

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092118\
 Data File : VW005543.D
 Acq On : 20 Sep 2018 21:28
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 04:39:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 04:37:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	228507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	340377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	314111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	177511	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	52531	21.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.82%	
35) Dibromofluoromethane	7.89	113	41235	20.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.86%	
50) Toluene-d8	10.33	98	173813	19.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.56%	
62) 4-Bromofluorobenzene	12.62	95	64449	20.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	29969	14.245	ug/l	95
3) Chloromethane	2.21	50	36713	14.341	ug/l	97
4) Vinyl Chloride	2.37	62	45003	18.135	ug/l	99
5) Bromomethane	2.78	94	30057	16.494	ug/l	99
6) Chloroethane	2.93	64	28466	19.250	ug/l	95
7) Trichlorofluoromethane	3.26	101	35068	11.278	ug/l	94
8) Diethyl Ether	3.68	74	21715	21.280	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	45111	22.573	ug/l	100
10) Methyl Iodide	4.26	142	66662	30.193	ug/l	98
11) Tert butyl alcohol	5.17	59	14646	86.958	ug/l	99
12) 1,1-Dichloroethene	4.03	96	41567	22.748	ug/l	94
13) Acrolein	3.90	56	12298	111.157	ug/l	99
14) Allyl chloride	4.67	41	70405	20.896	ug/l	98
15) Acrylonitrile	5.37	53	49408	106.783	ug/l	99
16) Acetone	4.12	43	47117	118.147	ug/l	99
17) Carbon Disulfide	4.38	76	130974	20.787	ug/l	99
18) Methyl Acetate	4.67	43	23771	20.467	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	61715	13.538	ug/l	96
20) Methylene Chloride	4.92	84	50798	17.832	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	45236	20.889	ug/l	93
22) Diisopropyl ether	6.32	45	139465	21.170	ug/l	98
23) Vinyl Acetate	6.26	43	393758	104.625	ug/l	100
24) 1,1-Dichloroethane	6.22	63	84774	21.046	ug/l	99
25) 2-Butanone	7.18	43	64724	111.335	ug/l	96
26) 2,2-Dichloropropane	7.17	77	59578	17.266	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	48990	20.789	ug/l	97
28) Bromochloromethane	7.52	49	33152	21.143	ug/l #	97
29) Tetrahydrofuran	7.53	42	40731	109.617	ug/l	99
30) Chloroform	7.68	83	88603	21.191	ug/l	93
31) Cyclohexane	7.96	56	81459	21.180	ug/l #	88
32) 1,1,1-Trichloroethane	7.88	97	77893	20.396	ug/l	100
36) 1,1-Dichloropropene	8.09	75	69685	21.282	ug/l	99
37) Ethyl Acetate	7.26	43	28883	21.522	ug/l	99
38) Carbon Tetrachloride	8.07	117	73916	21.523	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	81689	21.517	ug/l	100
40) Benzene	8.33	78	196500	20.832	ug/l	100
41) Methacrylonitrile	7.49	41	16553	20.591	ug/l	98
42) 1,2-Dichloroethane	8.40	62	62963	21.126	ug/l	98
43) Isopropyl Acetate	8.43	43	55812	21.438	ug/l	99
44) Trichloroethene	9.10	130	50415	20.760	ug/l	93
45) 1,2-Dichloropropane	9.37	63	47974	21.125	ug/l	95
46) Dibromomethane	9.46	93	24151	21.520	ug/l	99
47) Bromodichloromethane	9.65	83	63982	21.104	ug/l	98
48) Methyl methacrylate	9.45	41	26585	20.645	ug/l	98
49) 1,4-Dioxane	9.45	88	7954	435.972	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	142256	106.835	ug/l	99
52) Toluene	10.39	92	123921	19.689	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	63090	20.783	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	72541	21.115	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	34180	20.623	ug/l	98
56) Ethyl methacrylate	10.65	69	41061	19.791	ug/l	99
57) 1,3-Dichloropropane	10.94	76	59838	20.958	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	91866	97.359	ug/l	97
59) 2-Hexanone	10.98	43	98744	109.278	ug/l	99
60) Dibromochloromethane	11.13	129	41542	20.863	ug/l	97
61) 1,2-Dibromoethane	11.24	107	31912	21.396	ug/l	100
64) Tetrachloroethene	10.87	164	45124	19.550	ug/l	96
65) Chlorobenzene	11.66	112	131552	19.636	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.74	131	47336	21.619	ug/l	98
67) Ethyl Benzene	11.74	91	238082	20.202	ug/l	96
68) m/p-Xylenes	11.85	106	181127	40.025	ug/l	98
69) o-Xylene	12.17	106	84337	20.019	ug/l	98
70) Styrene	12.19	104	143209	20.516	ug/l	99
71) Bromoform	12.35	173	25405	21.963	ug/l #	97
73) Isopropylbenzene	12.47	105	240392	19.222	ug/l	100
74) N-amyl acetate	12.28	43	53115	20.030	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	39864	21.408	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	57109	38.602	ug/l #	100
77) Bromobenzene	12.76	156	55297	18.762	ug/l	99
78) n-propylbenzene	12.81	91	296113	19.627	ug/l	100
79) 2-Chlorotoluene	12.90	91	170688	19.247	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	215489	19.807	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13067	22.519	ug/l	99
82) 4-Chlorotoluene	12.99	91	181427	19.364	ug/l	100
83) tert-Butylbenzene	13.21	119	177075	19.568	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	216825	19.612	ug/l	98
85) sec-Butylbenzene	13.39	105	258996	19.806	ug/l	100
86) p-Isopropyltoluene	13.51	119	236049	20.174	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	117157	19.574	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	115405	19.607	ug/l	99
89) n-Butylbenzene	13.83	91	221333	20.336	ug/l	98
90) Hexachloroethane	14.10	117	41294	20.432	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	104033	19.924	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7524	21.306	ug/l	95

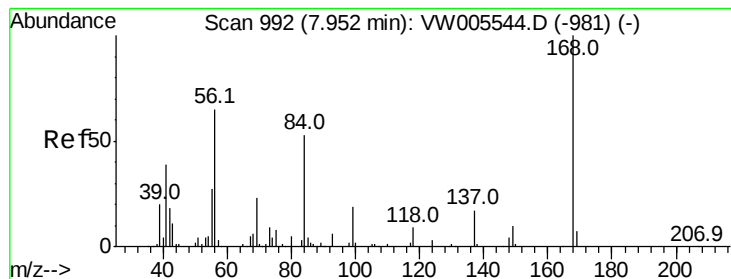
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	73026	20.799	ug/l	98
94) Hexachlorobutadiene	15.25	225	48983	21.472	ug/l	99
95) Naphthalene	15.38	128	120371	20.464	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	65679	21.352	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

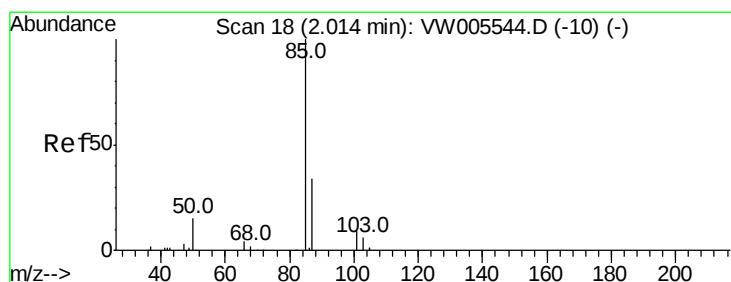
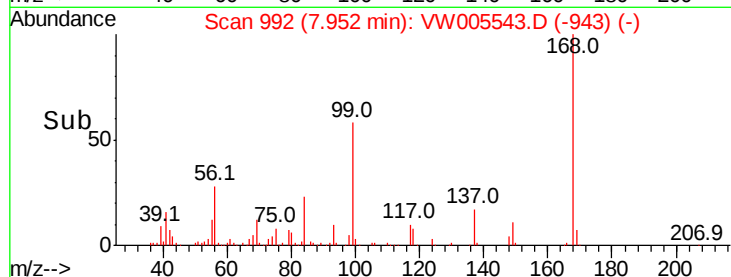
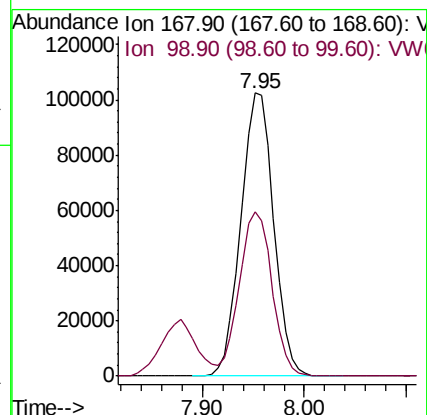
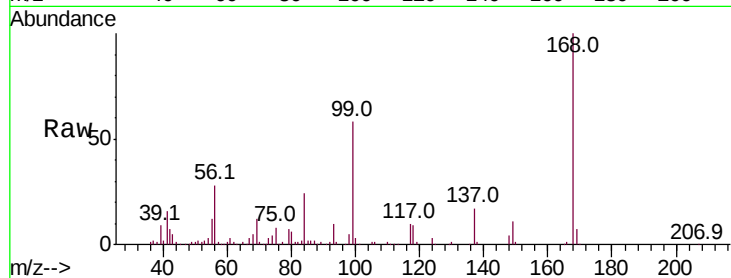
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 228507

Ion Ratio Lower Upper

168 100

99 57.9 48.4 72.6



#2

Dichlorodifluoromethane

Concen: 14.245 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW005543.D

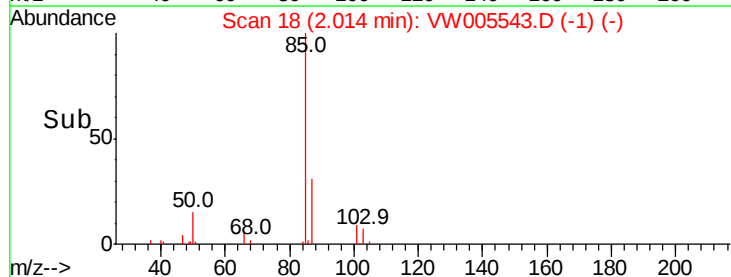
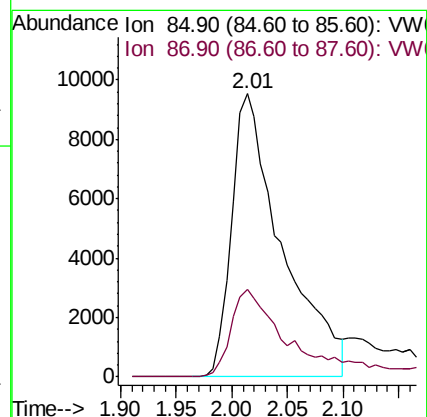
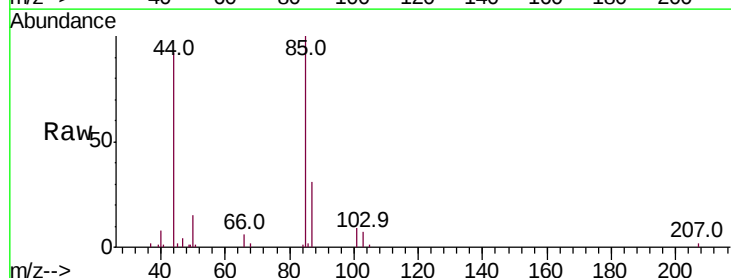
Acq: 20 Sep 2018 21:28

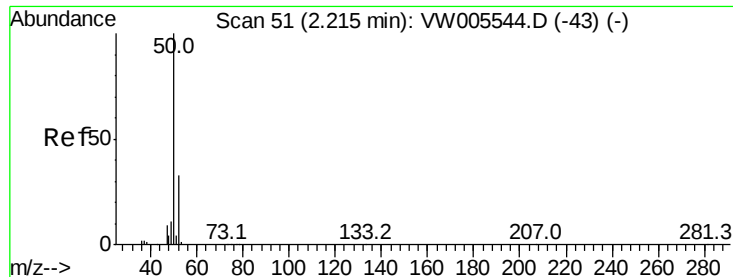
Tgt Ion: 85 Resp: 29969

Ion Ratio Lower Upper

85 100

87 31.0 17.0 50.9





#3

Chloromethane

Concen: 14.341 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

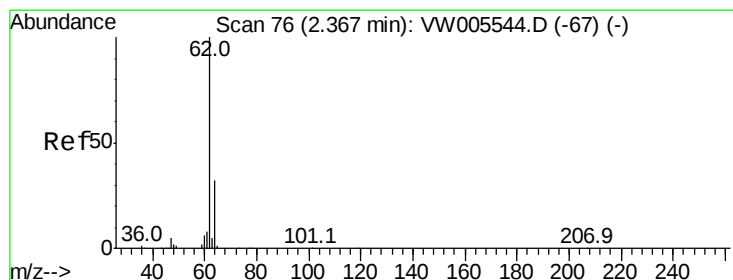
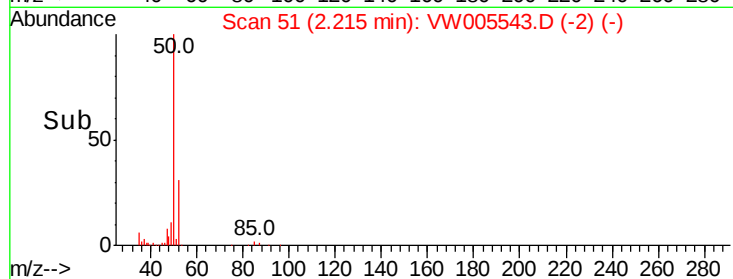
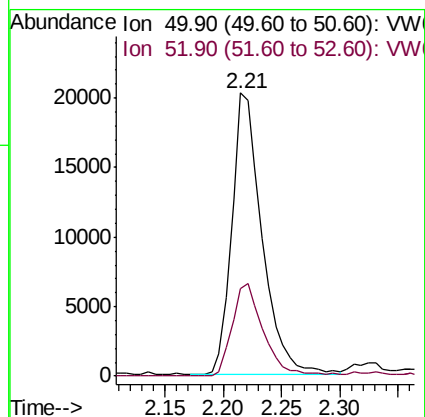
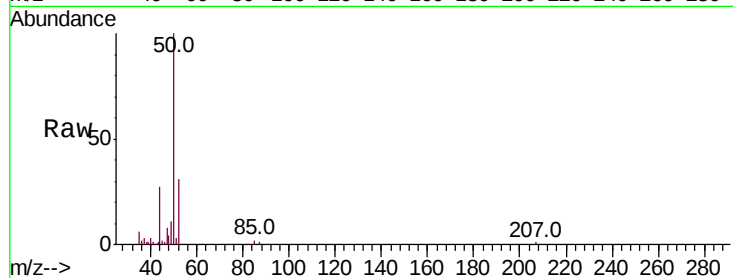
ClientSampled :

Tot Ion: 50 Resp: 36713

Ion Ratio Lower Upper

50 100

52 30.9 26.2 39.4



#4

Vinyl Chloride

Concen: 18.135 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW005543.D

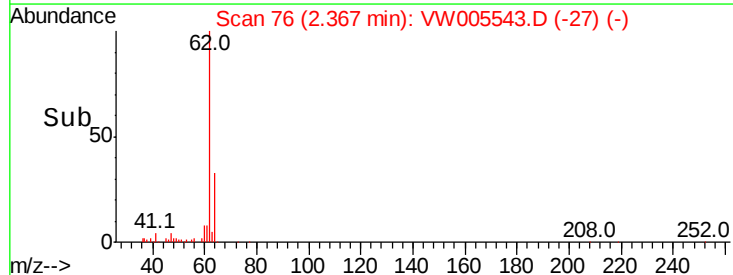
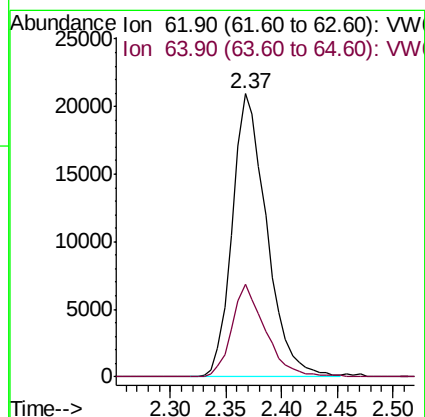
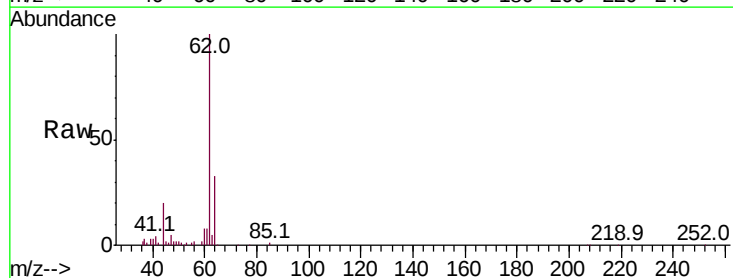
Acq: 20 Sep 2018 21:28

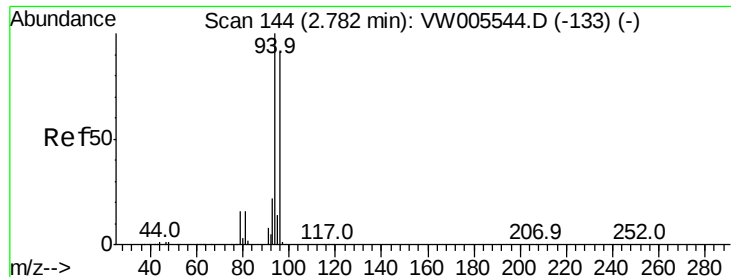
Tgt Ion: 62 Resp: 45003

Ion Ratio Lower Upper

62 100

64 32.7 25.7 38.5





#5

Bromomethane

Concen: 16.494 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

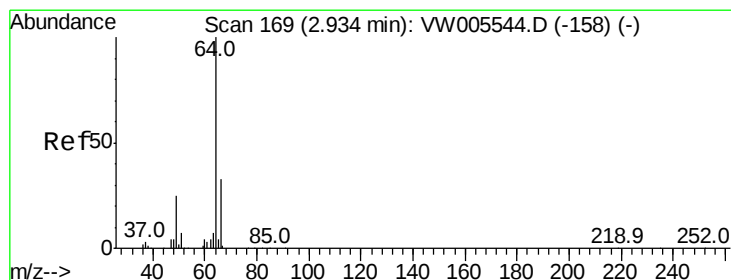
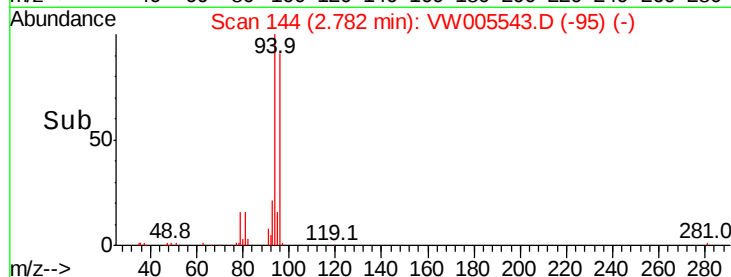
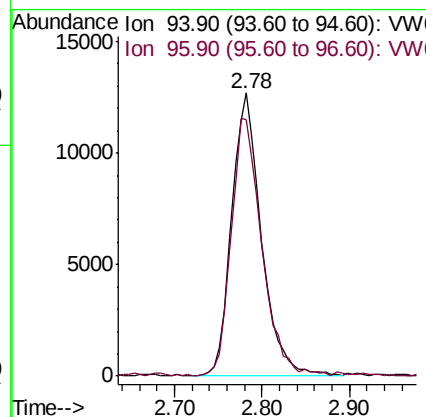
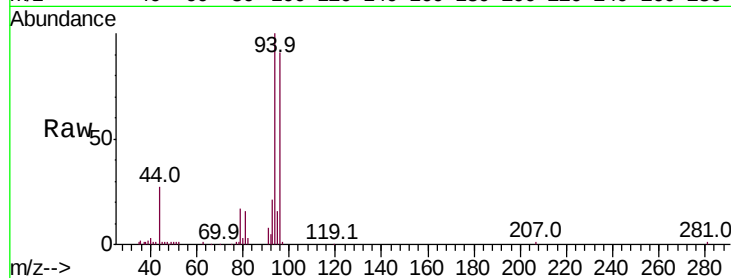
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 94 Resp: 30057

Ion	Ratio	Lower	Upper
94	100		
96	90.6	73.1	109.7



#6

Chloroethane

Concen: 19.250 ug/l

RT: 2.93 min Scan# 168

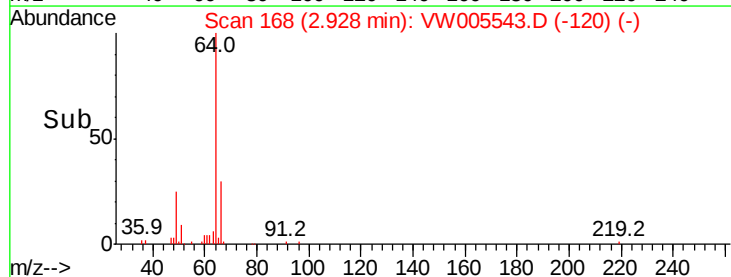
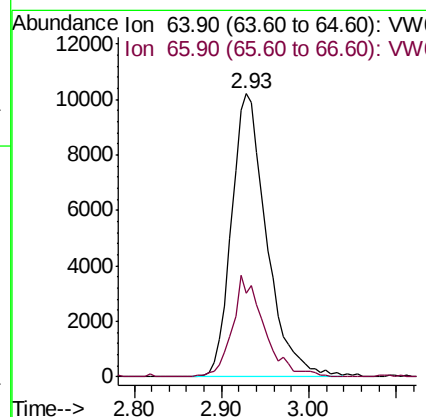
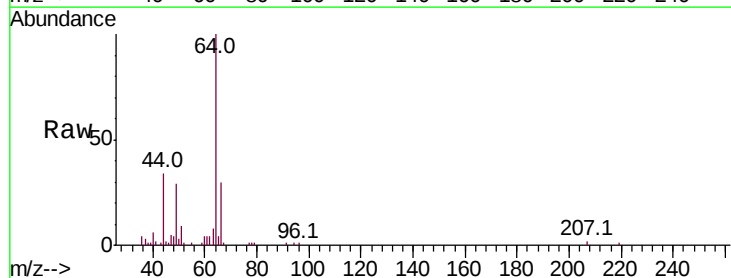
Delta R.T. -0.01 min

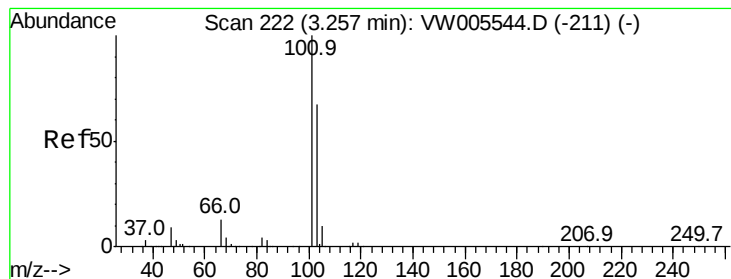
Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Tgt Ion: 64 Resp: 28466

Ion	Ratio	Lower	Upper
64	100		
66	29.7	26.0	39.0



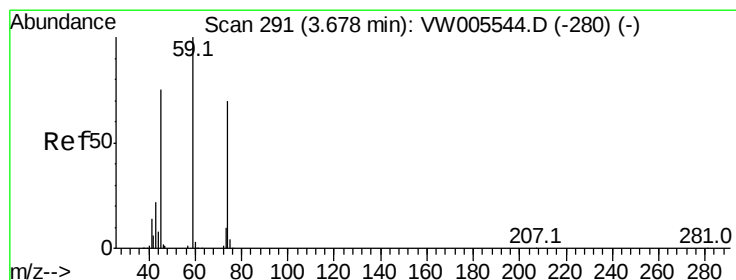
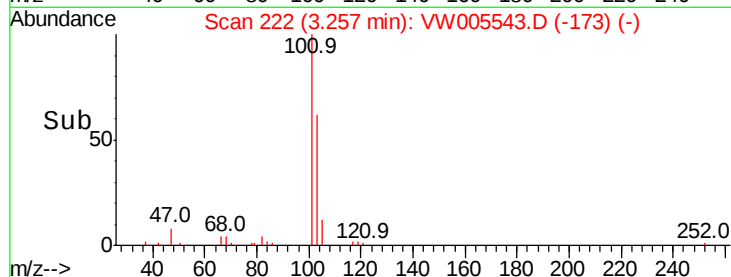
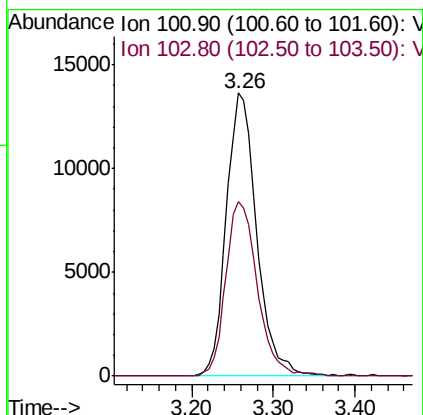
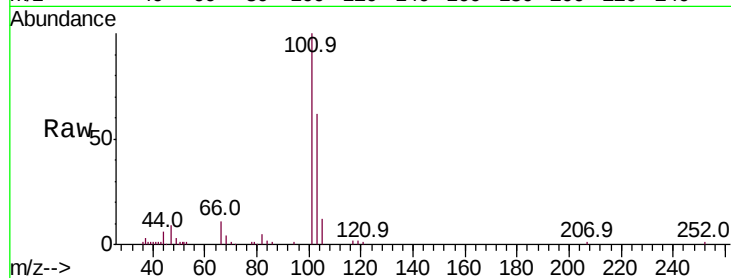


#7

Trichlorofluoromethane
Concen: 11.278 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

Instrument :
MSVOA_W
ClientSampled :

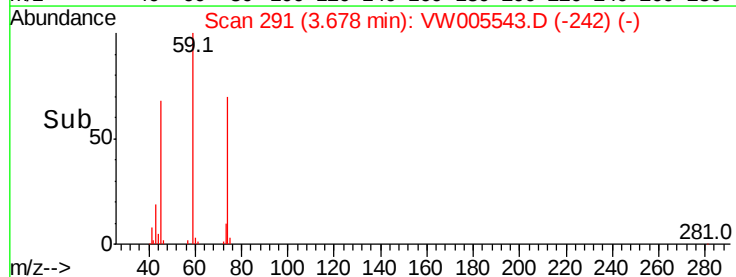
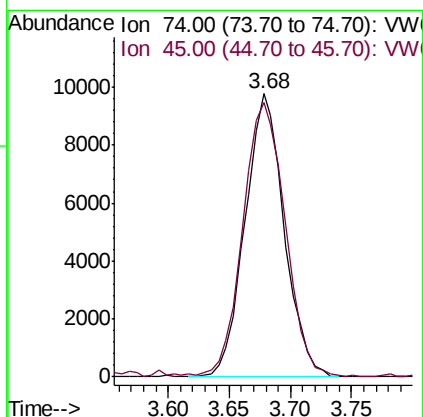
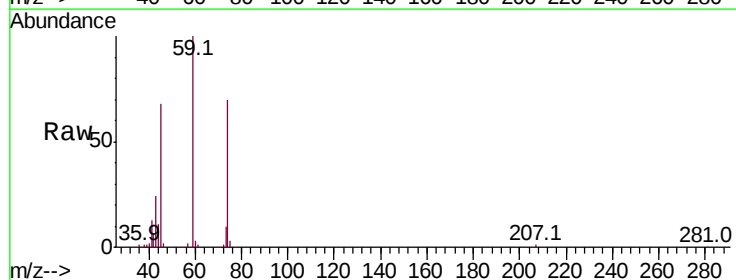
Tot Ion:101 Resp: 35068
Ion Ratio Lower Upper
101 100
103 61.9 53.2 79.8

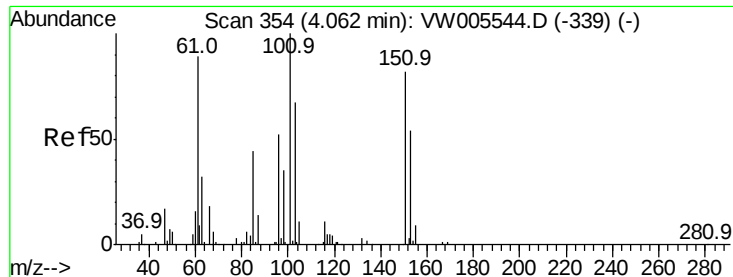


#8

Diethyl Ether
Concen: 21.280 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

Tgt Ion: 74 Resp: 21715
Ion Ratio Lower Upper
74 100
45 104.9 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.573 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

ClientSampleId :

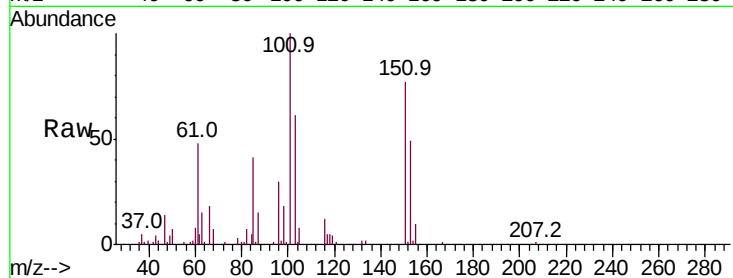
Tot Ion:101 Resp: 45111

Ion Ratio Lower Upper

101 100

85 45.8 36.4 54.6

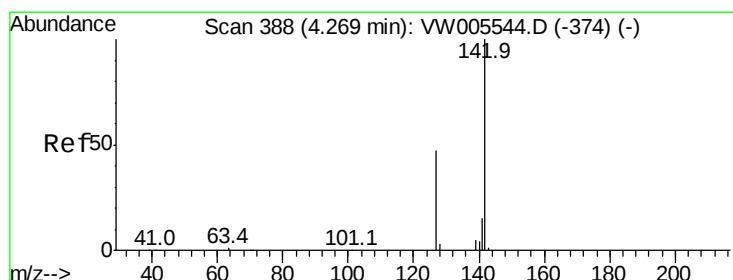
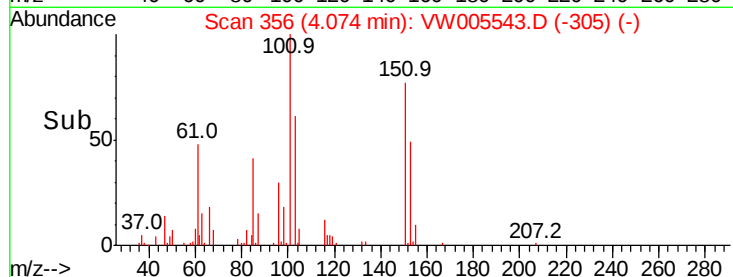
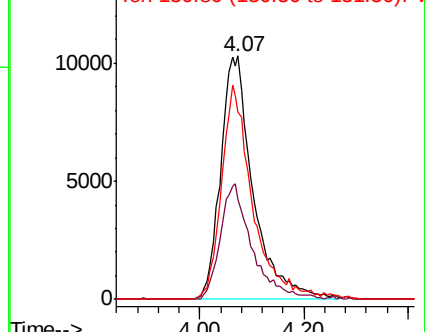
151 82.5 65.8 98.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 30.193 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

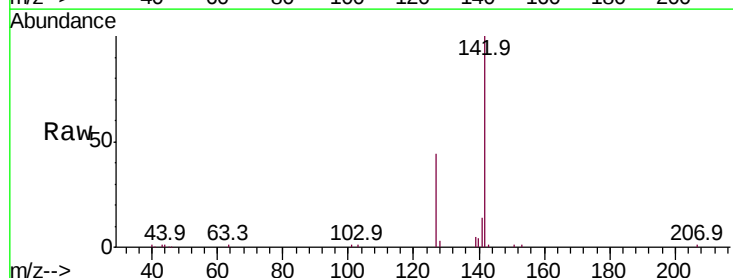
Tgt Ion:142 Resp: 66662

Ion Ratio Lower Upper

142 100

127 47.8 37.4 56.0

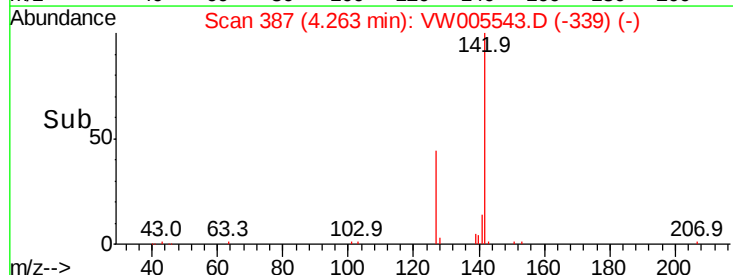
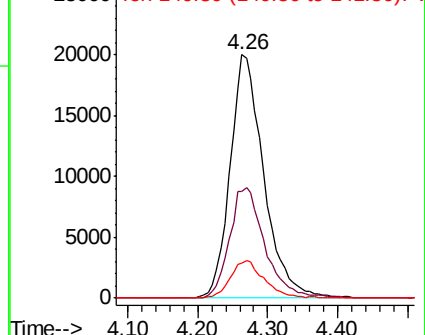
141 15.4 11.9 17.9

