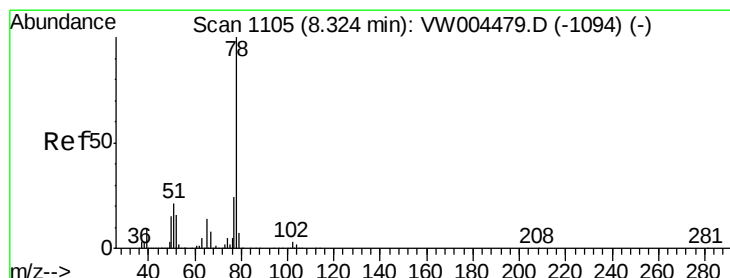
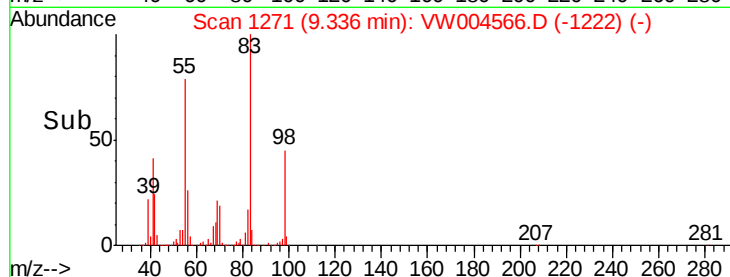
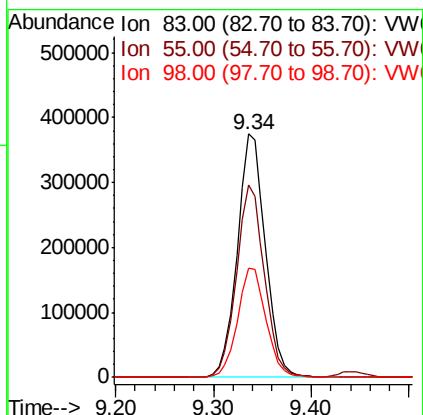
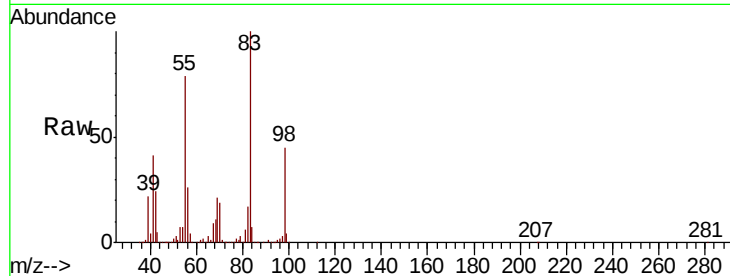




#39
Methylcyclohexane
Concen: 52.521 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

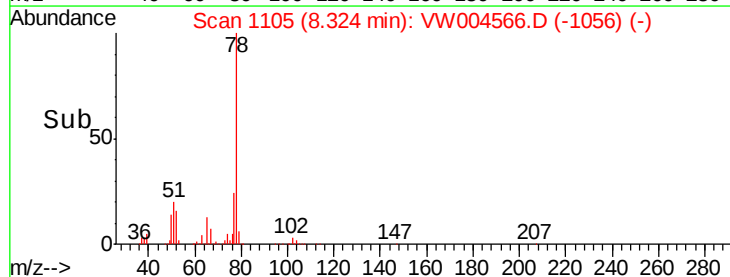
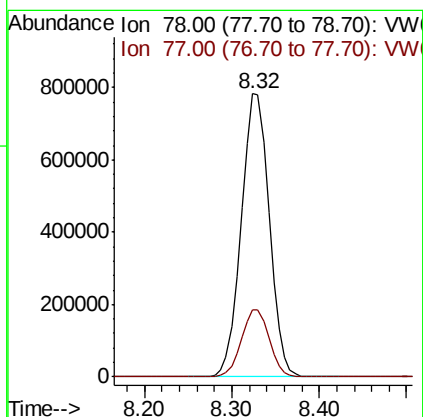
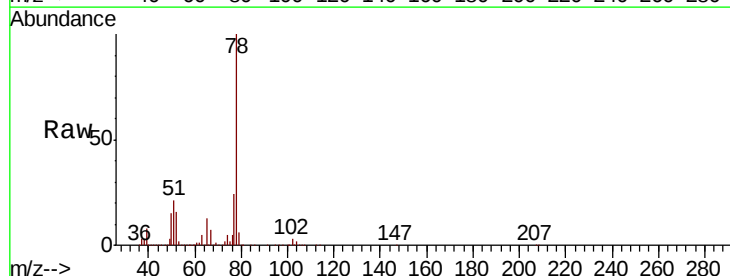
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

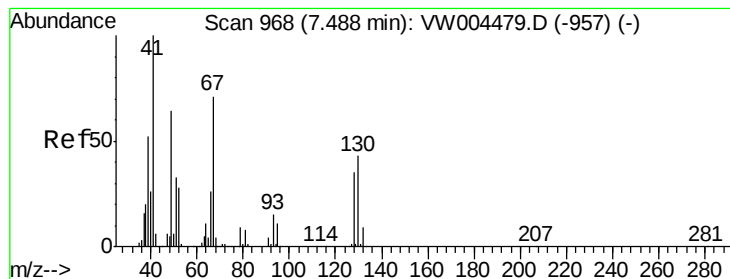
Tgt Ion: 83 Resp: 744293
Ion Ratio Lower Upper
83 100
55 79.0 62.5 93.7
98 44.6 35.4 53.2



#40
Benzene
Concen: 51.299 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

Tgt Ion: 78 Resp: 1741647
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6





#41

Methacrylonitrile

Concen: 47.540 ug/l

RT: 7.49 min Scan# 968

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 143777

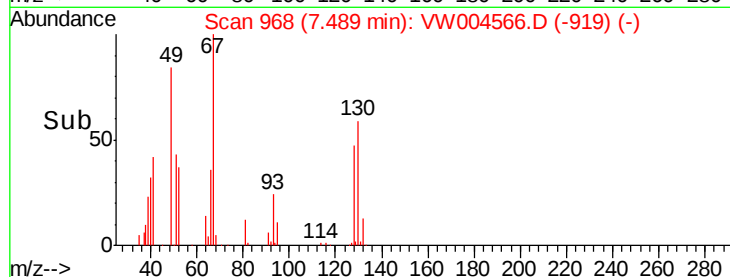
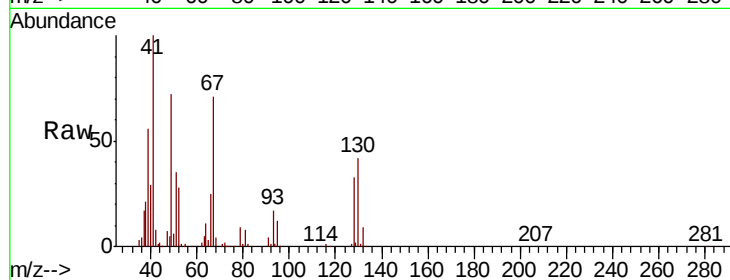
Ion Ratio Lower Upper

41 100

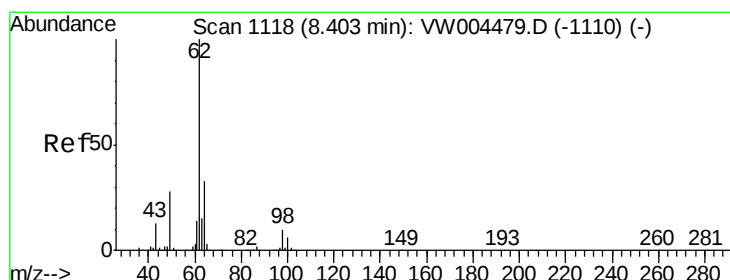
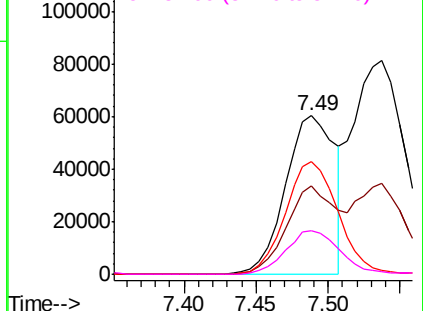
39 58.9 46.2 69.2

67 76.0 60.8 91.2

52 30.2 23.8 35.6



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



#42

1,2-Dichloroethane

Concen: 48.978 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004566.D

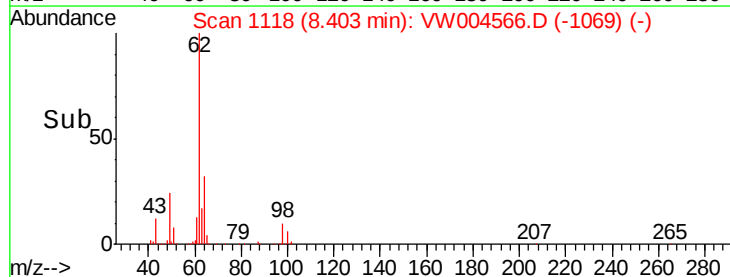
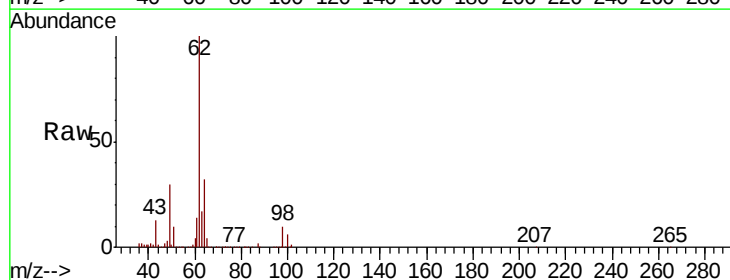
Acq: 09 Aug 2018 22:08

Tgt Ion: 62 Resp: 460062

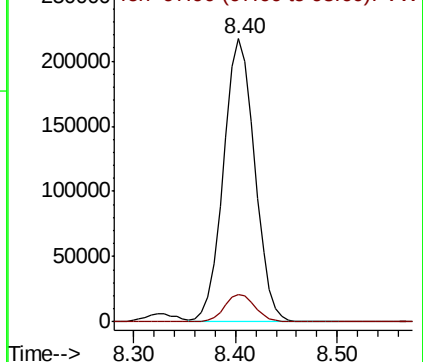
Ion Ratio Lower Upper

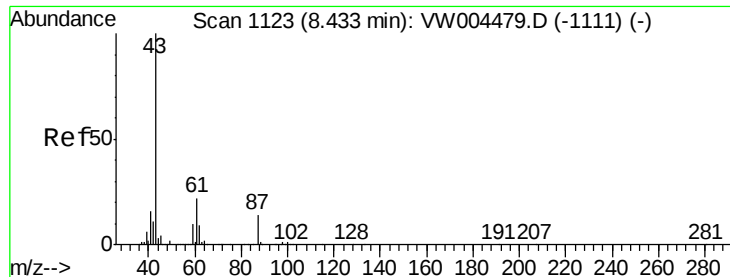
62 100

98 9.8 0.0 19.6



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





#43

Isopropyl Acetate

Concen: 47.009 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

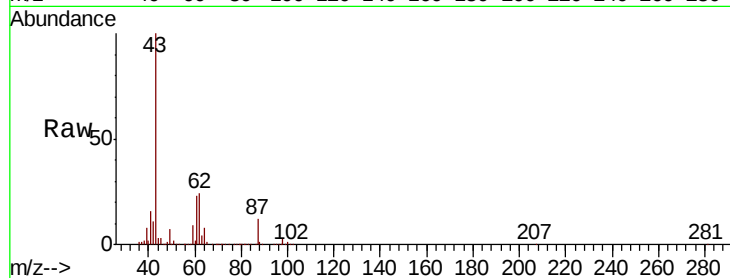
Tgt Ion: 43 Resp: 443696

Ion Ratio Lower Upper

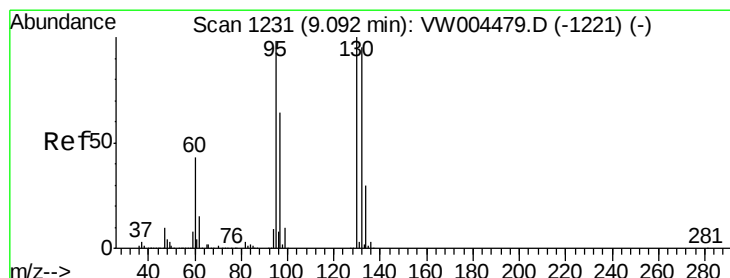
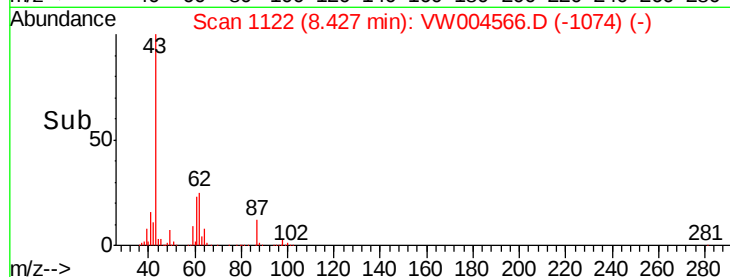
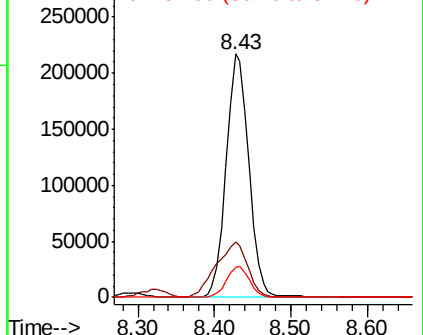
43 100

61 31.6 25.2 37.8

87 13.0 10.6 16.0



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: 50.009 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004566.D

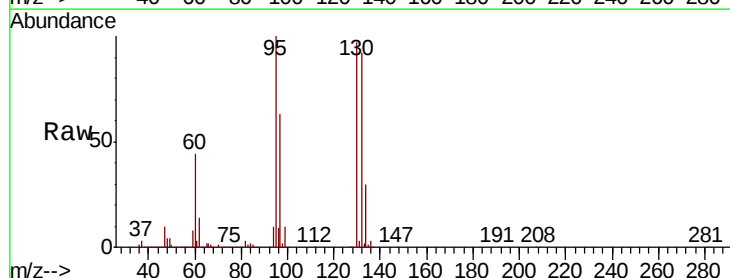
Acq: 09 Aug 2018 22:08

Tgt Ion: 130 Resp: 417209

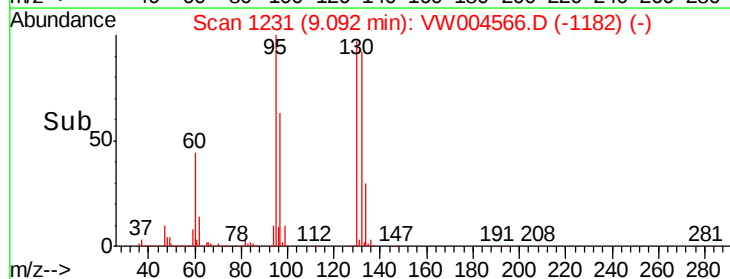
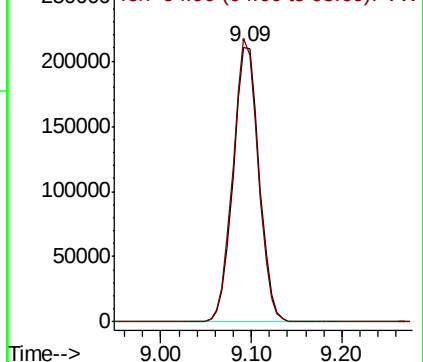
Ion Ratio Lower Upper

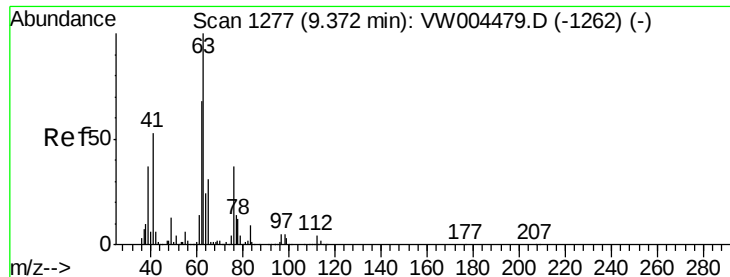
130 100

95 103.1 0.0 196.2



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





#45

1,2-Dichloropropane

Concen: 51.010 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampleId :

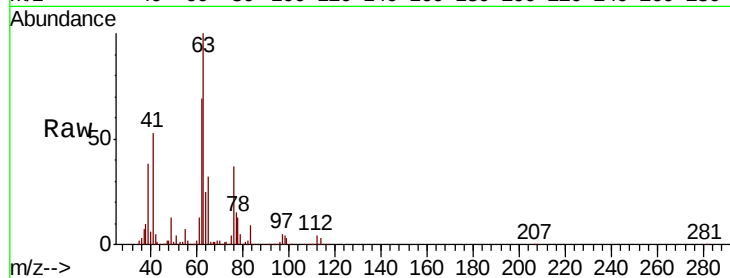
VSTDCCC050

Tgt Ion: 63 Resp: 433714

Ion Ratio Lower Upper

63 100

65 31.6 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

250000

200000

150000

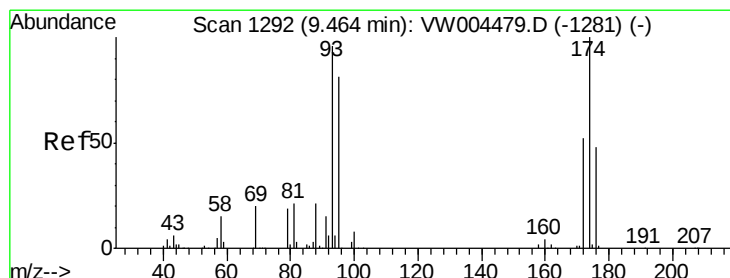
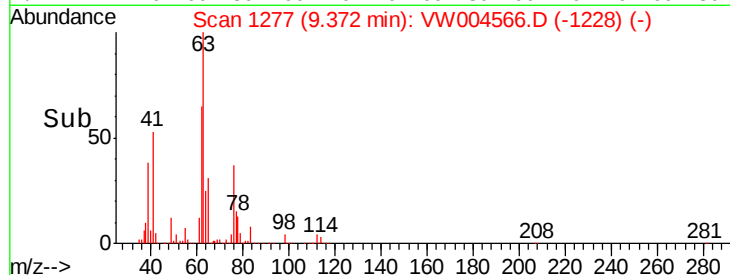
100000

50000

0

9.20 9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 48.733 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

