

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092218\
 Data File : VW005552.D
 Acq On : 21 Sep 2018 11:48
 Operator : VA/AP
 Sample : VW0922SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 21 14:49:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	247538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	365779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	334876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	179199	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	136805	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
35) Dibromofluoromethane	7.89	113	115307	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
50) Toluene-d8	10.33	98	486912	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.63	95	174634	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.02	85	38891	24.458	ug/l	97
3) Chloromethane	2.22	50	41913	21.063	ug/l	100
4) Vinyl Chloride	2.37	62	51600	21.694	ug/l	99
5) Bromomethane	2.78	94	32938	20.491	ug/l	97
6) Chloroethane	2.93	64	31606	20.708	ug/l	97
7) Trichlorofluoromethane	3.26	101	40940	22.007	ug/l	97
8) Diethyl Ether	3.67	74	23282	19.159	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	47953	20.363	ug/l	97
10) Methyl Iodide	4.26	142	73390	20.265	ug/l	99
11) Tert butyl alcohol	5.20	59	15129	99.047	ug/l	96
12) 1,1-Dichloroethene	4.03	96	47033	20.862	ug/l	99
13) Acrolein	3.89	56	12885	117.543	ug/l	99
14) Allyl chloride	4.67	41	78875	20.047	ug/l	100
15) Acrylonitrile	5.37	53	49064	90.936	ug/l	99
16) Acetone	4.13	43	55477	115.951	ug/l	97
17) Carbon Disulfide	4.37	76	148169	21.035	ug/l	100
18) Methyl Acetate	4.67	43	23873	17.272	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	67055	19.270	ug/l	100
20) Methylene Chloride	4.91	84	56295	20.512	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	49579	20.078	ug/l	95
22) Diisopropyl ether	6.31	45	151892	19.887	ug/l	96
23) Vinyl Acetate	6.26	43	422691	96.825	ug/l	100
24) 1,1-Dichloroethane	6.21	63	94177	19.957	ug/l	99
25) 2-Butanone	7.18	43	65121	91.944	ug/l	98
26) 2,2-Dichloropropane	7.16	77	68114	20.676	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	53562	19.666	ug/l	97
28) Bromochloromethane	7.51	49	35946	19.230	ug/l	99
29) Tetrahydrofuran	7.53	42	39692	89.703	ug/l	99
30) Chloroform	7.68	83	95138	19.528	ug/l	95
31) Cyclohexane	7.96	56	93145	20.603	ug/l	90
32) 1,1,1-Trichloroethane	7.87	97	88141	20.480	ug/l	99
36) 1,1-Dichloropropene	8.09	75	78902	21.428	ug/l	99
37) Ethyl Acetate	7.26	43	29268	18.888	ug/l	98
38) Carbon Tetrachloride	8.07	117	82994	21.034	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	94482	21.749	ug/l	99
40) Benzene	8.33	78	212535	20.372	ug/l	98
41) Methacrylonitrile	7.49	41	17246	19.558	ug/l	99
42) 1,2-Dichloroethane	8.40	62	65094	19.488	ug/l	99
43) Isopropyl Acetate	8.43	43	55350	18.168	ug/l	99
44) Trichloroethene	9.10	130	56170	21.034	ug/l	96
45) 1,2-Dichloropropane	9.37	63	50811	19.796	ug/l	99
46) Dibromomethane	9.46	93	24562	19.152	ug/l	99
47) Bromodichloromethane	9.65	83	67342	19.548	ug/l	99
48) Methyl methacrylate	9.44	41	27045	18.690	ug/l	97
49) 1,4-Dioxane	9.46	88	7600	372.745	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	139963	91.215	ug/l	100
52) Toluene	10.39	92	135201	20.769	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	69609	20.156	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	77657	20.069	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	34963	19.206	ug/l	96
56) Ethyl methacrylate	10.65	69	42389	18.863	ug/l	100
57) 1,3-Dichloropropane	10.94	76	61789	19.151	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	97029	95.251	ug/l	97
59) 2-Hexanone	10.98	43	99277	95.241	ug/l	100
60) Dibromochloromethane	11.13	129	42595	19.366	ug/l	97
61) 1,2-Dibromoethane	11.24	107	33139	19.525	ug/l	98
64) Tetrachloroethene	10.87	164	48368	20.350	ug/l	98
65) Chlorobenzene	11.66	112	145653	20.489	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.74	131	51295	20.048	ug/l	98
67) Ethyl Benzene	11.74	91	264277	20.944	ug/l	100
68) m/p-Xylenes	11.85	106	201209	42.206	ug/l	99
69) o-Xylene	12.17	106	91965	20.598	ug/l	100
70) Styrene	12.19	104	153509	20.430	ug/l	100
71) Bromoform	12.35	173	25352	18.667	ug/l #	97
73) Isopropylbenzene	12.47	105	268685	21.621	ug/l	99
74) N-amyl acetate	12.28	43	51361	18.252	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	40054	19.405	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	57175	37.429	ug/l #	100
77) Bromobenzene	12.75	156	59650	20.480	ug/l	99
78) n-propylbenzene	12.81	91	330523	21.969	ug/l	99
79) 2-Chlorotoluene	12.90	91	185429	21.303	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	235099	21.757	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	12909	19.034	ug/l	97
82) 4-Chlorotoluene	12.99	91	196228	21.336	ug/l	99
83) tert-Butylbenzene	13.21	119	194536	21.429	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	239715	21.983	ug/l	98
85) sec-Butylbenzene	13.39	105	290627	22.074	ug/l	100
86) p-Isopropyltoluene	13.51	119	260096	22.040	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	123648	20.761	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	122555	20.690	ug/l	99
89) n-Butylbenzene	13.83	91	245820	22.084	ug/l	98
90) Hexachloroethane	14.10	117	44195	20.662	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	106781	20.310	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7405	18.829	ug/l	94