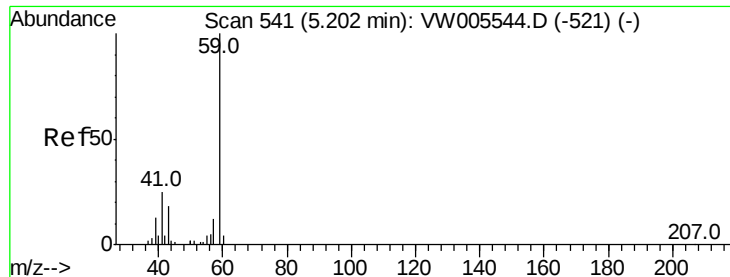


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 86.958 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.03 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

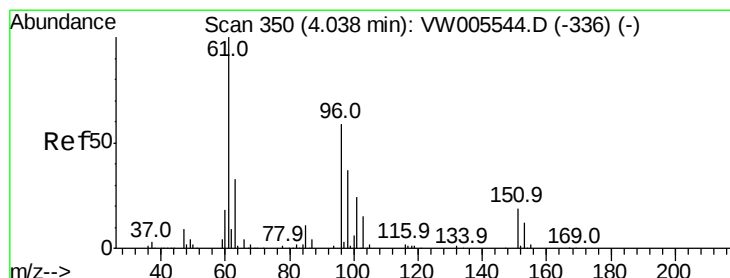
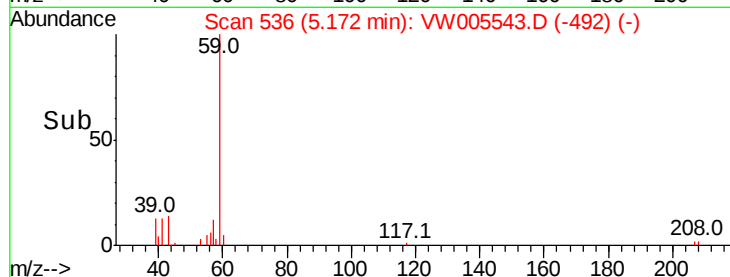
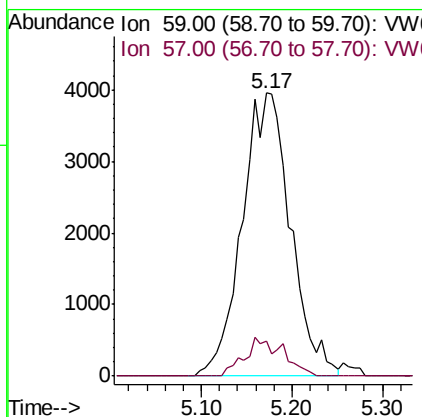
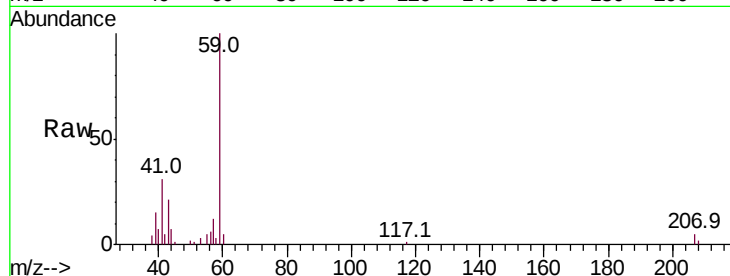
ClientSampleId :

Tot Ion: 59 Resp: 14646

Ion Ratio Lower Upper

59 100

57 10.8 8.3 12.5



#12

1,1-Dichloroethene

Concen: 22.748 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

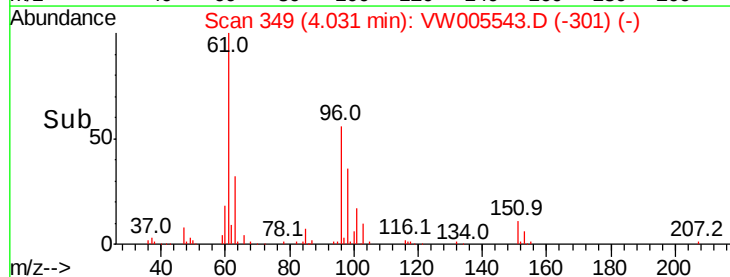
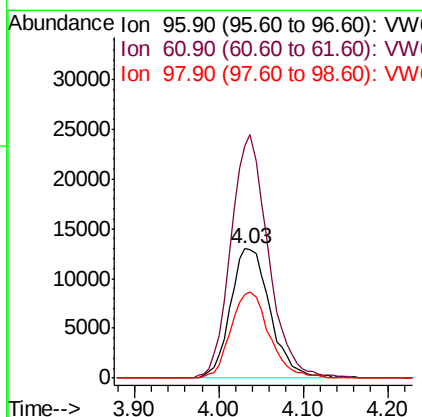
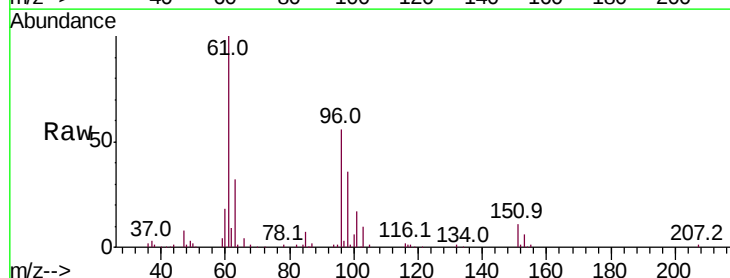
Tgt Ion: 96 Resp: 41567

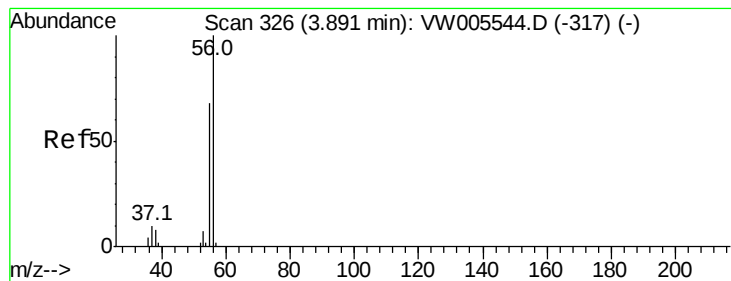
Ion Ratio Lower Upper

96 100

61 178.9 135.0 202.6

98 64.3 50.6 76.0





#13

Acrolein

Concen: 111.157 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

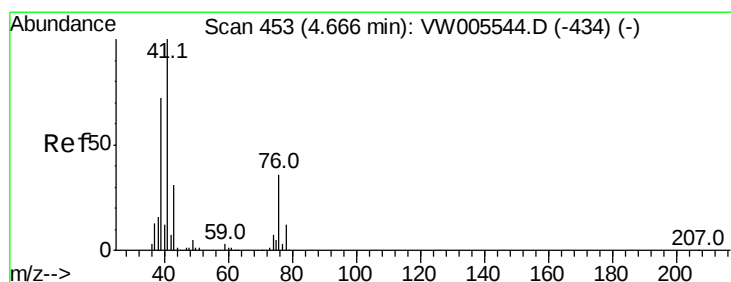
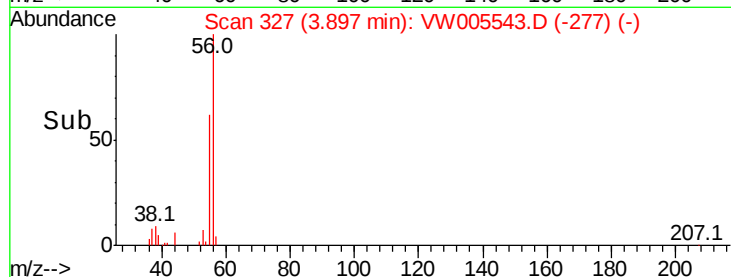
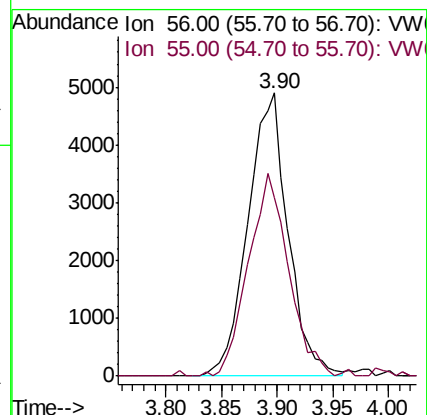
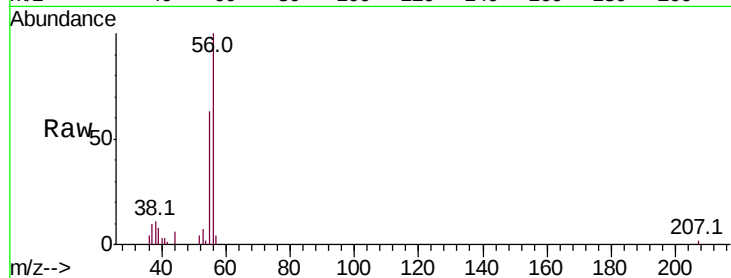
ClientSampled :

Tot Ion: 56 Resp: 12298

Ion Ratio Lower Upper

56 100

55 71.7 57.8 86.8



#14

Allyl chloride

Concen: 20.896 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

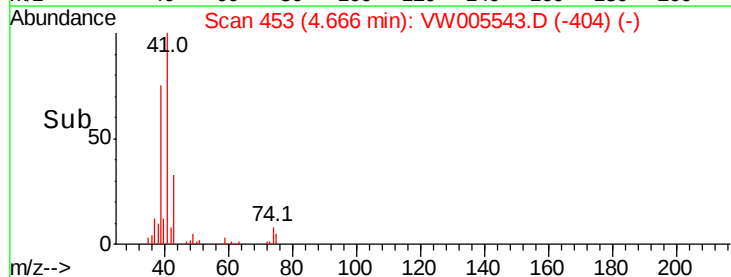
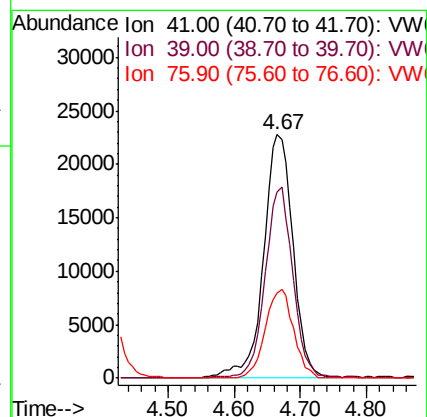
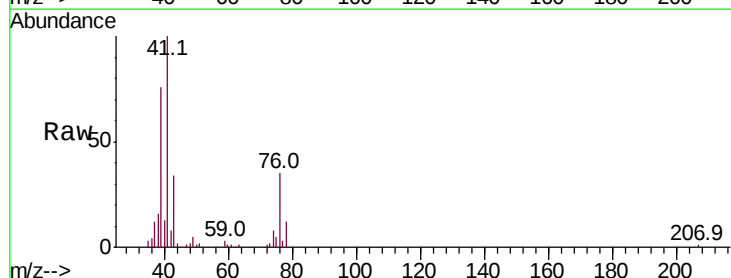
Tgt Ion: 41 Resp: 70405

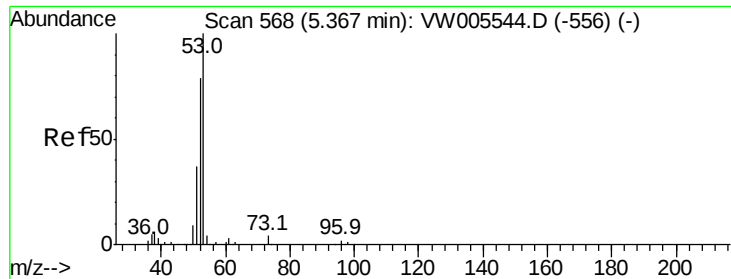
Ion Ratio Lower Upper

41 100

39 72.6 59.6 89.4

76 35.0 27.7 41.5





#15

Acrylonitrile

Concen: 106.783 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

ClientSampleId :

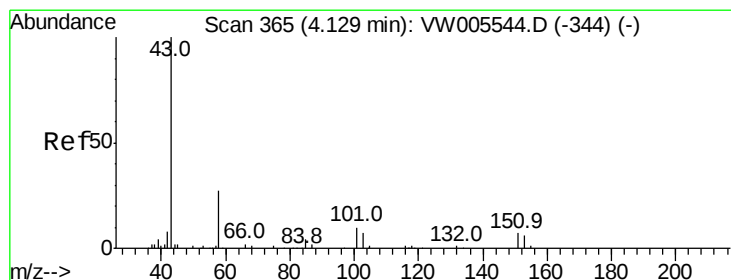
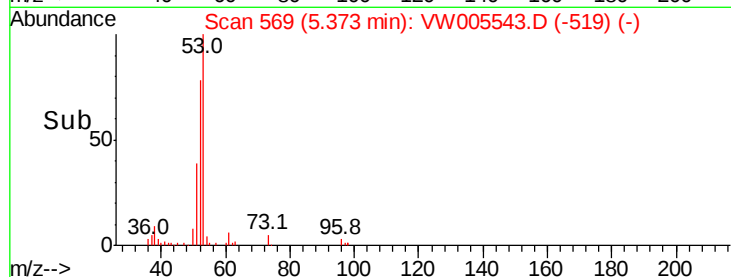
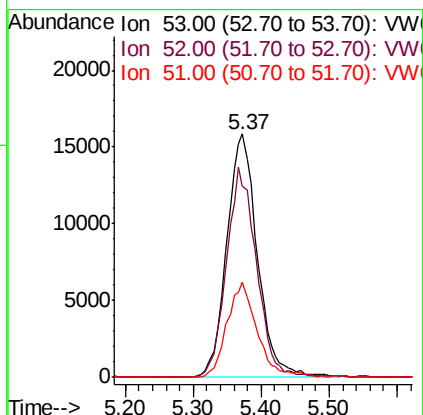
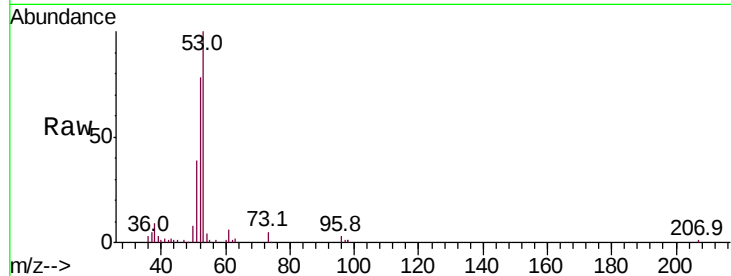
Tot Ion: 53 Resp: 49408

Ion Ratio Lower Upper

53 100

52 84.2 66.5 99.7

51 38.5 30.6 46.0



#16

Acetone

Concen: 118.147 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW005543.D

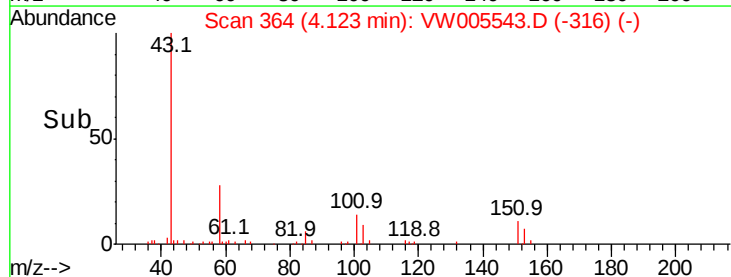
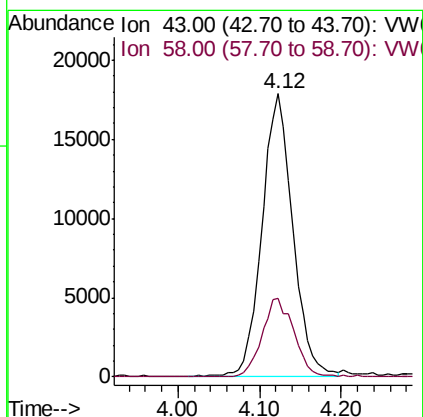
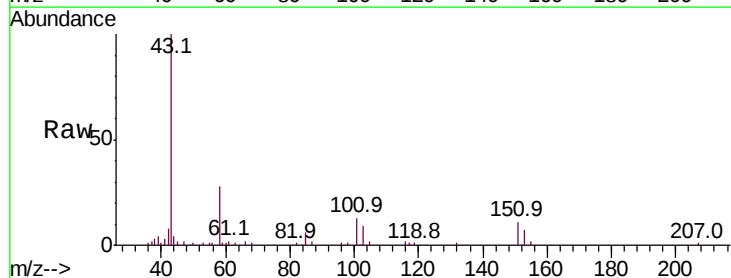
Acq: 20 Sep 2018 21:28

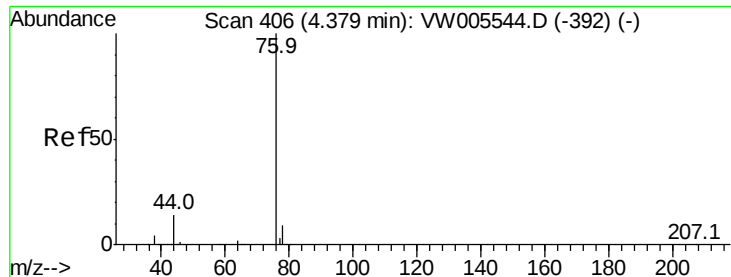
Tgt Ion: 43 Resp: 47117

Ion Ratio Lower Upper

43 100

58 27.7 21.8 32.8

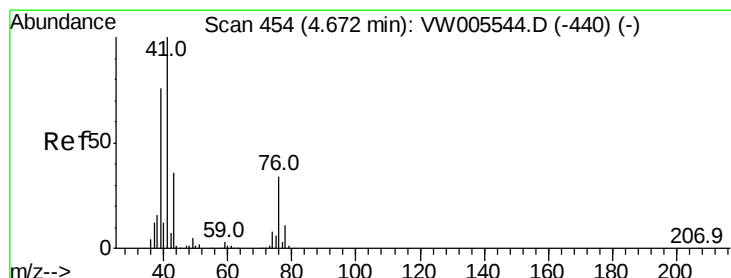
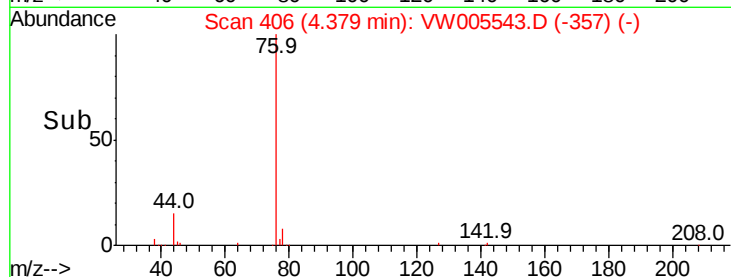
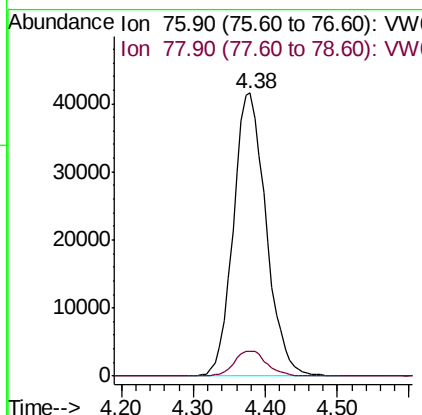
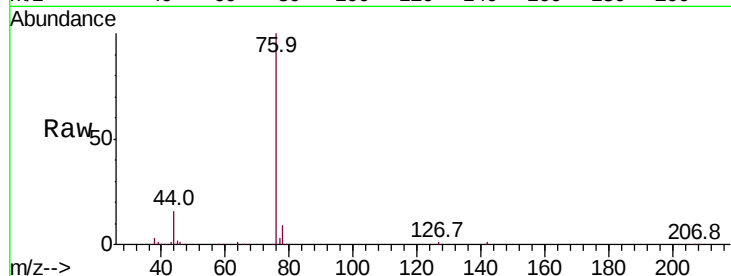




#17
Carbon Disulfide
Concen: 20.787 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

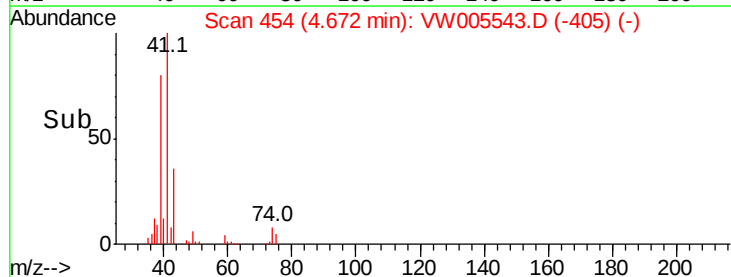
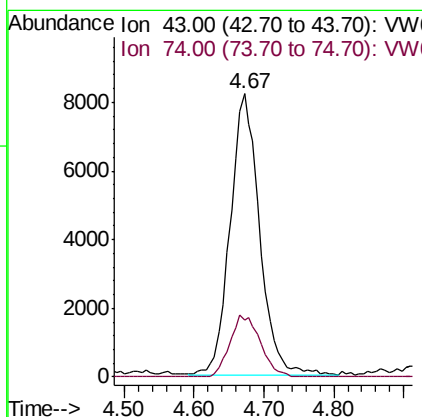
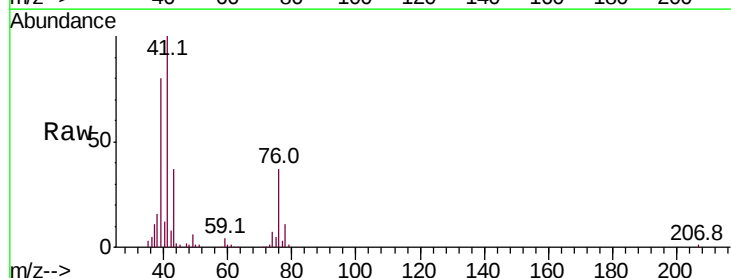
Instrument :
MSVOA_W
ClientSampled :

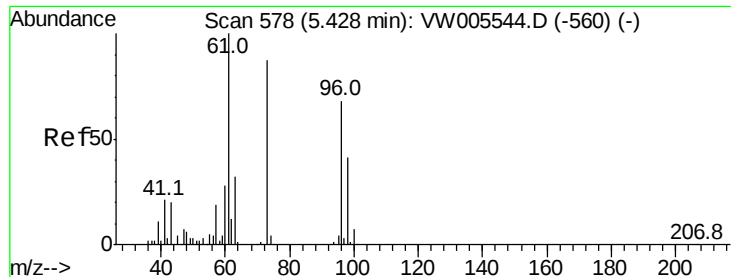
Tot Ion: 76 Resp: 130974
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



#18
Methyl Acetate
Concen: 20.467 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

Tgt Ion: 43 Resp: 23771
Ion Ratio Lower Upper
43 100
74 22.6 19.2 28.8

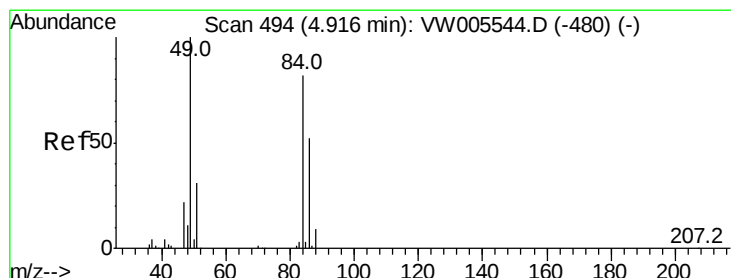
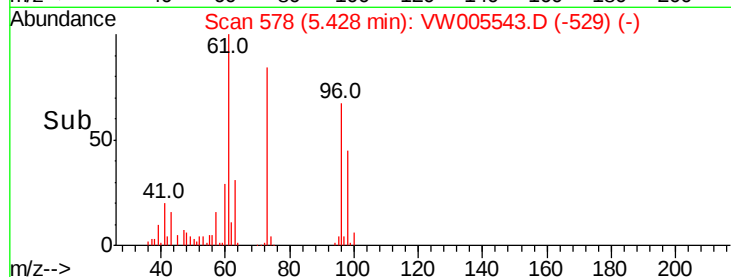
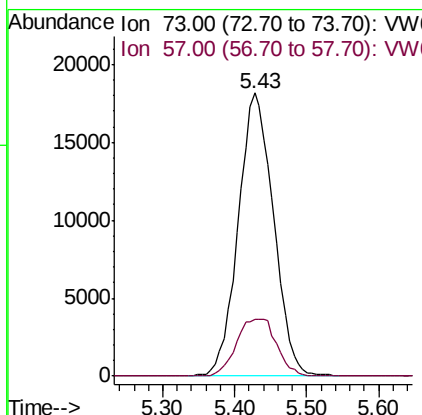
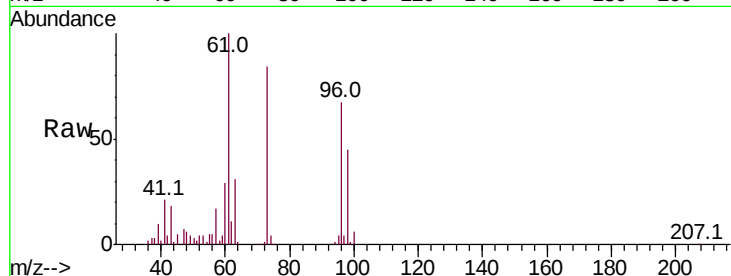




#19
Methyl tert-butyl Ether
Concen: 13.538 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

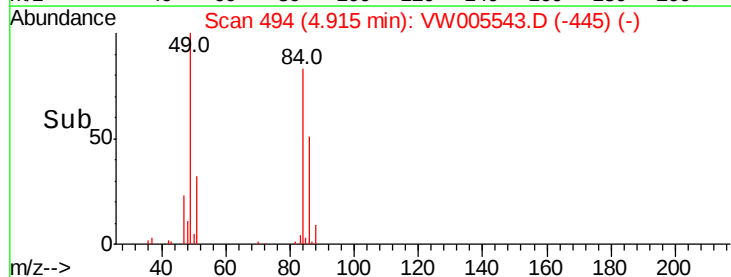
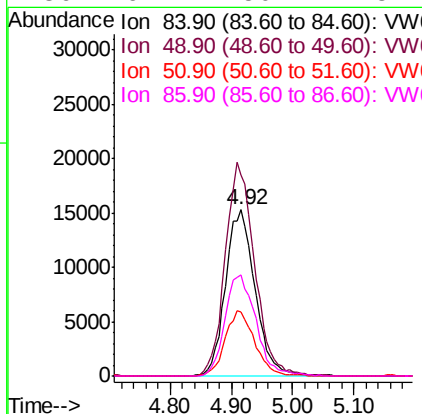
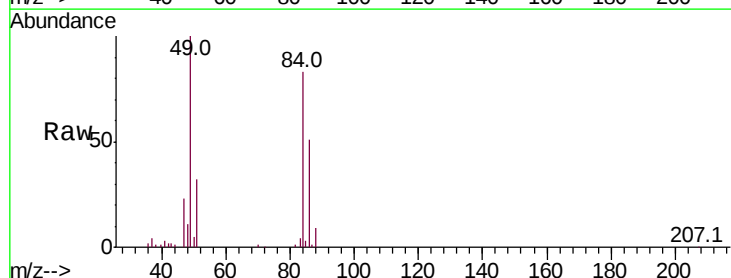
Instrument :
MSVOA_W
ClientSampled :

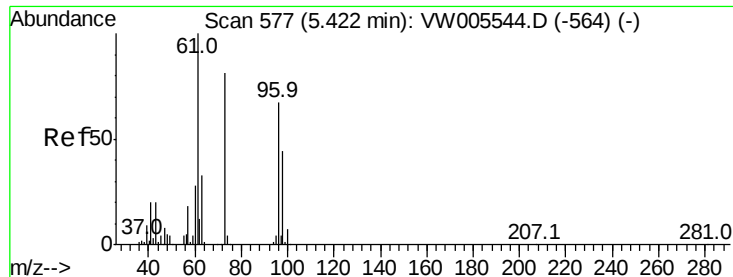
Tot Ion: 73 Resp: 61715
Ion Ratio Lower Upper
73 100
57 20.1 17.6 26.4



#20
Methylene Chloride
Concen: 17.832 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

Tgt Ion: 84 Resp: 50798
Ion Ratio Lower Upper
84 100
49 121.1 97.0 145.6
51 38.3 30.2 45.2
86 61.2 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 20.889 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :
MSVOA_W
ClientSampled :

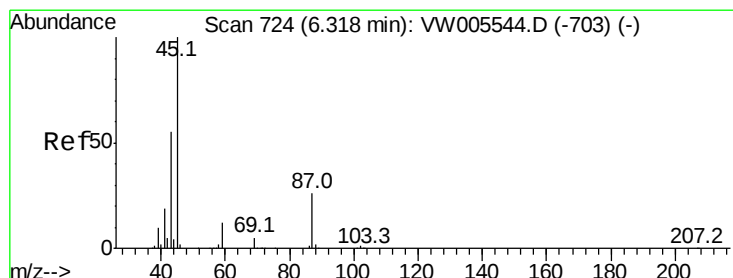
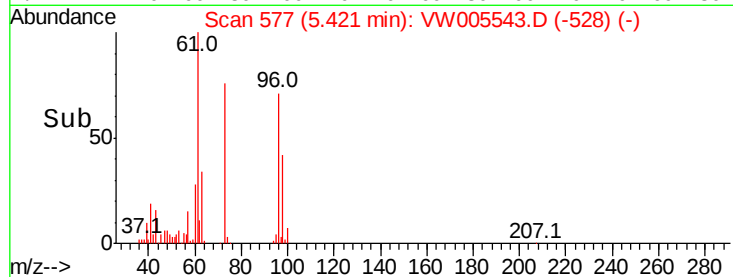
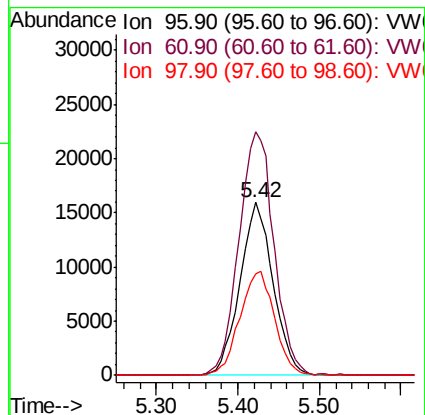
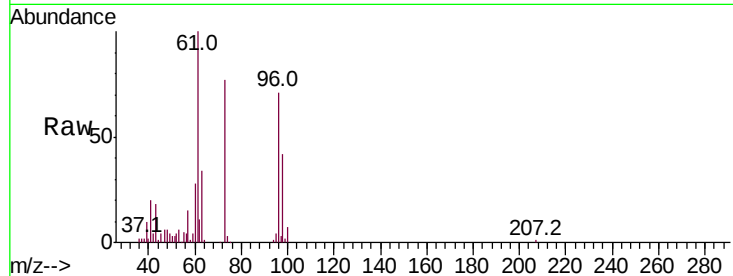
Tot Ion: 96 Resp: 45236

Ion Ratio Lower Upper

96 100

61 140.7 118.9 178.3

98 59.0 52.1 78.1



#22

Diisopropyl ether

Concen: 21.170 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Tgt Ion: 45 Resp: 139465

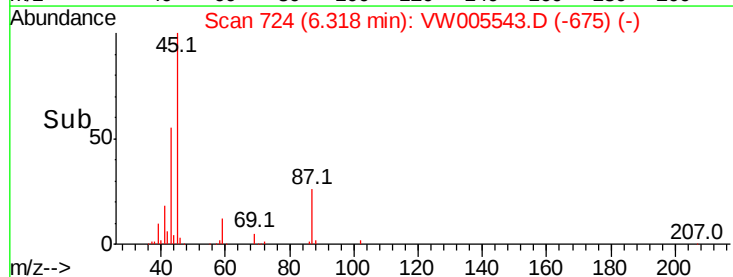
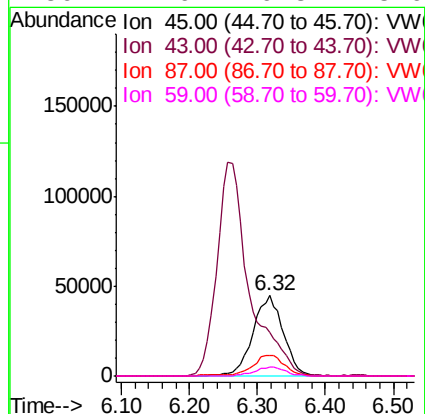
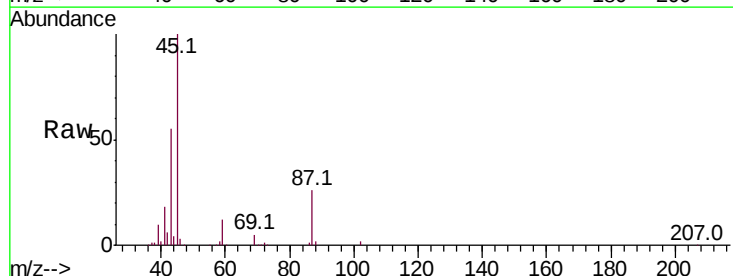
Ion Ratio Lower Upper