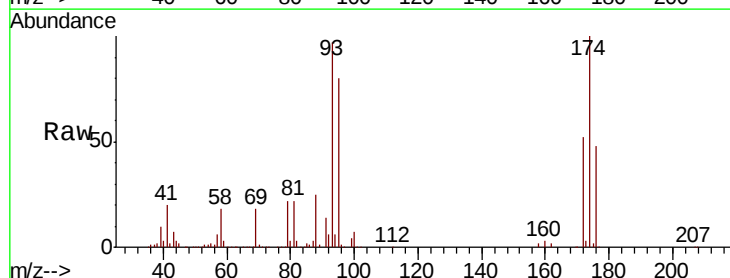
Tgt Ion: 93 Resp: 210933

Ion Ratio Lower Upper

93 100

95 83.5 67.0 100.4

174 100.7 80.2 120.4



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

150000

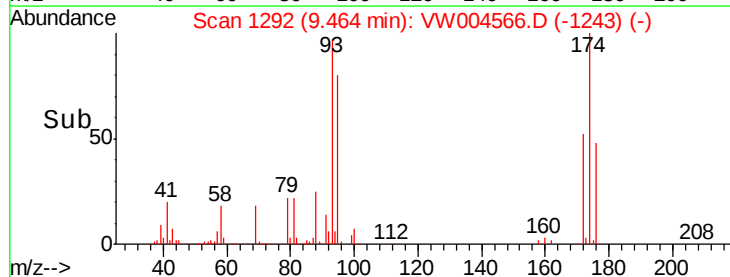
100000

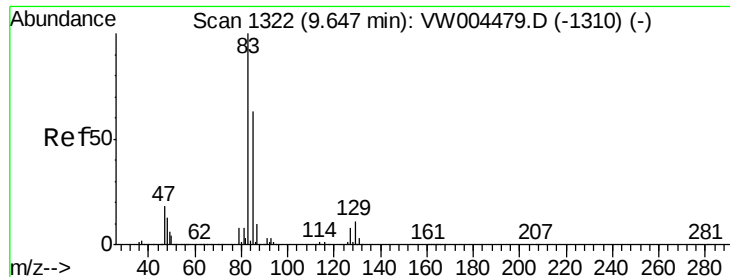
50000

0

9.40 9.50 9.60

Time-->





#47

Bromodichloromethane

Concen: 50.101 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

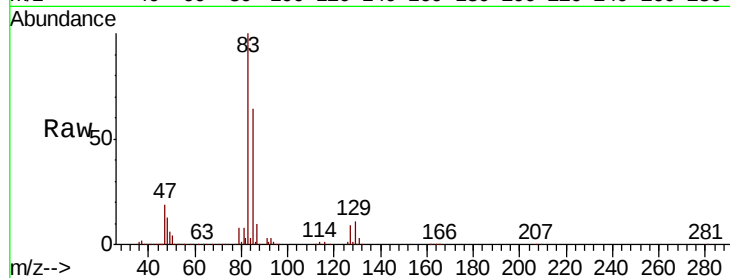
Tgt Ion: 83 Resp: 511878

Ion Ratio Lower Upper

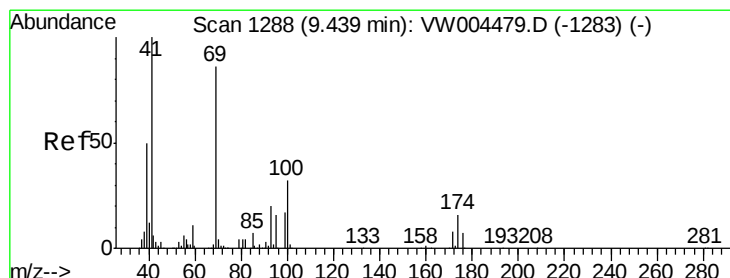
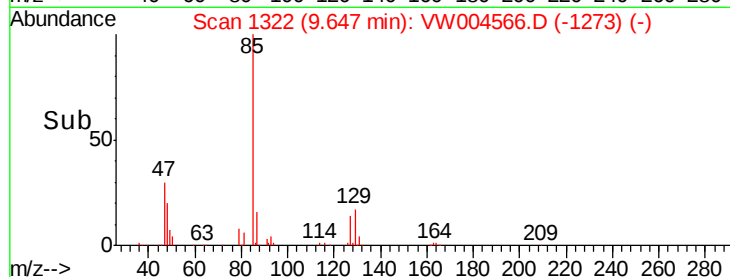
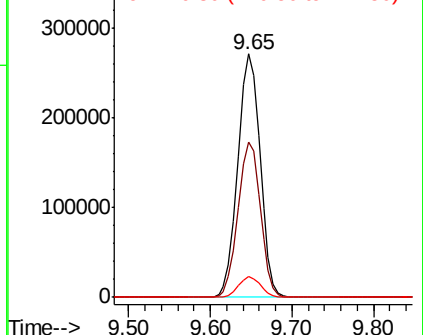
83 100

85 64.0 50.7 76.1

127 8.6 6.5 9.7



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: 49.556 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

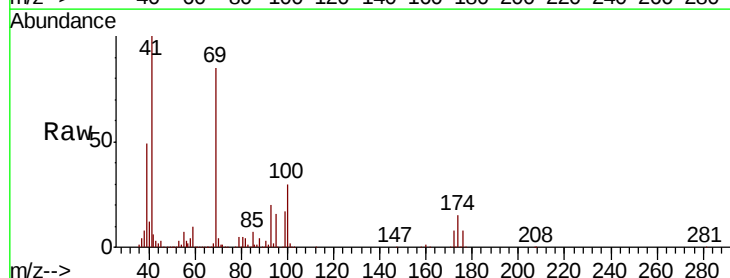
Tgt Ion: 41 Resp: 218611

Ion Ratio Lower Upper

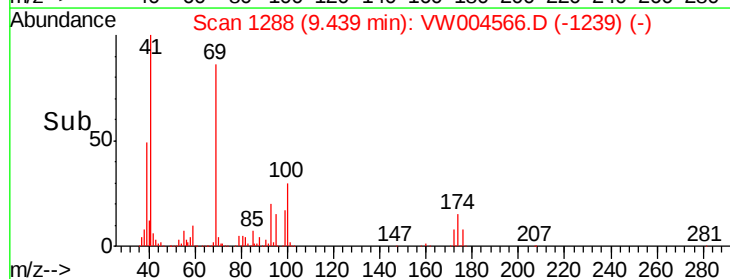
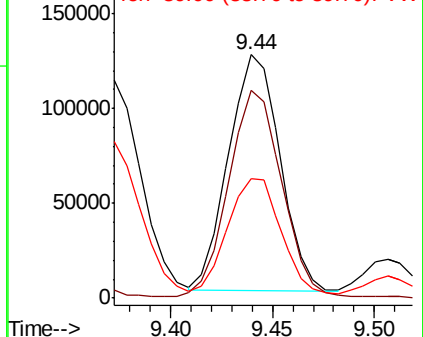
41 100

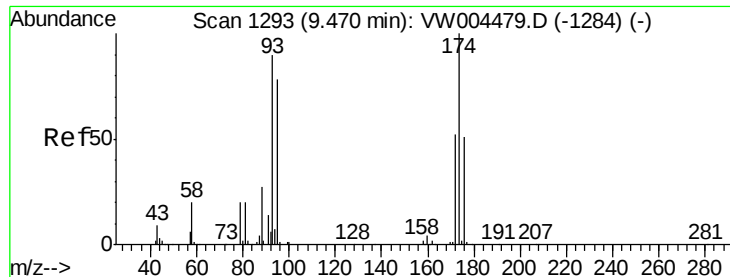
69 91.9 73.2 109.8

39 50.0 40.6 60.8



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: 1004.907 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

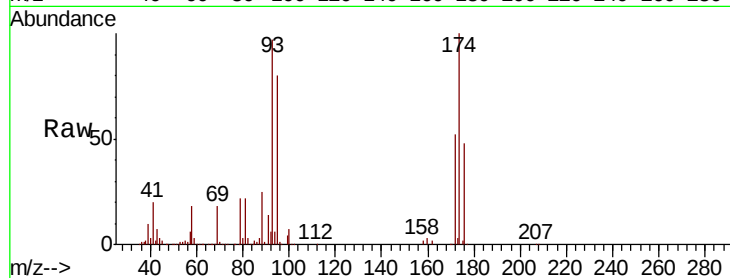
Tgt Ion: 88 Resp: 66359

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

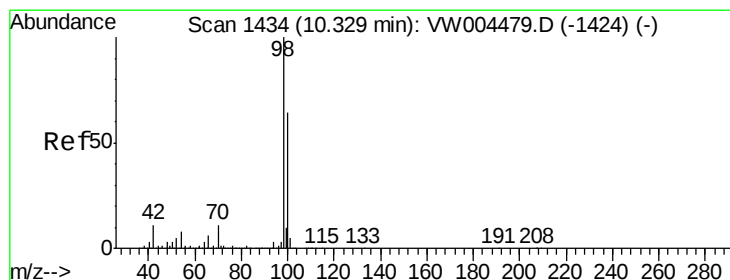
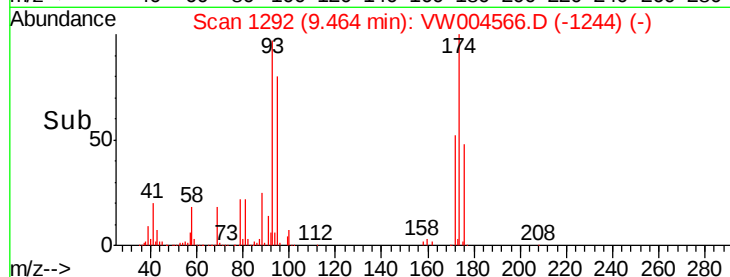
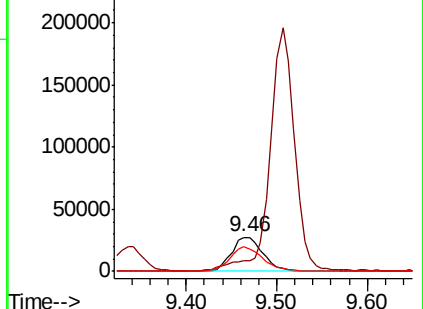
58 76.8 63.5 95.3



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 52.660 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004566.D

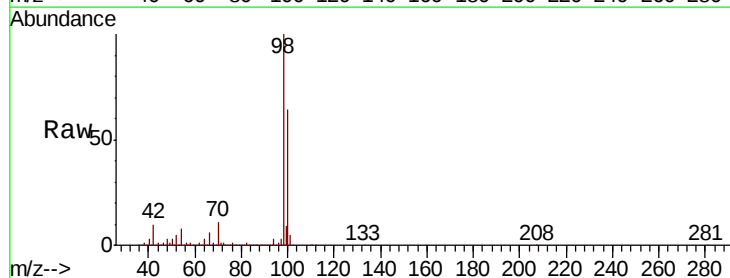
Acq: 09 Aug 2018 22:08

Tgt Ion: 98 Resp: 1437340

Ion Ratio Lower Upper

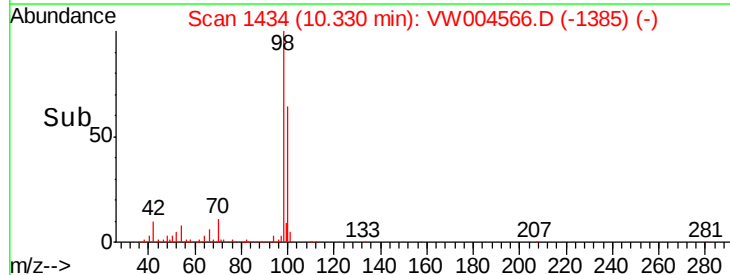
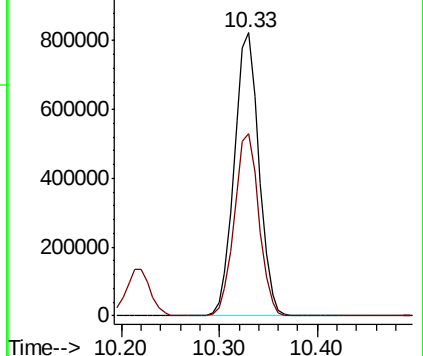
98 100

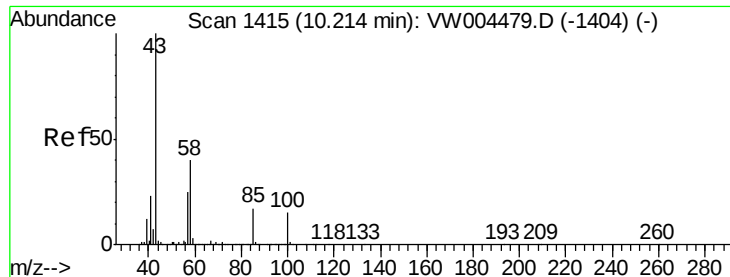
100 64.0 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 242.104 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampleId :

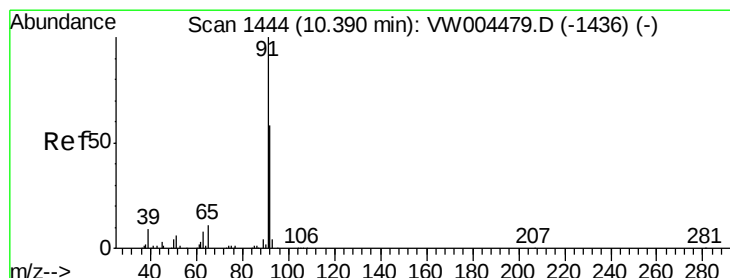
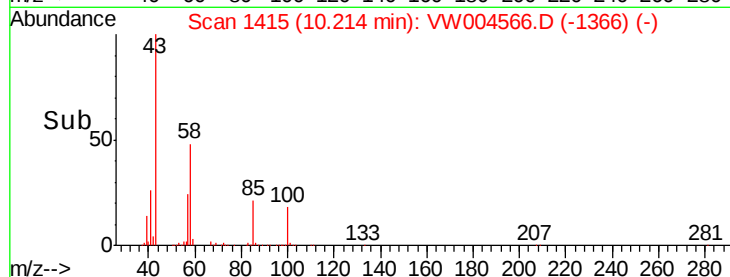
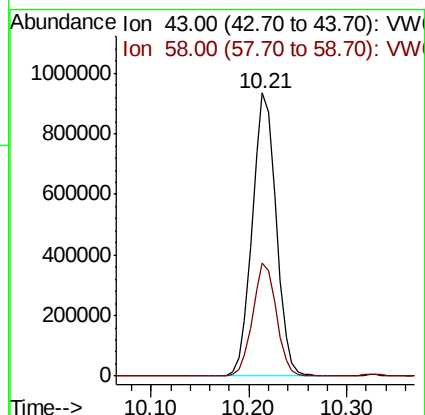
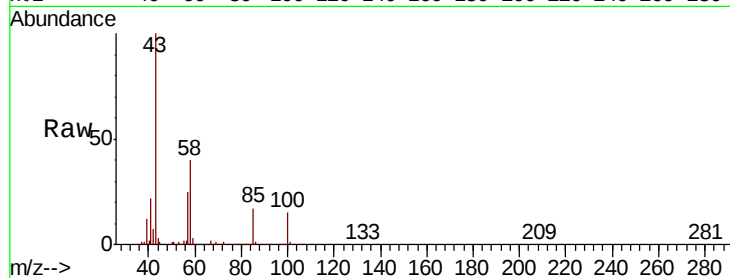
VSTDCCC050

Tgt Ion: 43 Resp: 1590607

Ion Ratio Lower Upper

43 100

58 39.6 31.9 47.9



#52

Toluene

Concen: 52.625 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004566.D

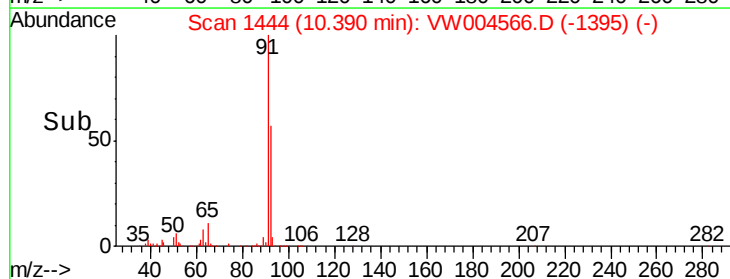
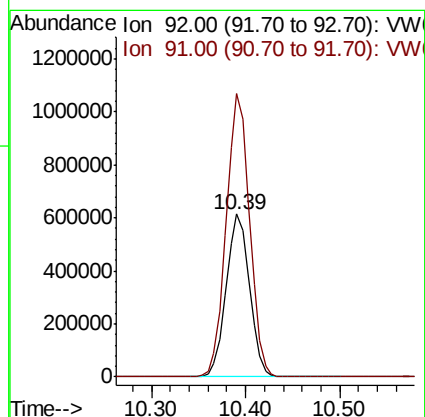
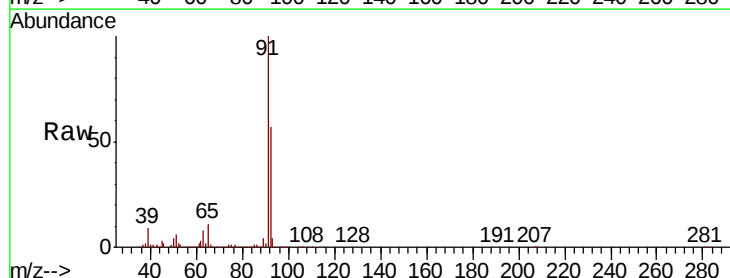
Acq: 09 Aug 2018 22:08

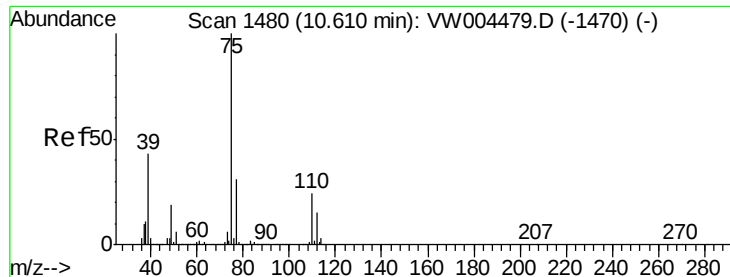
Tgt Ion: 92 Resp: 1053576

Ion Ratio Lower Upper

92 100

91 174.1 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 50.422 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampleId :