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Quant Title : SW846 8260
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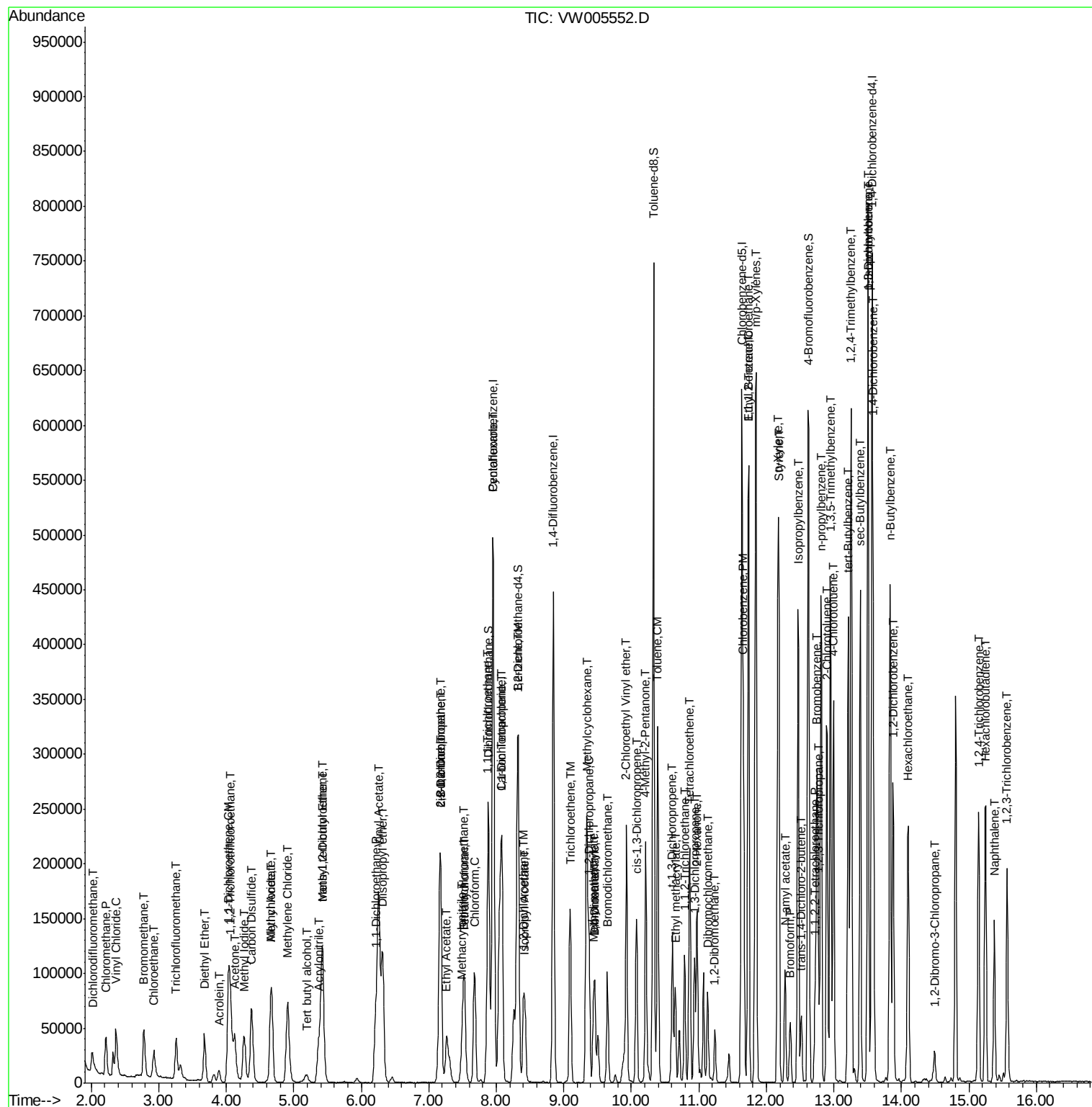
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	79795	21.276	ug/l	99
94) Hexachlorobutadiene	15.25	225	52225	21.494	ug/l	99
95) Naphthalene	15.38	128	123866	19.635	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	68004	20.575	ug/l	100