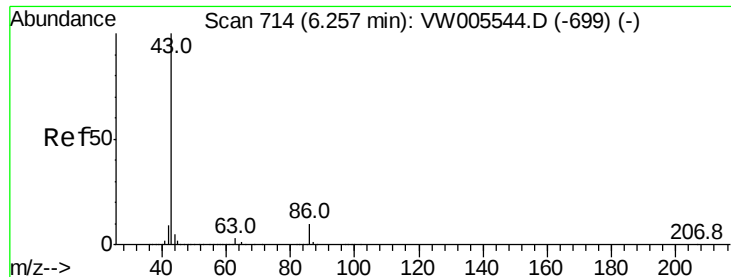
45 100

43 53.9 44.2 66.4

87 25.7 21.4 32.2

59 11.6 9.3 13.9





#23

Vinyl Acetate

Concen: 104.625 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

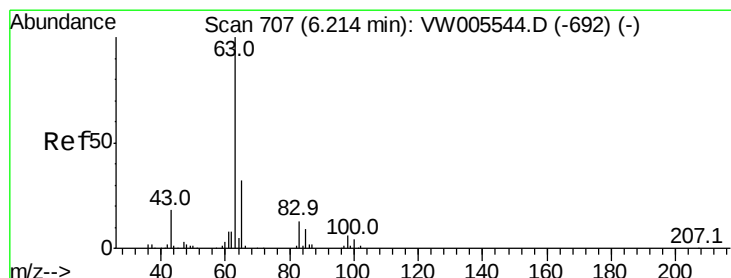
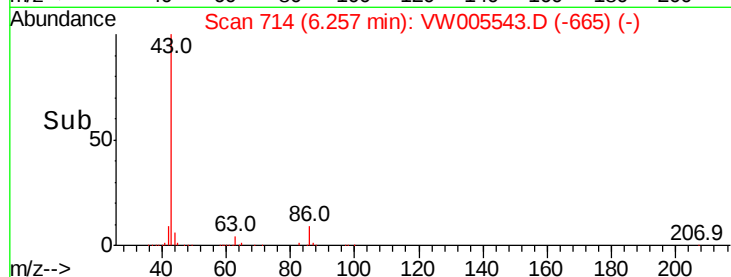
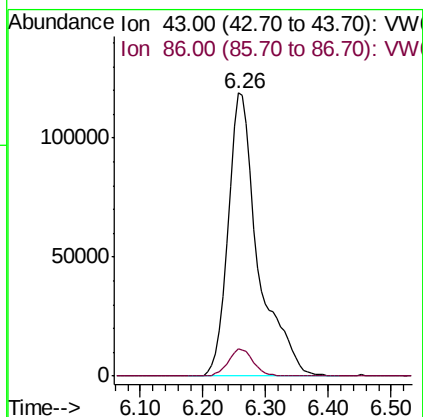
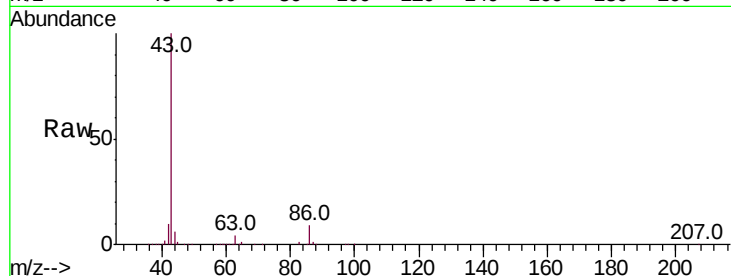
ClientSampled :

Tot Ion: 43 Resp: 393758

Ion Ratio Lower Upper

43 100

86 9.5 7.7 11.5



#24

1,1-Dichloroethane

Concen: 21.046 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

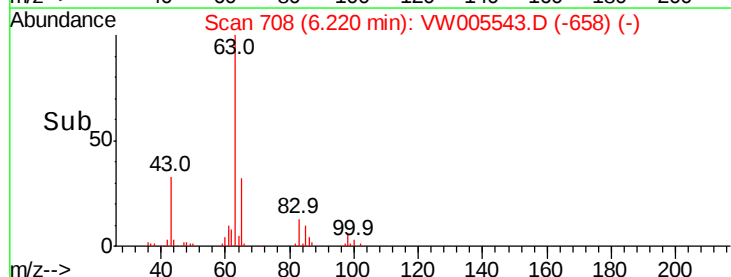
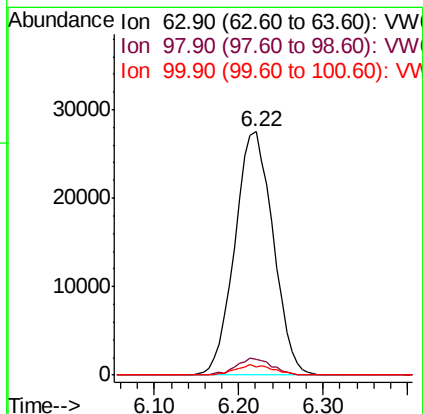
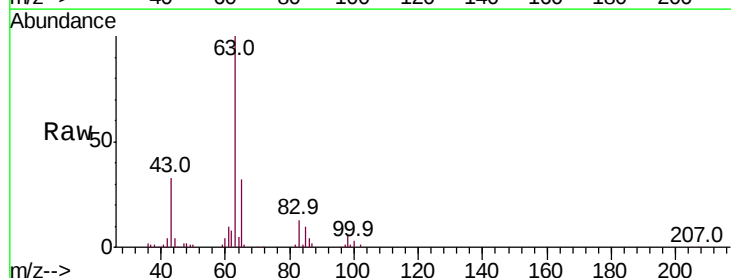
Tgt Ion: 63 Resp: 84774

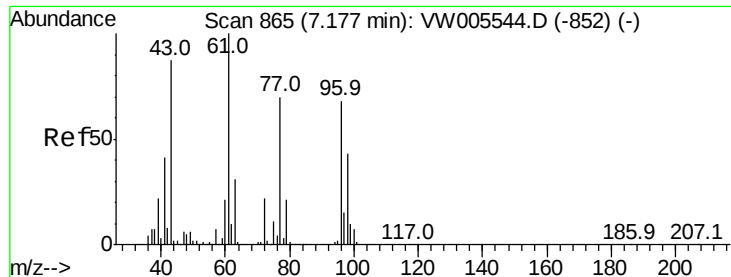
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 3.4 2.1 6.2





#25

2-Butanone

Concen: 111.335 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

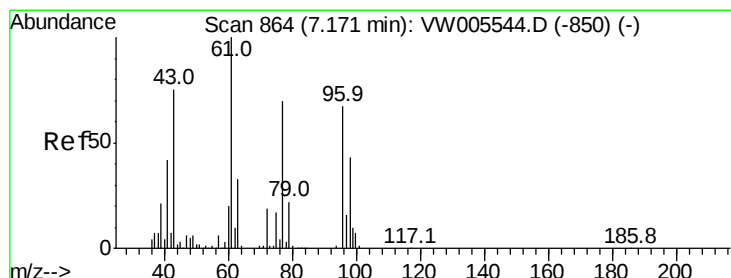
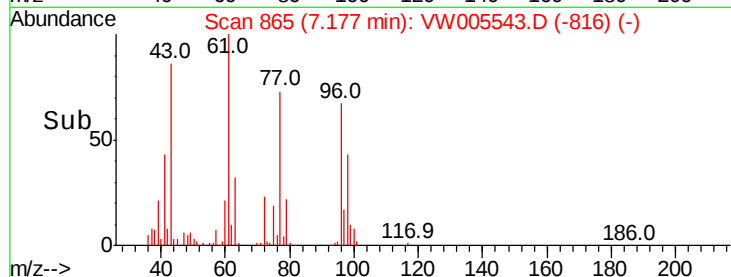
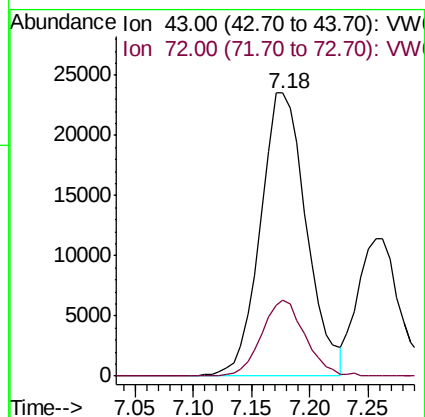
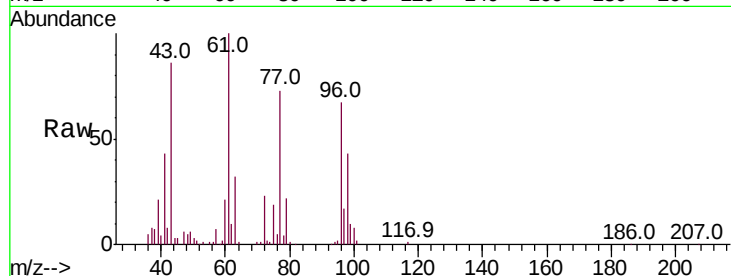
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 64724

Ion Ratio Lower Upper

43 100

72 26.7 19.9 29.9



#26

2,2-Dichloropropane

Concen: 17.266 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW005543.D

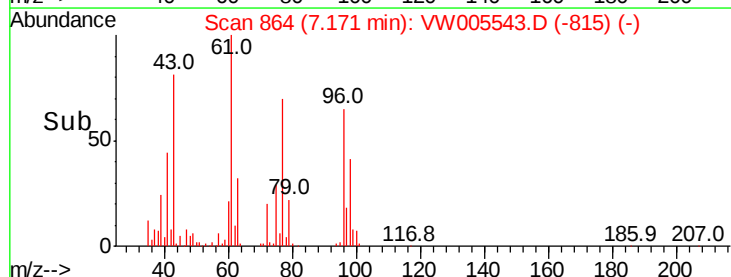
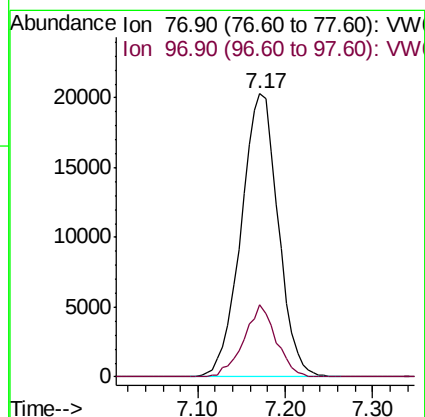
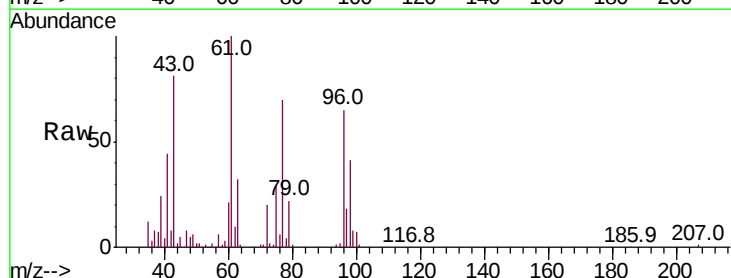
Acq: 20 Sep 2018 21:28

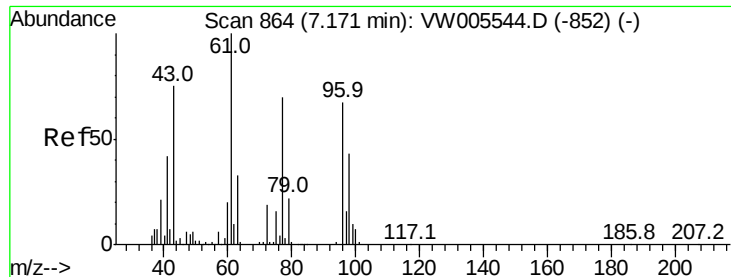
Tgt Ion: 77 Resp: 59578

Ion Ratio Lower Upper

77 100

97 22.2 11.0 33.0



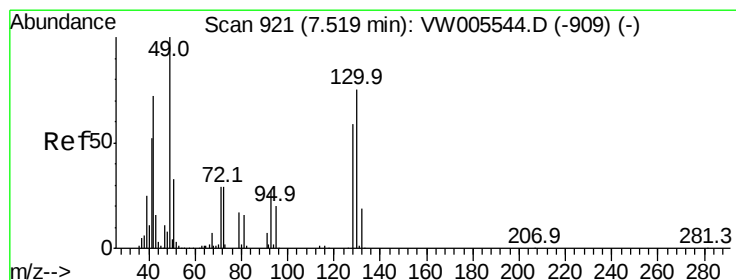
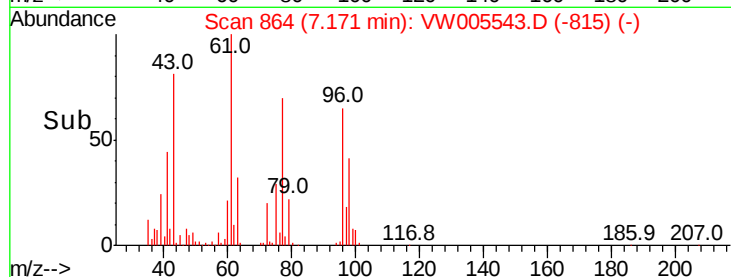
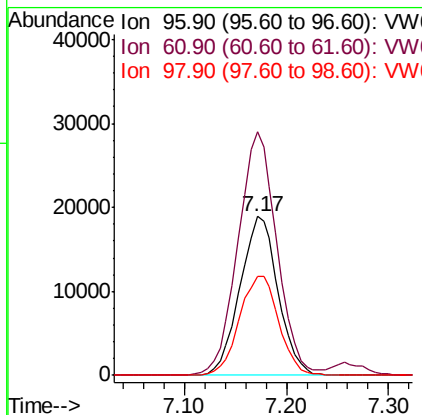
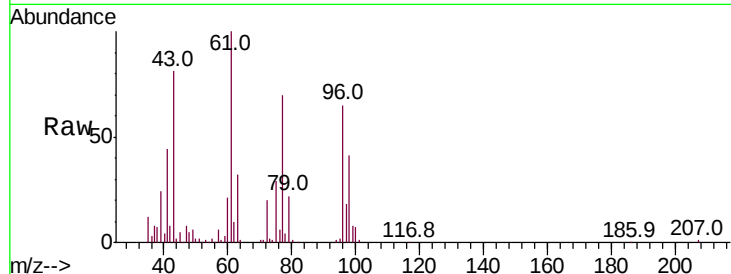


#27

cis-1,2-Dichloroethene
 Concen: 20.789 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW005543.D
 Acq: 20 Sep 2018 21:28

Instrument :
 MSVOA_W
 ClientSampled :

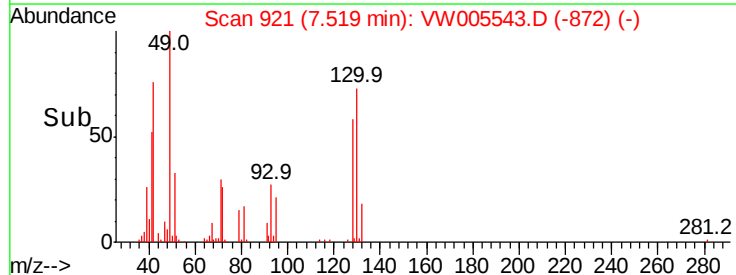
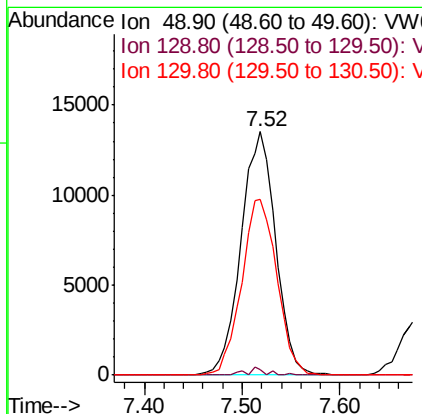
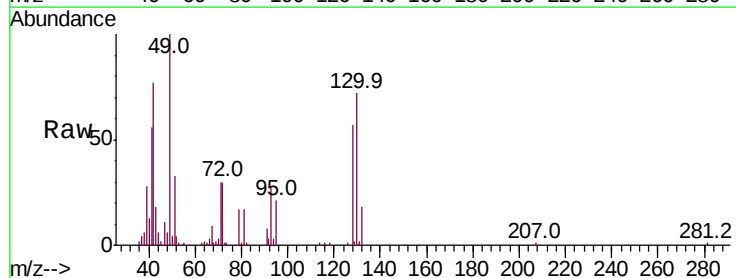
Tot Ion	96	Resp	48990
Ion	Ratio	Lower	Upper
96	100		
61	156.5	0.0	303.4
98	64.6	0.0	127.2

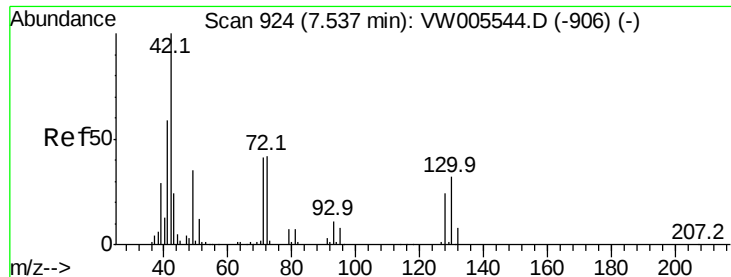


#28

Bromochloromethane
 Concen: 21.143 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW005543.D
 Acq: 20 Sep 2018 21:28

Tgt Ion	49	Resp	33152
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	1.4#
130	73.8	61.3	91.9





#29

Tetrahydrofuran

Concen: 109.617 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.01 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

ClientSampleId :

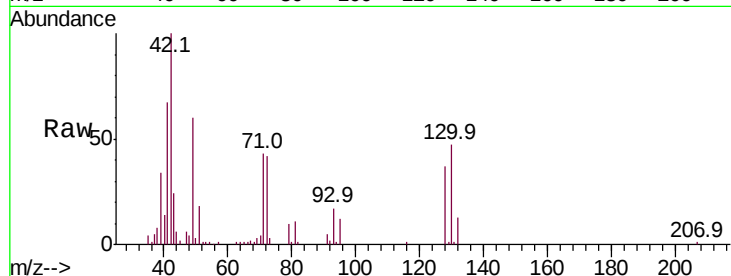
Tot Ion: 42 Resp: 40731

Ion Ratio Lower Upper

42 100

72 41.7 33.6 50.4

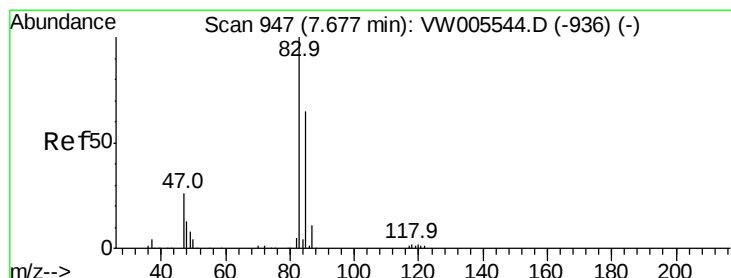
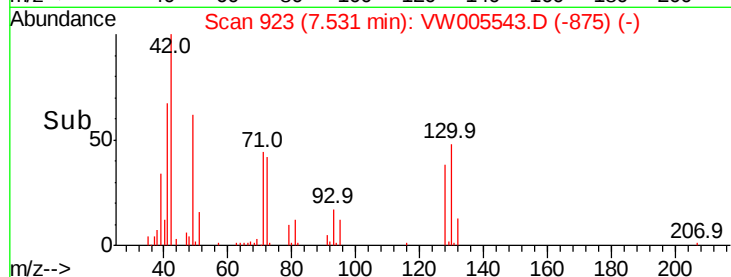
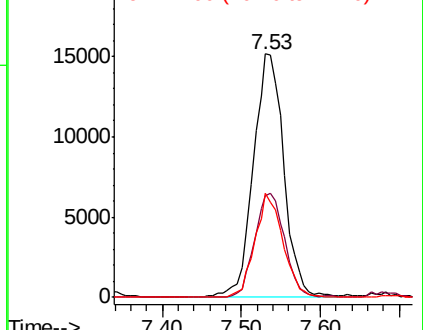
71 39.2 31.8 47.6



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: 21.191 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW005543.D

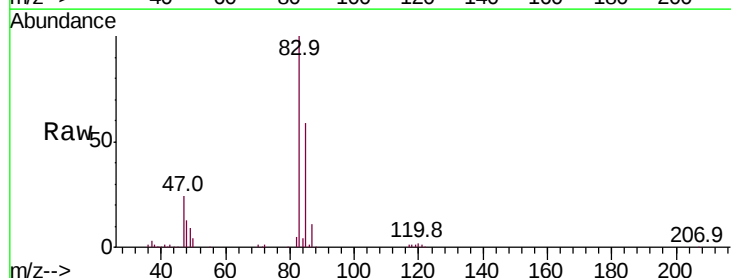
Acq: 20 Sep 2018 21:28

Tgt Ion: 83 Resp: 88603

Ion Ratio Lower Upper

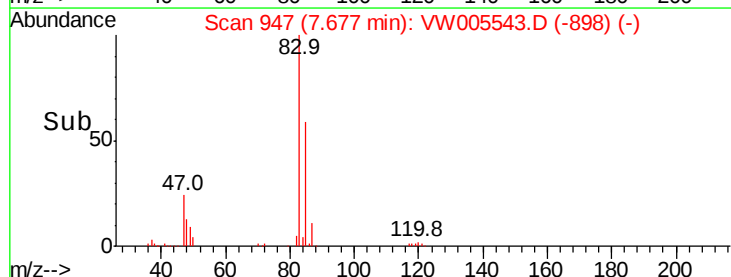
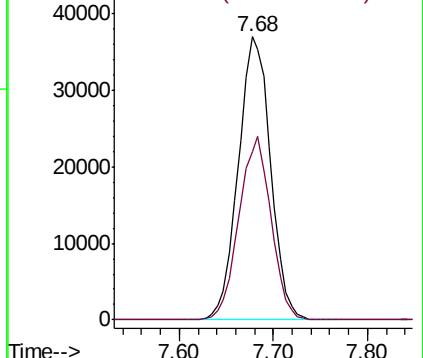
83 100

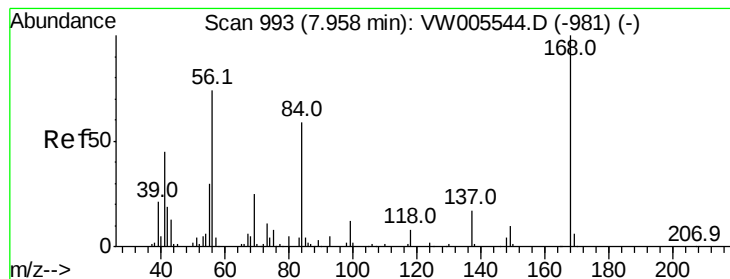
85 59.5 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 21.180 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

ClientSampled :

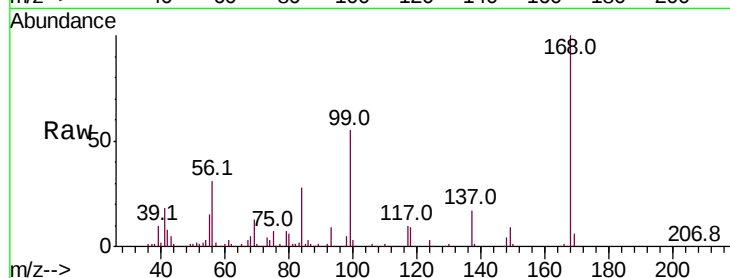
Tot Ion: 56 Resp: 81459

Ion Ratio Lower Upper

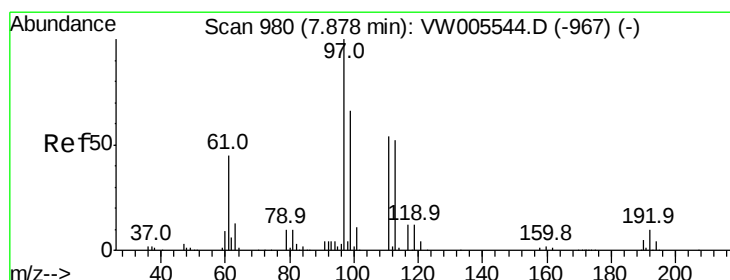
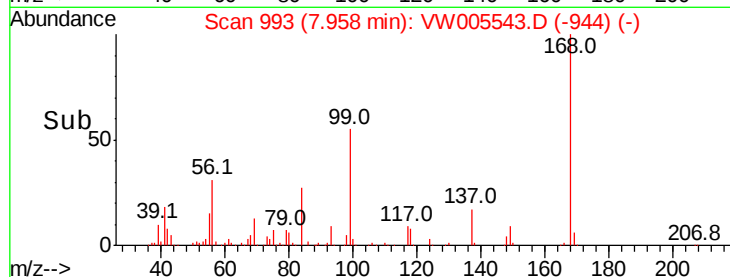
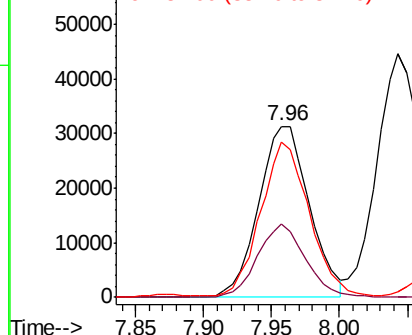
56 100

69 42.7 27.0 40.4#

84 89.5 64.2 96.4



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: 20.396 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

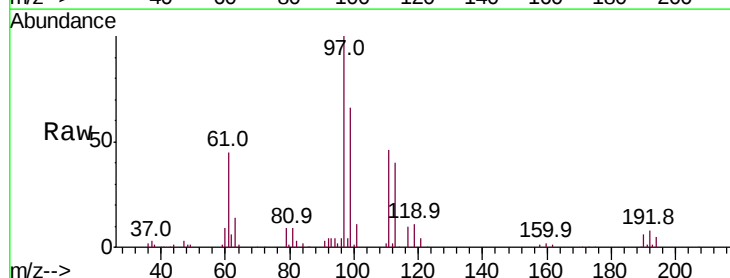
Tgt Ion: 97 Resp: 77893

Ion Ratio Lower Upper

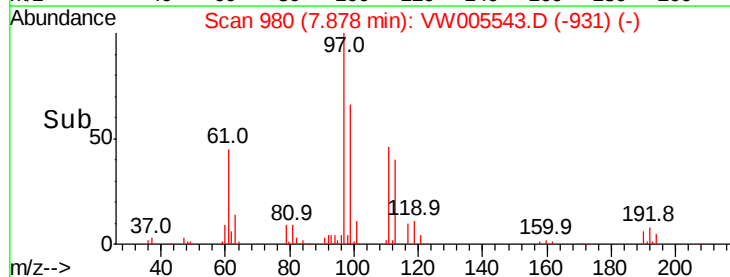
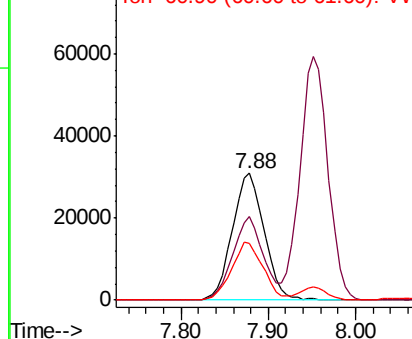
97 100

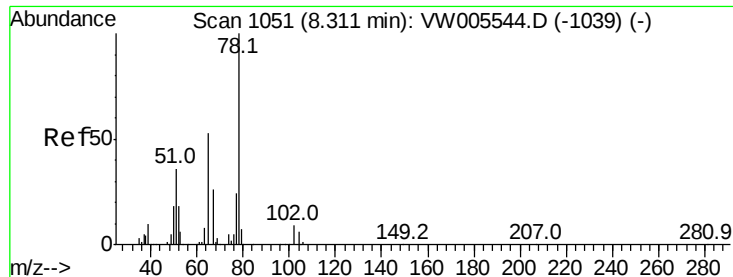
99 64.4 51.0 76.6

61 45.2 36.2 54.2



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: 21.414 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

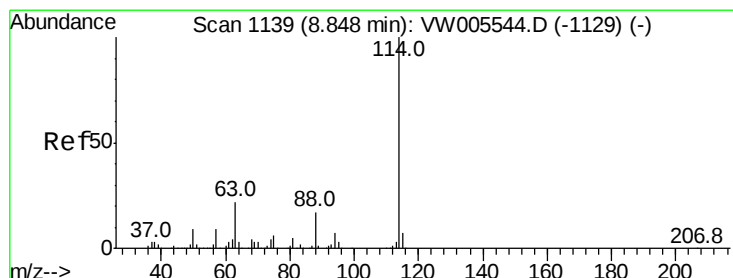
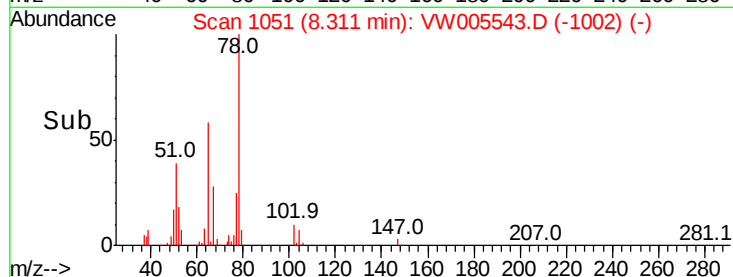
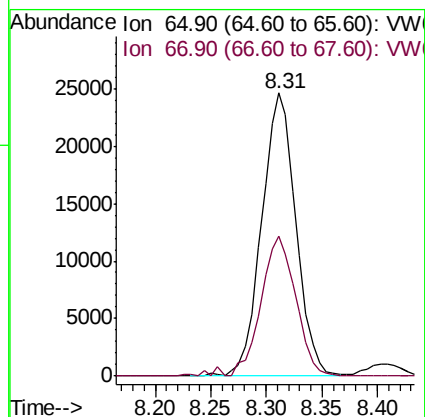
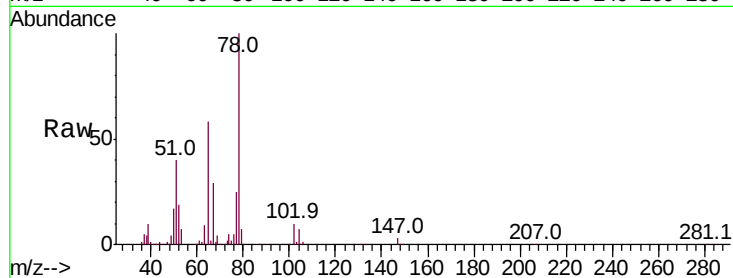
ClientSampled :

Tot Ion: 65 Resp: 52531

Ion Ratio Lower Upper

65 100

67 50.1 0.0 100.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

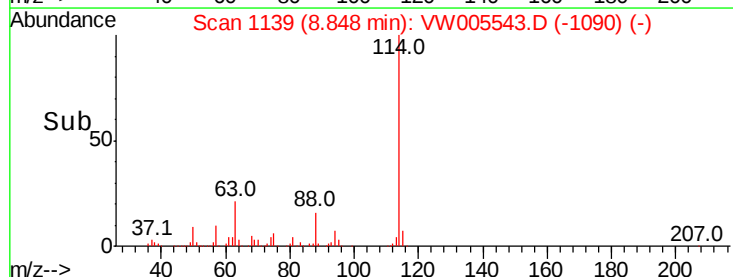
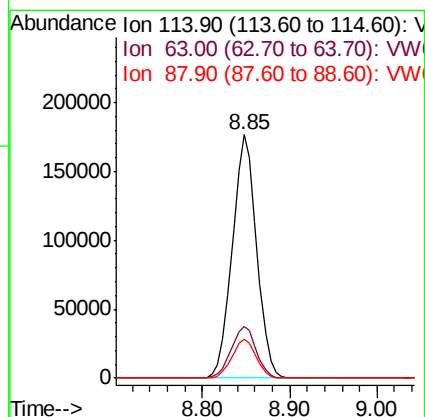
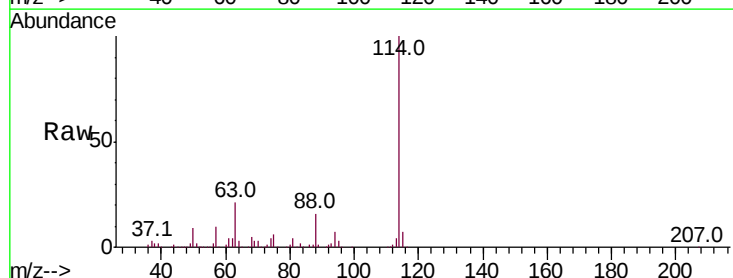
Tgt Ion: 114 Resp: 340377

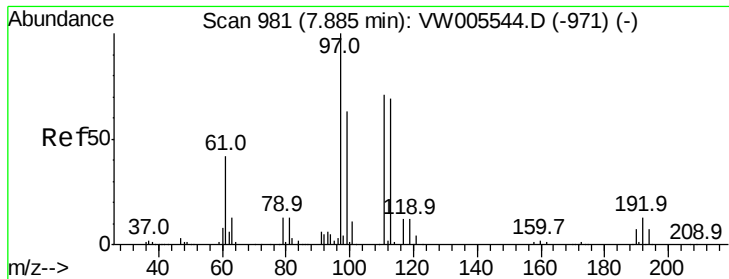
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.0