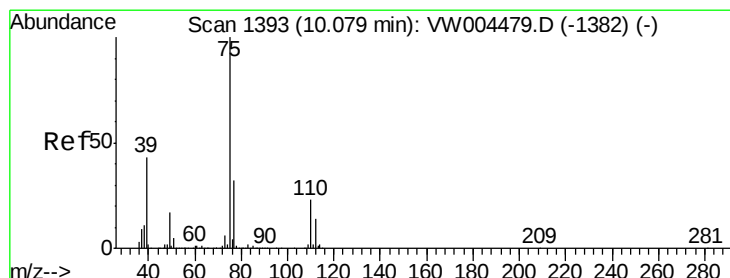
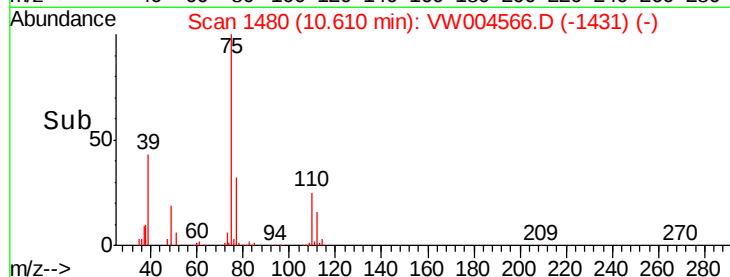
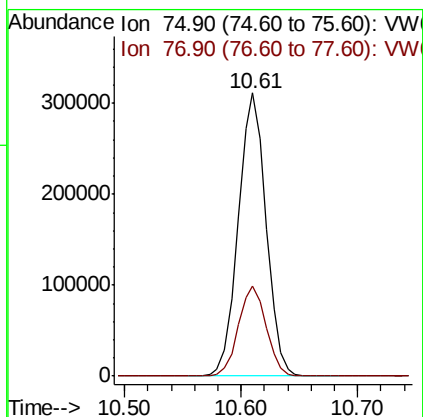
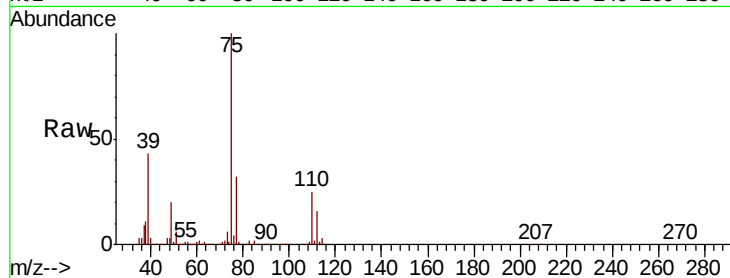
VSTDCCC050

Tgt Ion: 75 Resp: 517271

Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 51.478 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

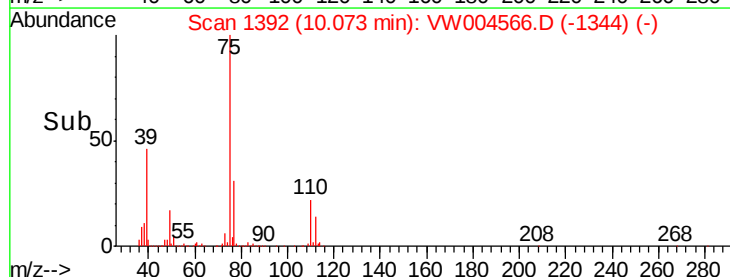
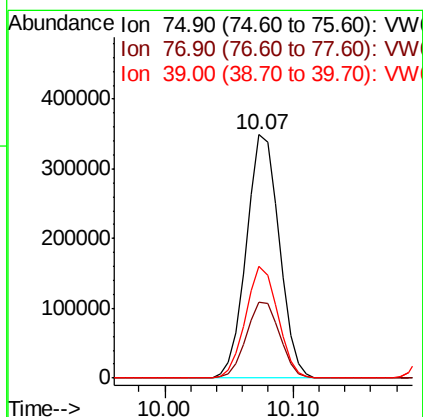
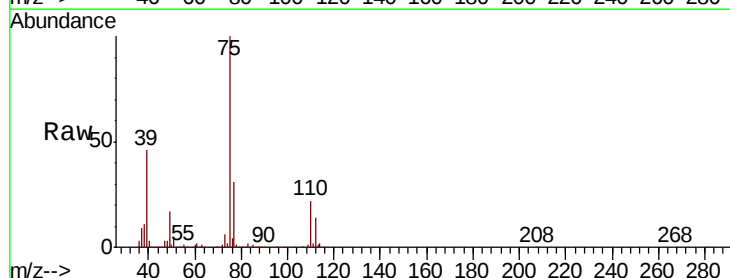
Tgt Ion: 75 Resp: 615451

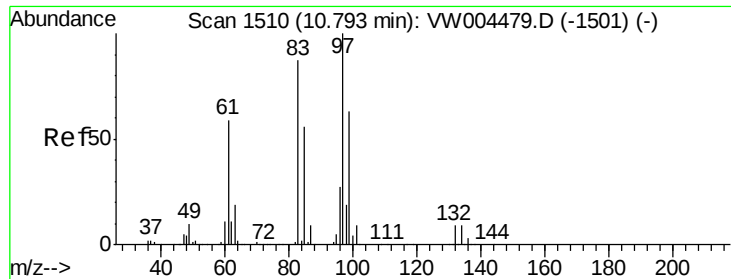
Ion Ratio Lower Upper

75 100

77 31.4 25.3 37.9

39 46.0 34.5 51.7





#55

1,1,2-Trichloroethane

Concen: 49.009 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 304040

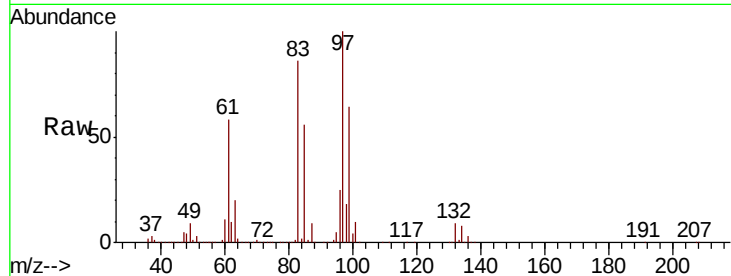
Ion Ratio Lower Upper

97 100

83 86.3 69.8 104.8

85 55.7 45.1 67.7

99 64.0 50.3 75.5



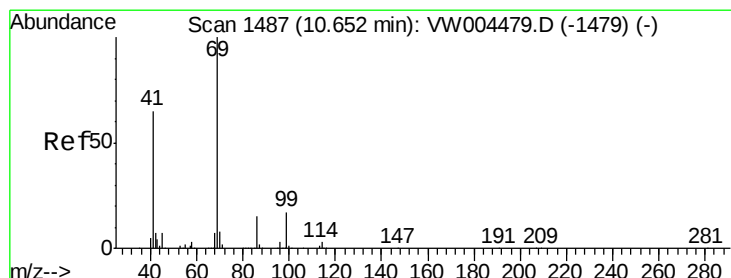
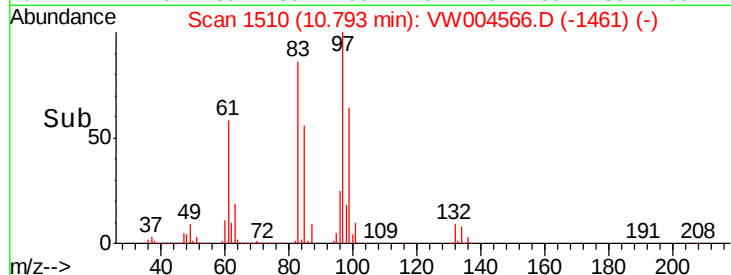
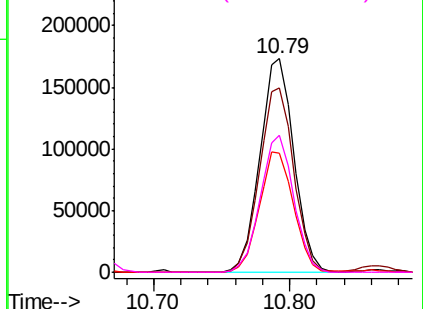
Abundance

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: 51.300 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

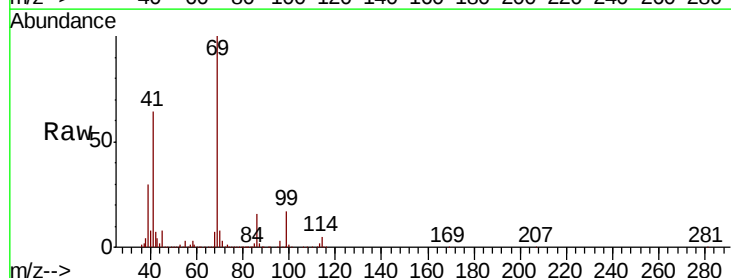
Tgt Ion: 69 Resp: 381031

Ion Ratio Lower Upper

69 100

41 64.7 52.4 78.6

39 27.8 22.7 34.1

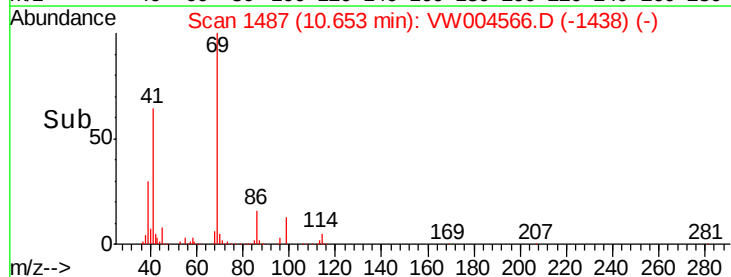
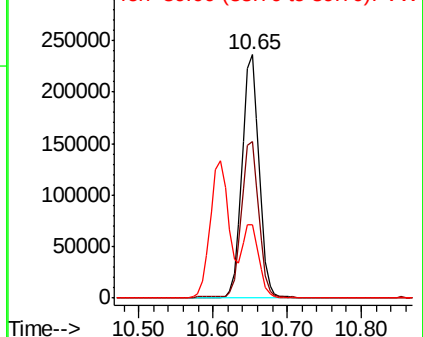


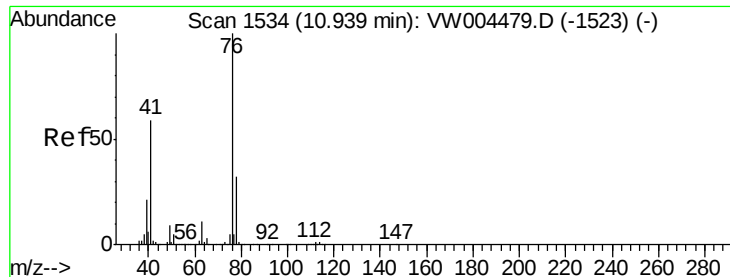
Abundance

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

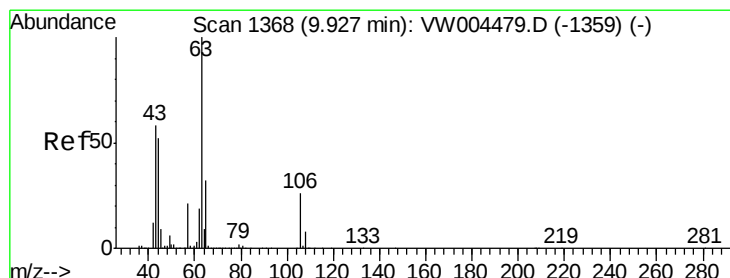
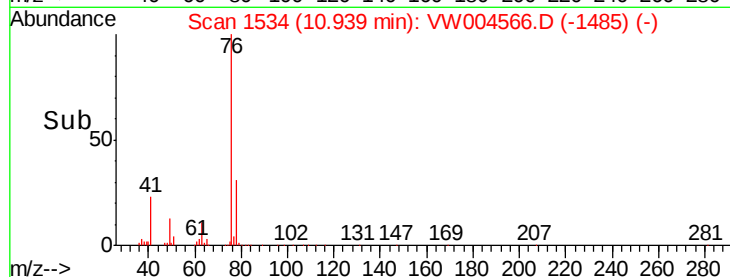
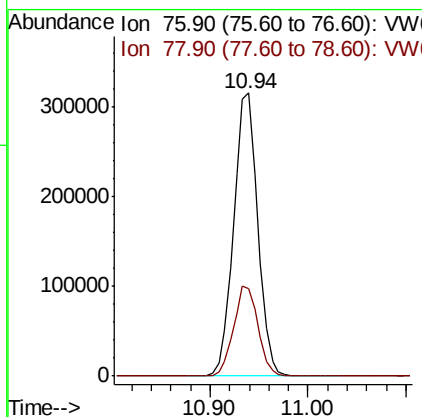
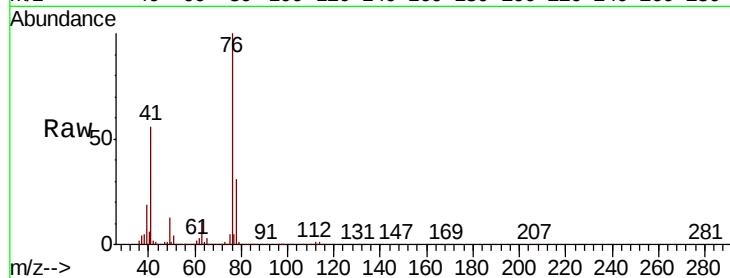




#57
 1,3-Dichloropropane
 Concen: 50.229 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW004566.D
 Acq: 09 Aug 2018 22:08

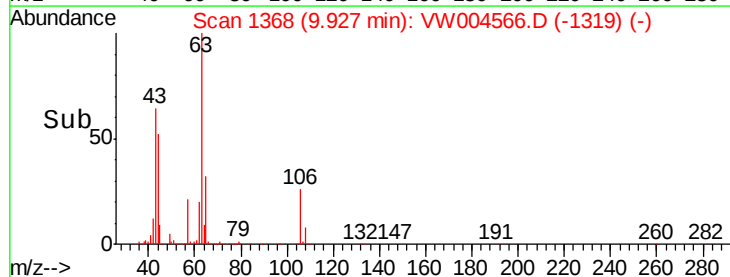
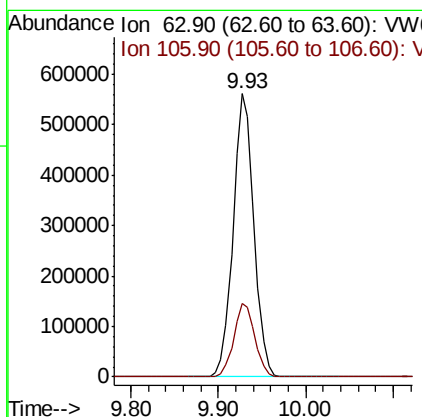
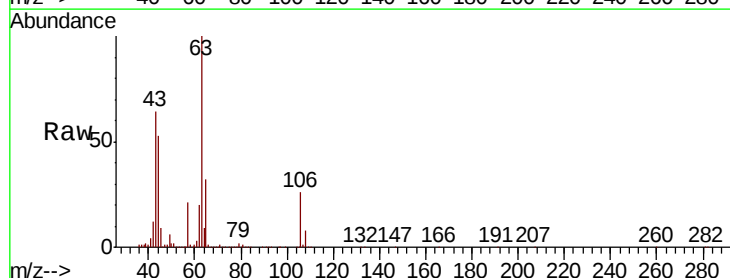
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

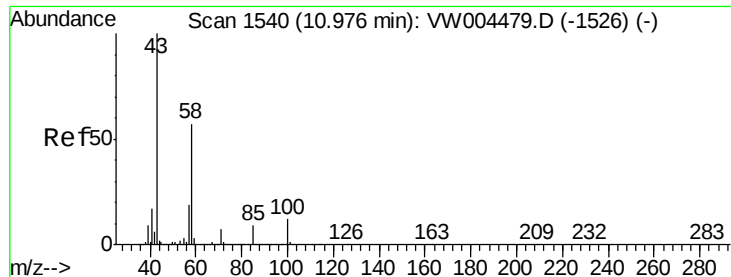
Tgt Ion: 76 Resp: 537084
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.180 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW004566.D
 Acq: 09 Aug 2018 22:08

Tgt Ion: 63 Resp: 925496
 Ion Ratio Lower Upper
 63 100
 106 26.3 21.3 31.9

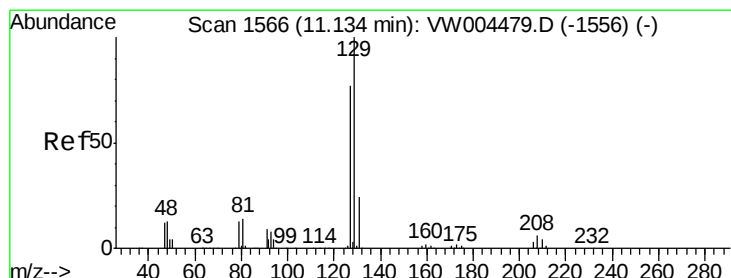
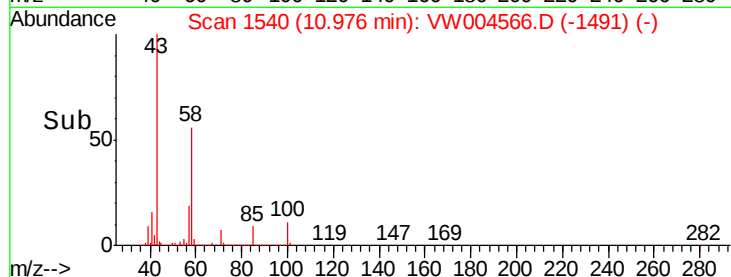
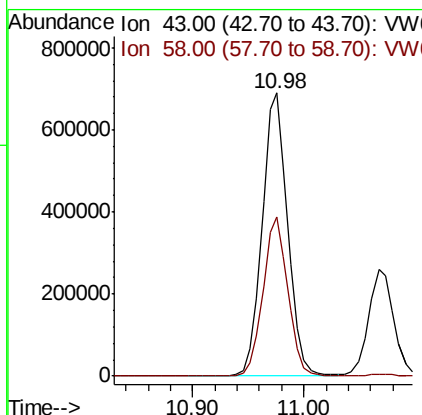
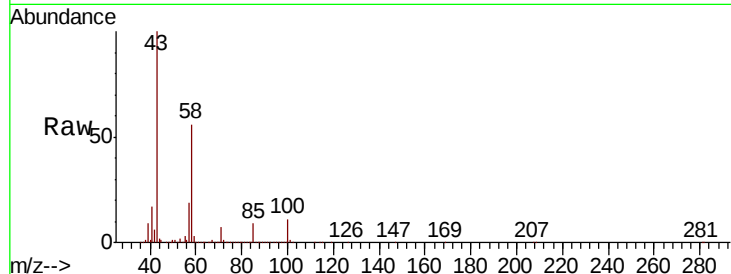




#59
2-Hexanone
Concen: 247.169 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