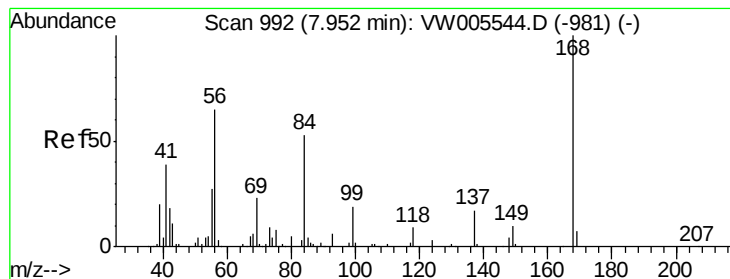
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

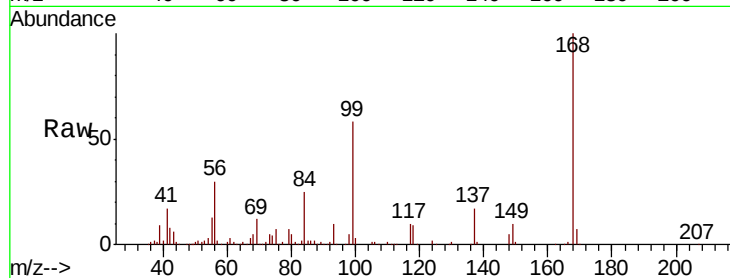
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 247538

Ion Ratio Lower Upper

168 100

99 58.1 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

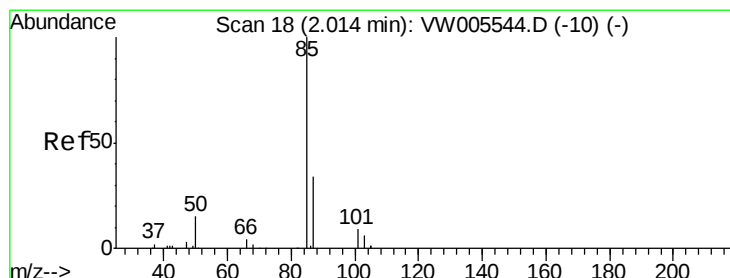
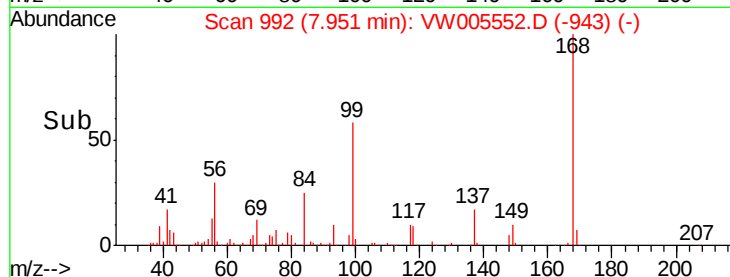
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 24.458 ug/l