88 16.0 0.0 33.0

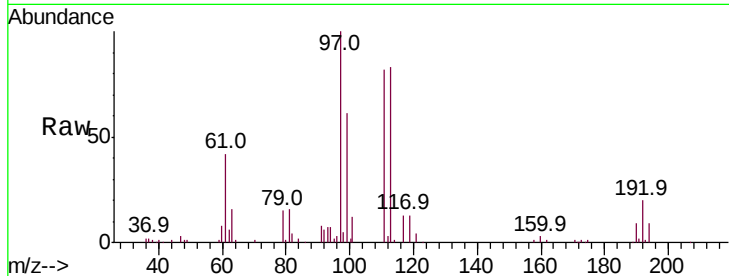




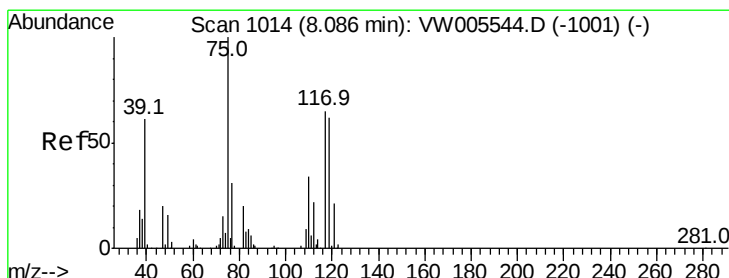
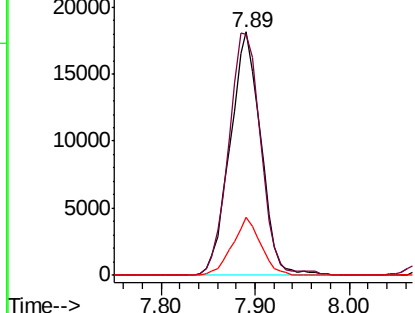
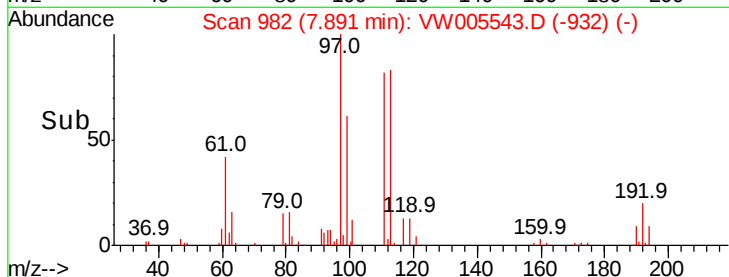
#35
 Dibromofluoromethane
 Concen: 20.935 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005543.D
 Acq: 20 Sep 2018 21:28

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.6	123.8
192	21.8	17.0	25.4

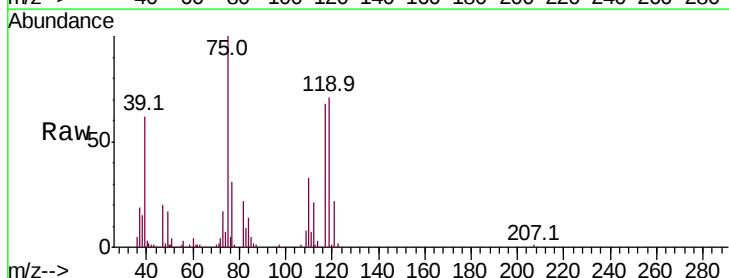


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

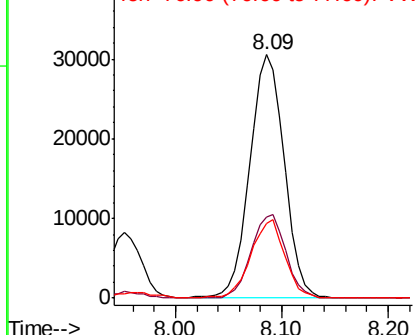
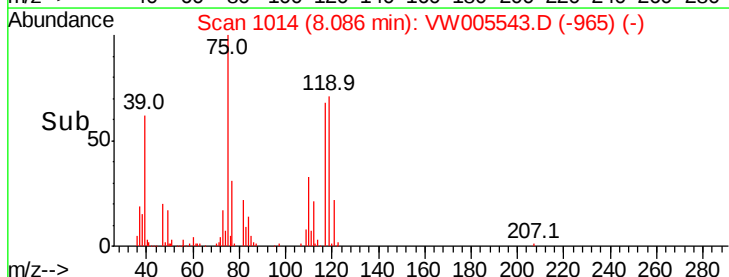


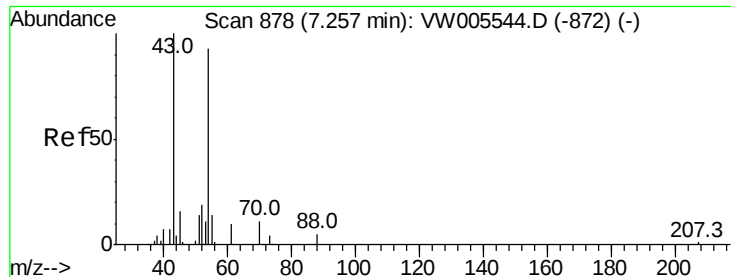
#36
 1,1-Dichloropropene
 Concen: 21.282 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW005543.D
 Acq: 20 Sep 2018 21:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.0	50.9
77	31.7	24.8	37.2



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

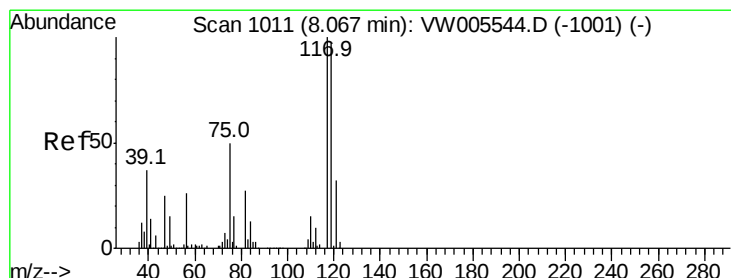
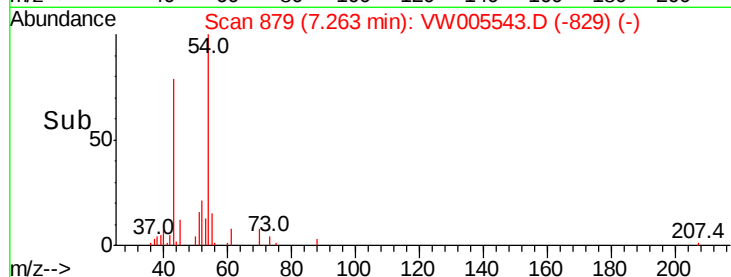
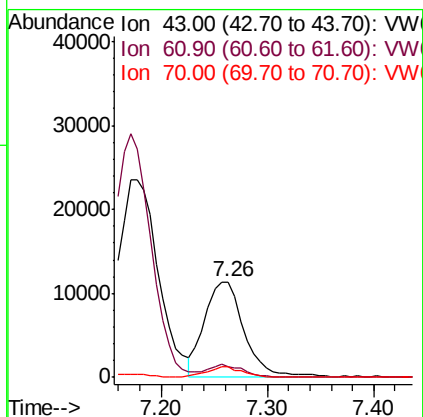
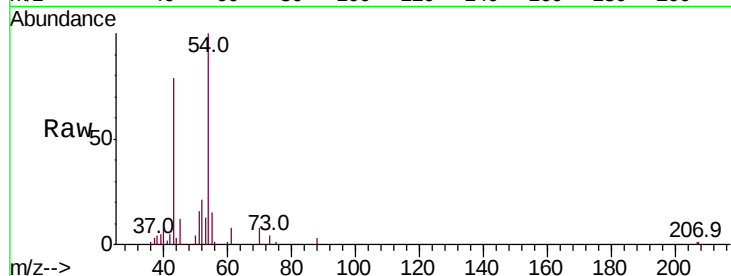




#37
Ethyl Acetate
Concen: 21.522 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

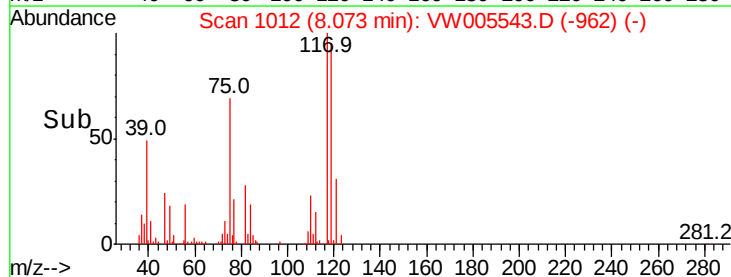
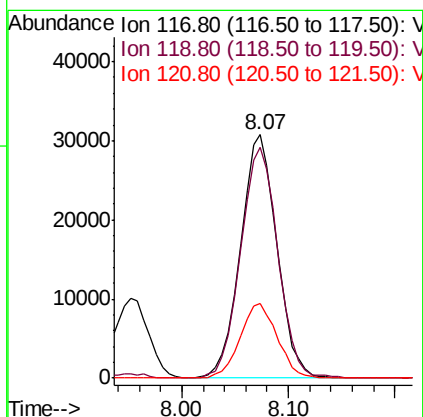
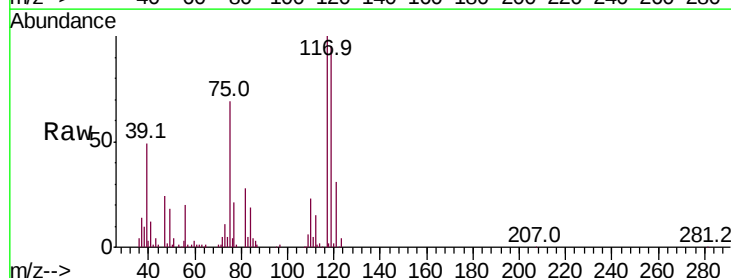
Instrument :
MSVOA_W
ClientSampleId :

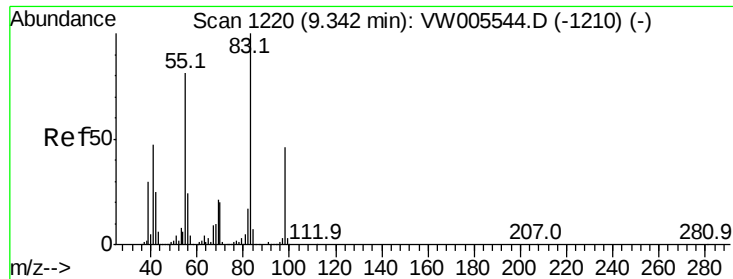
Tot Ion: 43 Resp: 28883
Ion Ratio Lower Upper
43 100
61 12.1 10.4 15.6
70 10.2 8.2 12.2



#38
Carbon Tetrachloride
Concen: 21.523 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

Tgt Ion: 117 Resp: 73916
Ion Ratio Lower Upper
117 100
119 94.8 77.6 116.4
121 30.8 25.7 38.5

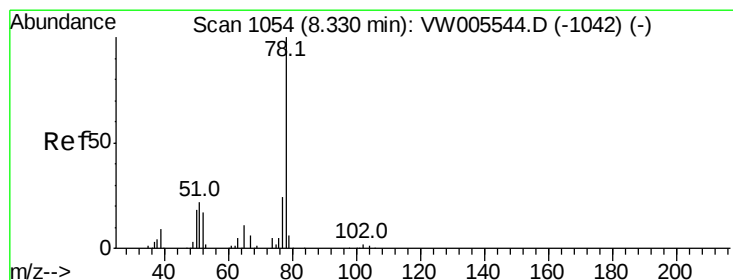
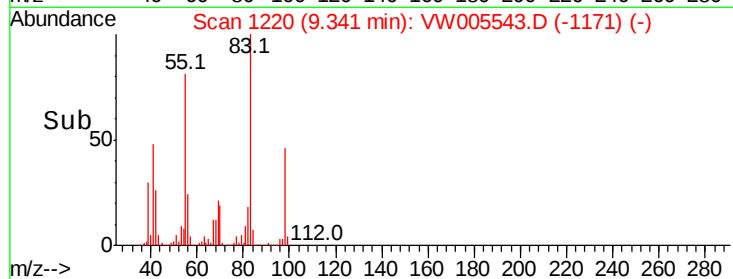
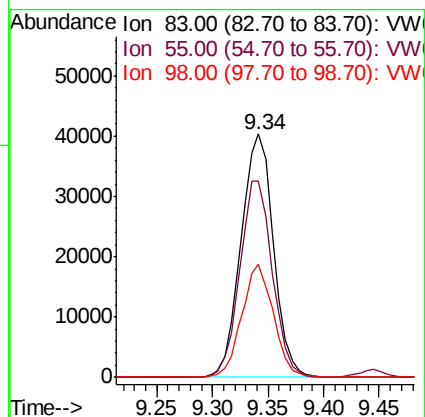
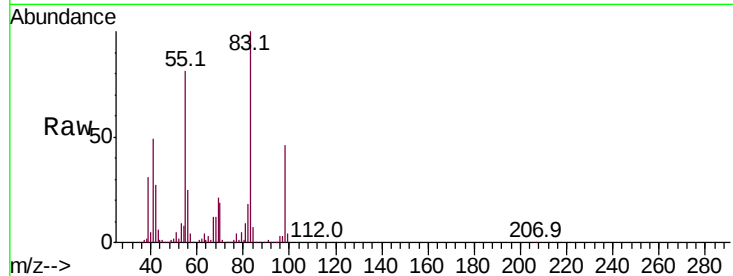




#39
Methvlcvclohexane
Concen: 21.517 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

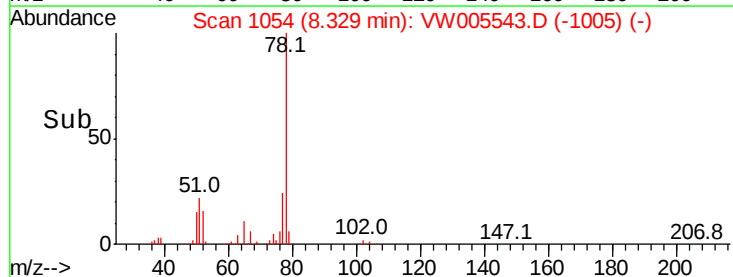
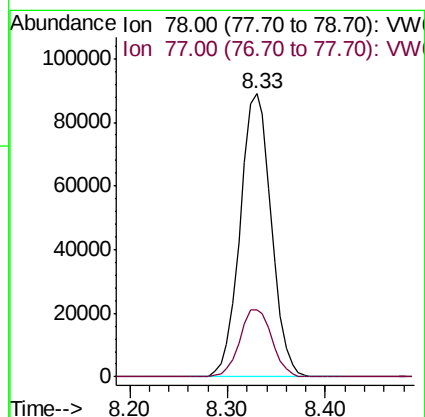
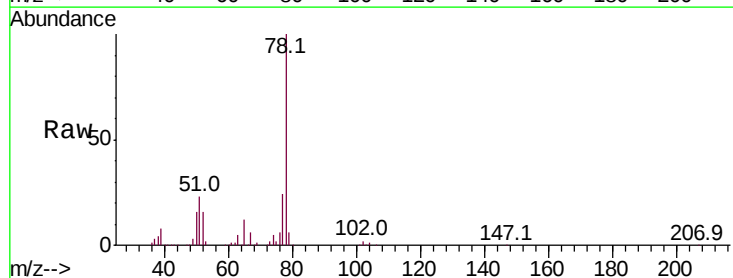
Instrument :
MSVOA_W
ClientSampled :

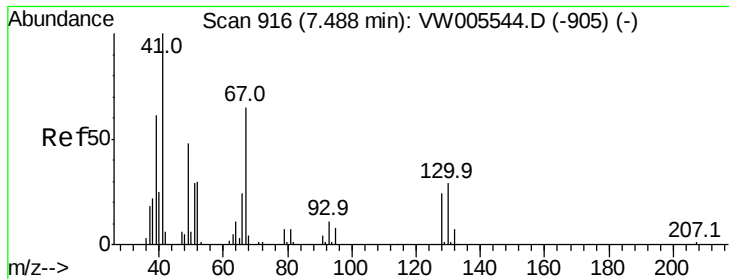
Tot Ion	83	Resp	81689
Ion	Ratio	Lower	Upper
83	100		
55	80.7	64.6	97.0
98	46.5	37.0	55.6



#40
Benzene
Concen: 20.832 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

Tgt Ion	78	Resp	196500
Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4

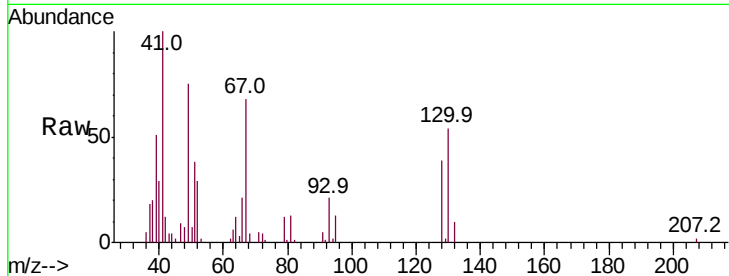




#41
Methacrylonitrile
Concen: 20.591 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	41	Resp:	16553
Ion	Ratio	Lower	Upper
41	100		
39	57.4	45.4	68.2
67	72.0	55.2	82.8
52	31.0	25.3	37.9



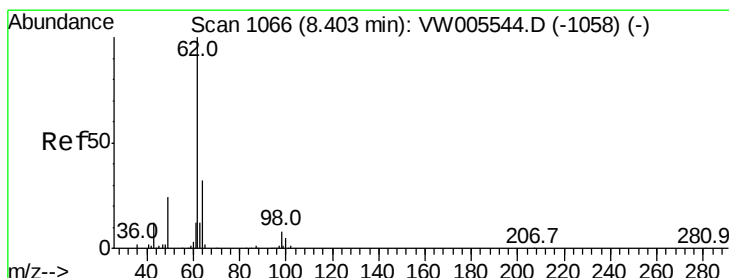
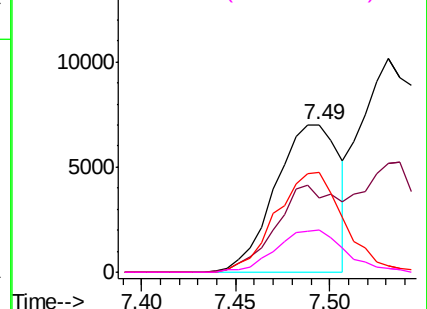
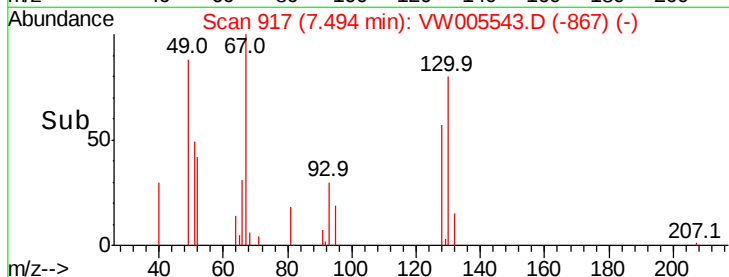
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

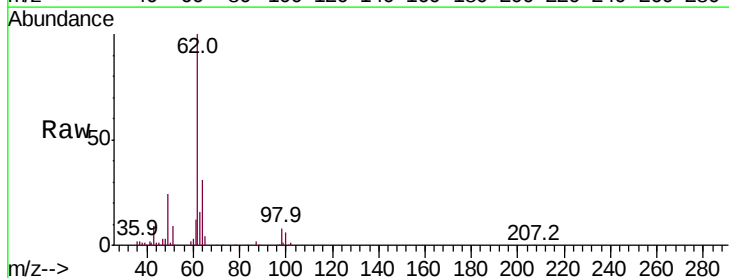
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 21.126 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

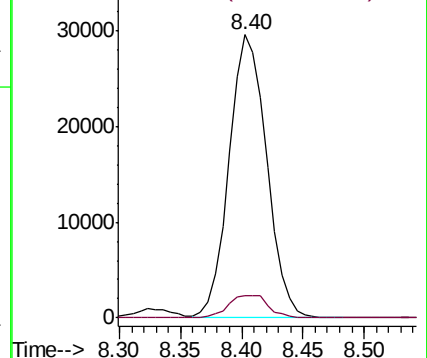
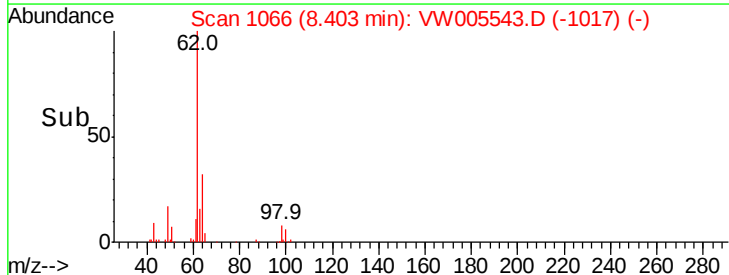
Tgt Ion:	62	Resp:	62963
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	15.6

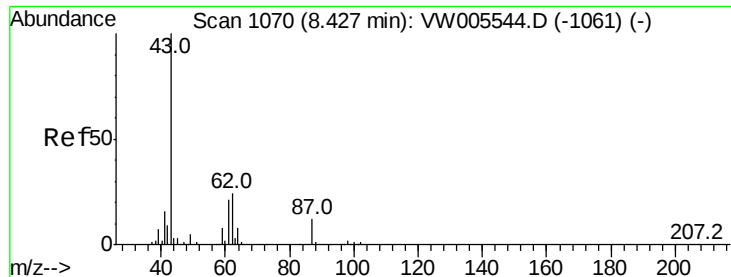


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.438 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

ClientSampleId :

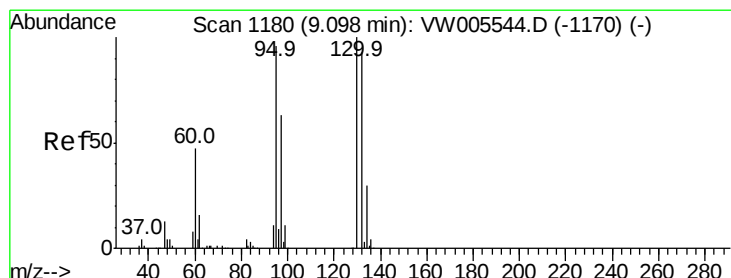
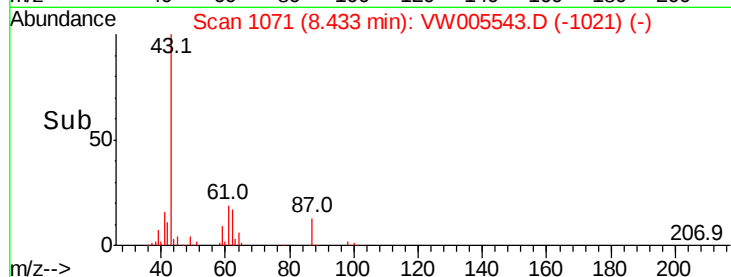
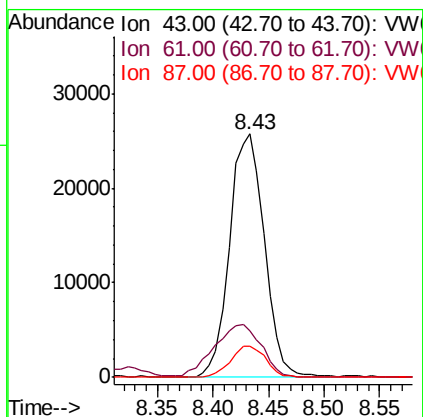
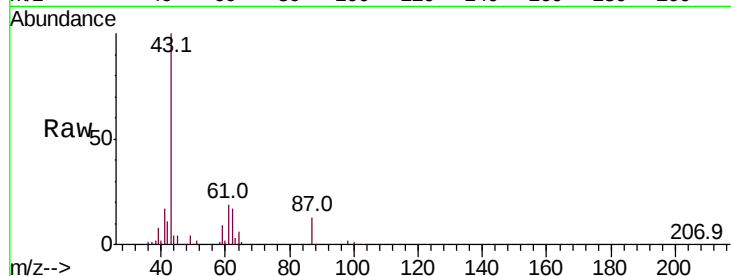
Tot Ion: 43 Resp: 55812

Ion Ratio Lower Upper

43 100

61 29.3 24.1 36.1

87 12.8 9.8 14.8



#44

Trichloroethene

Concen: 20.760 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW005543.D

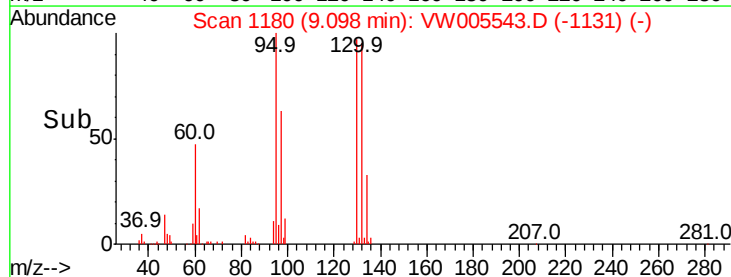
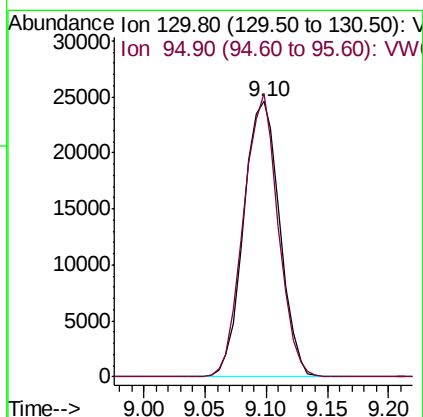
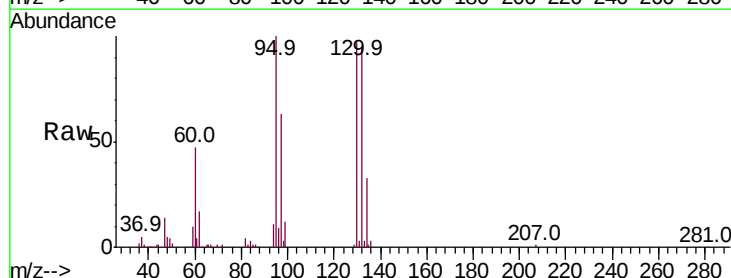
Acq: 20 Sep 2018 21:28

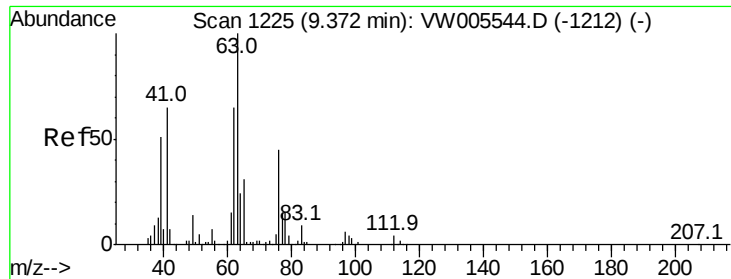
Tgt Ion: 130 Resp: 50415

Ion Ratio Lower Upper

130 100

95 102.7 0.0 191.2

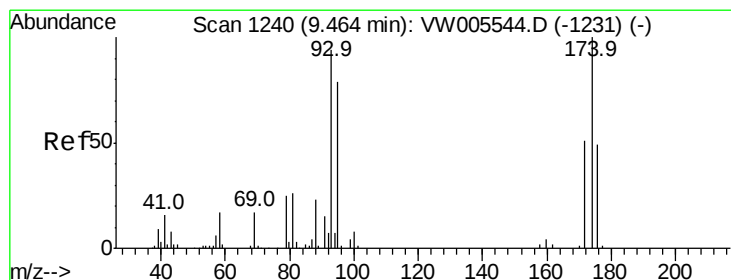
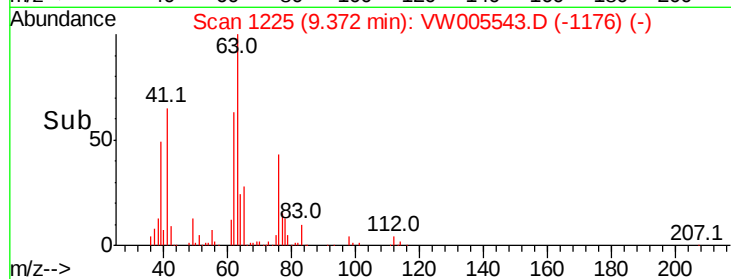
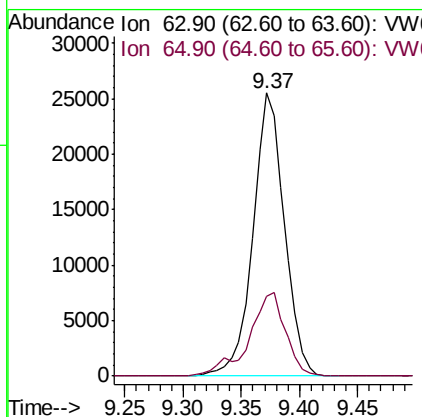
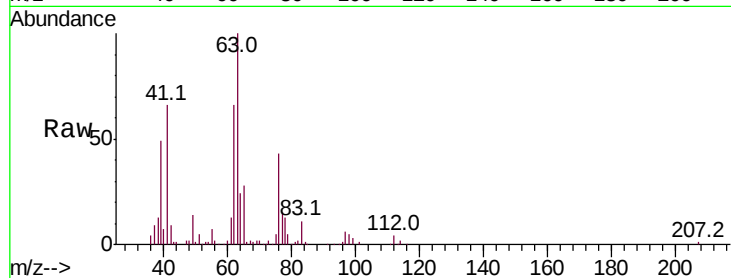




#45
 1,2-Dichloropropane
 Concen: 21.125 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW005543.D
 Acq: 20 Sep 2018 21:28

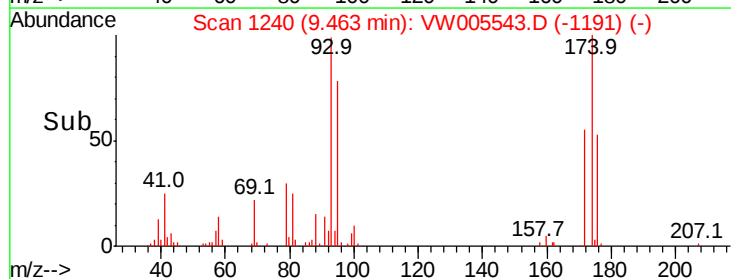
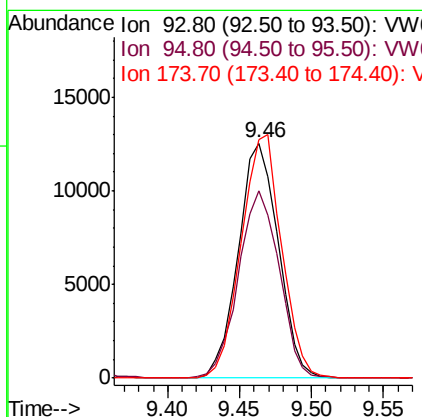
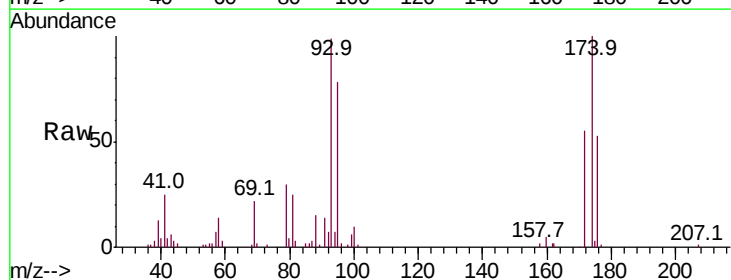
Instrument :
 MSVOA_W
 ClientSampleId :

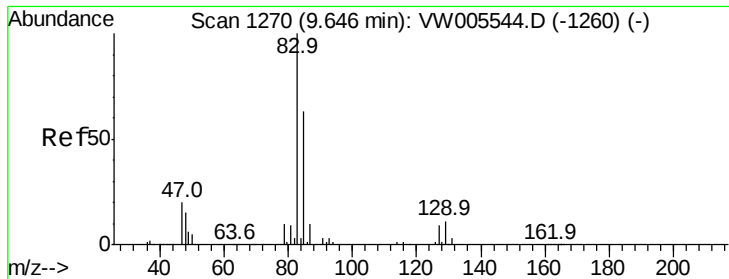
Tot Ion: 63 Resp: 47974
 Ion Ratio Lower Upper
 63 100
 65 28.3 24.7 37.1



#46
 Dibromomethane
 Concen: 21.520 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW005543.D
 Acq: 20 Sep 2018 21:28

Tgt Ion: 93 Resp: 24151
 Ion Ratio Lower Upper
 93 100
 95 81.1 65.8 98.8
 174 104.4 84.0 126.0





#47

Bromodichloromethane

Concen: 21.104 ug/l

RT: 9.65 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

ClientSampled :