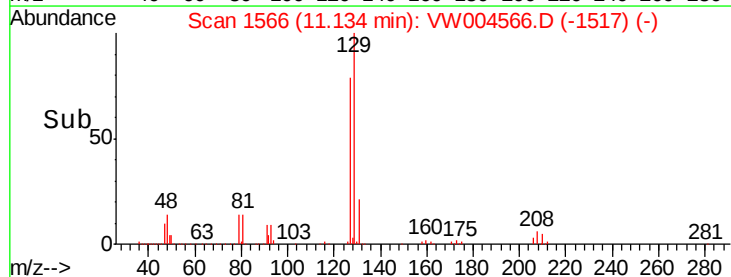
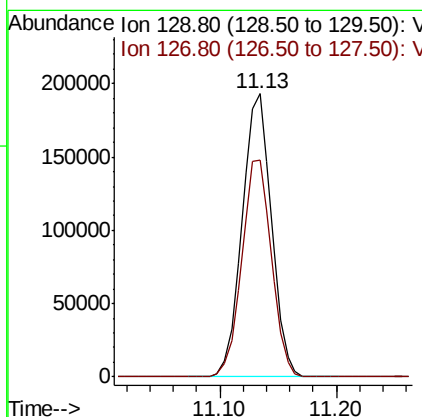
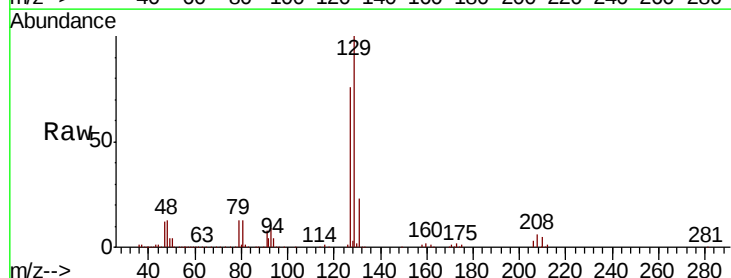
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

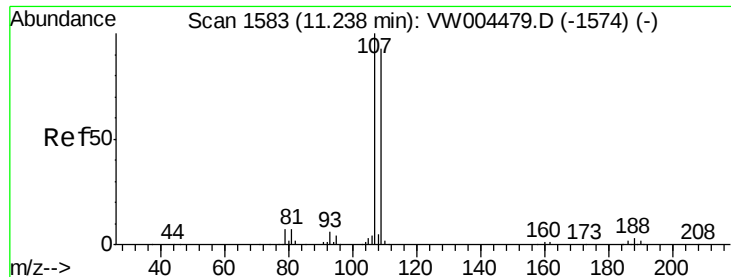
Tgt Ion: 43 Resp: 1101003
Ion Ratio Lower Upper
43 100
58 55.1 27.9 83.6



#60
Dibromochloromethane
Concen: 50.265 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

Tgt Ion: 129 Resp: 339166
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 49.529 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampleId :

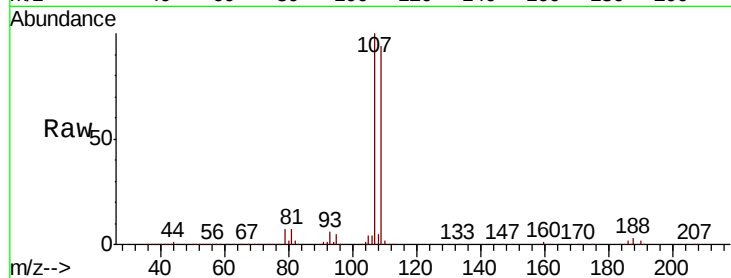
VSTDCCC050

Tgt Ion: 107 Resp: 288677

Ion Ratio Lower Upper

107 100

109 93.9 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

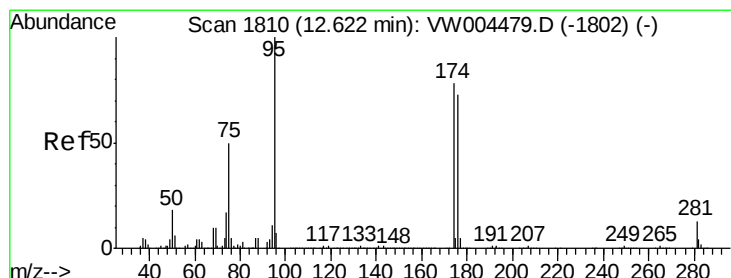
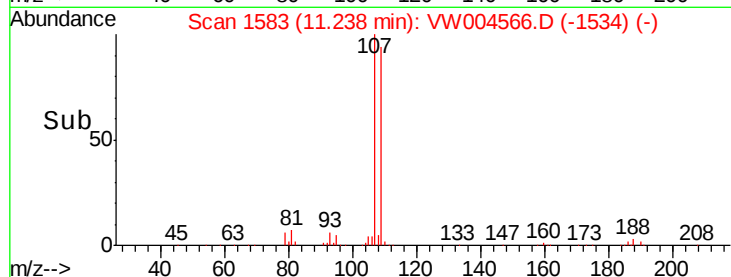
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.253 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

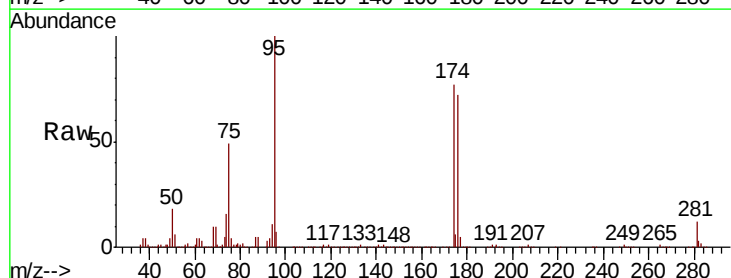
Tgt Ion: 95 Resp: 523593

Ion Ratio Lower Upper

95 100

174 79.1 0.0 160.4

176 76.2 0.0 153.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

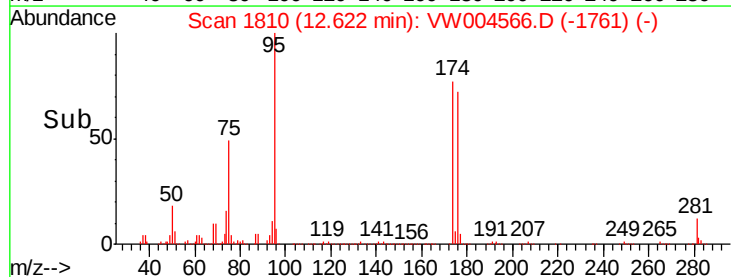
300000

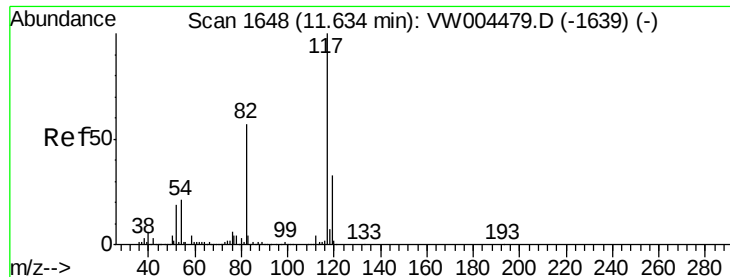
200000

100000

0

Time-->

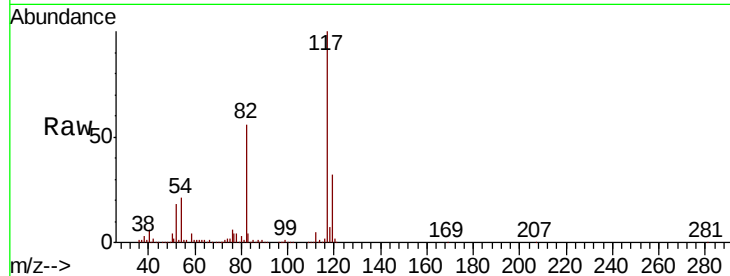




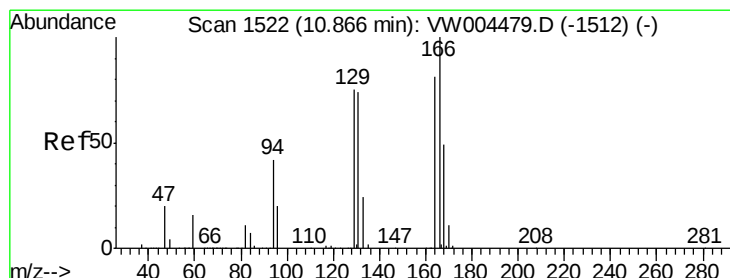
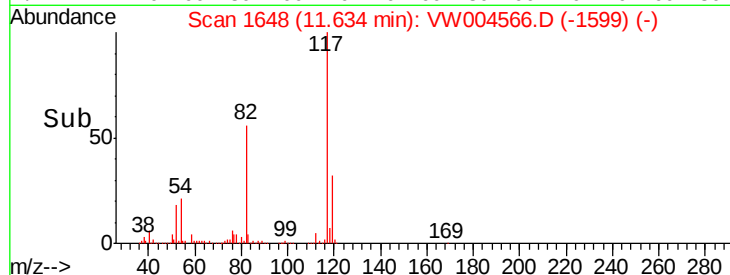
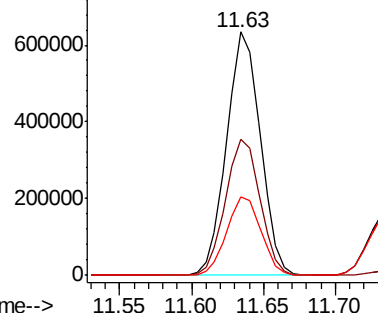
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 1031623
Ion Ratio Lower Upper
117 100
82 56.1 45.3 67.9
119 32.1 26.2 39.4

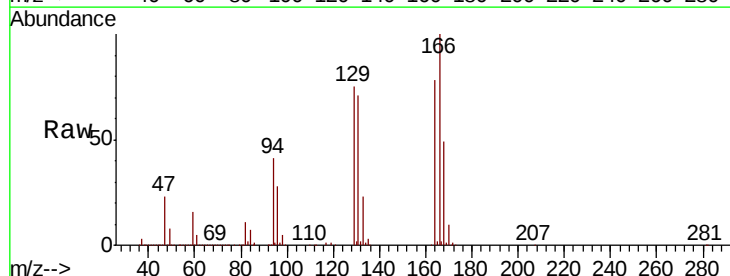


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

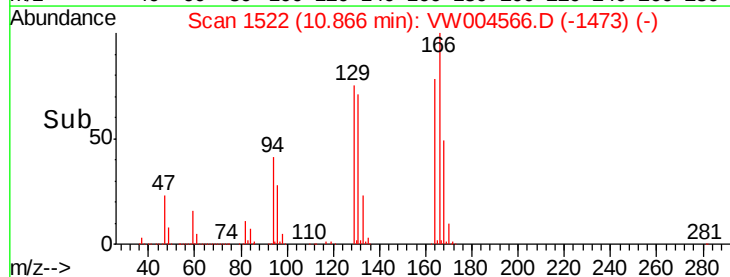
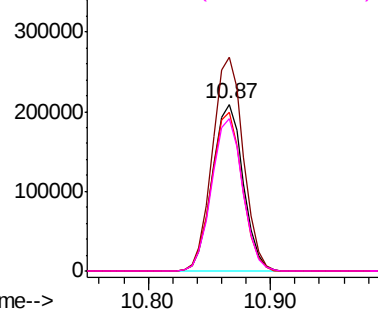


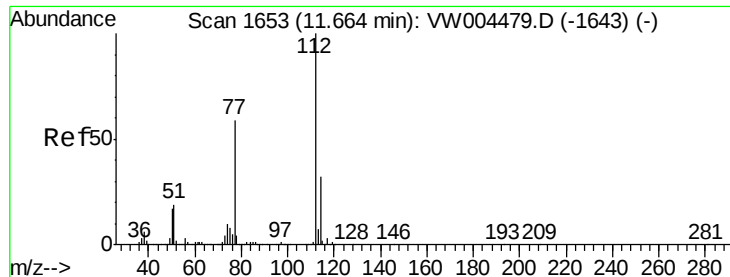
#64
Tetrachloroethene
Concen: 50.783 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

Tgt Ion:164 Resp: 365459
Ion Ratio Lower Upper
164 100
166 128.1 98.4 147.6
129 95.5 73.6 110.4
131 91.3 73.1 109.7



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

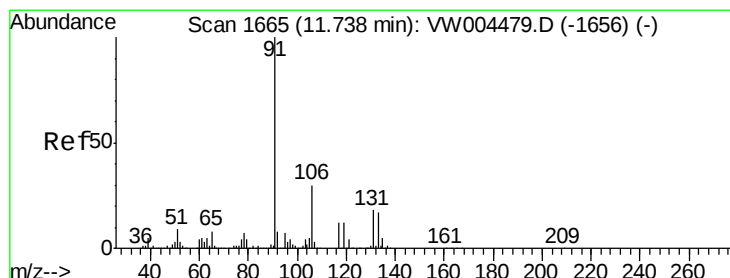
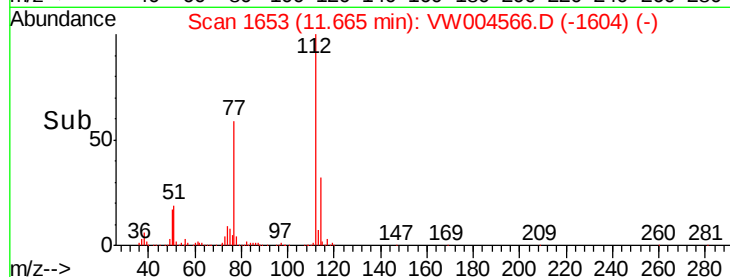
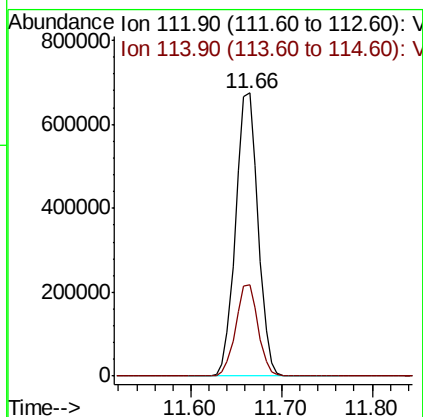
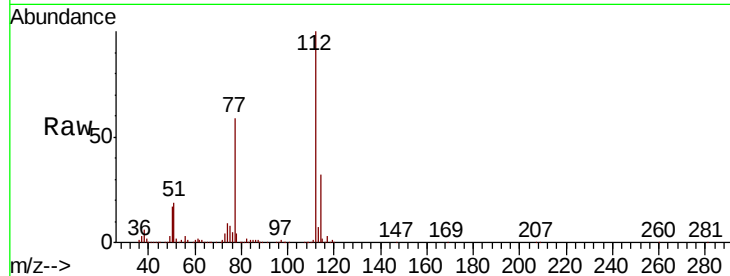




#65
Chlorobenzene
Concen: 50.847 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

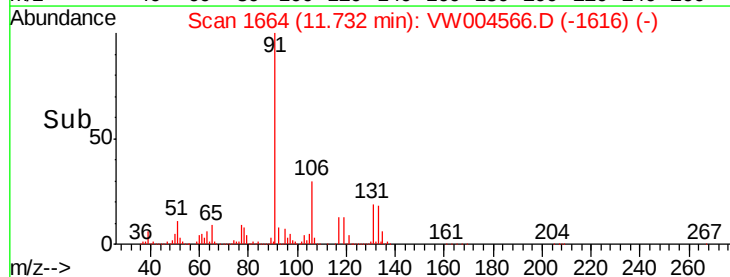
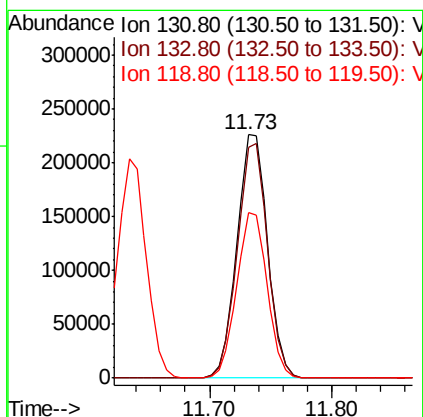
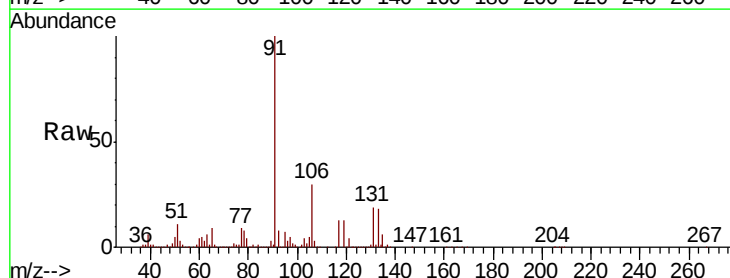
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

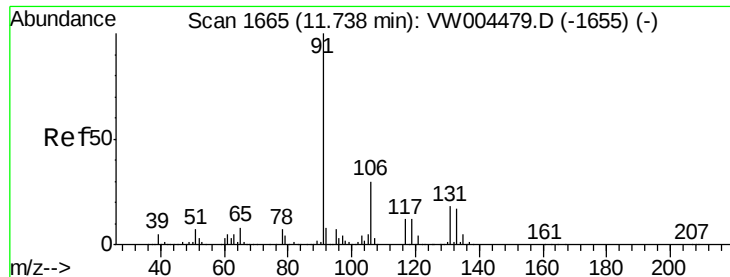
Tgt Ion:112 Resp: 1156014
Ion Ratio Lower Upper
112 100
114 32.3 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.443 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

Tgt Ion:131 Resp: 390447
Ion Ratio Lower Upper
131 100
133 95.4 48.1 144.4
119 67.7 33.9 101.7

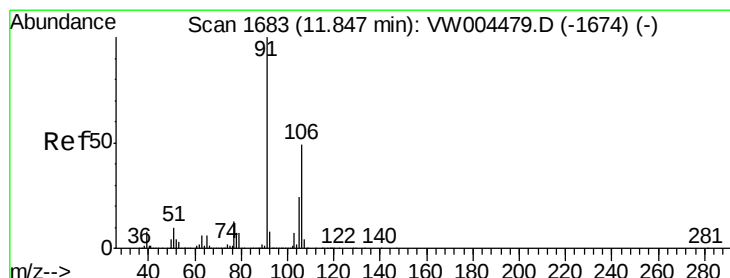
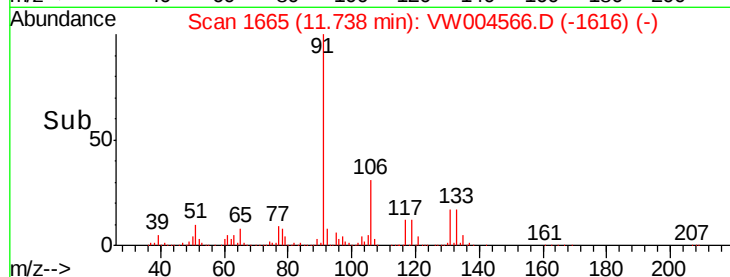
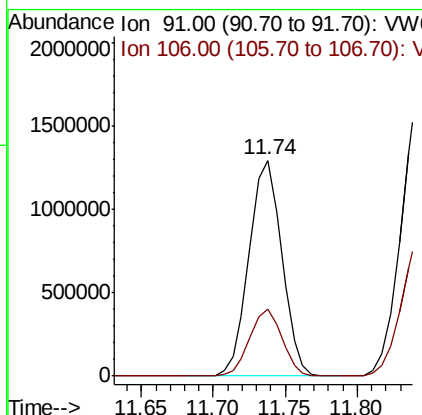
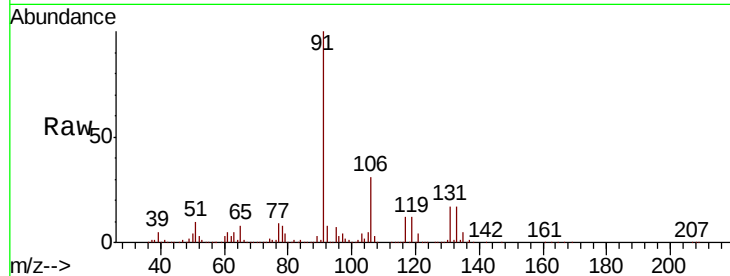