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW005552.D

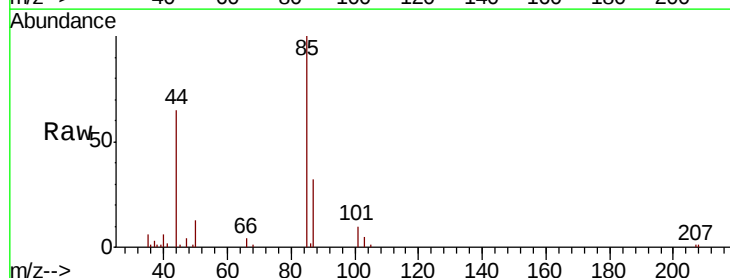
Acq: 21 Sep 2018 11:48

Tgt Ion: 85 Resp: 38891

Ion Ratio Lower Upper

85 100

87 32.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.02

12000

10000

8000

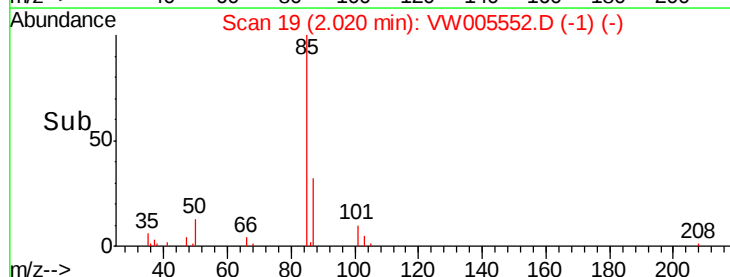
6000

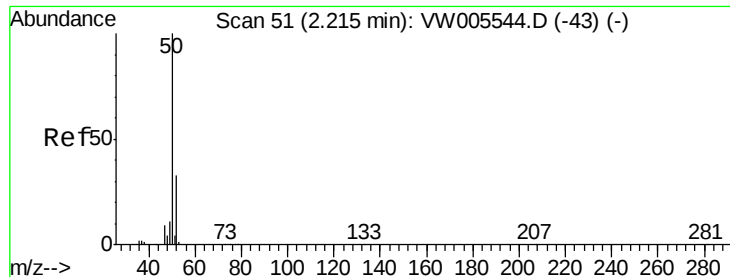
4000

2000

0

Time-->





#3

Chloromethane

Concen: 21.063 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