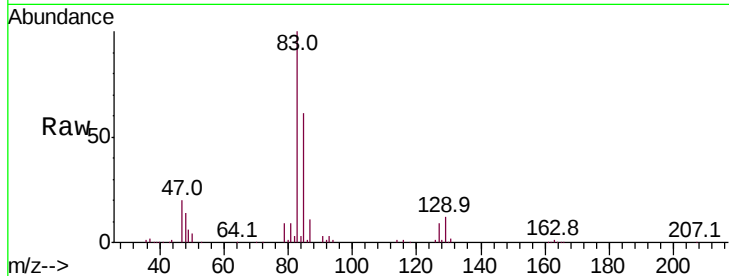
Tot Ion: 83 Resp: 63982

Ion Ratio Lower Upper

83 100

85 61.3 50.5 75.7

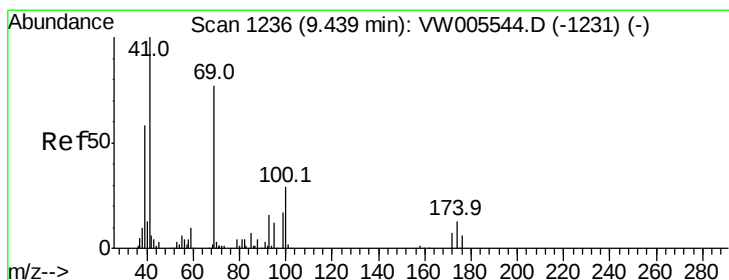
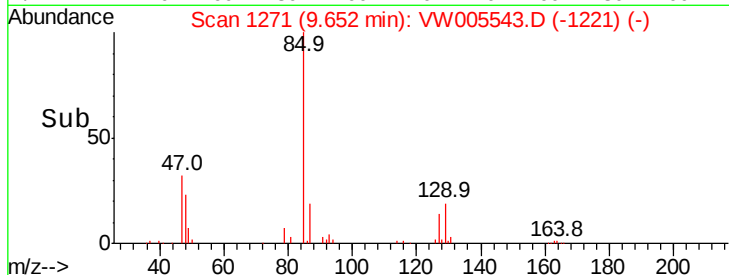
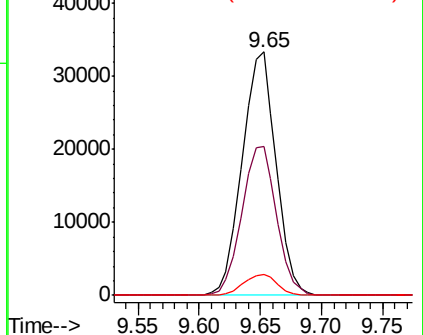
127 8.7 7.0 10.6



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: 20.645 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

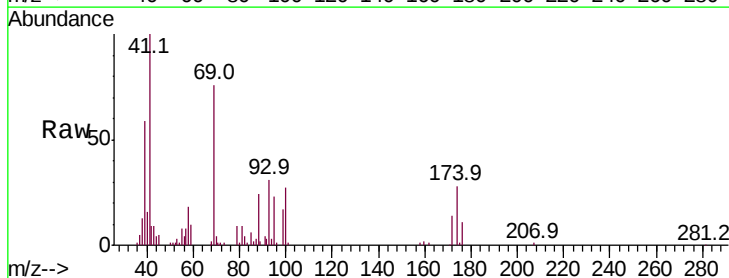
Tgt Ion: 41 Resp: 26585

Ion Ratio Lower Upper

41 100

69 83.4 64.7 97.1

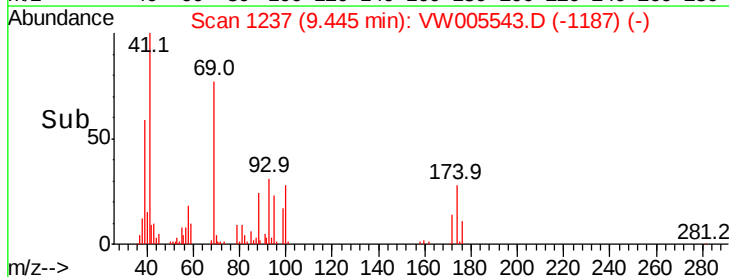
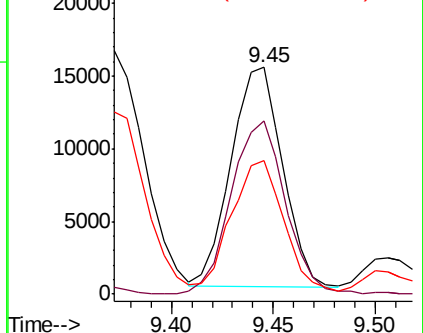
39 62.8 50.5 75.7

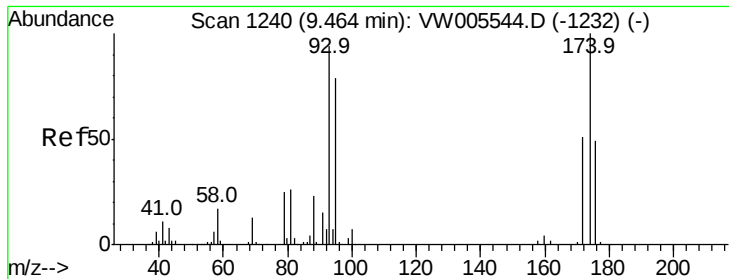


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

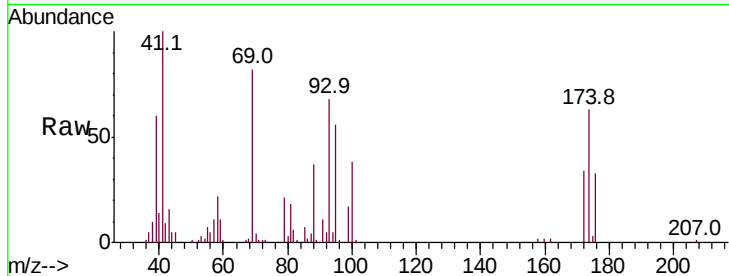




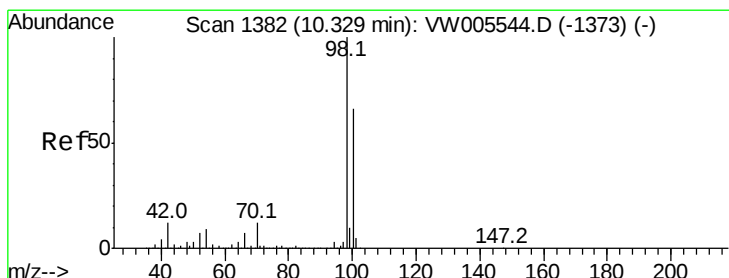
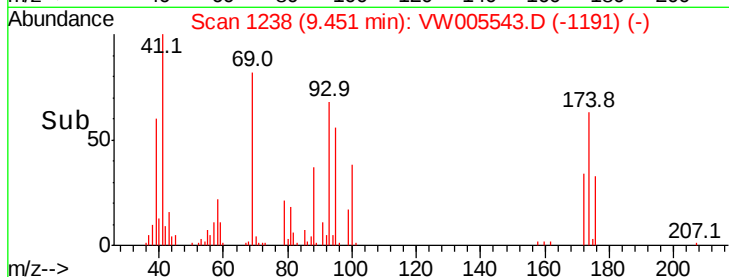
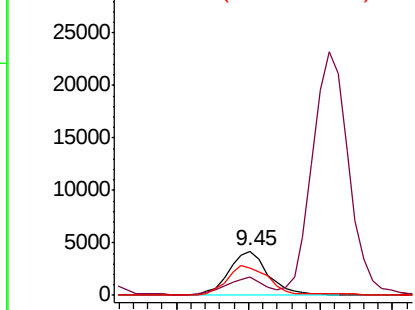
#49
1,4-Dioxane
Concen: 435.972 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 7954
Ion Ratio Lower Upper
88 100
43 40.8 0.0 0.0#
58 72.2 61.2 91.8

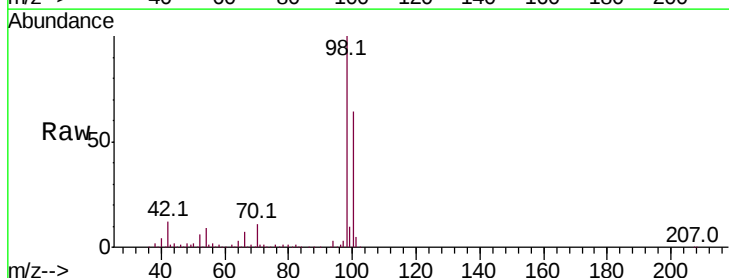


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

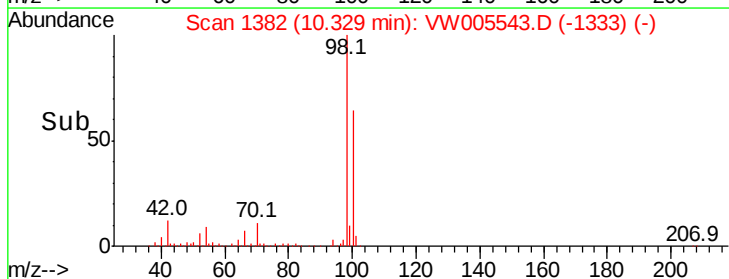
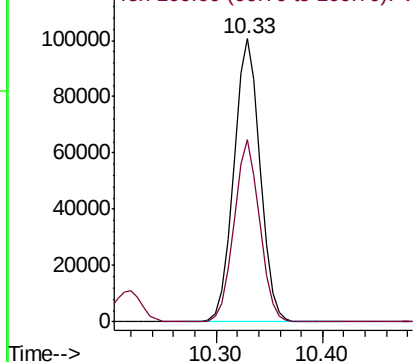


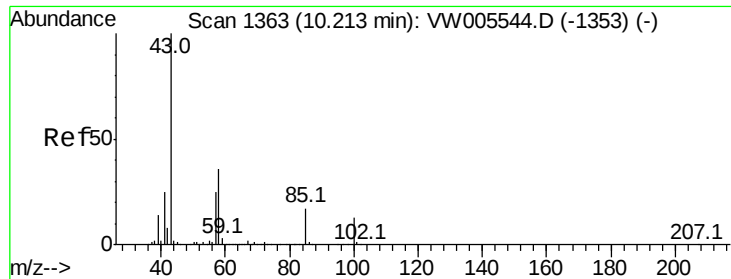
#50
Toluene-d8
Concen: 19.776 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

Tgt Ion: 98 Resp: 173813
Ion Ratio Lower Upper
98 100
100 62.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 106.835 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

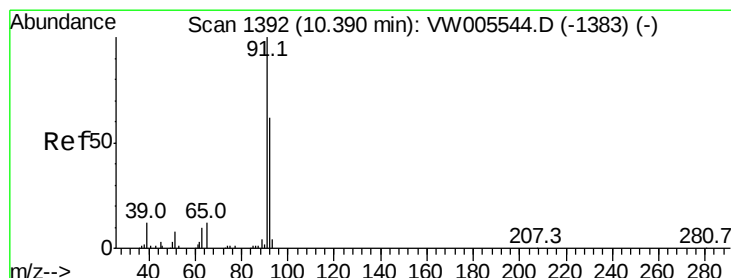
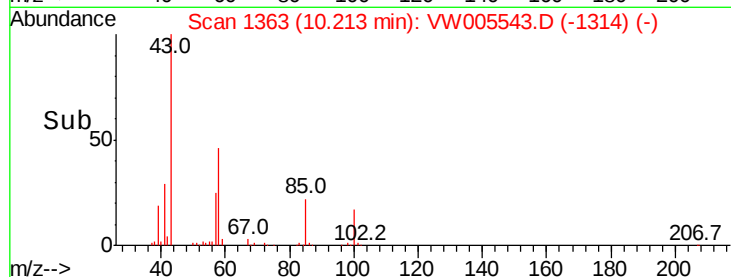
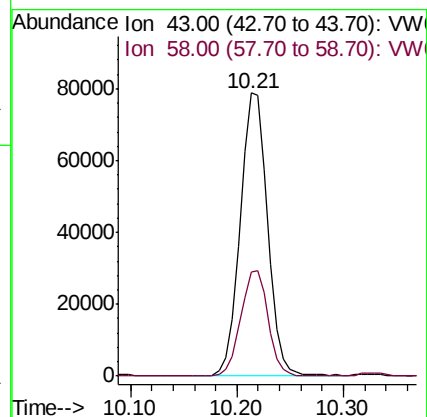
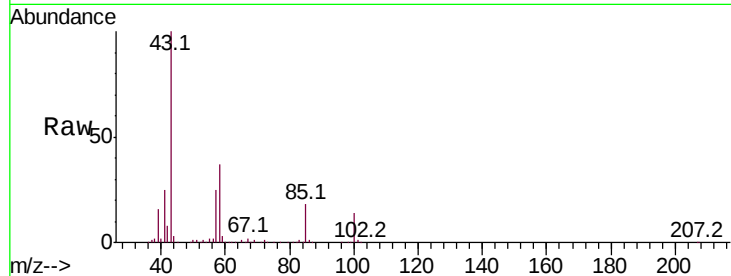
ClientSampleId :

Tot Ion: 43 Resp: 142256

Ion Ratio Lower Upper

43 100

58 37.1 30.0 45.0



#52

Toluene

Concen: 19.689 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005543.D

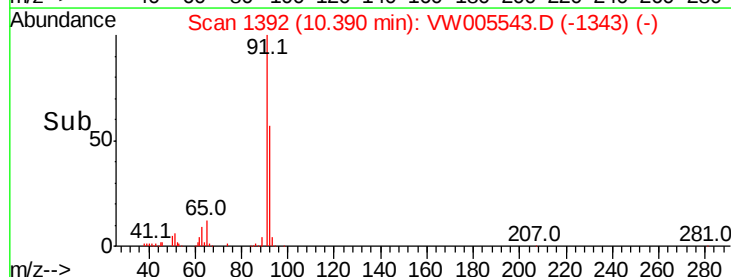
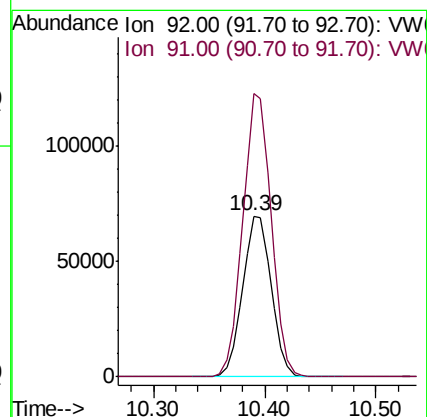
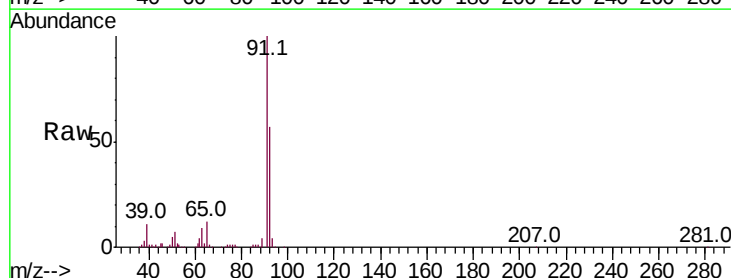
Acq: 20 Sep 2018 21:28

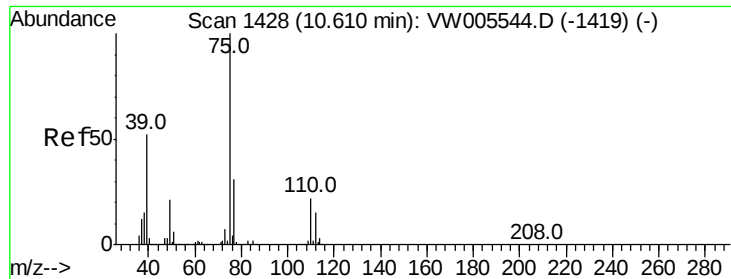
Tgt Ion: 92 Resp: 123921

Ion Ratio Lower Upper

92 100

91 175.4 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 20.783 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

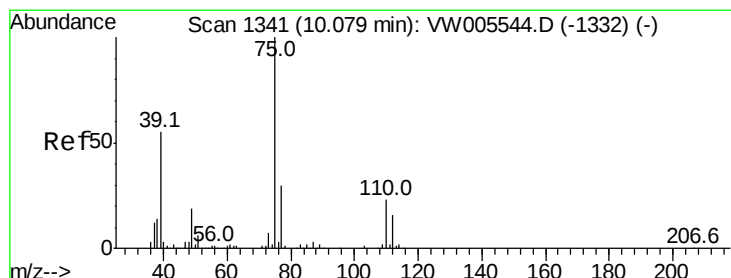
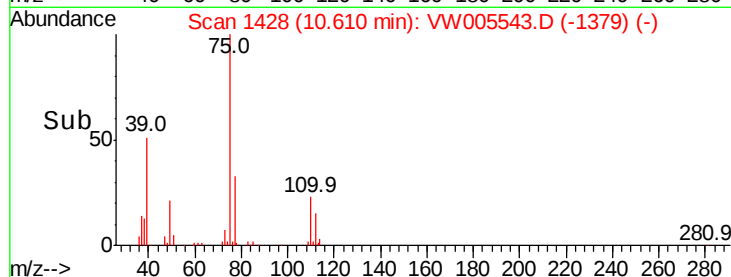
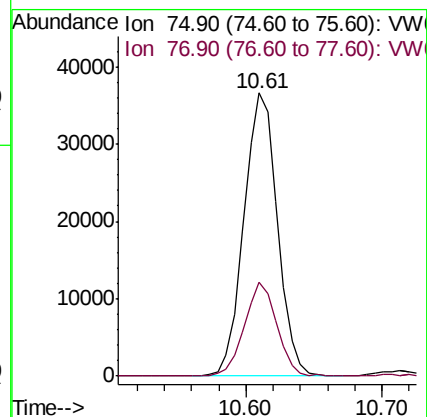
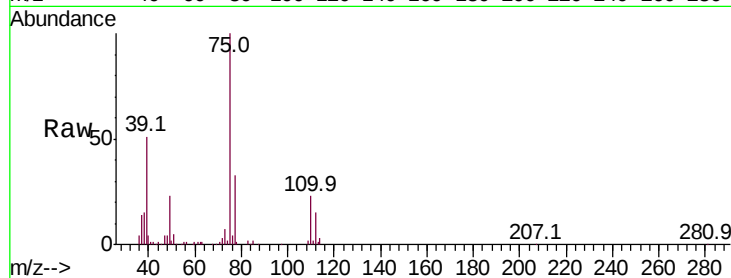
ClientSampleId :

Tot Ion: 75 Resp: 63090

Ion Ratio Lower Upper

75 100

77 32.8 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 21.115 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

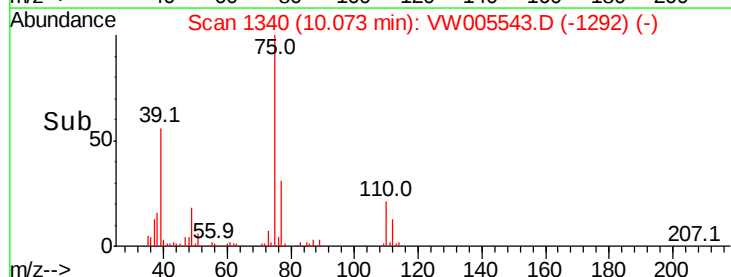
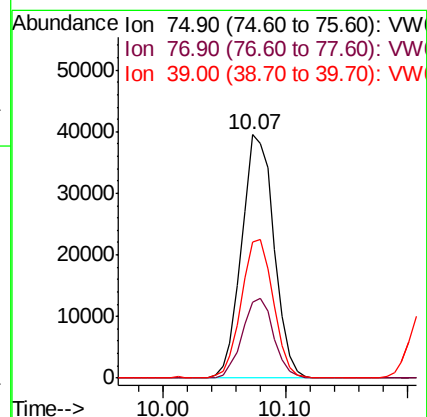
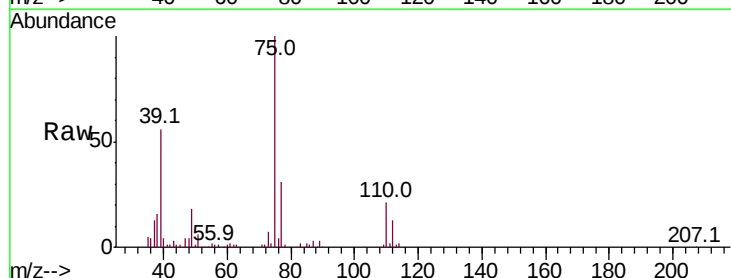
Tgt Ion: 75 Resp: 72541

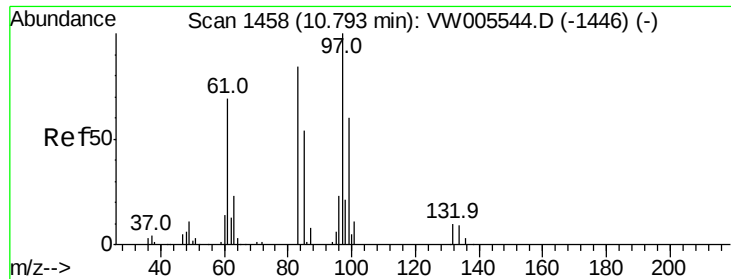
Ion Ratio Lower Upper

75 100

77 31.4 24.3 36.5

39 55.8 43.7 65.5





#55

1,1,2-Trichloroethane

Concen: 20.623 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 34180

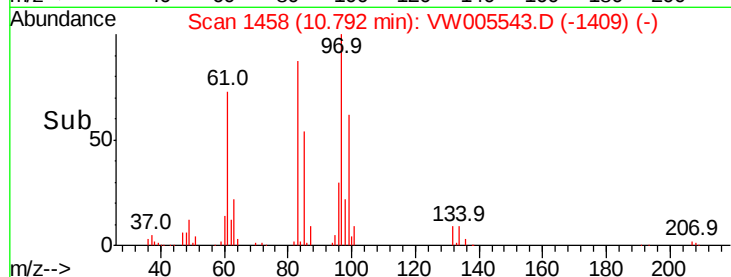
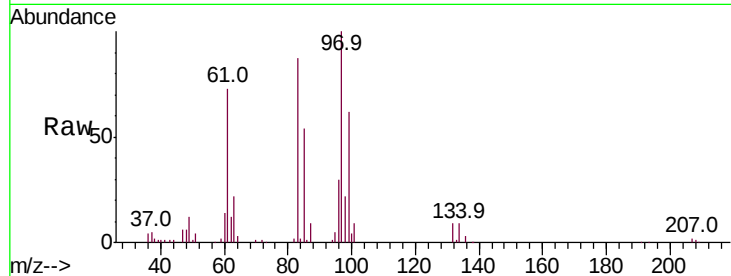
Ion	Ratio	Lower	Upper
97	100		
83	87.1	67.4	101.2
85	54.2	43.3	64.9
99	62.1	48.0	72.0

97 100

83 87.1 67.4 101.2

85 54.2 43.3 64.9

99 62.1 48.0 72.0



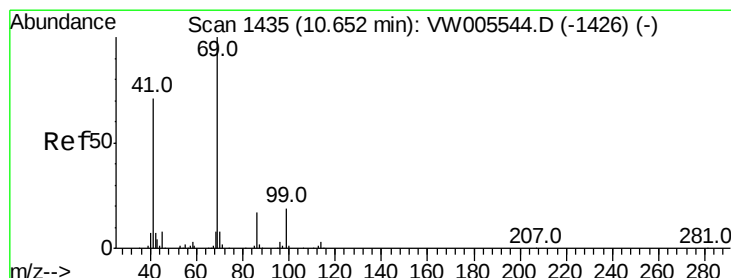
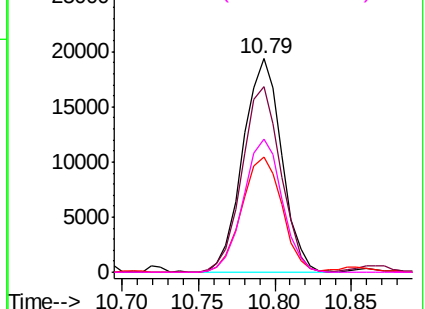
Abundance

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: 19.791 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

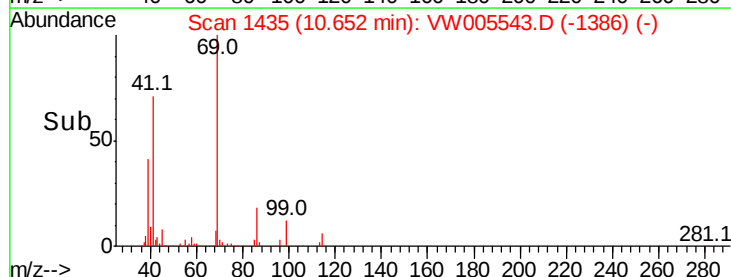
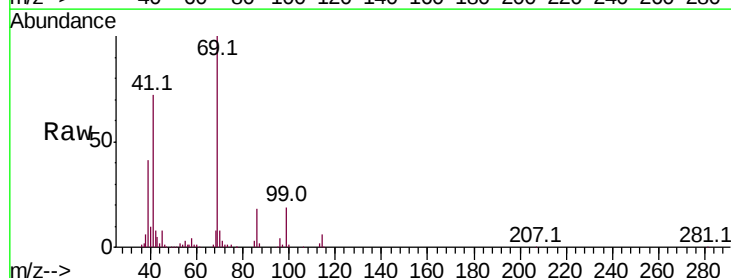
Tgt Ion: 69 Resp: 41061

Ion	Ratio	Lower	Upper
69	100		
41	71.0	57.3	85.9
39	37.0	29.2	43.8

69 100

41 71.0 57.3 85.9

39 37.0 29.2 43.8

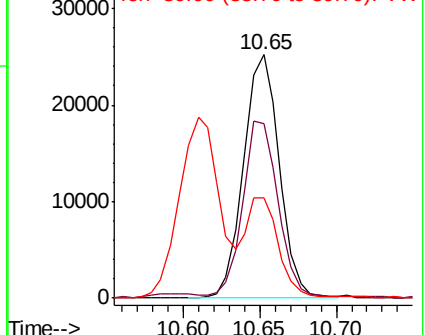


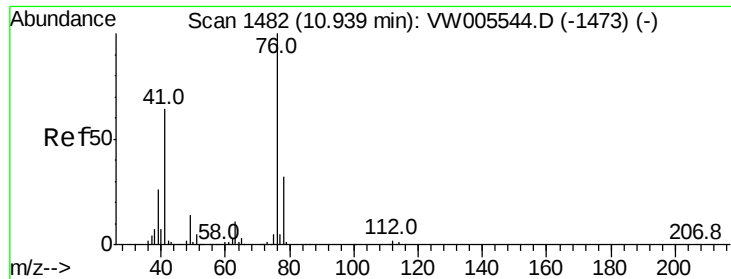
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

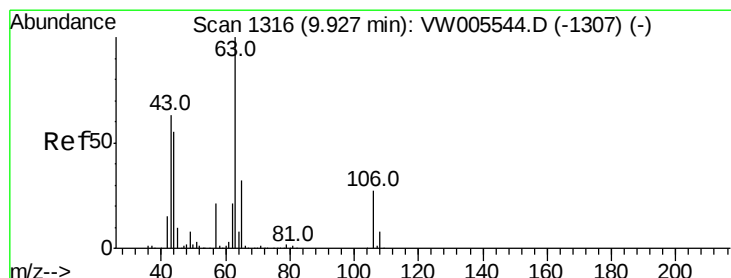
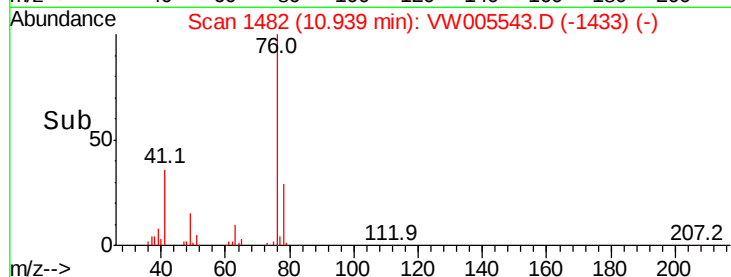
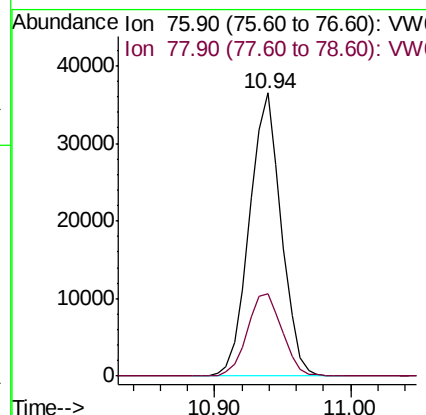
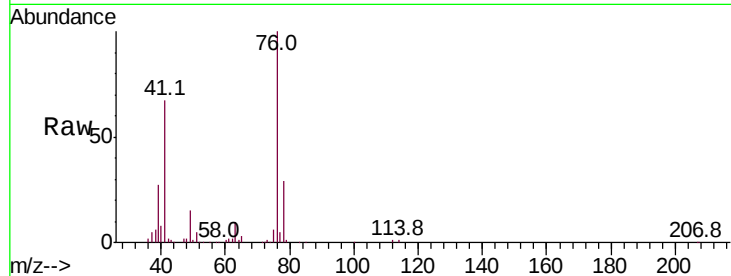




#57
 1,3-Dichloropropane
 Concen: 20.958 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW005543.D
 Acq: 20 Sep 2018 21:28

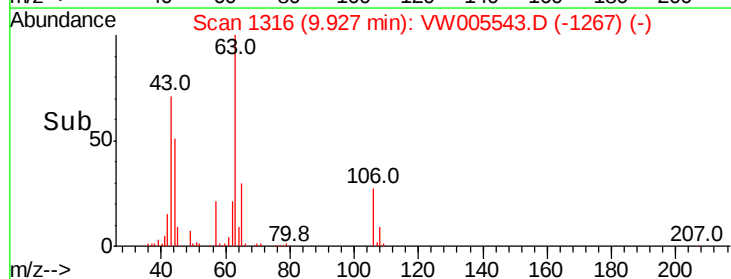
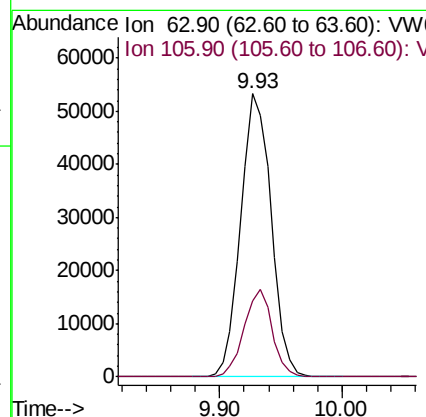
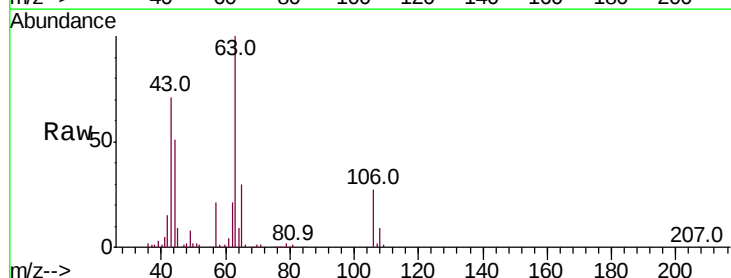
Instrument :
 MSVOA_W
 ClientSampled :

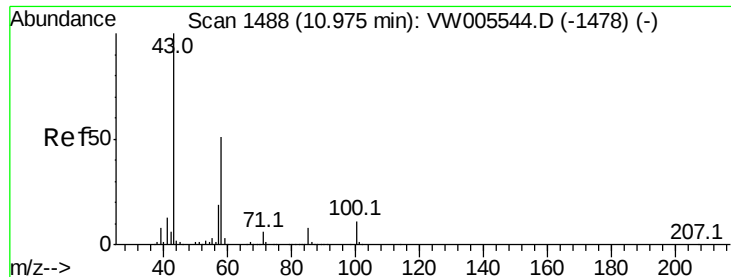
Tot Ion: 76 Resp: 59838
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.359 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW005543.D
 Acq: 20 Sep 2018 21:28