#67
Ethyl Benzene
Concen: 53.019 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

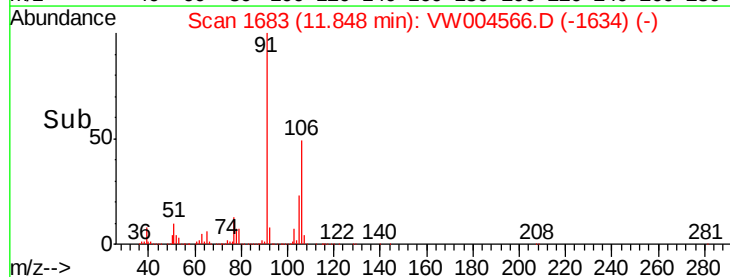
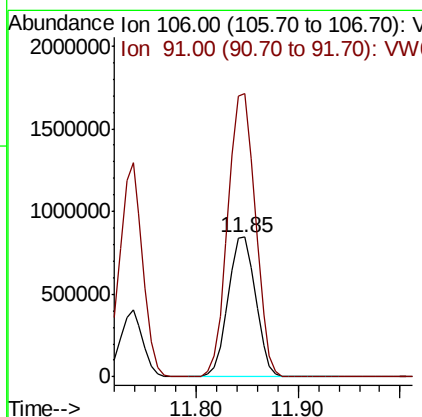
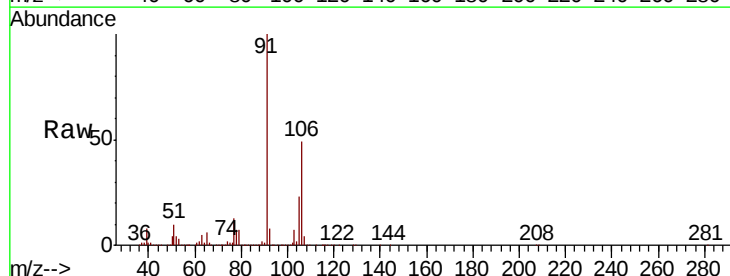
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

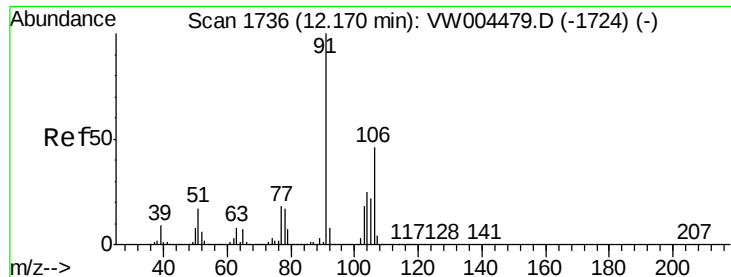
Tgt Ion: 91 Resp: 2043387
Ion Ratio Lower Upper
91 100
106 31.1 24.2 36.2



#68
m/p-Xylenes
Concen: 106.351 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

Tgt Ion: 106 Resp: 1584053
Ion Ratio Lower Upper
106 100
91 202.5 162.8 244.2

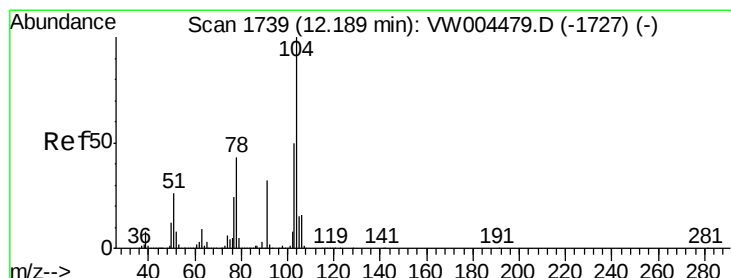
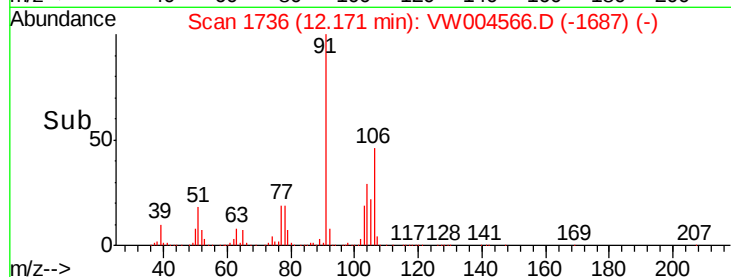
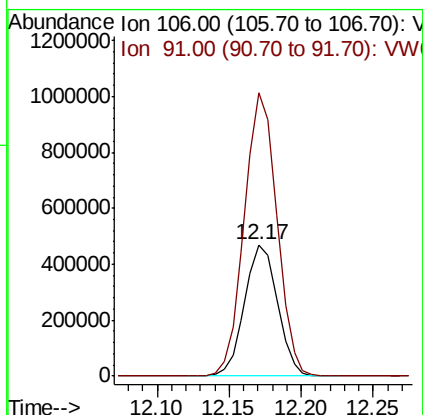
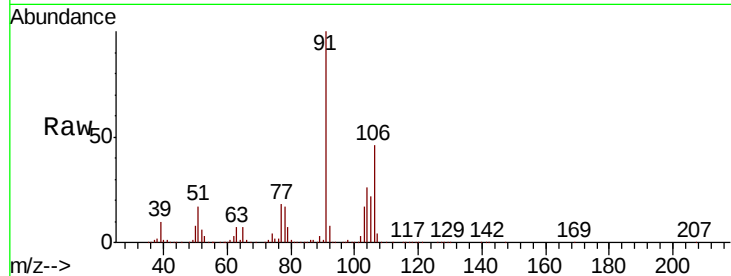




#69
o-Xylene
Concen: 53.783 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

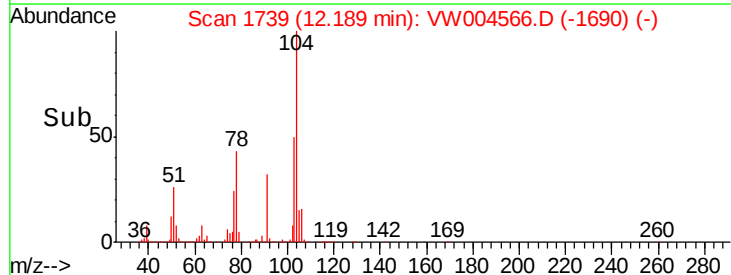
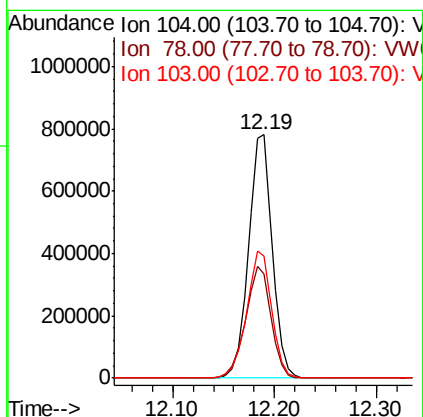
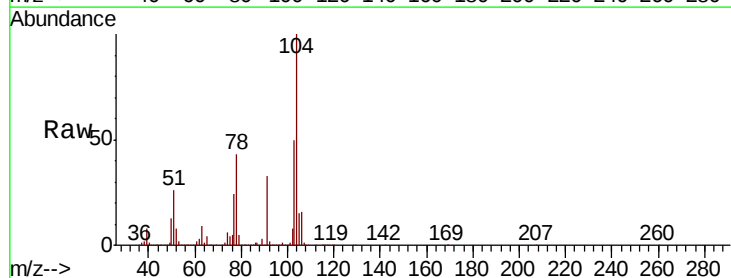
Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

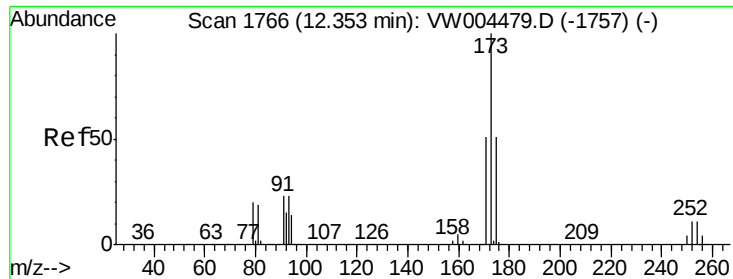
Tgt Ion:106 Resp: 742906
Ion Ratio Lower Upper
106 100
91 213.5 106.7 320.2



#70
Styrene
Concen: 54.430 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

Tgt Ion:104 Resp: 1270308
Ion Ratio Lower Upper
104 100
78 48.8 39.0 58.4
103 55.2 44.2 66.2

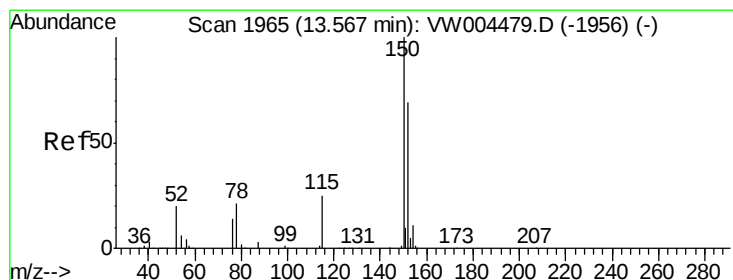
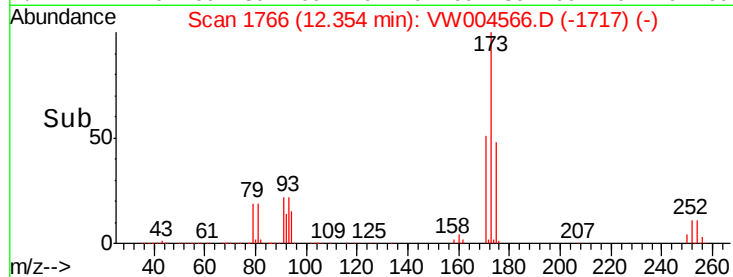
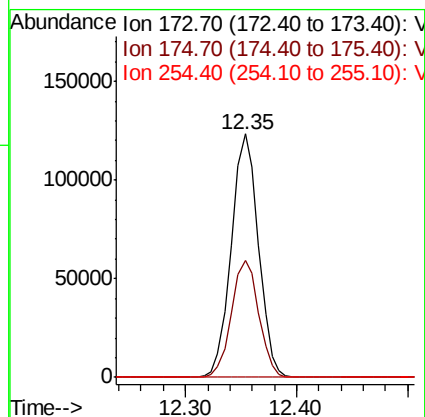
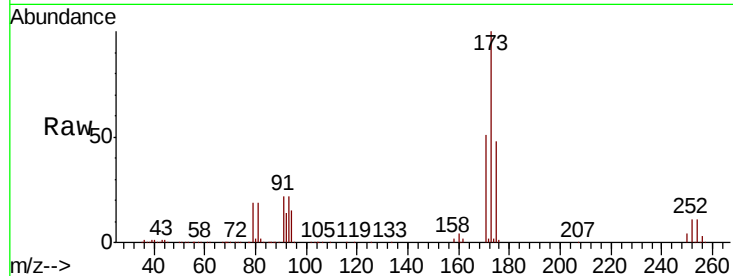




#71
Bromoform
Concen: 48.803 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

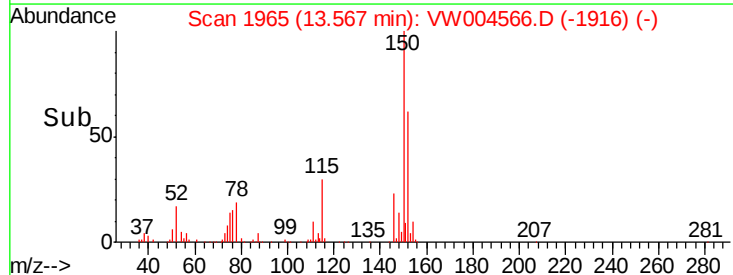
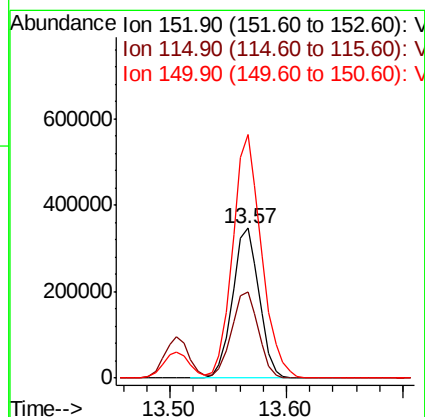
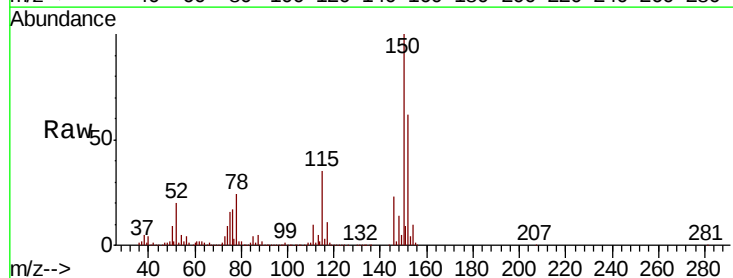
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

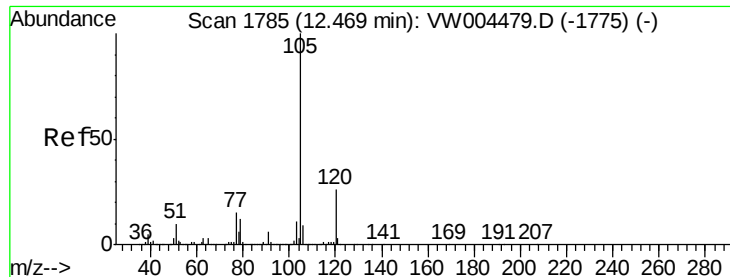
Tgt Ion:173 Resp: 207657
Ion Ratio Lower Upper
173 100
175 48.4 24.5 73.5
254 0.2 0.2 0.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

Tgt Ion:152 Resp: 550785
Ion Ratio Lower Upper
152 100
115 58.4 29.1 87.3
150 175.4 0.0 349.6





#73

Isopropylbenzene

Concen: 53.274 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampled :

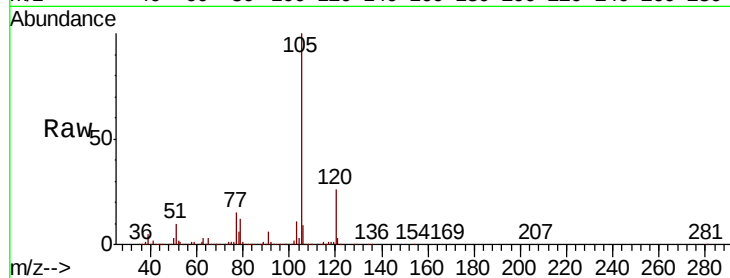
VSTDCCC050

Tgt Ion: 105 Resp: 2029622

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

1500000

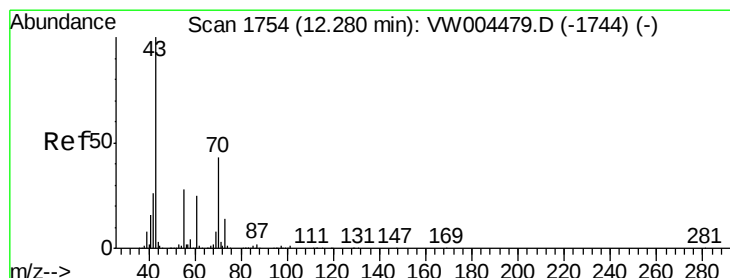
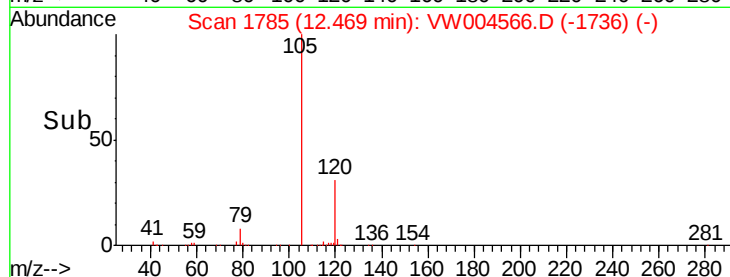
1000000

500000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 47.932 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Tgt Ion: 43 Resp: 442795

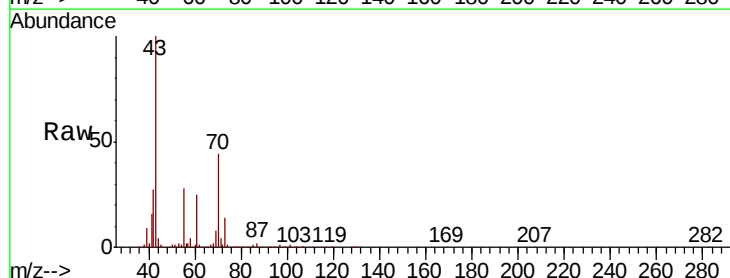
Ion Ratio Lower Upper

43 100

70 43.7 35.3 52.9

55 28.9 22.9 34.3

61 24.6 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

400000

300000

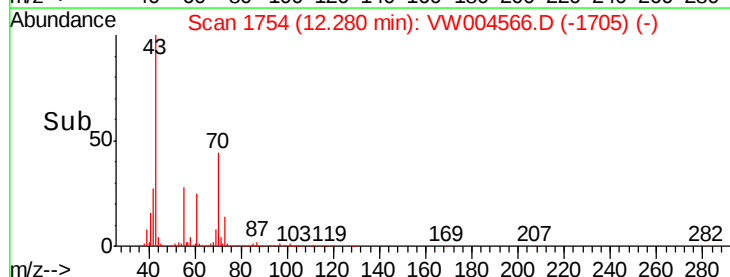
200000

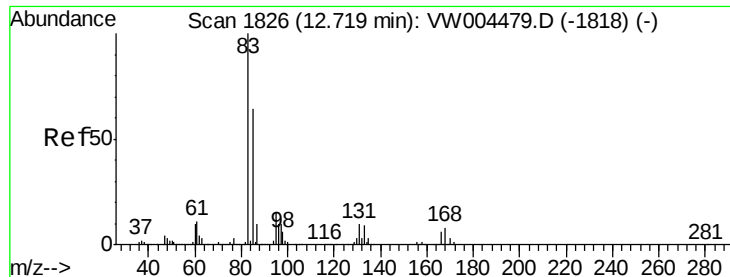
100000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 47.614 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