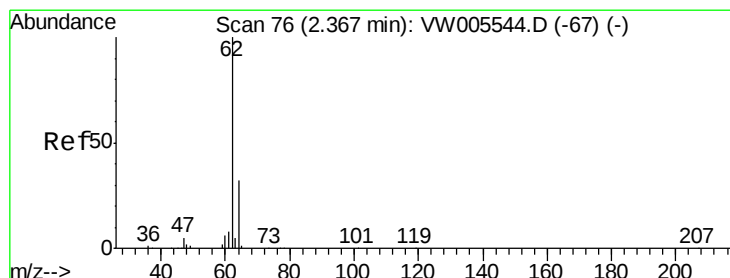
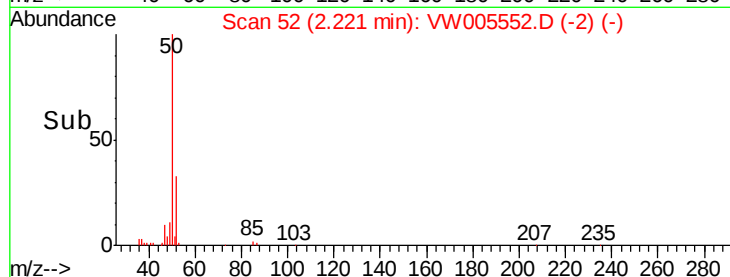
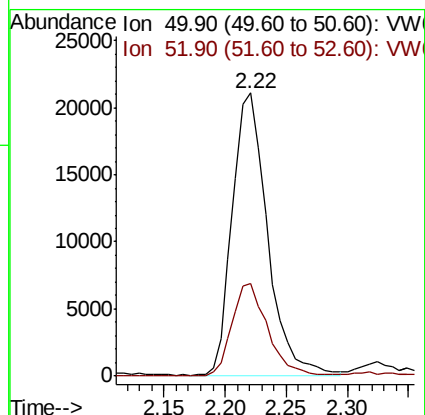
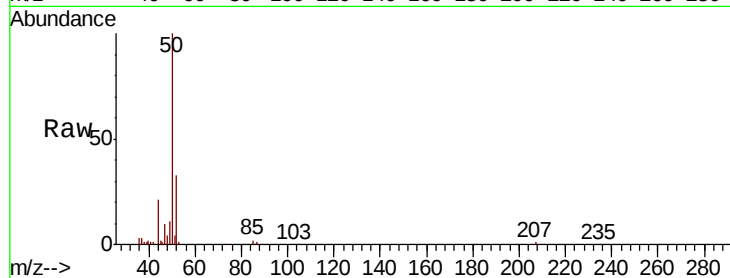
ClientSampleId :

Tot Ion: 50 Resp: 41913

Ion Ratio Lower Upper

50 100

52 33.1 26.2 39.4



#4

Vinyl Chloride

Concen: 21.694 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW005552.D

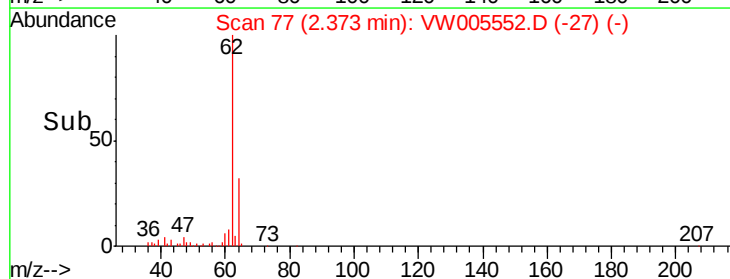
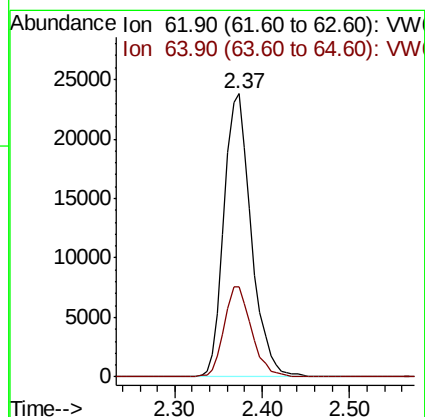
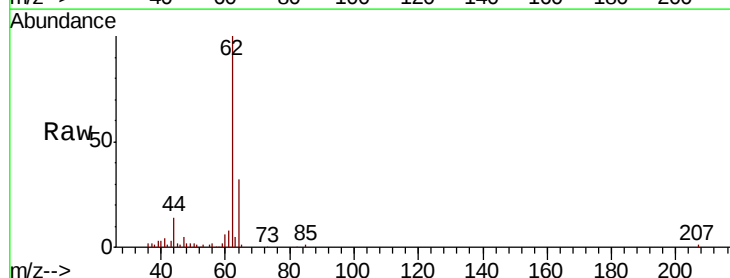
Acq: 21 Sep 2018 11:48