Tgt Ion: 63 Resp: 91866
 Ion Ratio Lower Upper
 63 100
 106 28.8 21.6 32.4

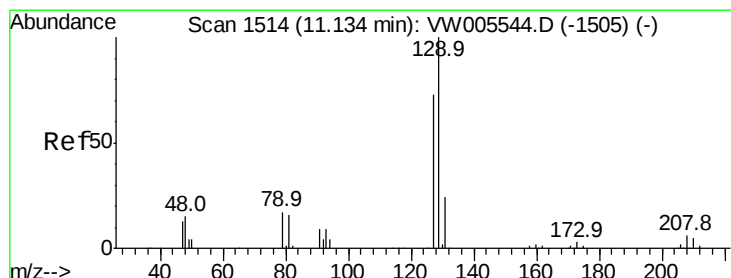
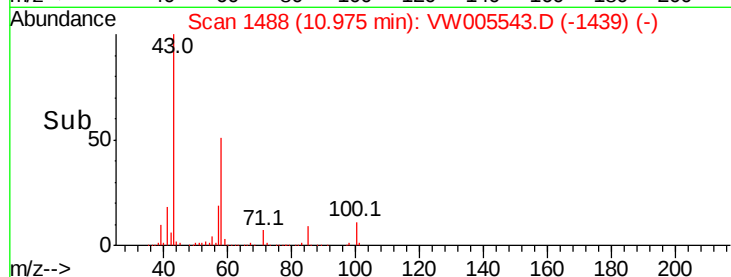
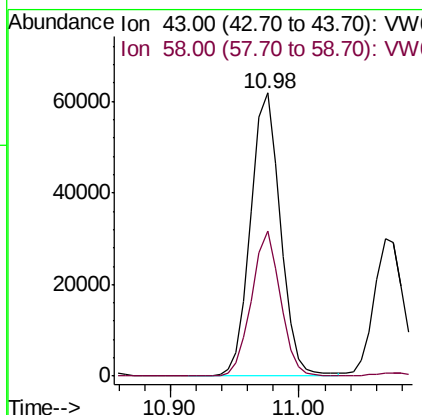
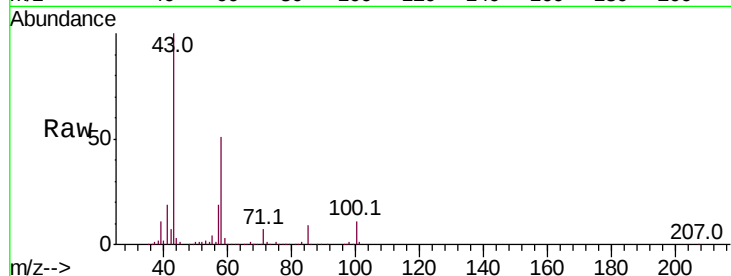




#59
2-Hexanone
Concen: 109.278 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

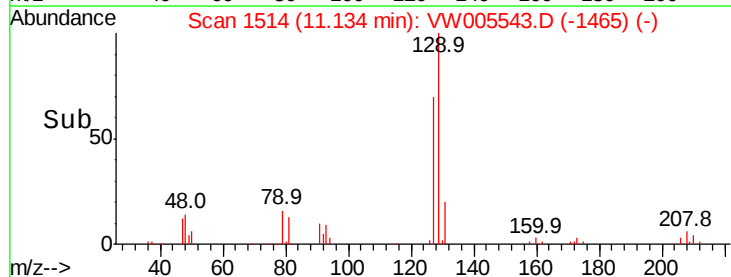
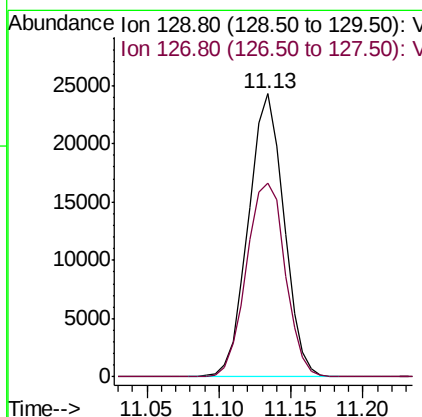
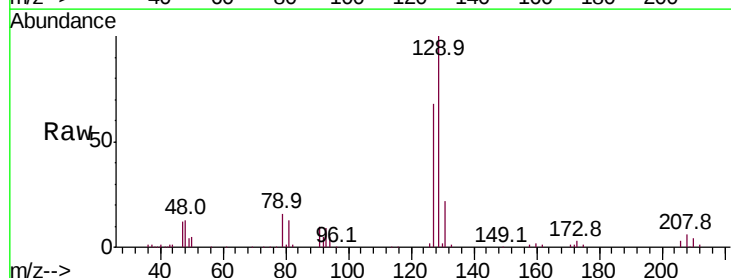
Instrument :
MSVOA_W
ClientSampleId :

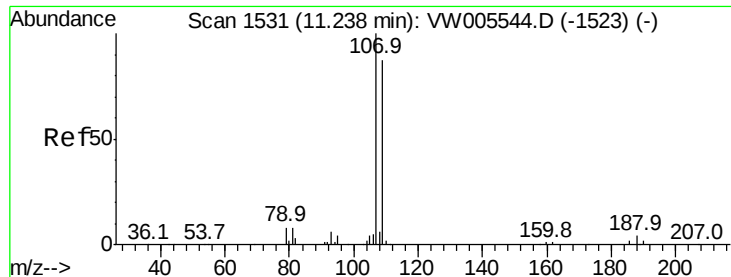
Tot Ion: 43 Resp: 98744
Ion Ratio Lower Upper
43 100
58 49.6 25.3 75.9



#60
Dibromochloromethane
Concen: 20.863 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

Tgt Ion: 129 Resp: 41542
Ion Ratio Lower Upper
129 100
127 74.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 21.396 ug/l

RT: 11.24 min Scan# 1532

Delta R.T. 0.01 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

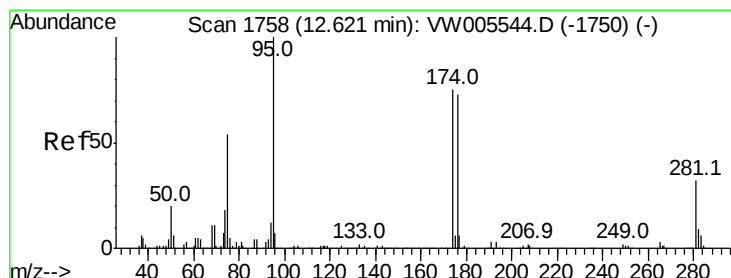
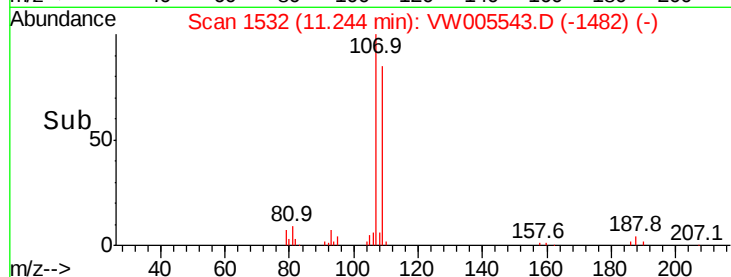
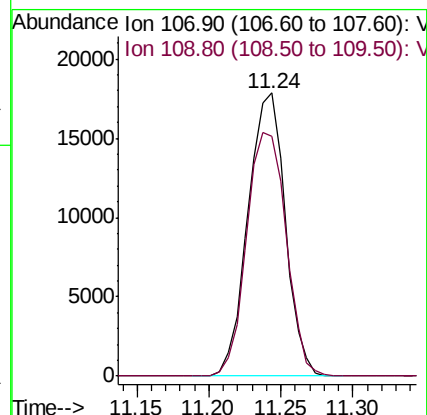
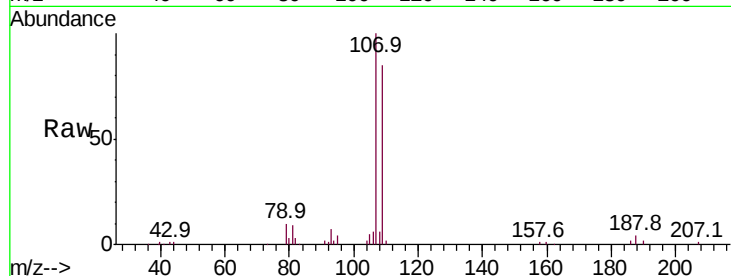
ClientSampleId :

Tot Ion:107 Resp: 31912

Ion Ratio Lower Upper

107 100

109 91.5 73.4 110.0



#62

4-Bromofluorobenzene

Concen: 20.040 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

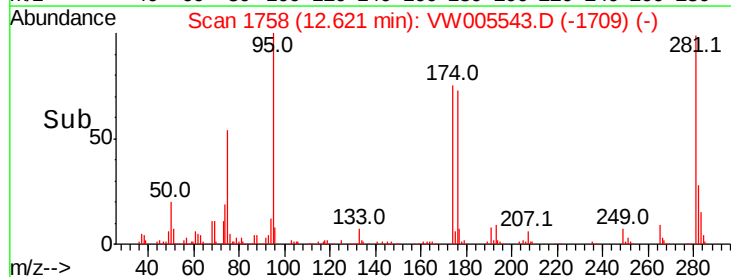
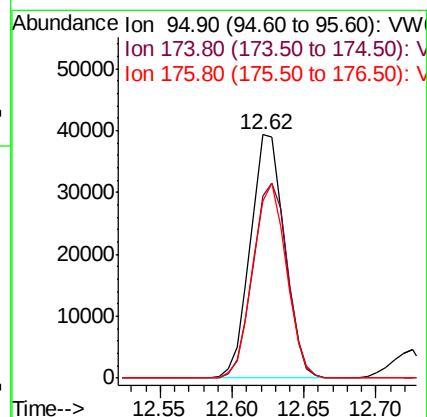
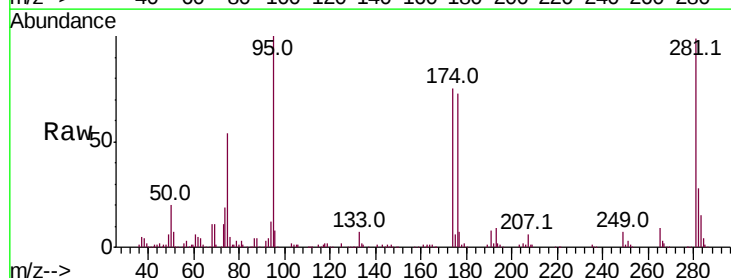
Tgt Ion: 95 Resp: 64449

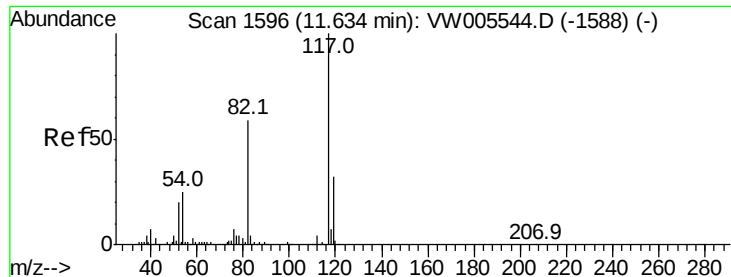
Ion Ratio Lower Upper

95 100

174 81.4 0.0 163.8

176 78.9 0.0 158.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

ClientSampleId :

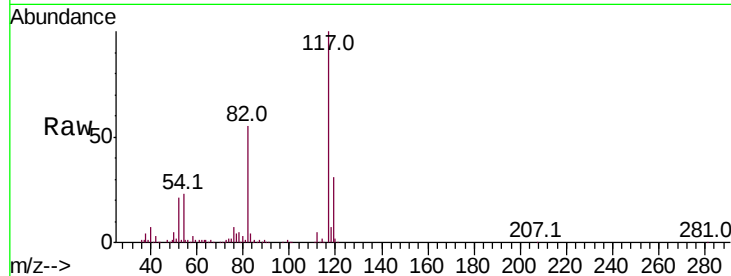
Tot Ion:117 Resp: 314111

Ion Ratio Lower Upper

117 100

82 55.0 46.9 70.3

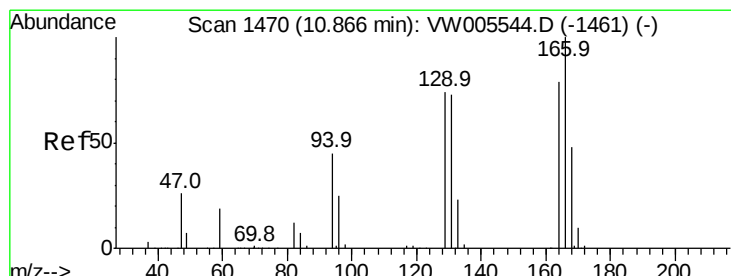
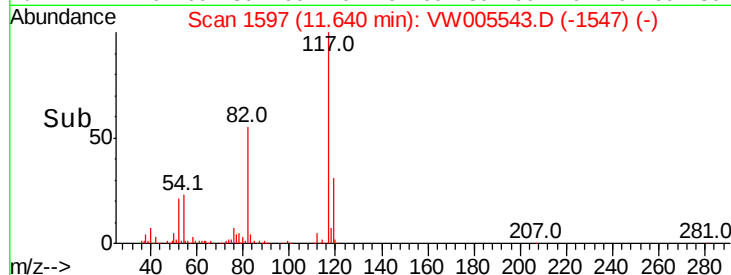
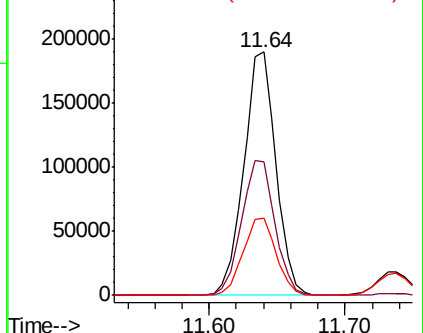
119 31.5 25.7 38.5



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: 19.550 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Tgt Ion:164 Resp: 45124

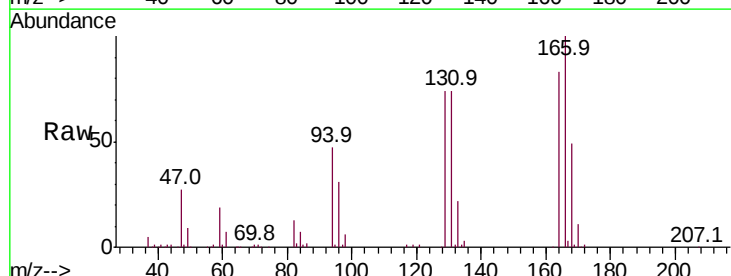
Ion Ratio Lower Upper

164 100

166 121.0 101.1 151.7

129 89.0 74.4 111.6

131 90.1 73.8 110.6

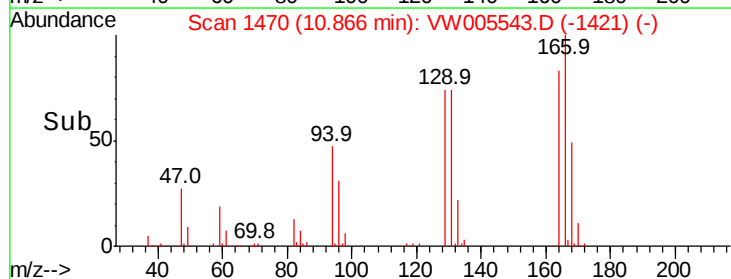
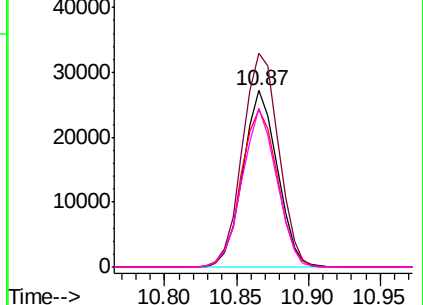


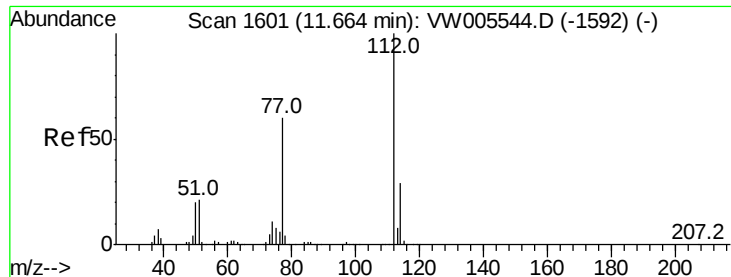
Abundance Ion 163.80 (163.50 to 164.50): V

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

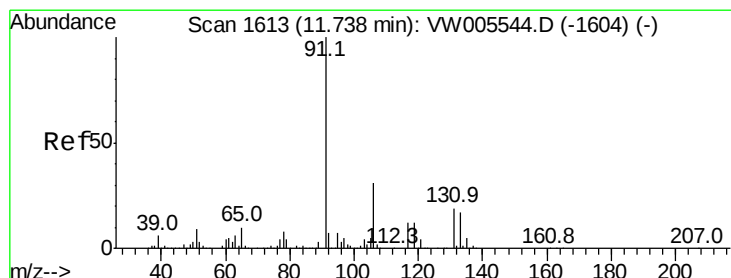
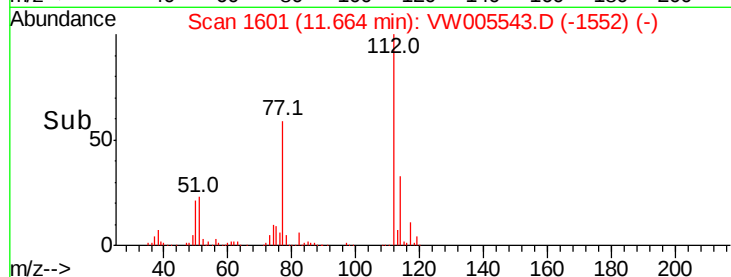
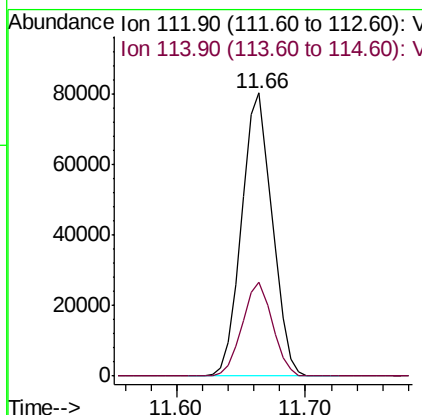
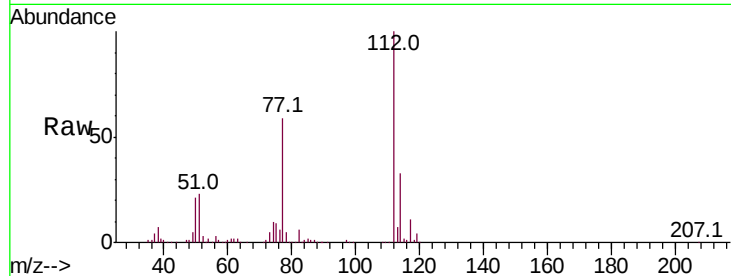




#65
Chlorobenzene
Concen: 19.636 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

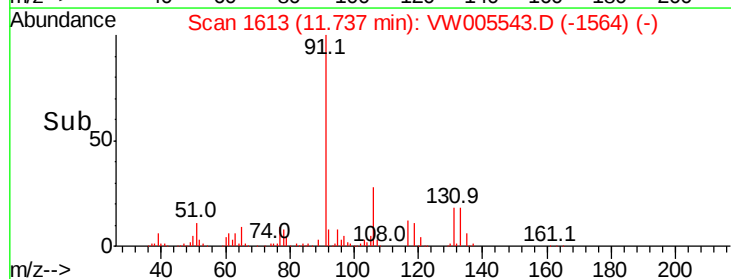
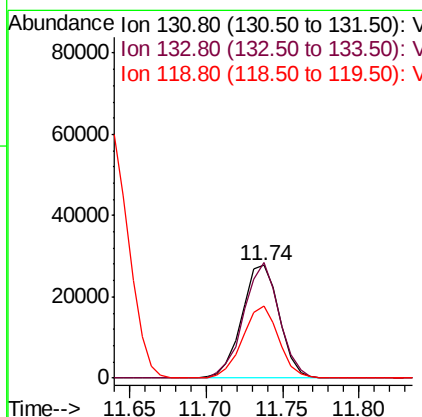
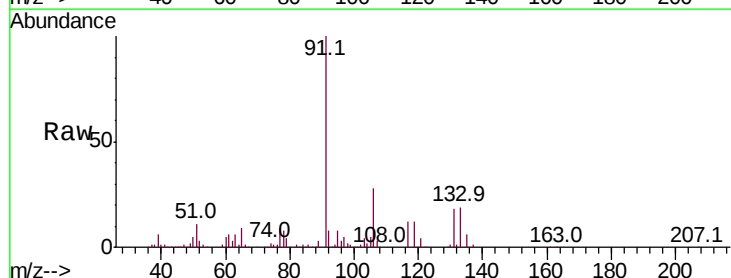
Instrument :
MSVOA_W
ClientSampleId :

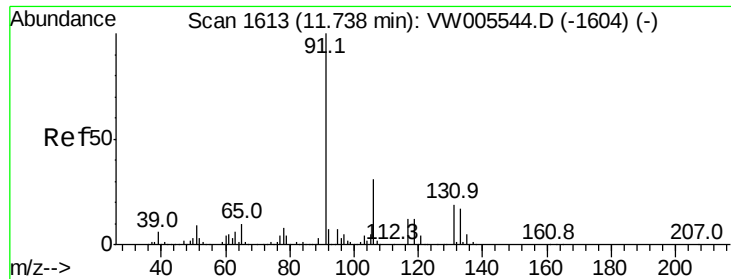
Tot Ion:112 Resp: 131552
Ion Ratio Lower Upper
112 100
114 33.3 22.9 34.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.619 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

Tgt Ion:131 Resp: 47336
Ion Ratio Lower Upper
131 100
133 97.4 47.2 141.6
119 62.3 31.1 93.2

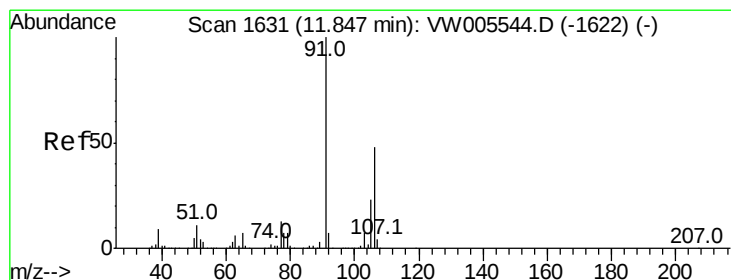
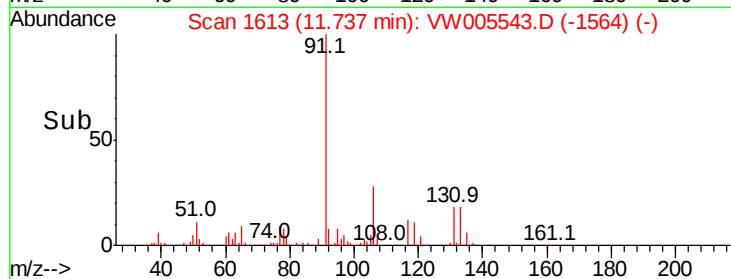
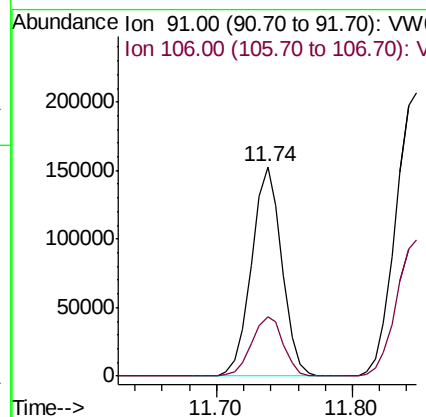
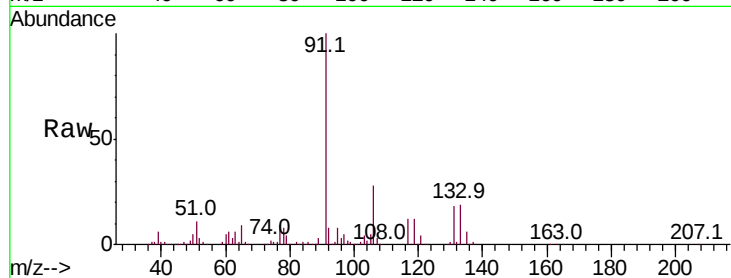




#67
Ethyl Benzene
Concen: 20.202 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

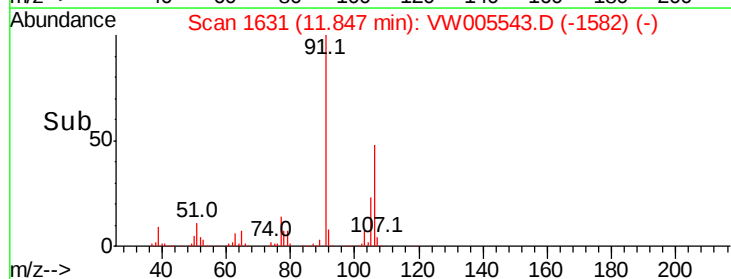
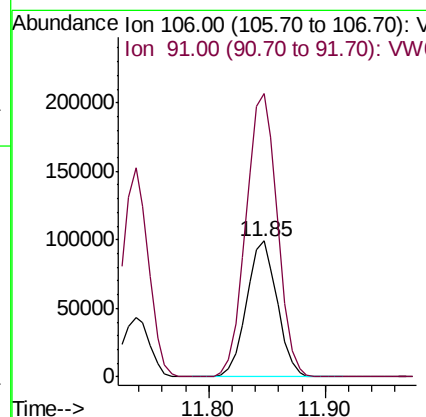
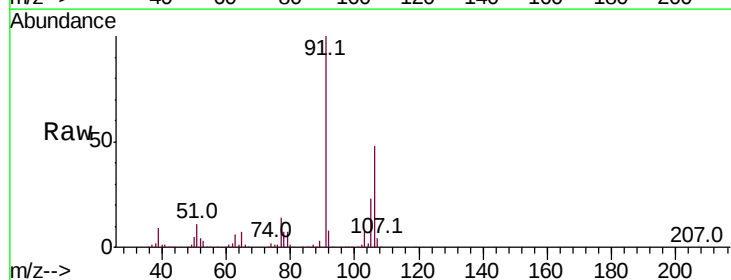
Instrument :
MSVOA_W
ClientSampled :

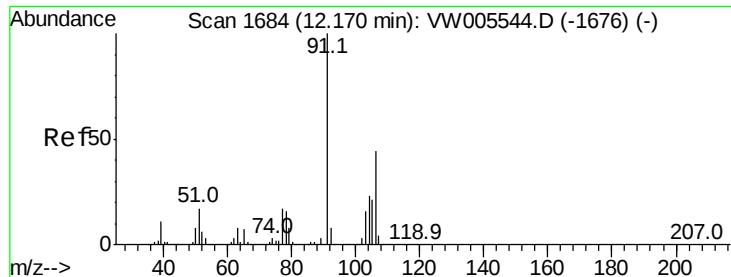
Tot Ion: 91 Resp: 238082
Ion Ratio Lower Upper
91 100
106 28.5 24.4 36.6



#68
m/p-Xylenes
Concen: 40.025 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

Tgt Ion:106 Resp: 181127
Ion Ratio Lower Upper
106 100
91 213.6 167.8 251.8

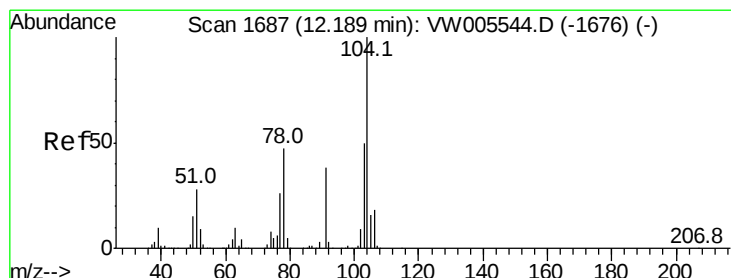
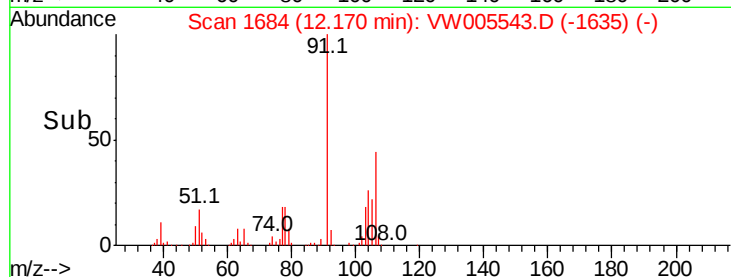
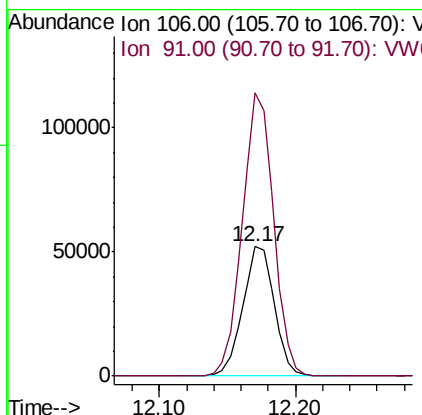
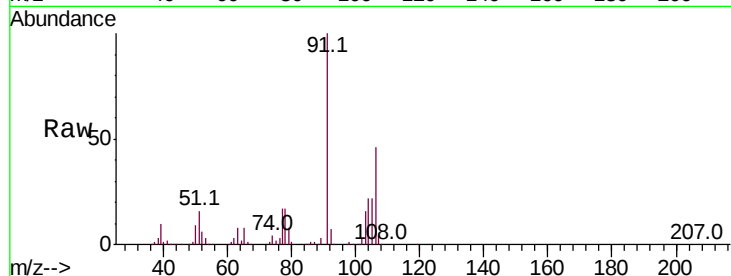




#69
o-Xylene
Concen: 20.019 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

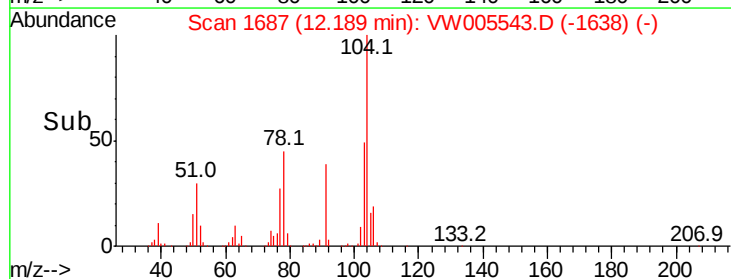
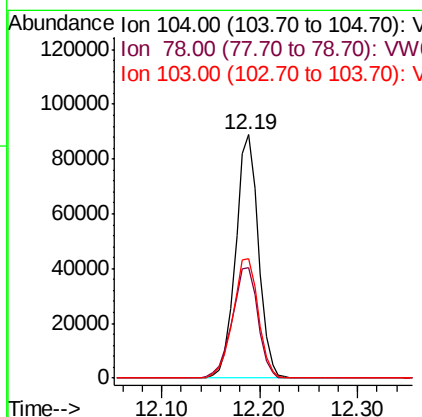
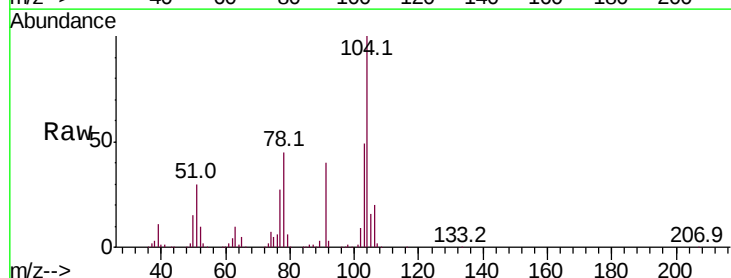
Instrument :
MSVOA_W
ClientSampled :

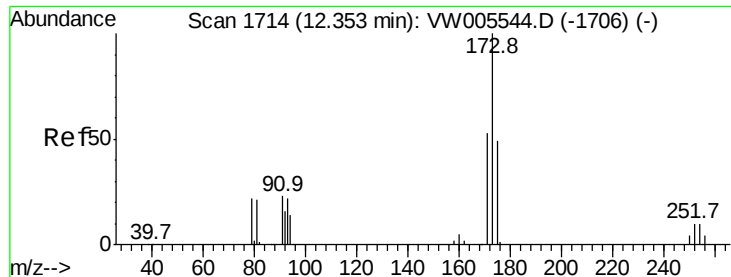
Tot Ion:106 Resp: 84337
Ion Ratio Lower Upper
106 100
91 218.1 111.0 333.0



#70
Styrene
Concen: 20.516 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

Tgt Ion:104 Resp: 143209
Ion Ratio Lower Upper
104 100
78 51.7 42.2 63.4
103 54.9 44.6 66.8





#71

Bromoform

Concen: 21.963 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

ClientSampleId :

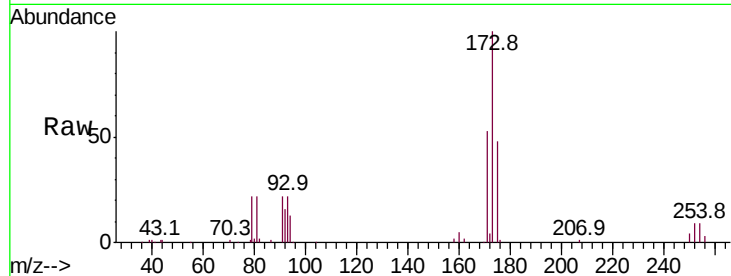
Tot Ion:173 Resp: 25405

Ion Ratio Lower Upper

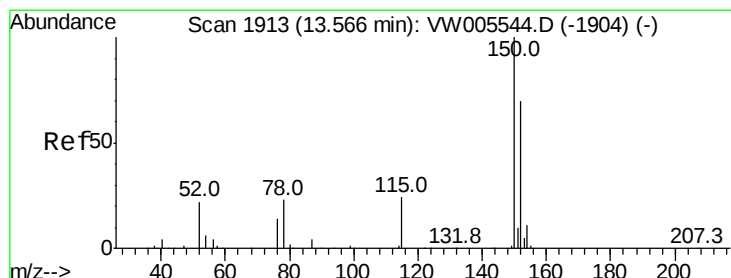
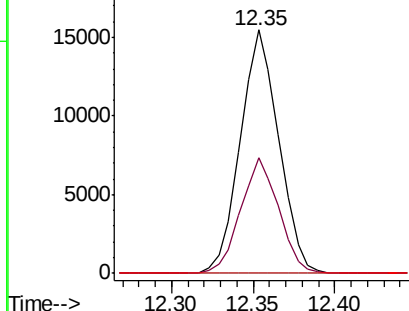
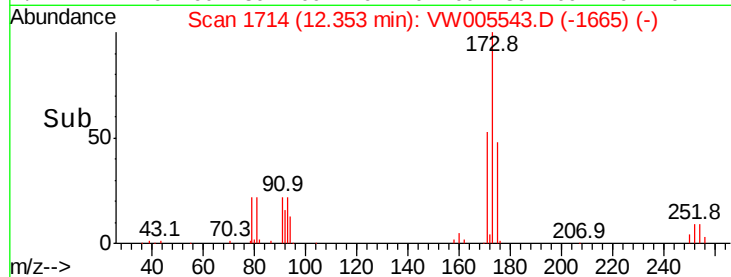
173 100