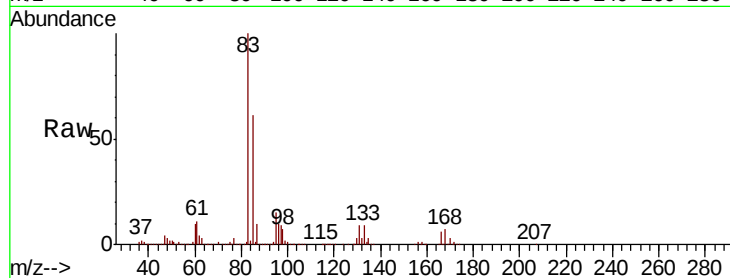
Tgt Ion: 83 Resp: 378668

Ion Ratio Lower Upper

83 100

131 9.8 5.0 15.0

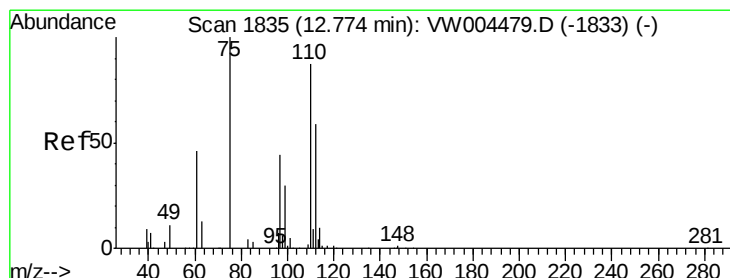
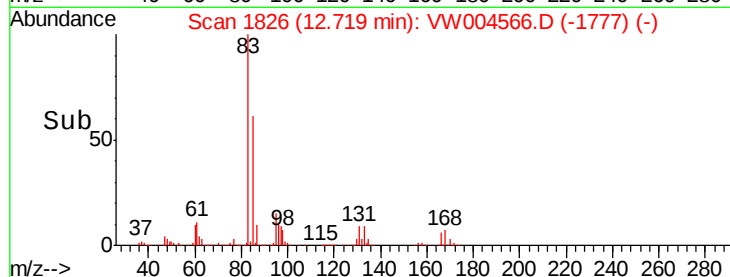
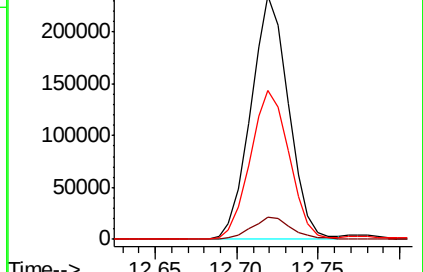
85 63.2 31.8 95.4



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: 84.656 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004566.D

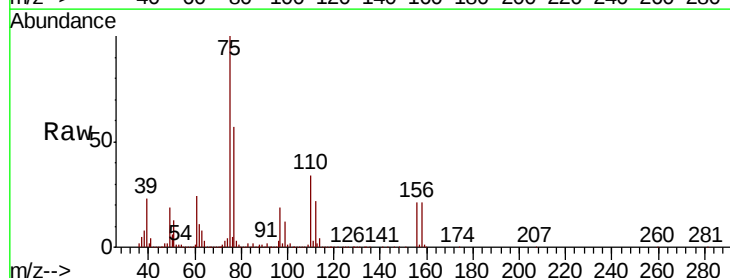
Acq: 09 Aug 2018 22:08

Tgt Ion: 75 Resp: 482491

Ion Ratio Lower Upper

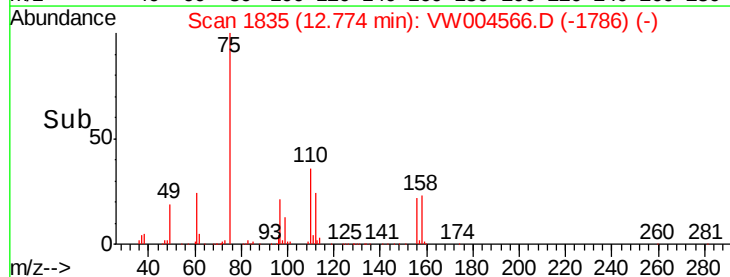
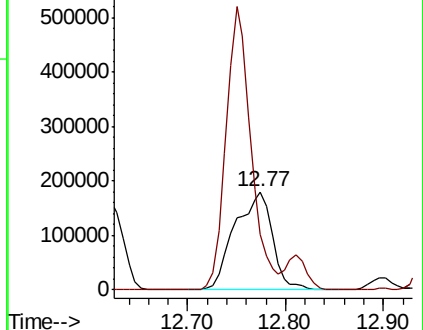
75 100

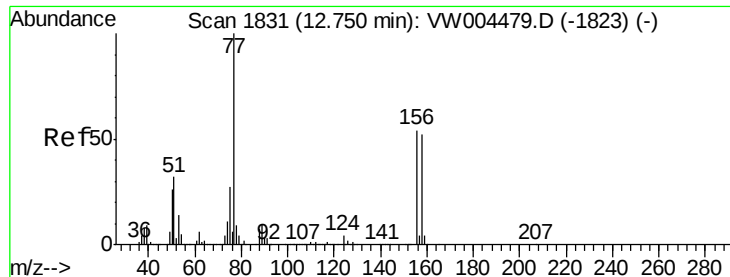
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.390 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

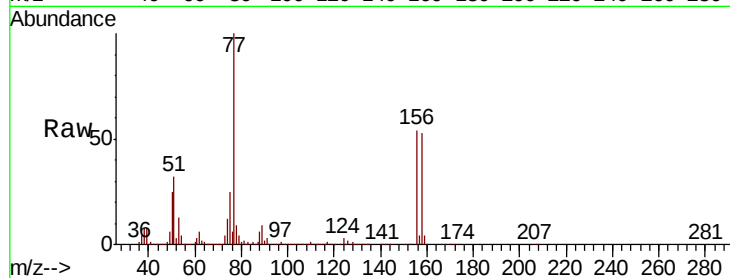
Tgt Ion:156 Resp: 473680

Ion Ratio Lower Upper

156 100

77 195.4 98.7 296.1

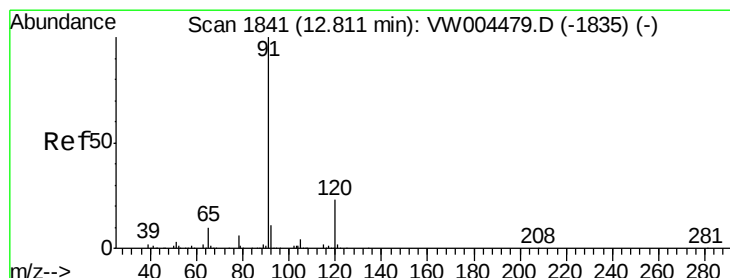
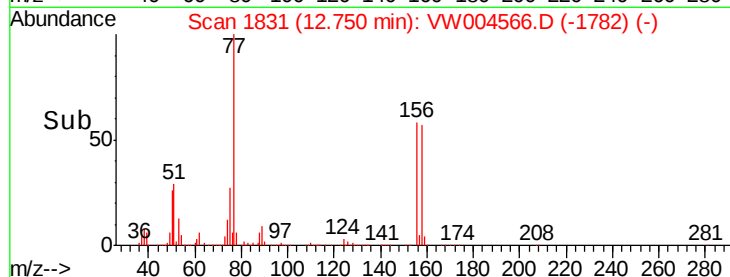
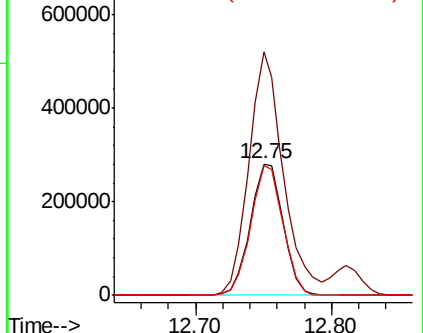
158 97.4 48.7 146.1



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: 53.769 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004566.D

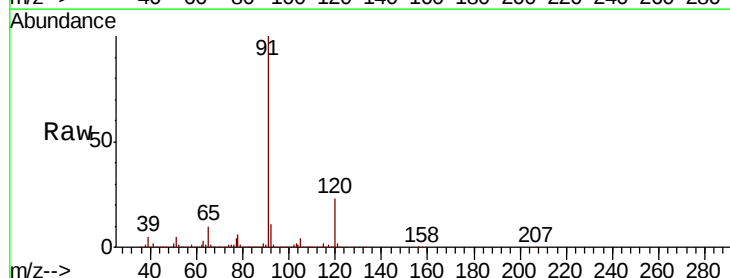
Acq: 09 Aug 2018 22:08

Tgt Ion: 91 Resp: 2527648

Ion Ratio Lower Upper

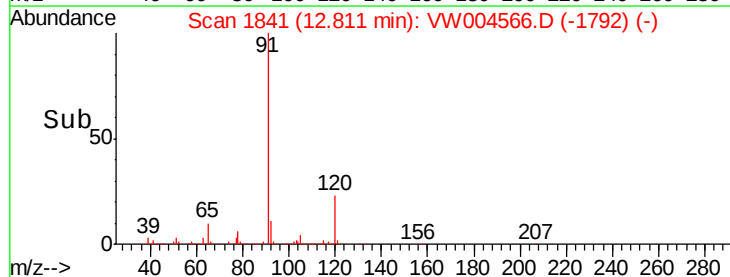
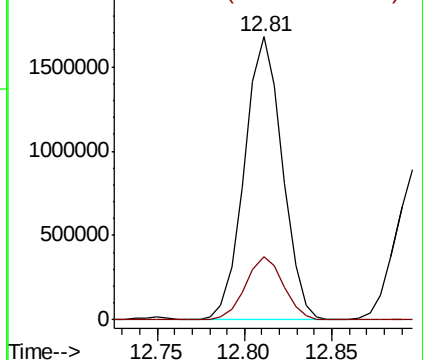
91 100

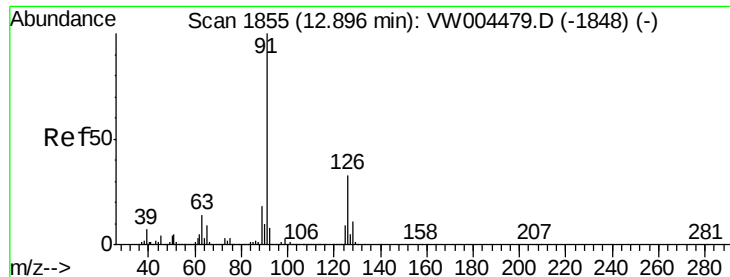
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.903 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampleId :

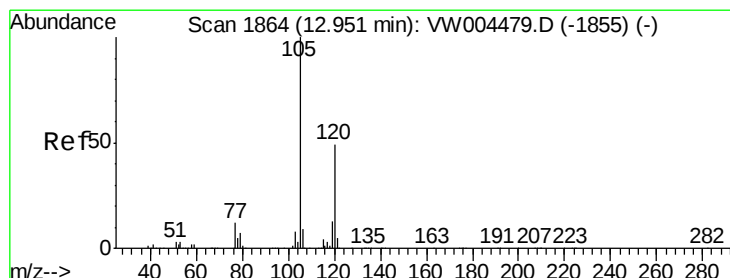
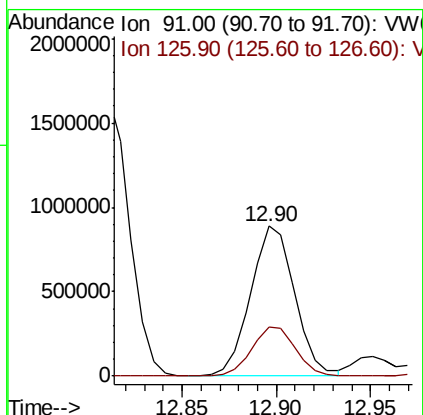
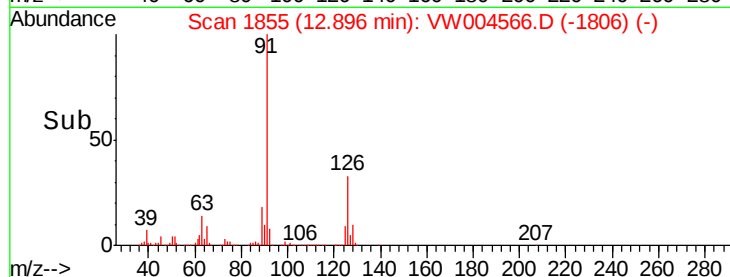
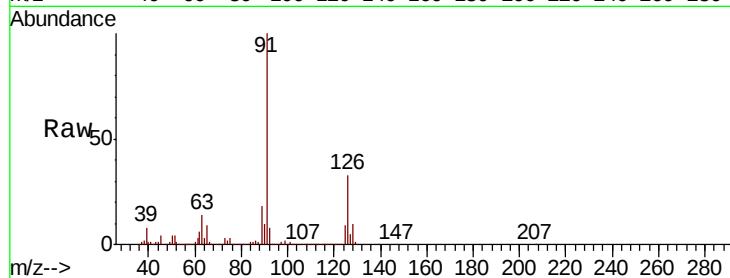
VSTDCCC050

Tgt Ion: 91 Resp: 1439183

Ion Ratio Lower Upper

91 100

126 32.8 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 54.005 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004566.D

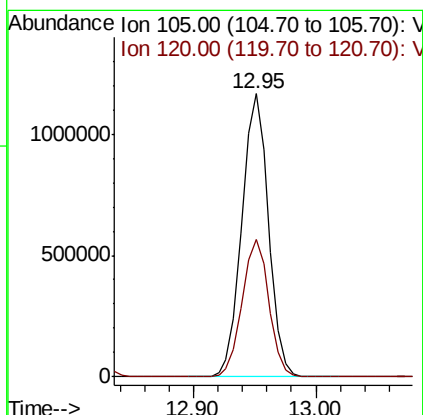
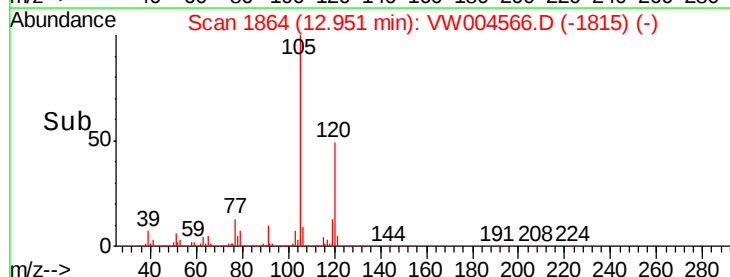
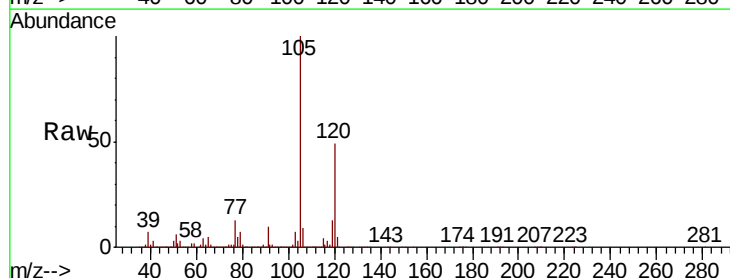
Acq: 09 Aug 2018 22:08

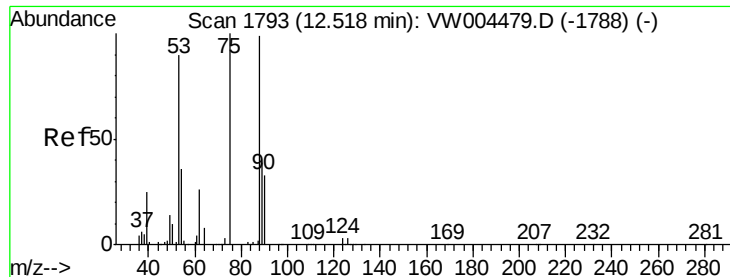
Tgt Ion: 105 Resp: 1755077

Ion Ratio Lower Upper

105 100

120 48.9 24.6 73.8

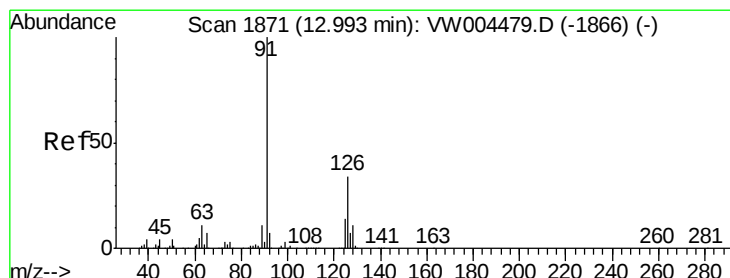
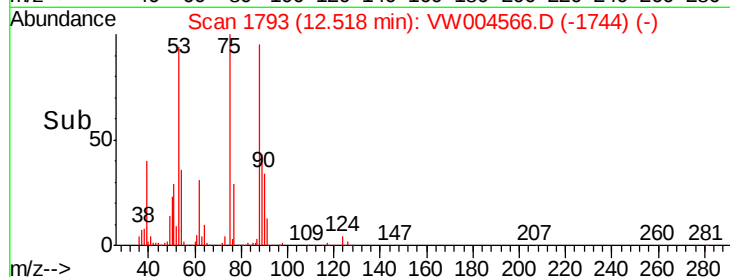
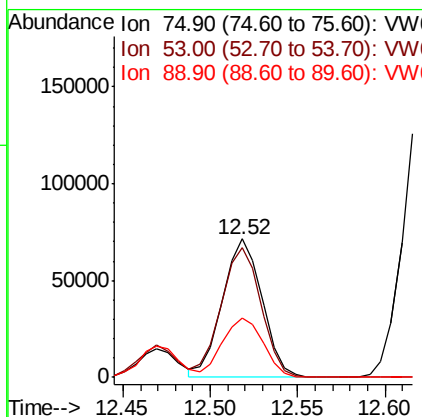
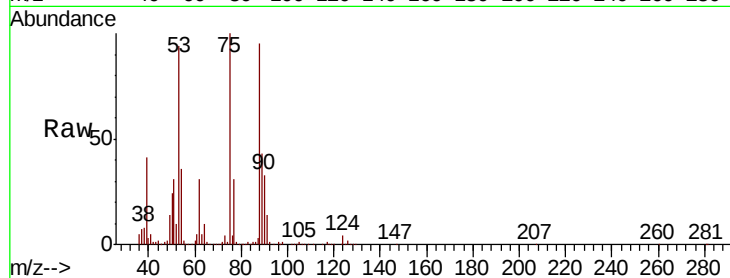




#81
trans-1,4-Dichloro-2-butene
Concen: 47.149 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