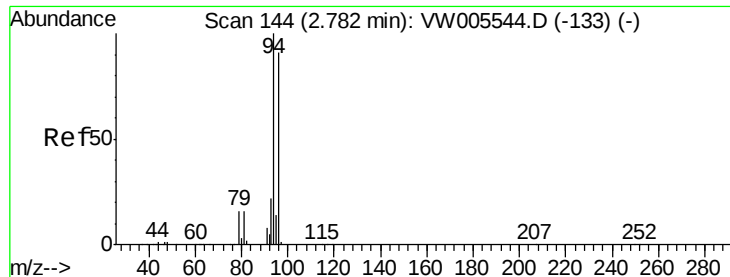
Tgt Ion: 62 Resp: 51600

Ion Ratio Lower Upper

62 100

64 31.7 25.7 38.5





#5

Bromomethane

Concen: 20.491 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

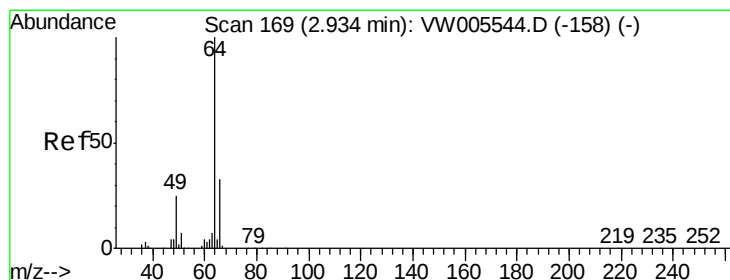
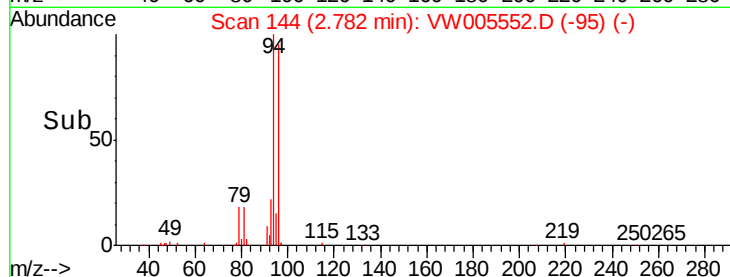
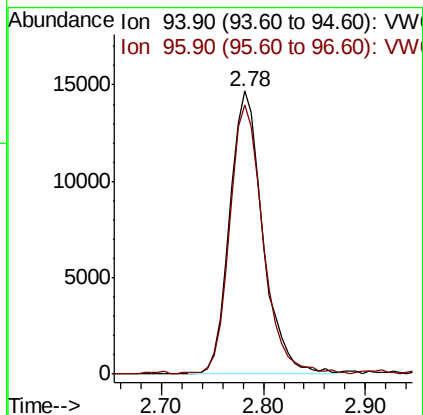
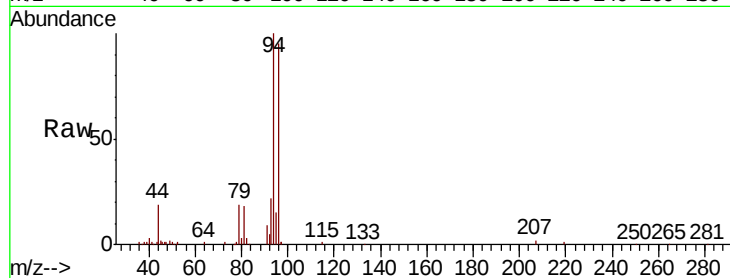
ClientSampleId :