175 46.8 24.3 72.9

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

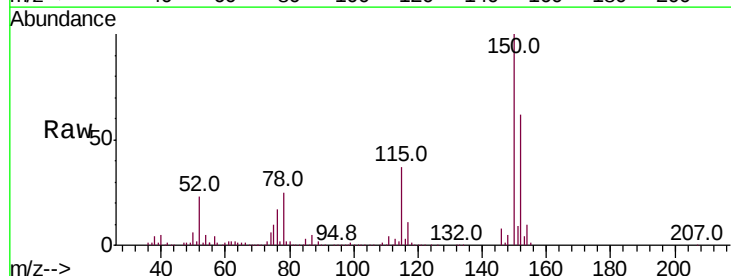
Tgt Ion:152 Resp: 177511

Ion Ratio Lower Upper

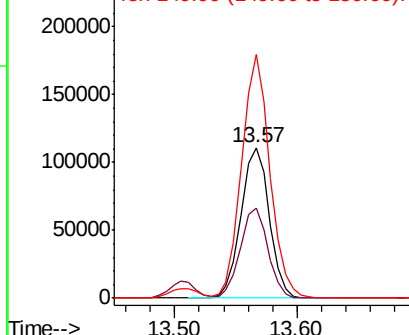
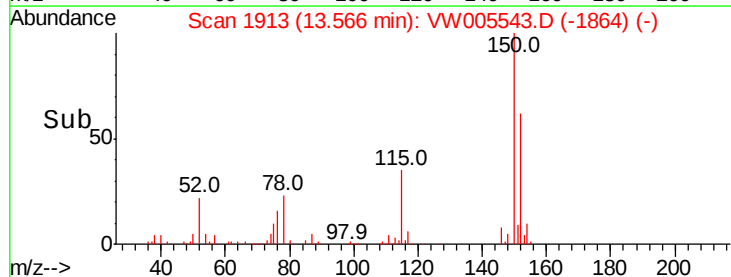
152 100

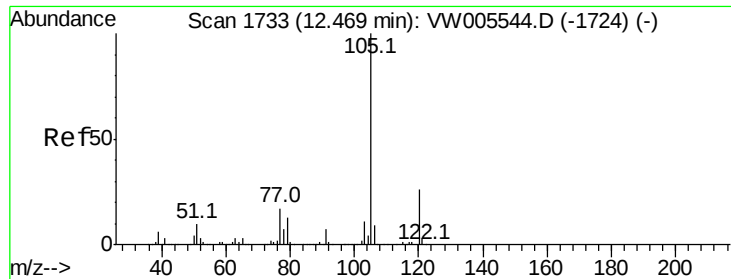
115 58.5 30.0 90.0

150 161.5 0.0 348.6



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

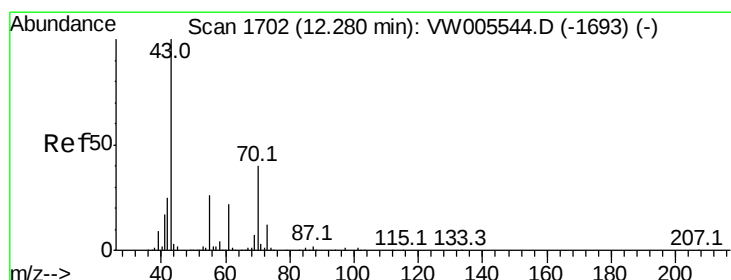
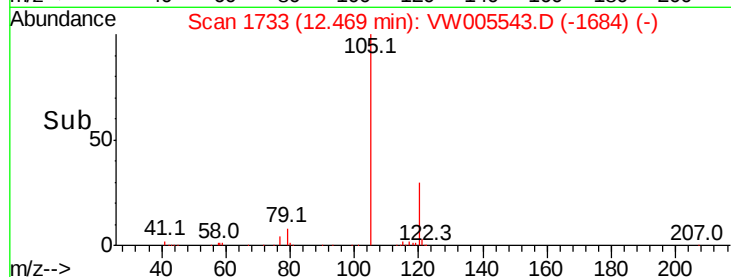
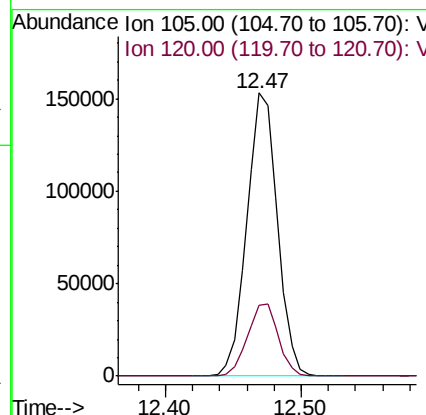
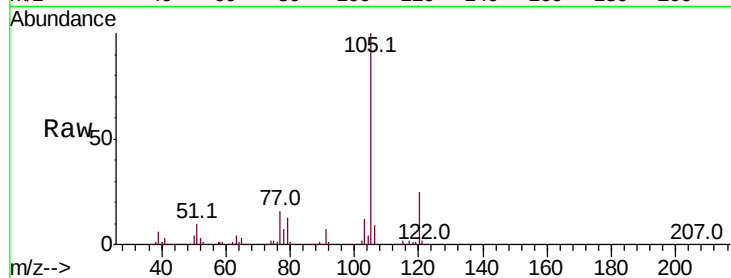




#73
Isopropylbenzene
Concen: 19.222 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

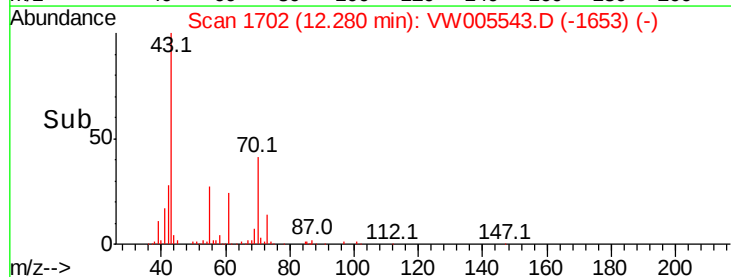
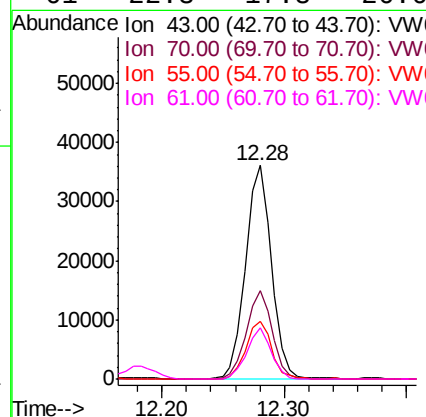
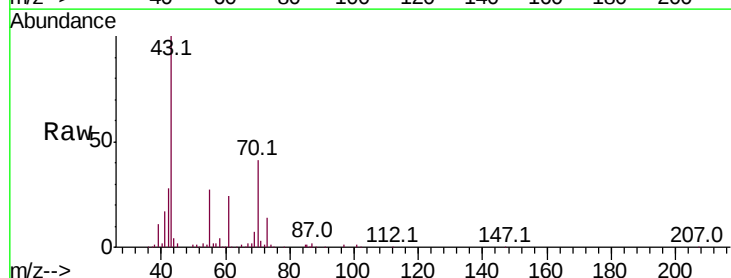
Instrument :
MSVOA_W
ClientSampleId :

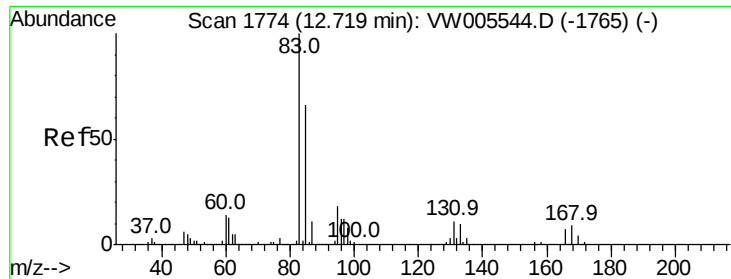
Tot Ion:105 Resp: 240392
Ion Ratio Lower Upper
105 100
120 25.8 12.9 38.7



#74
N-ethyl acetate
Concen: 20.030 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

Tgt Ion: 43 Resp: 53115
Ion Ratio Lower Upper
43 100
70 40.9 31.4 47.0
55 26.8 20.9 31.3
61 22.3 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.408 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

ClientSampled :

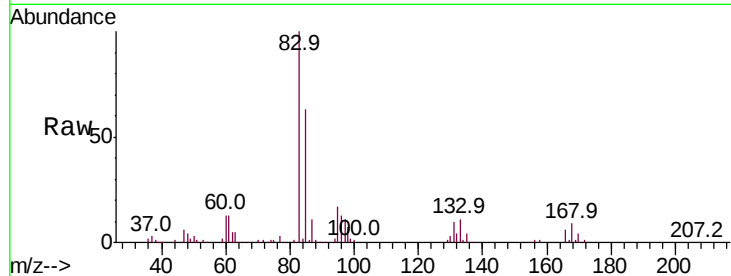
Tot Ion: 83 Resp: 39864

Ion Ratio Lower Upper

83 100

131 10.7 5.5 16.7

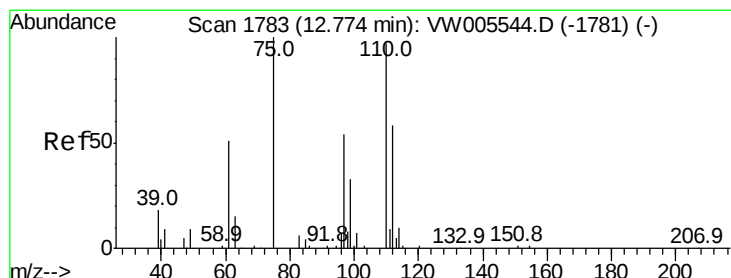
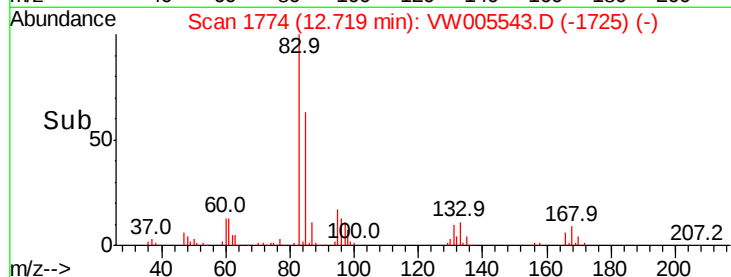
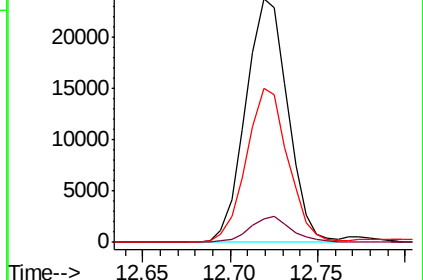
85 63.1 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 38.602 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005543.D

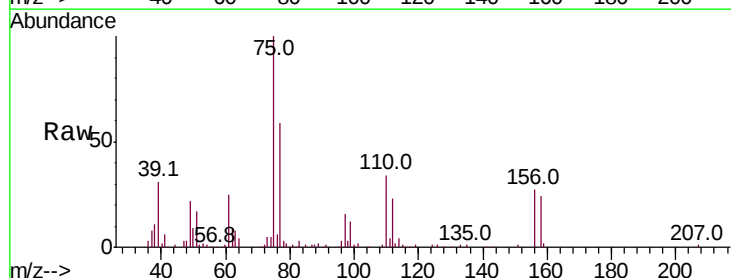
Acq: 20 Sep 2018 21:28

Tgt Ion: 75 Resp: 57109

Ion Ratio Lower Upper

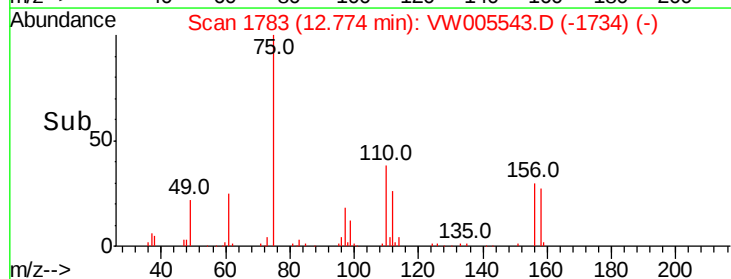
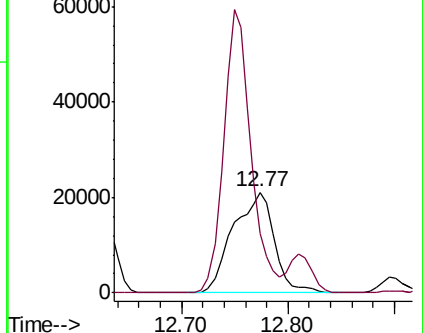
75 100

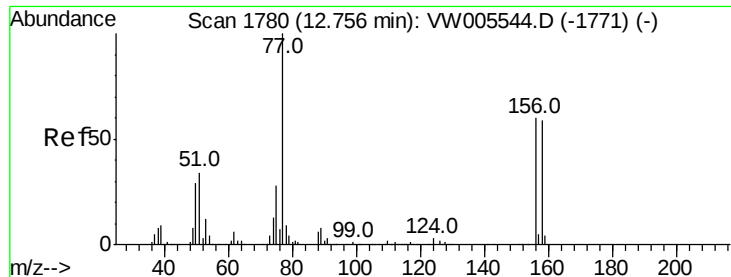
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 18.762 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

ClientSampleId :

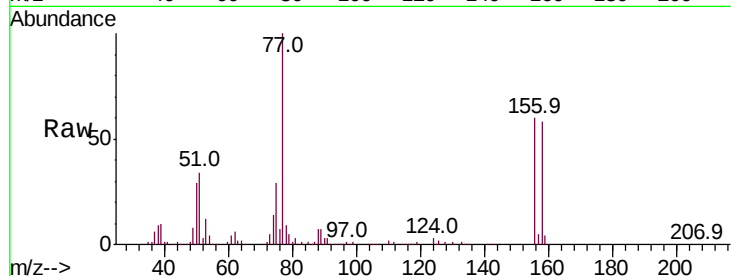
Tot Ion:156 Resp: 55297

Ion Ratio Lower Upper

156 100

77 191.8 94.7 284.1

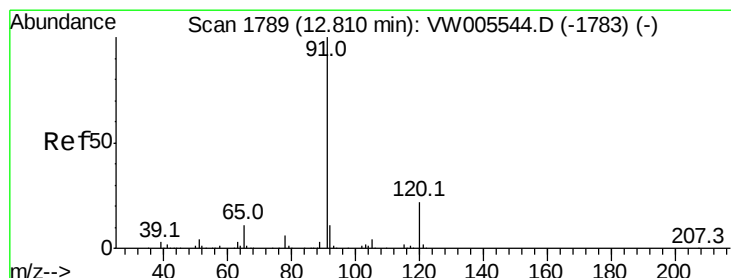
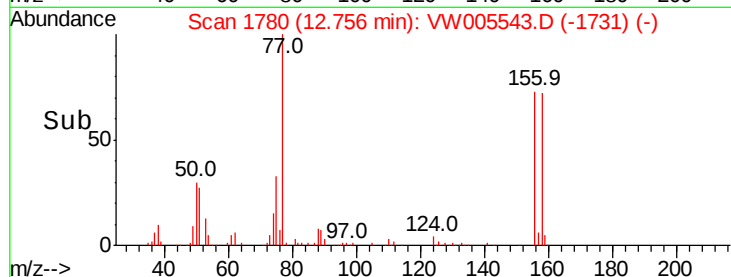
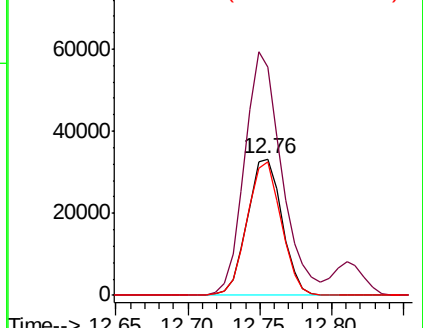
158 95.9 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): VW

Ion 157.80 (157.50 to 158.10): V



#78

n-propylbenzene

Concen: 19.627 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005543.D

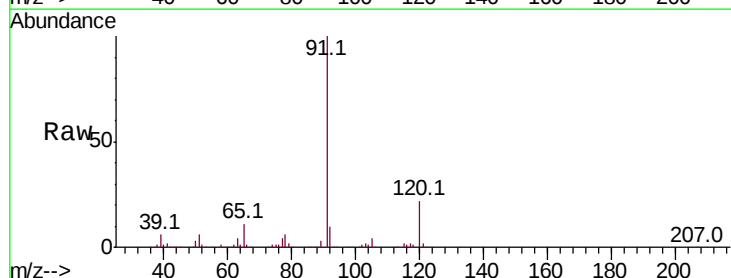
Acq: 20 Sep 2018 21:28

Tgt Ion: 91 Resp: 296113

Ion Ratio Lower Upper

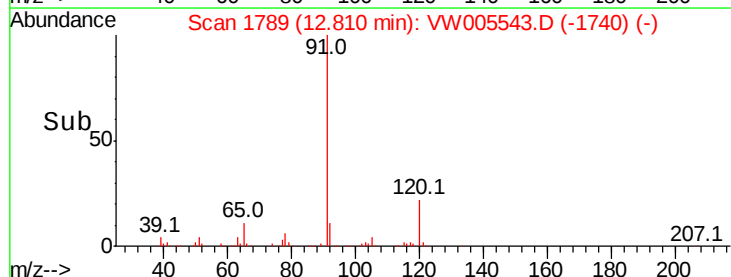
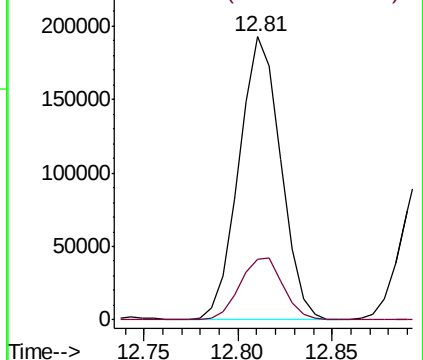
91 100

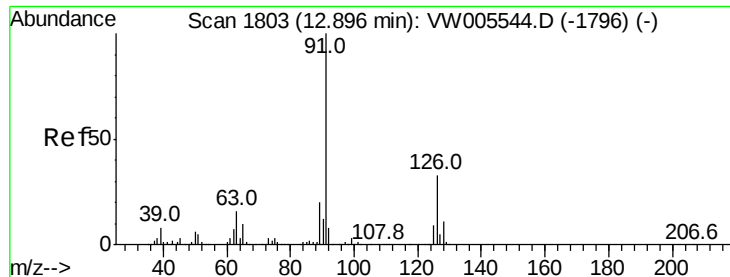
120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.30): VW

Ion 120.00 (119.70 to 120.30): V





#79

2-Chlorotoluene

Concen: 19.247 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

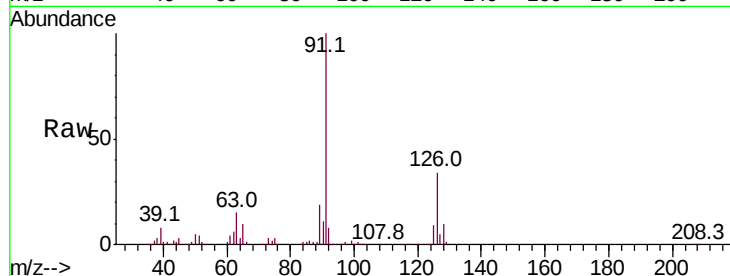
ClientSampled :

Tot Ion: 91 Resp: 170688

Ion Ratio Lower Upper

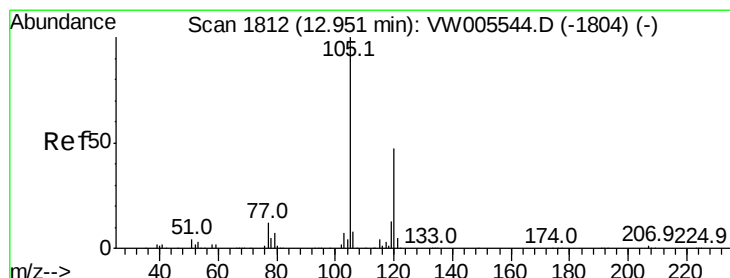
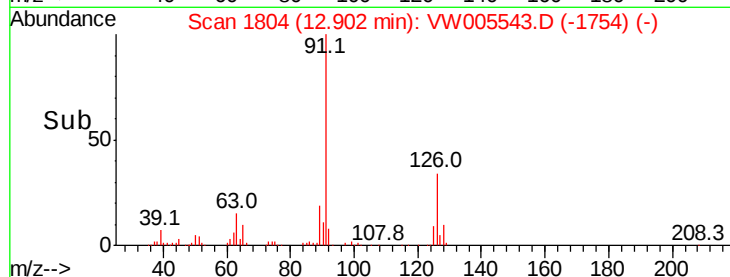
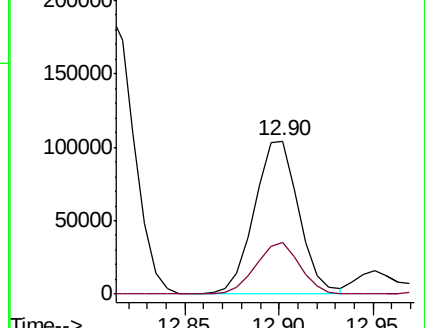
91 100

126 33.2 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.807 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005543.D

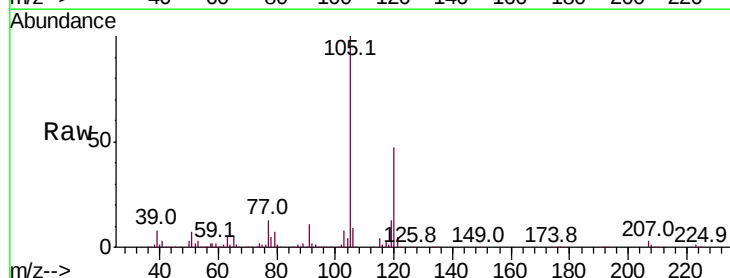
Acq: 20 Sep 2018 21:28

Tgt Ion:105 Resp: 215489

Ion Ratio Lower Upper

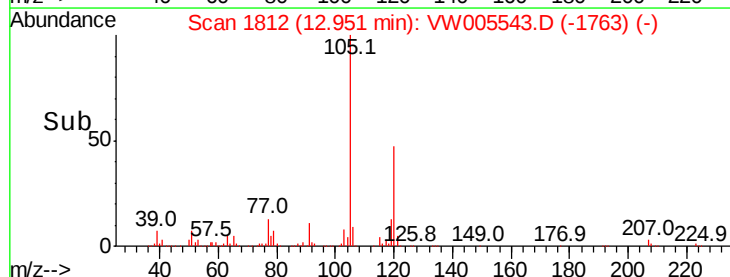
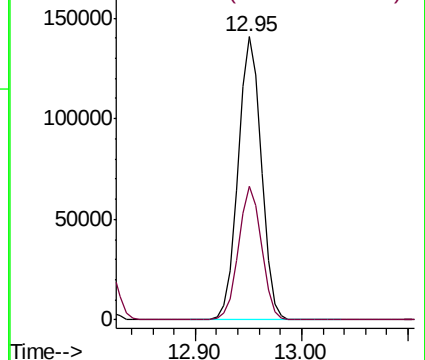
105 100

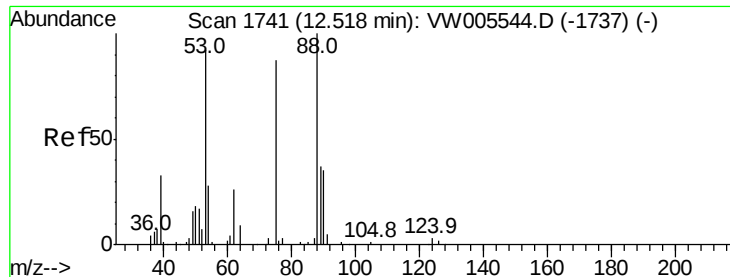
120 46.9 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 22.519 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

ClientSampled :

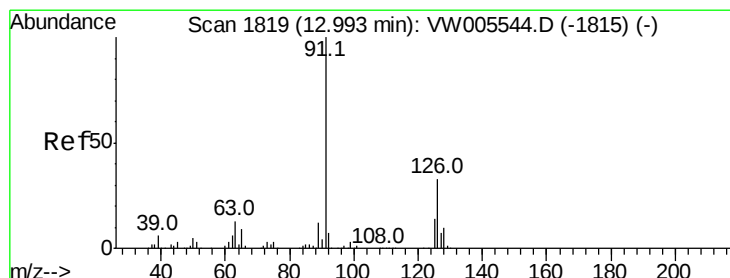
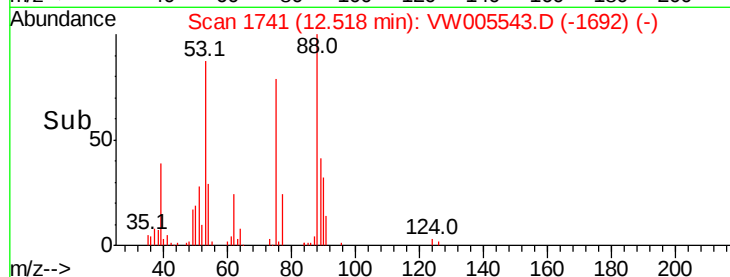
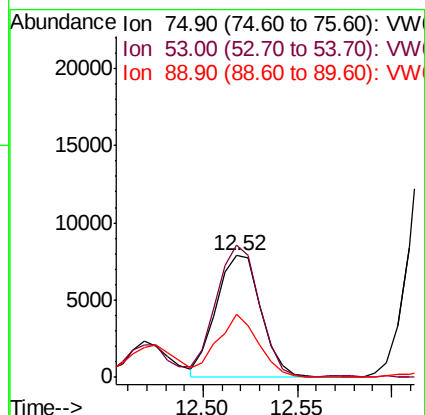
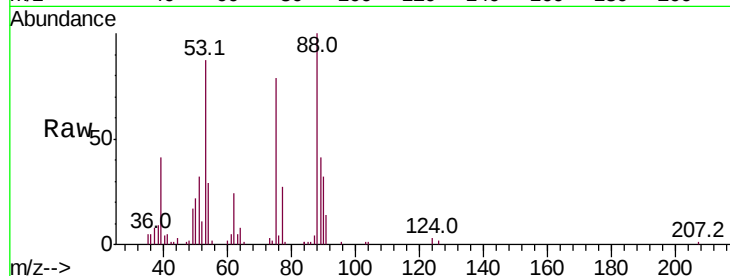
Tot Ion: 75 Resp: 13067

Ion	Ratio	Lower	Upper
75	100		
53	106.6	85.8	128.6
89	47.0	37.3	55.9

75 100

53 106.6 85.8 128.6

89 47.0 37.3 55.9



#82

4-Chlorotoluene

Concen: 19.364 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW005543.D

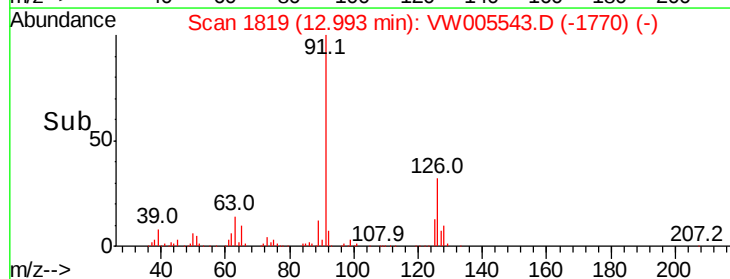
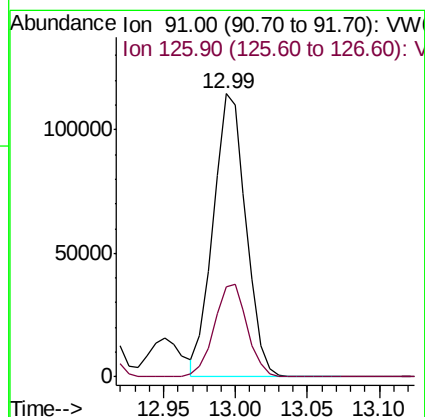
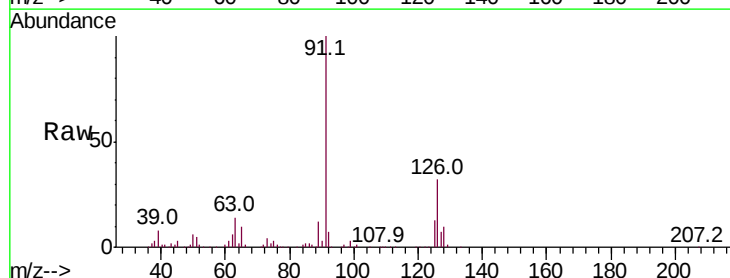
Acq: 20 Sep 2018 21:28

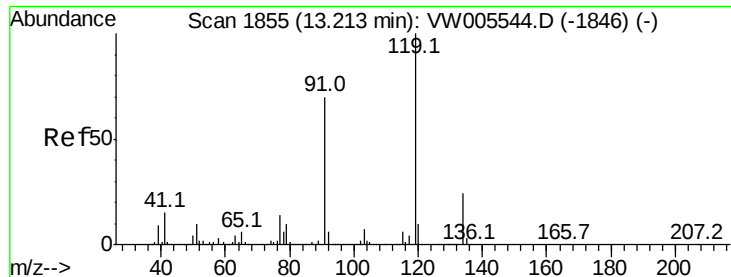
Tgt Ion: 91 Resp: 181427

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

91 100

126 33.1 16.4 49.4

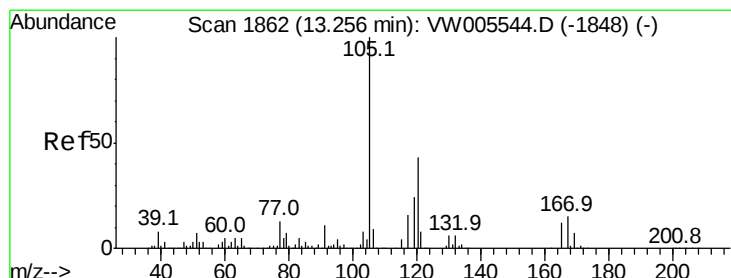
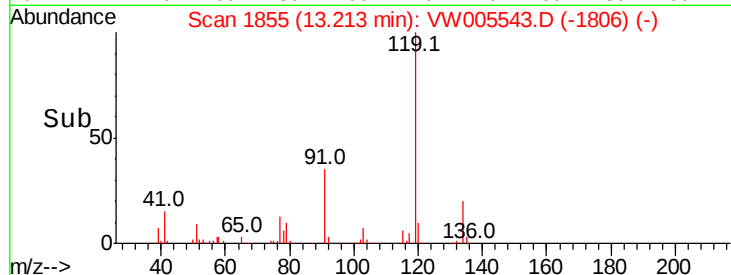
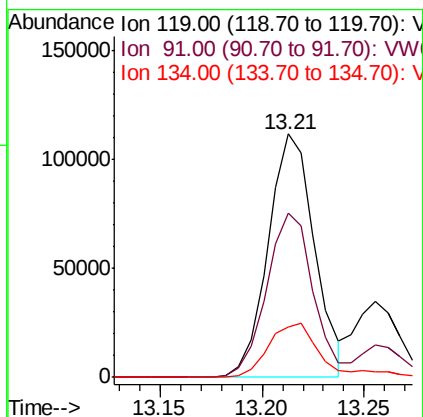
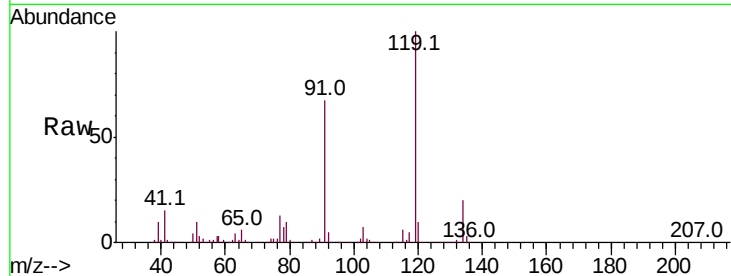