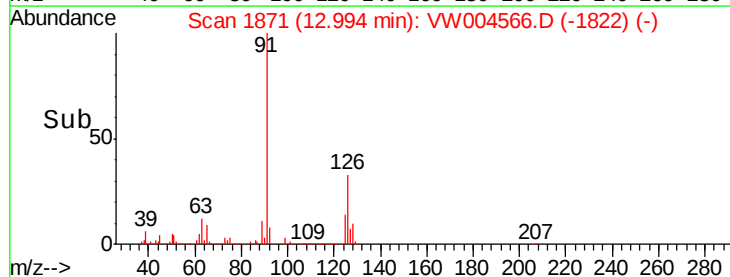
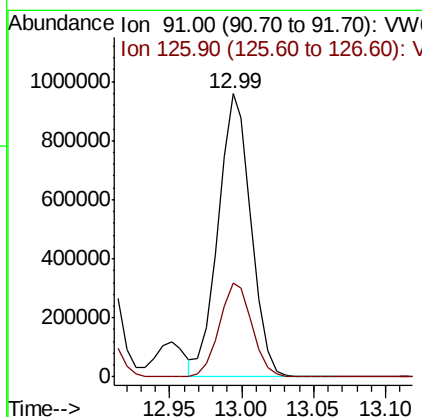
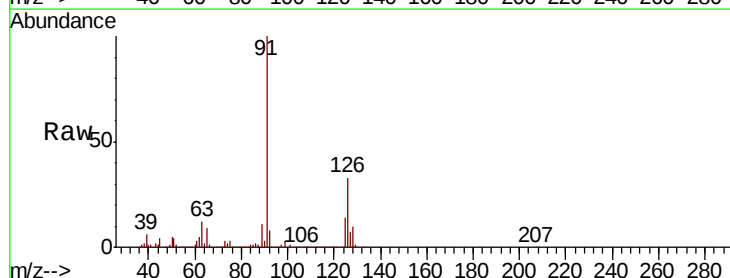
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

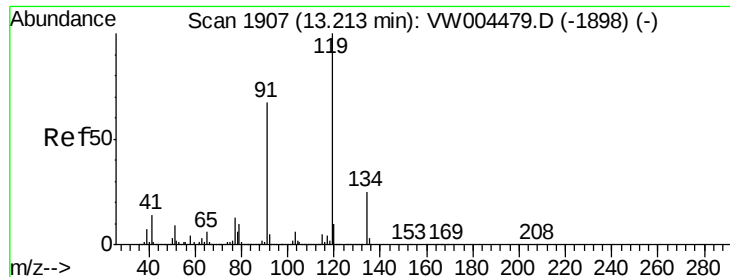
Tgt Ion: 75 Resp: 112255
Ion Ratio Lower Upper
75 100
53 95.0 74.4 111.6
89 43.9 35.9 53.9



#82
4-Chlorotoluene
Concen: 52.631 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

Tgt Ion: 91 Resp: 1519556
Ion Ratio Lower Upper
91 100
126 33.2 16.5 49.5

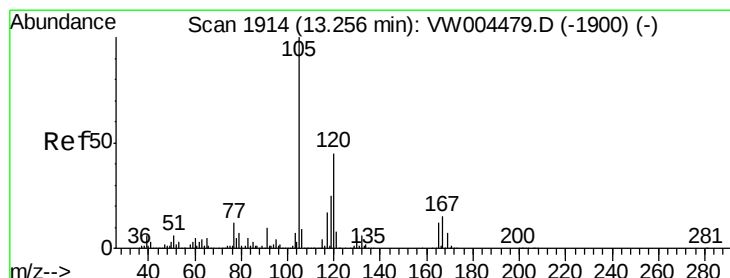
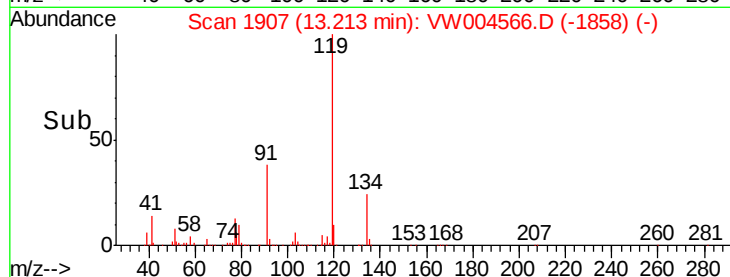
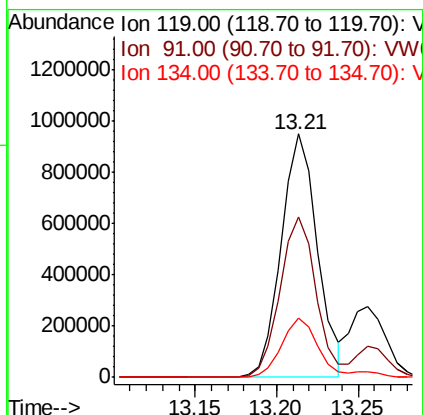
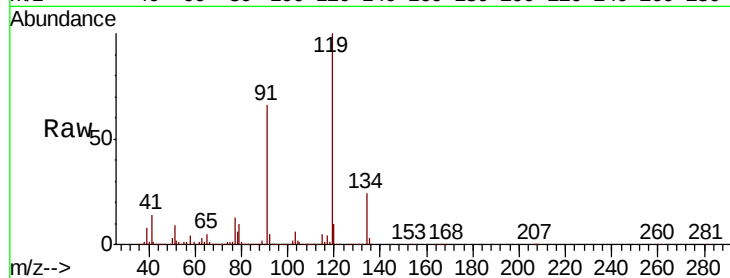




#83
 tert-Butylbenzene
 Concen: 53.723 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW004566.D
 Acq: 09 Aug 2018 22:08

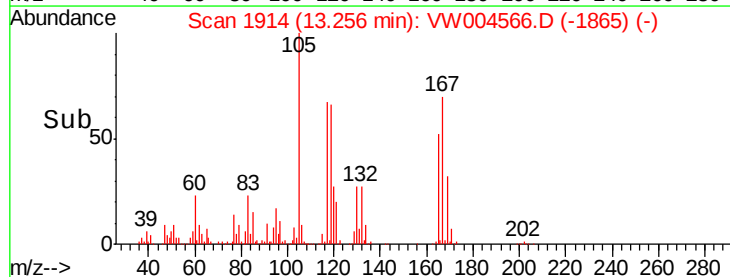
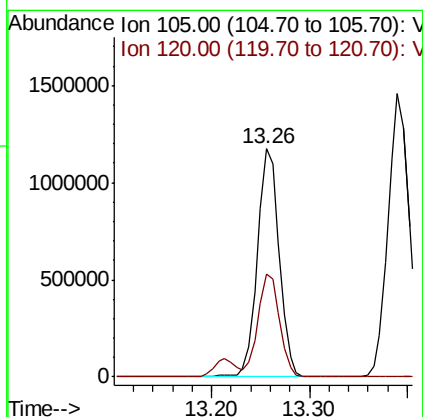
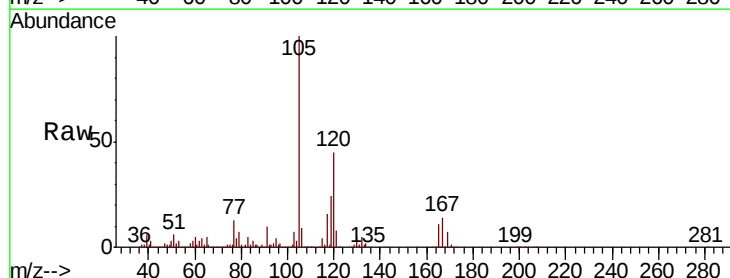
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

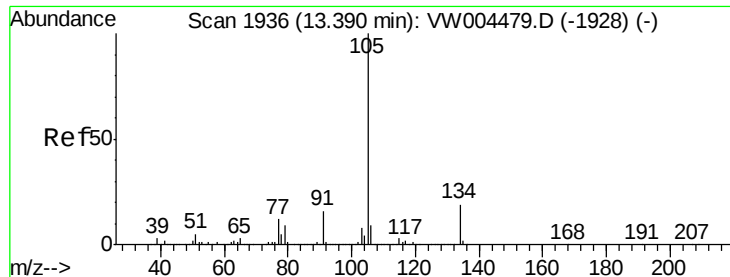
Tgt Ion:119 Resp: 1464463
 Ion Ratio Lower Upper
 119 100
 91 64.9 33.3 99.8
 134 26.0 12.2 36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 53.861 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004566.D
 Acq: 09 Aug 2018 22:08

Tgt Ion:105 Resp: 1812059
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.6 67.8

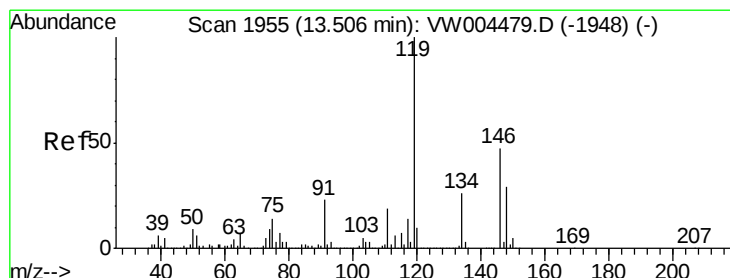
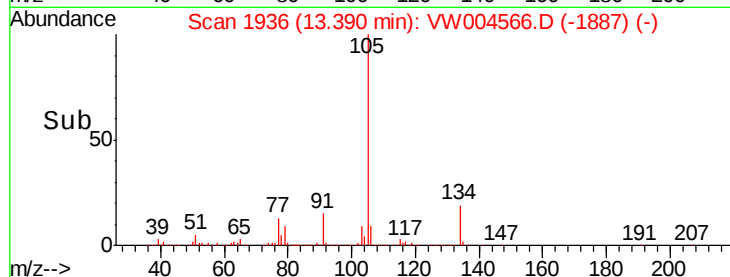
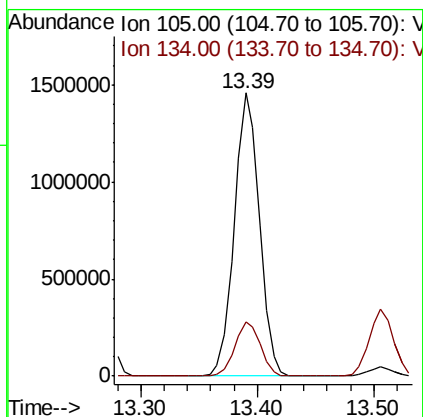
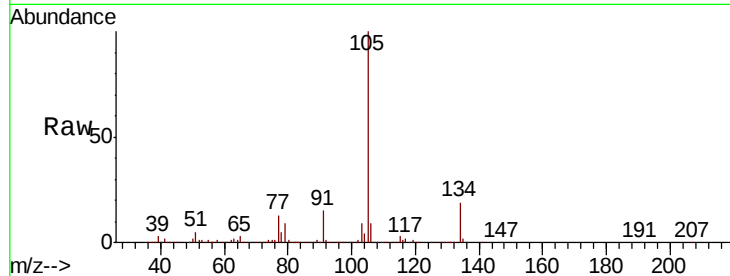




#85
 sec-Butylbenzene
 Concen: 53.140 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004566.D
 Acq: 09 Aug 2018 22:08

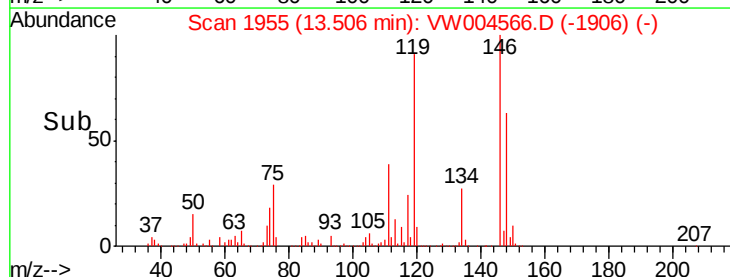
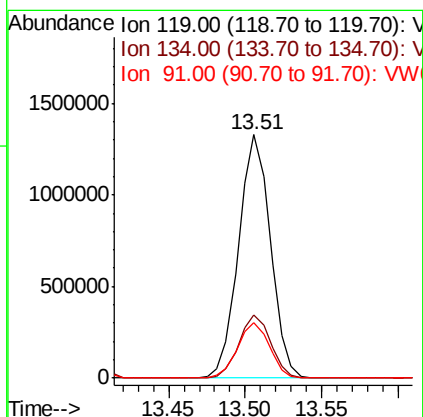
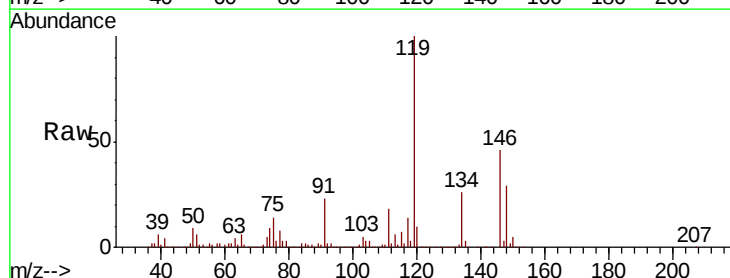
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

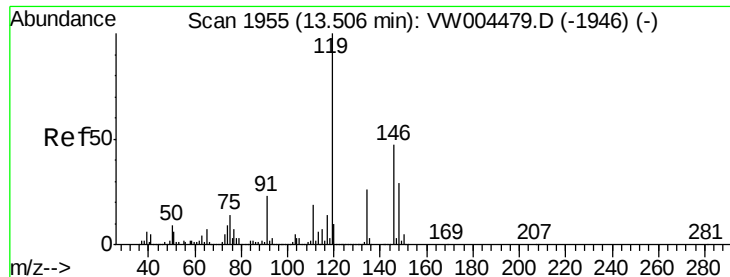
Tgt Ion:105 Resp: 2185309
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 53.772 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004566.D
 Acq: 09 Aug 2018 22:08

Tgt Ion:119 Resp: 1916175
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.1
 91 23.0 11.4 34.1

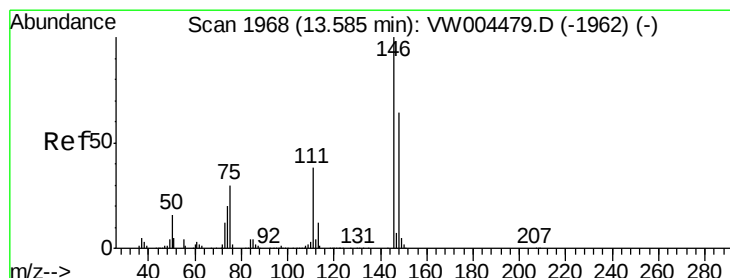
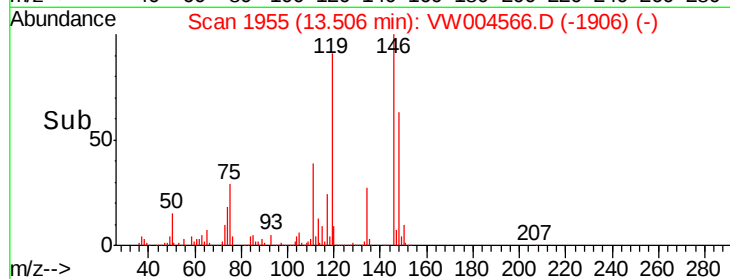
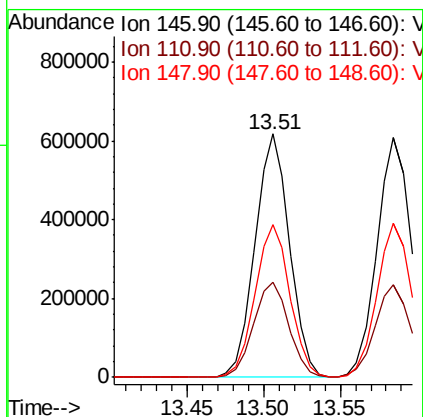
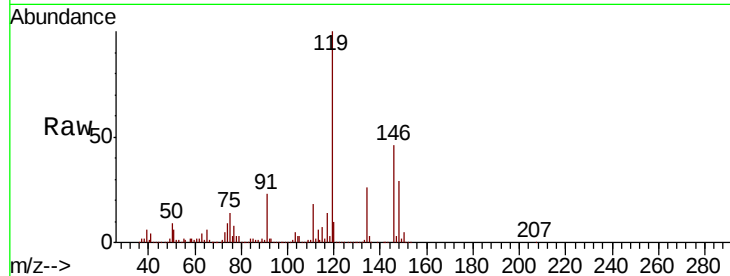




#87
 1,3-Dichlorobenzene
 Concen: 51.012 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004566.D
 Acq: 09 Aug 2018 22:08

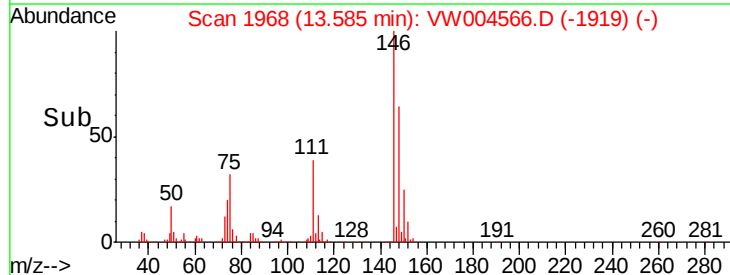
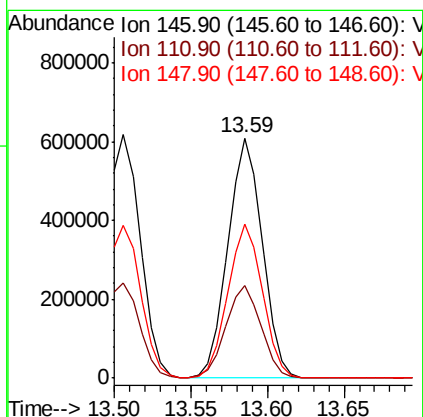
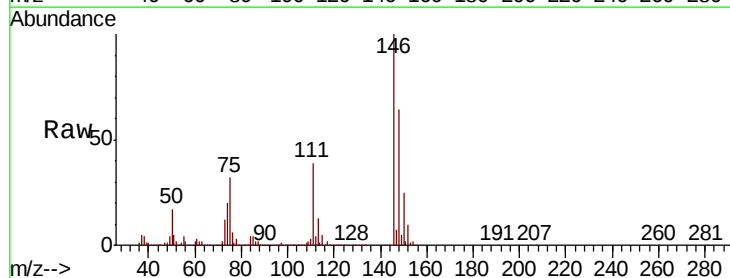
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

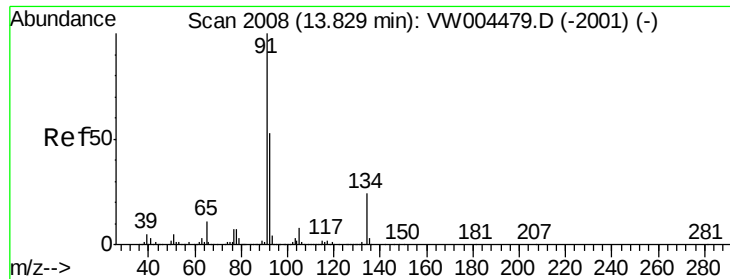
Tgt Ion:146 Resp: 968832
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.0 59.9
 148 63.3 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 50.244 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004566.D
 Acq: 09 Aug 2018 22:08

Tgt Ion:146 Resp: 949947
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.6 58.8
 148 64.2 31.9 95.5





#89

n-Butylbenzene

Concen: 53.360 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

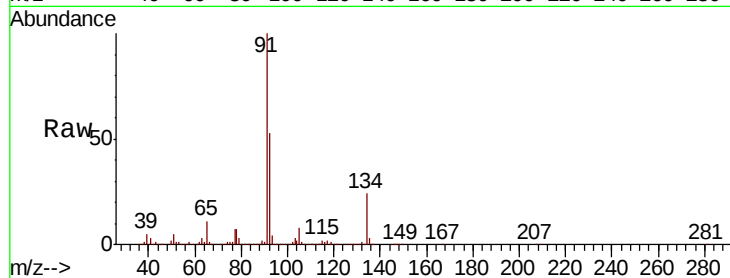
Tgt Ion: 91 Resp: 1868245

Ion Ratio Lower Upper

91 100

92 52.5 26.4 79.0

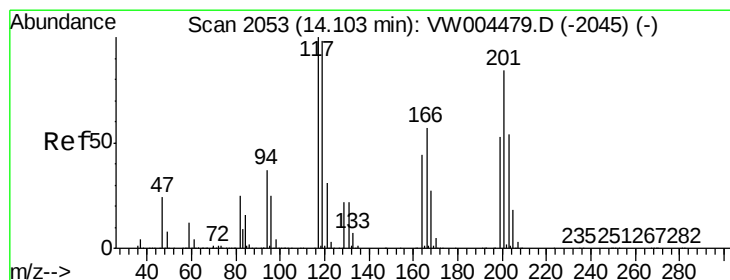
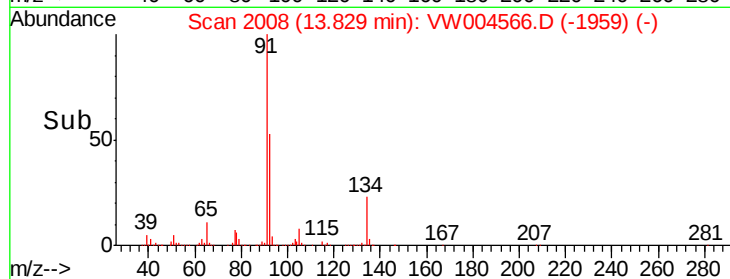
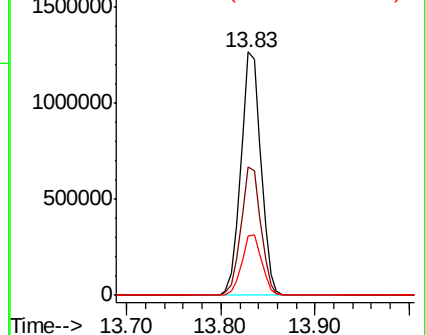
134 24.9 12.4 37.2



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: 50.670 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW004566.D

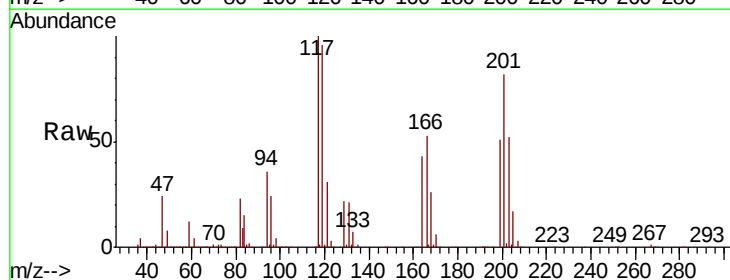
Acq: 09 Aug 2018 22:08

Tgt Ion: 117 Resp: 334069

Ion Ratio Lower Upper

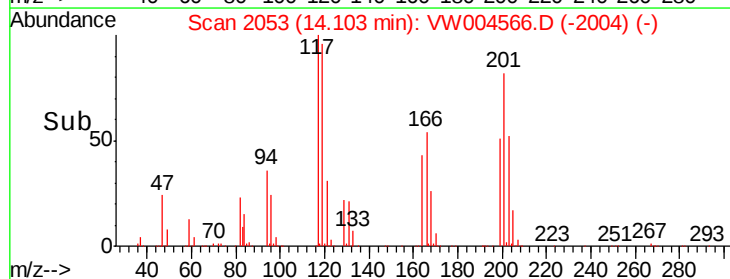
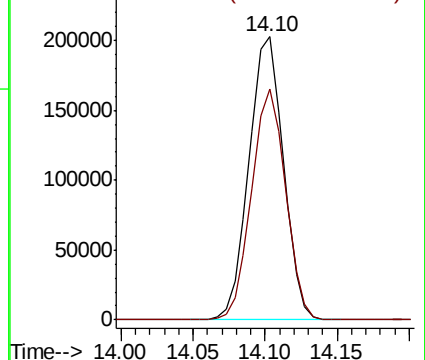
117 100

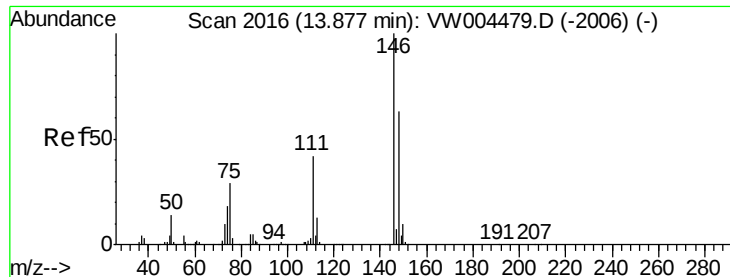
201 80.6 40.1 120.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 50.276 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

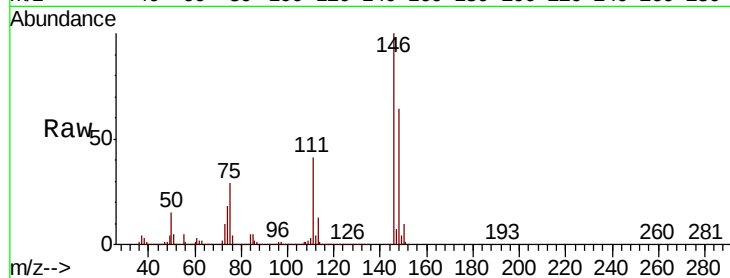
Tgt Ion:146 Resp: 866288

Ion Ratio Lower Upper

146 100

111 41.2 20.8 62.2

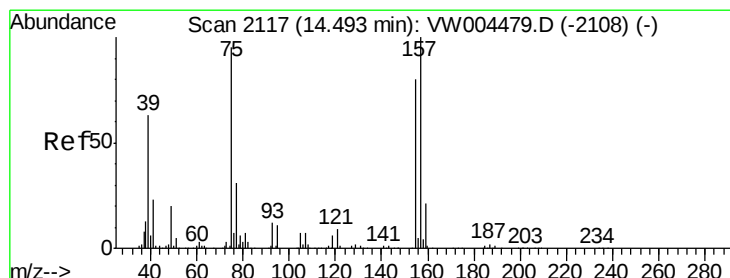
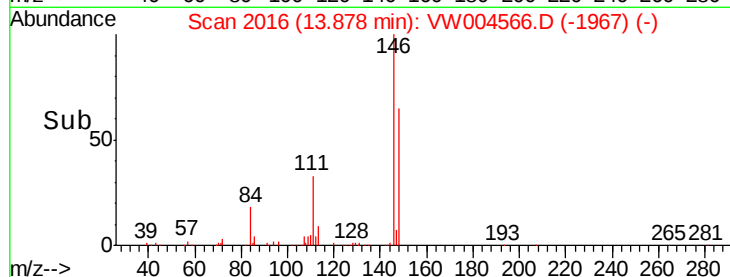
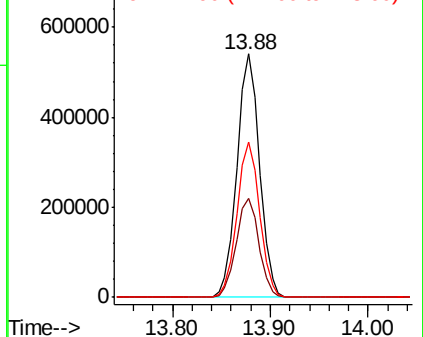
148 63.9 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.778 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW004566.D

Acq: 09 Aug 2018 22:08

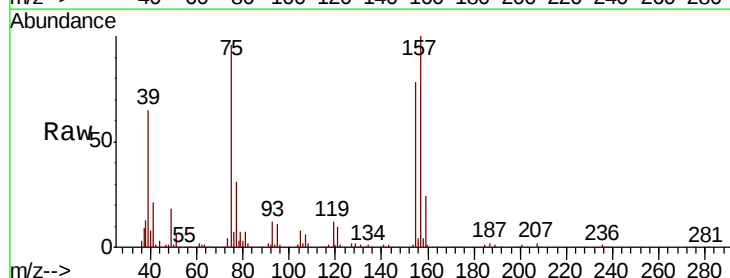
Tgt Ion: 75 Resp: 59489

Ion Ratio Lower Upper

75 100

155 81.4 41.3 123.7

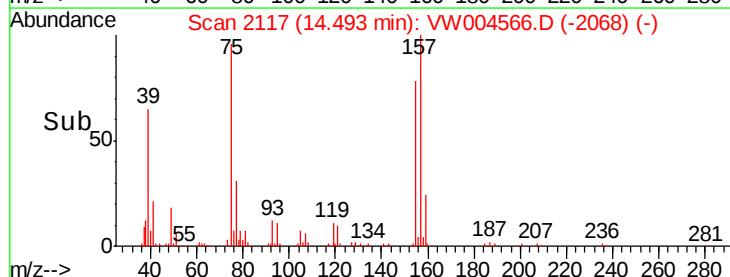
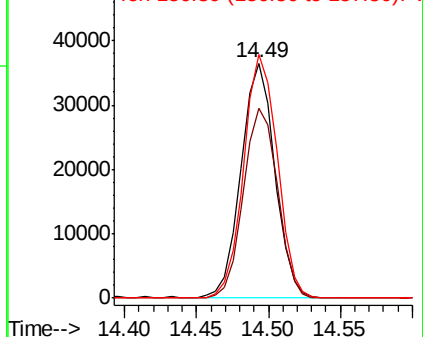
157 102.6 52.6 157.8

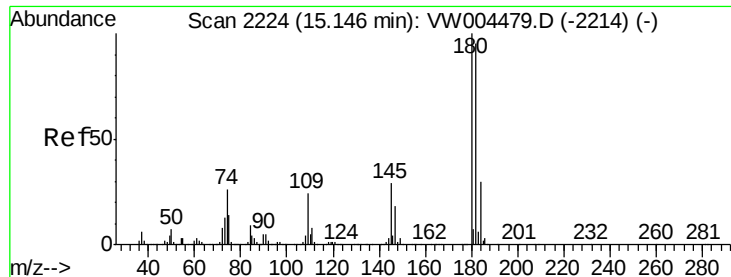


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

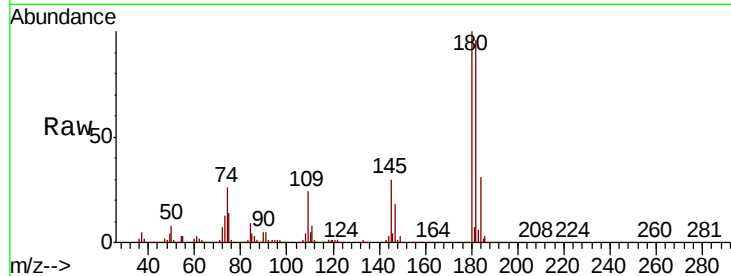




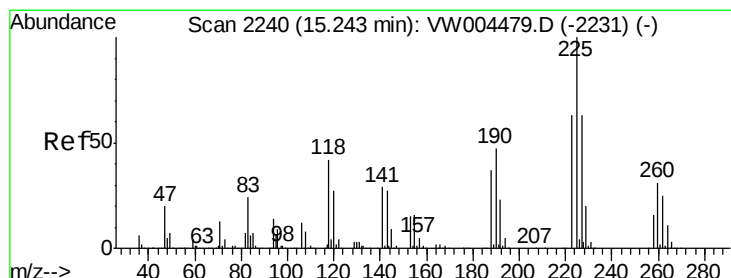
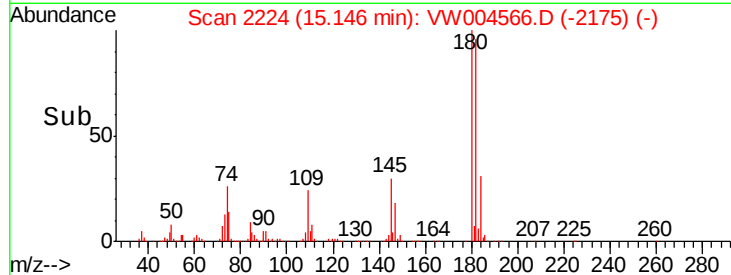
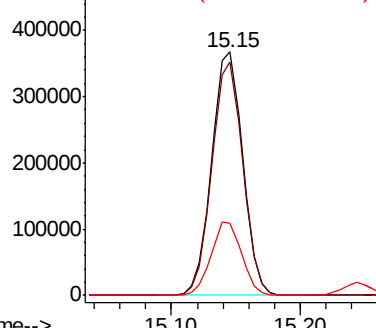
#93
 1,2,4-Trichlorobenzene
 Concen: 51.128 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004566.D
 Acq: 09 Aug 2018 22:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.6
145	29.7	14.9	44.9

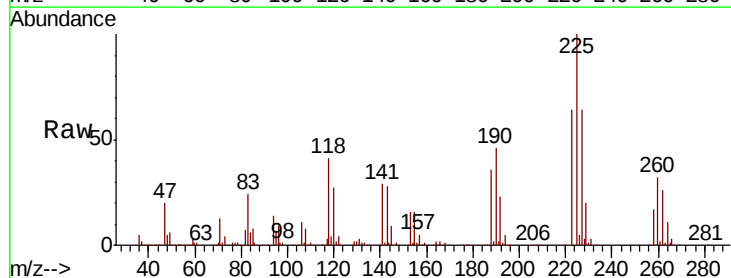


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

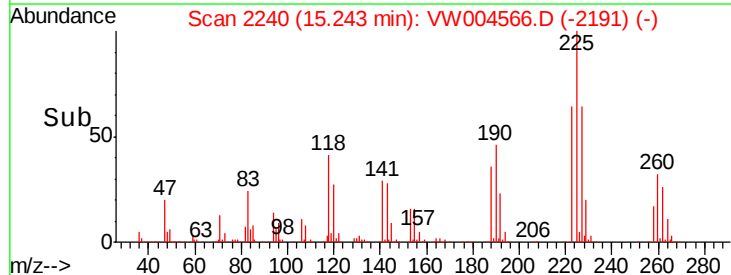
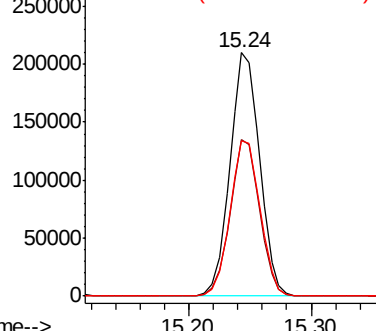


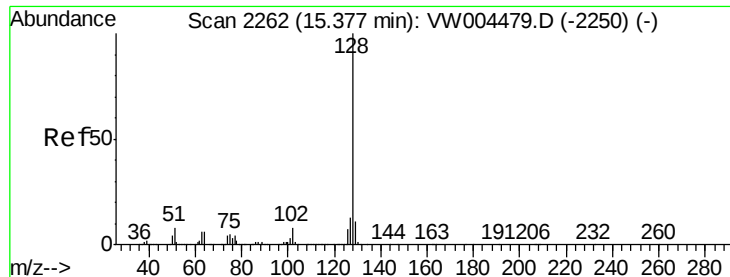
#94
 Hexachlorobutadiene
 Concen: 51.067 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW004566.D
 Acq: 09 Aug 2018 22:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.3	93.8
227	64.9	31.8	95.4



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

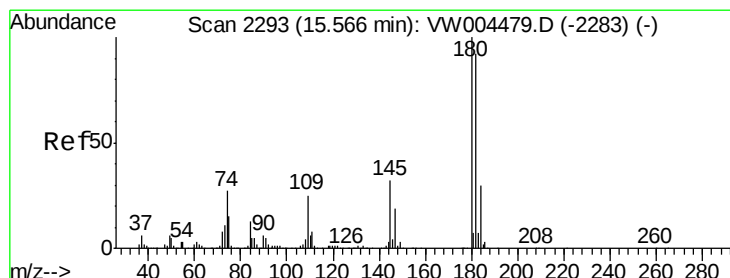
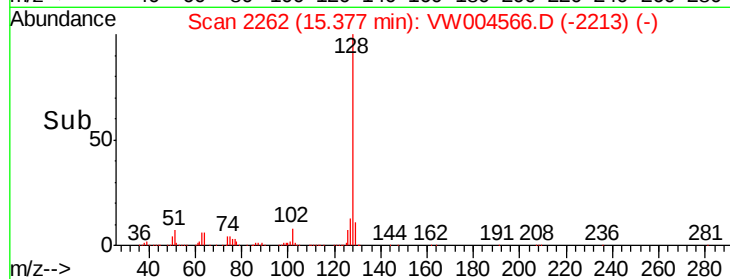
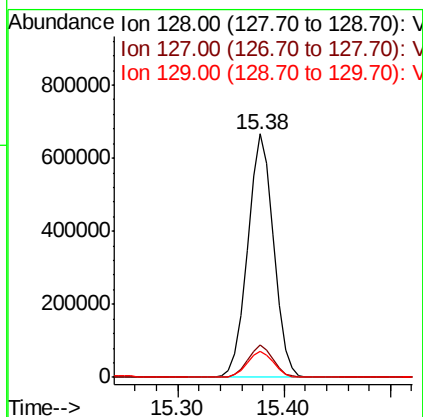
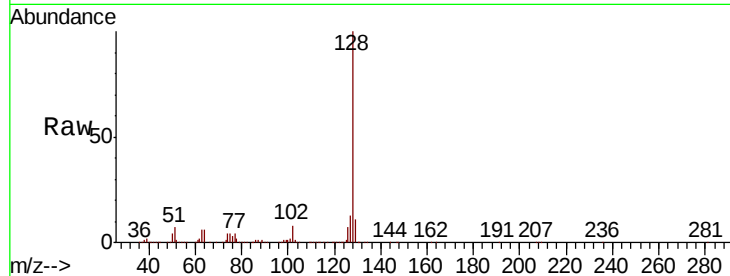




#95
Naphthalene
Concen: 46.354 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 1135653
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 51.423 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004566.D
Acq: 09 Aug 2018 22:08

Tgt Ion:180 Resp: 551273
Ion Ratio Lower Upper
180 100
182 94.9 47.0 141.2
145 31.9 15.9 47.6