#83
tert-Butylbenzene
Concen: 19.568 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

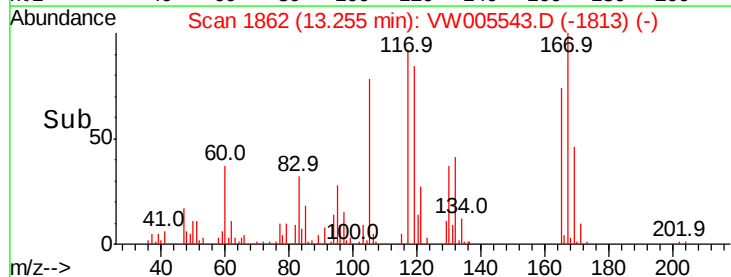
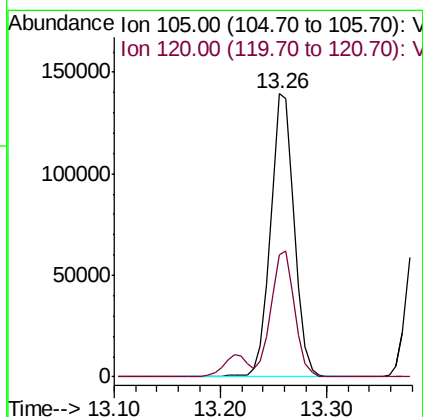
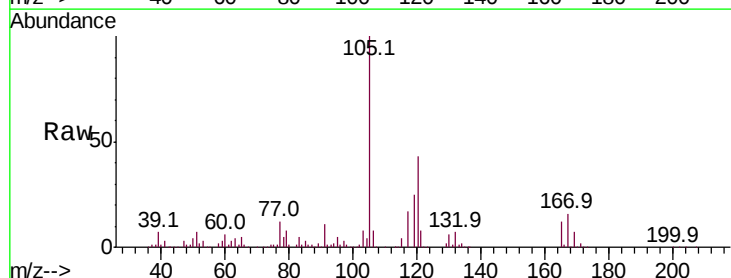
Instrument :
MSVOA_W
ClientSampled :

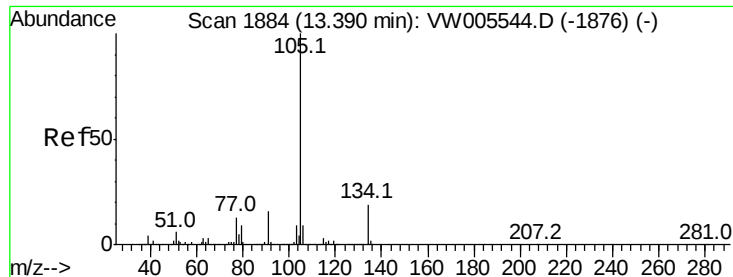
Tot Ion:119 Resp: 177075
Ion Ratio Lower Upper
119 100
91 68.5 34.6 103.8
134 25.3 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 19.612 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

Tgt Ion:105 Resp: 216825
Ion Ratio Lower Upper
105 100
120 44.3 21.5 64.5

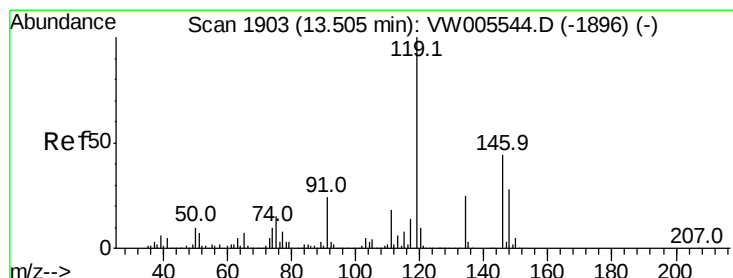
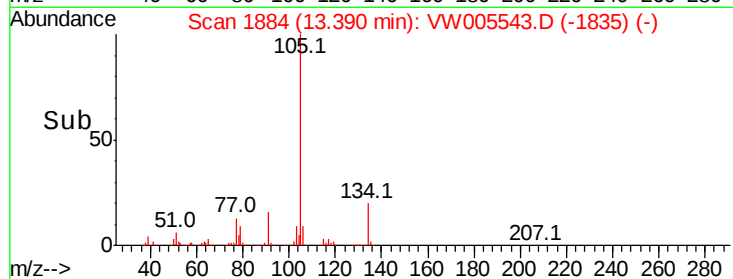
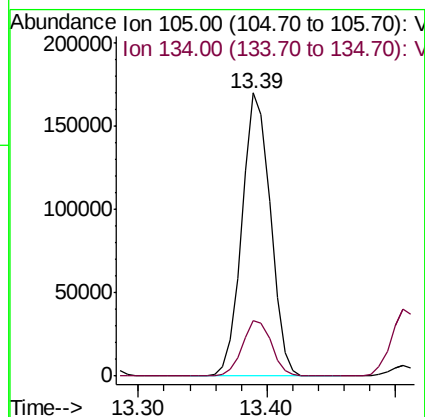
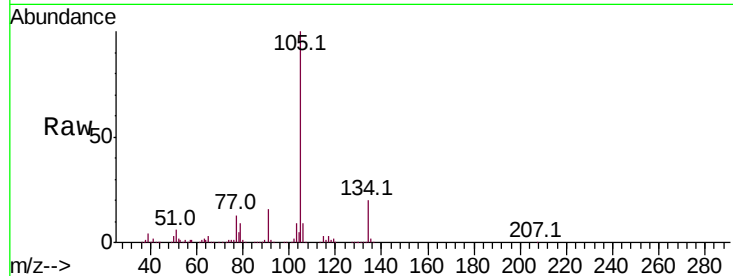




#85
 sec-Butylbenzene
 Concen: 19.806 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW005543.D
 Acq: 20 Sep 2018 21:28

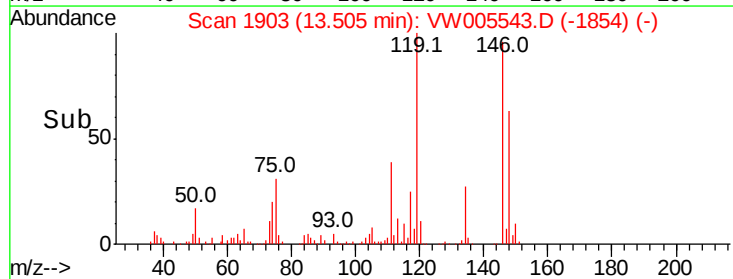
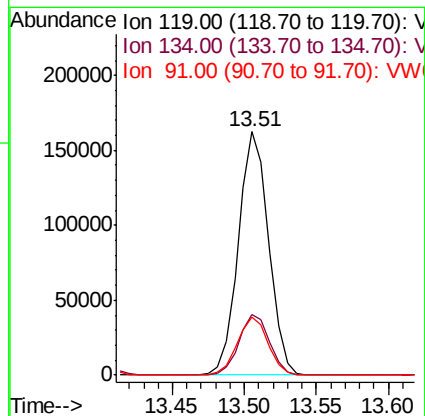
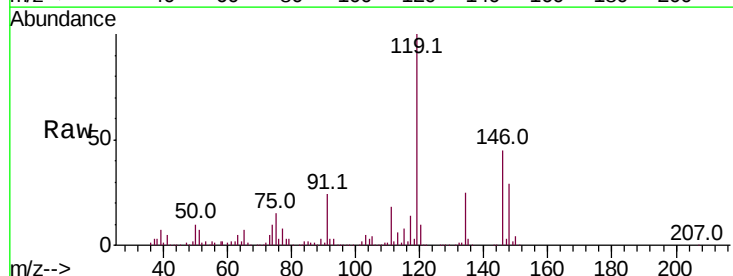
Instrument :
 MSVOA_W
 ClientSampleId :

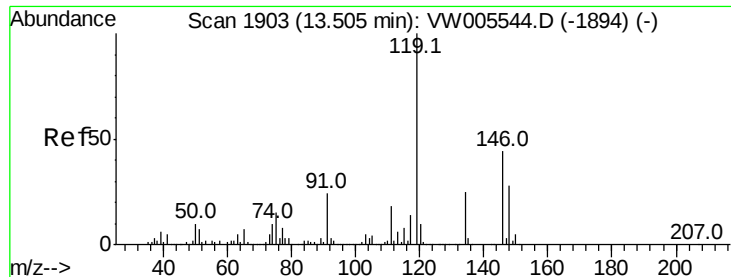
Tot Ion:105 Resp: 258996
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 20.174 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005543.D
 Acq: 20 Sep 2018 21:28

Tgt Ion:119 Resp: 236049
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.7 38.1
 91 24.2 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 19.574 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

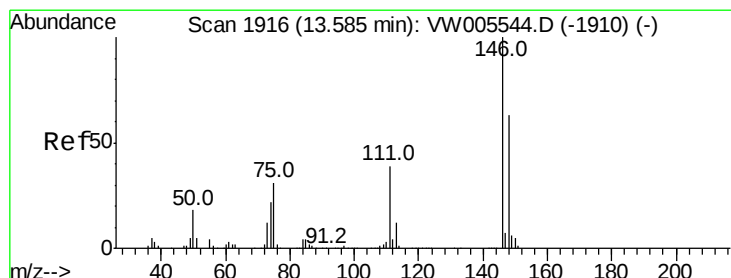
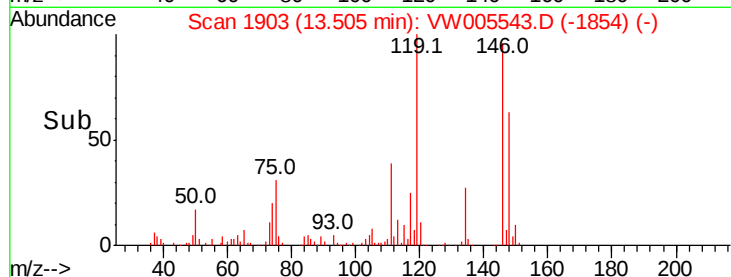
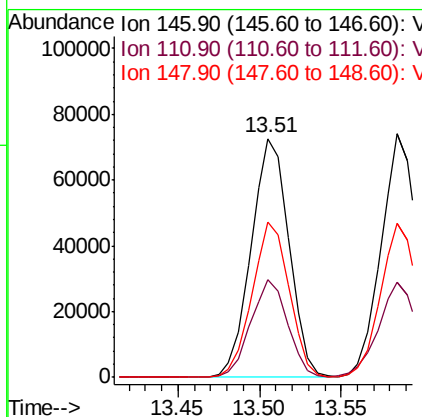
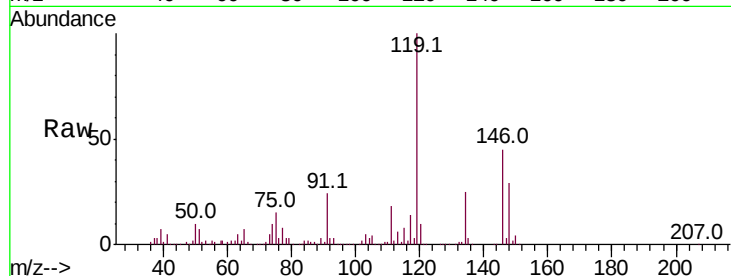
Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:146 Resp: 117157

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.3	60.9
148	64.3	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 19.607 ug/l

RT: 13.58 min Scan# 1916

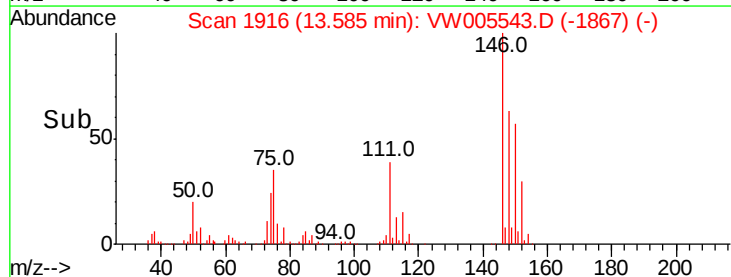
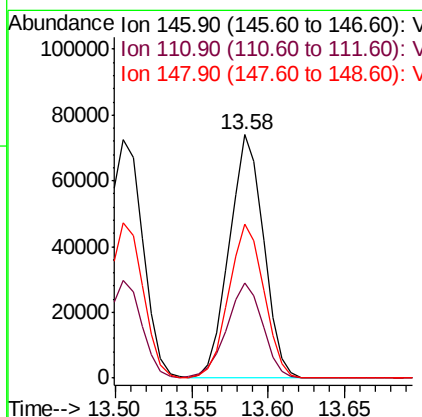
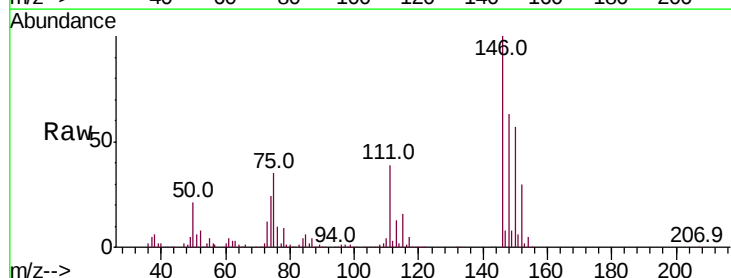
Delta R.T. -0.00 min

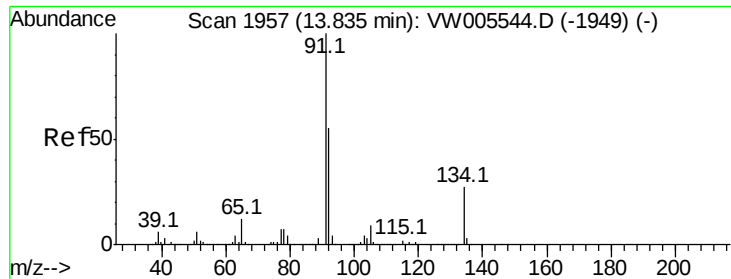
Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Tgt Ion:146 Resp: 115405

Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.9	59.7
148	64.7	32.1	96.3





#89

n-Butylbenzene

Concen: 20.336 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

ClientSampleId :

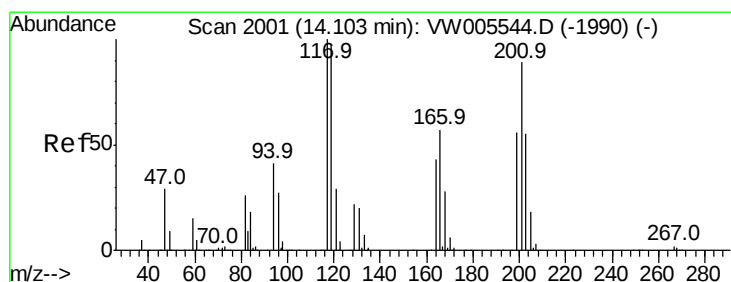
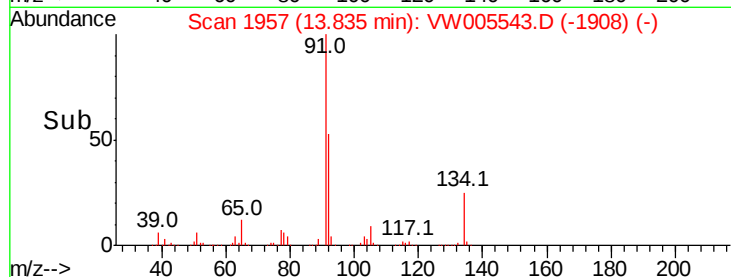
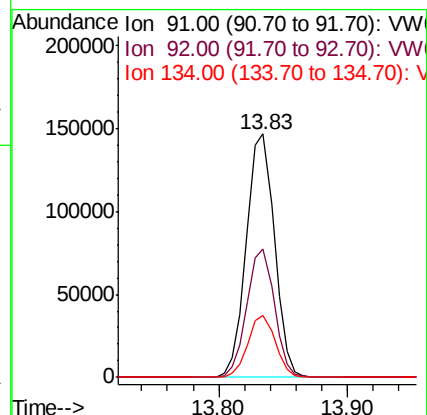
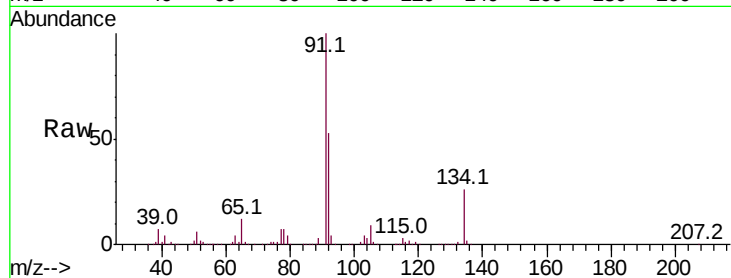
Tot Ion: 91 Resp: 221333

Ion Ratio Lower Upper

91 100

92 51.8 26.5 79.5

134 25.0 12.9 38.7



#90

Hexachloroethane

Concen: 20.432 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW005543.D

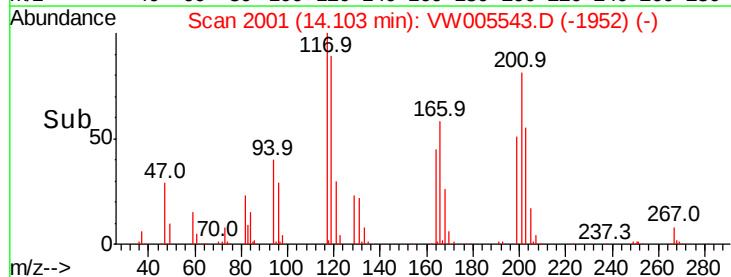
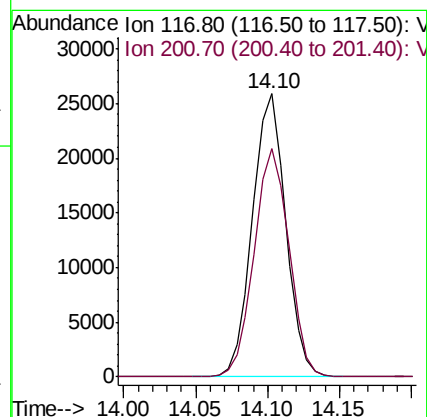
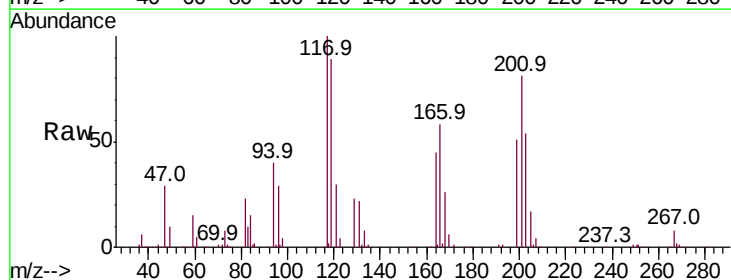
Acq: 20 Sep 2018 21:28

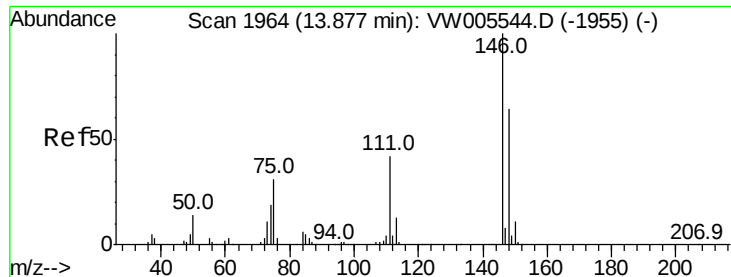
Tgt Ion: 117 Resp: 41294

Ion Ratio Lower Upper

117 100

201 84.4 42.8 128.3





#91

1,2-Dichlorobenzene

Concen: 19.924 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

Instrument :

MSVOA_W

ClientSampled :

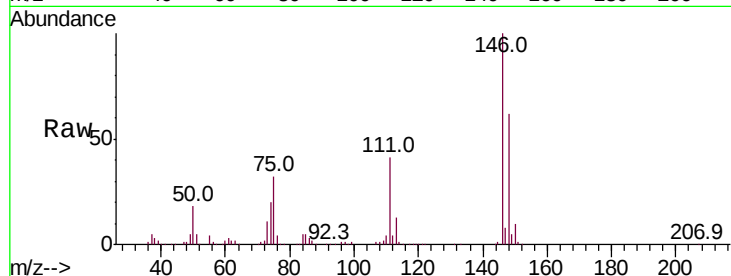
Tot Ion:146 Resp: 104033

Ion Ratio Lower Upper

146 100

111 41.7 21.3 63.9

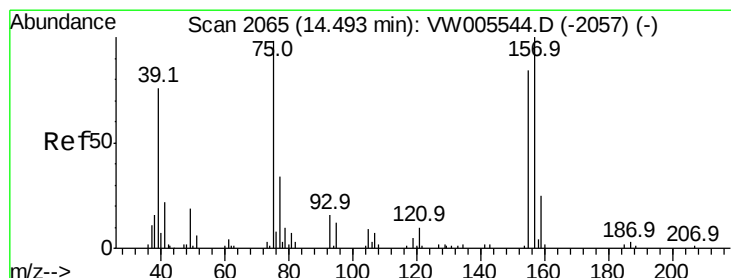
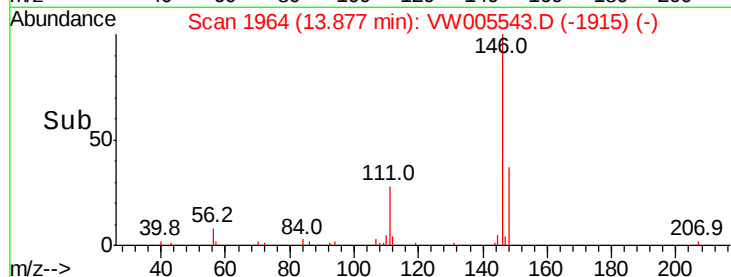
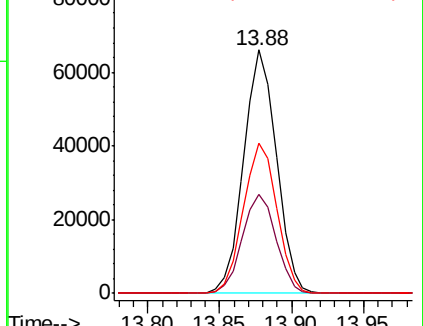
148 63.4 32.0 96.2



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: 21.306 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW005543.D

Acq: 20 Sep 2018 21:28

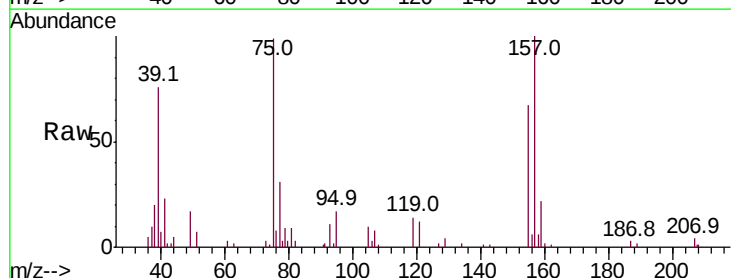
Tgt Ion: 75 Resp: 7524

Ion Ratio Lower Upper

75 100

155 74.0 39.1 117.5

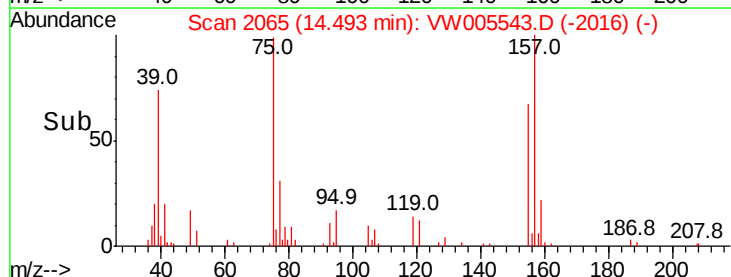
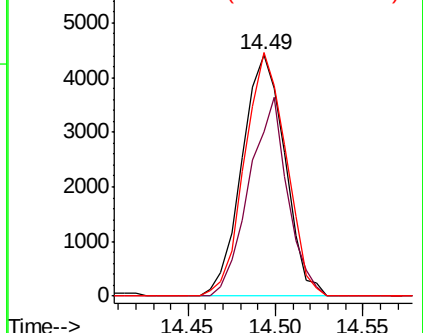
157 97.2 50.8 152.4

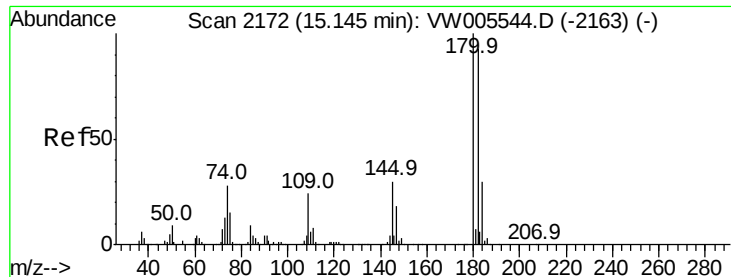


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

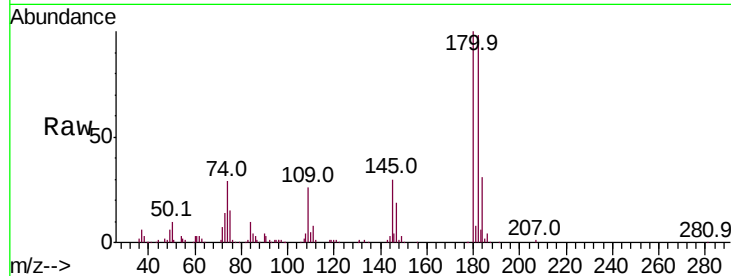




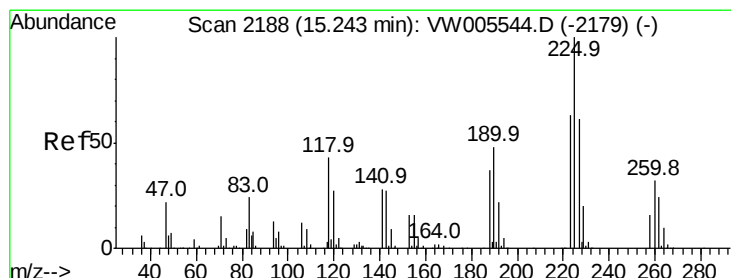
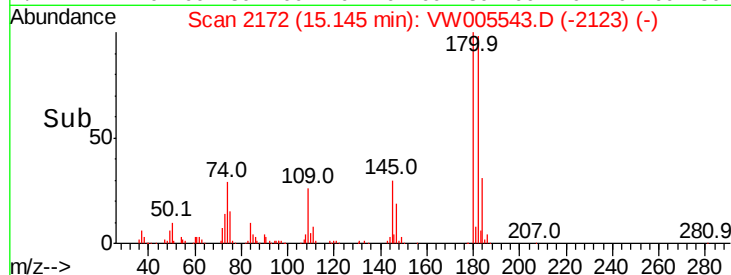
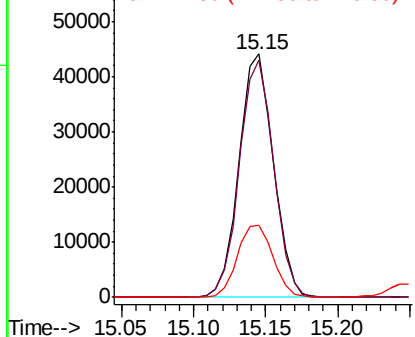
#93
 1,2,4-Trichlorobenzene
 Concen: 20.799 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW005543.D
 Acq: 20 Sep 2018 21:28

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 73026
 Ion Ratio Lower Upper
 180 100
 182 97.2 47.7 143.1
 145 30.7 15.0 45.1

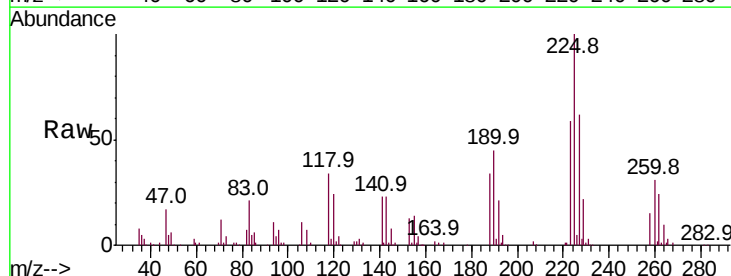


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

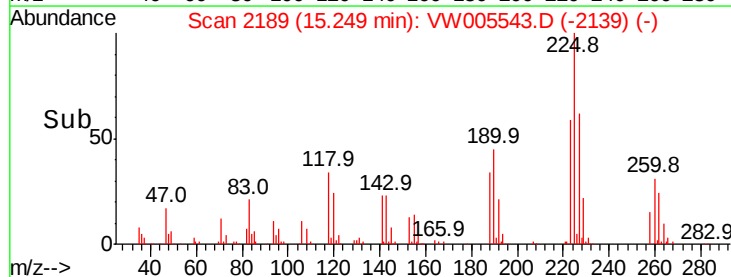
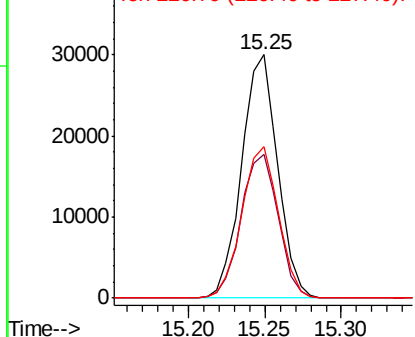


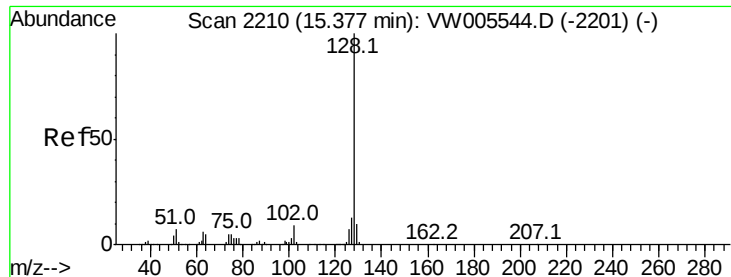
#94
 Hexachlorobutadiene
 Concen: 21.472 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW005543.D
 Acq: 20 Sep 2018 21:28

Tgt Ion:225 Resp: 48983
 Ion Ratio Lower Upper
 225 100
 223 61.1 31.1 93.3
 227 63.7 31.8 95.3



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

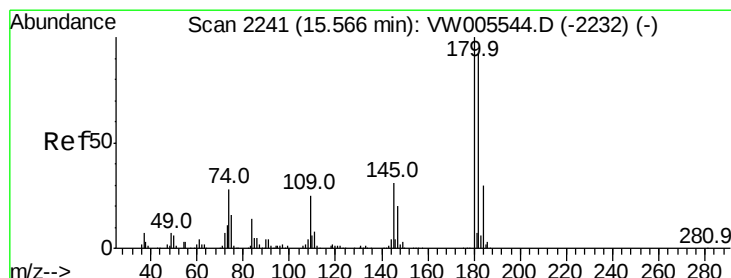
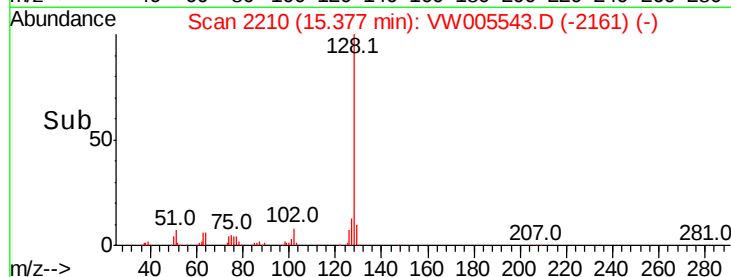
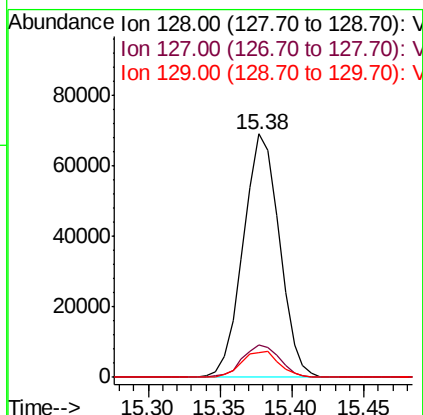
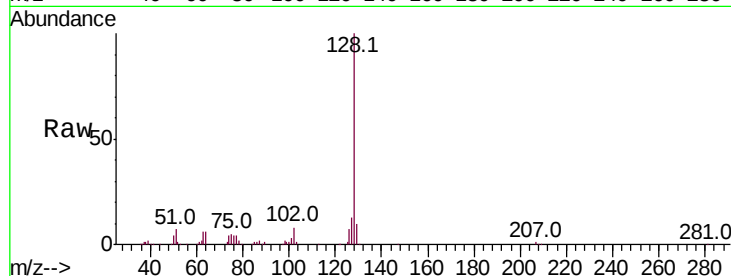




#95
Naphthalene
Concen: 20.464 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.9	16.3
129	11.2	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 21.352 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005543.D
Acq: 20 Sep 2018 21:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	32.2	16.0	47.9