Tot Ion: 94 Resp: 32938

Ion Ratio Lower Upper

94 100

96 94.5 73.1 109.7



#6

Chloroethane

Concen: 20.708 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW005552.D

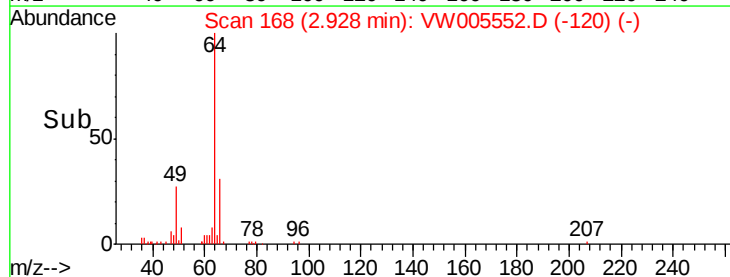
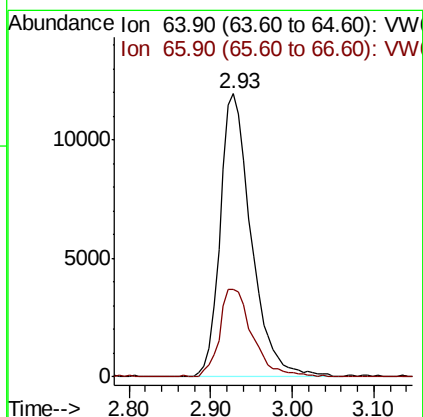
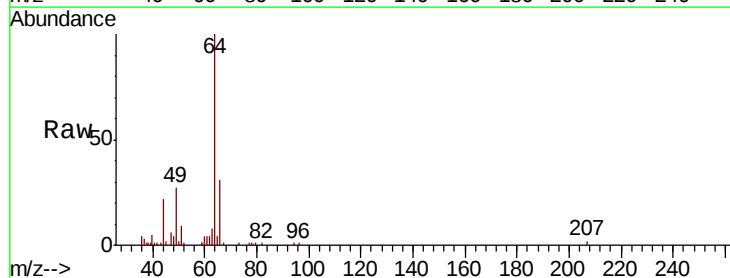
Acq: 21 Sep 2018 11:48

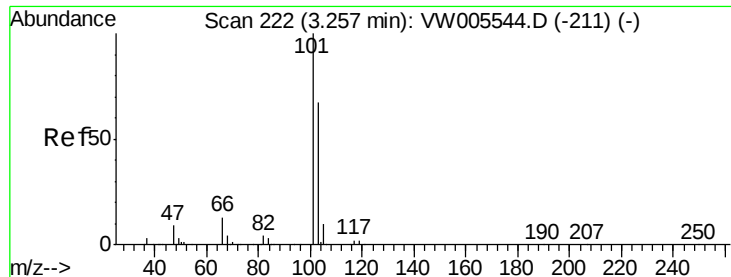
Tgt Ion: 64 Resp: 31606

Ion Ratio Lower Upper

64 100

66 30.7 26.0 39.0



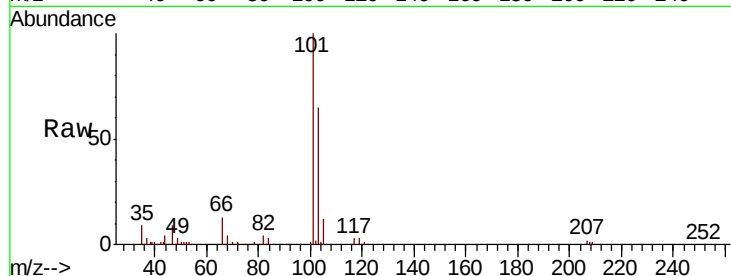


#7

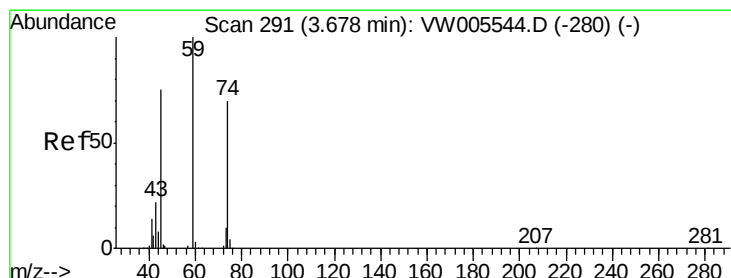
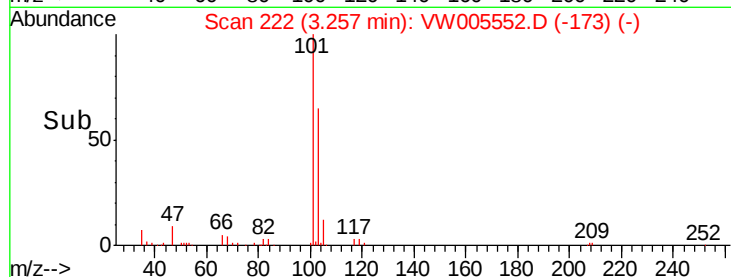
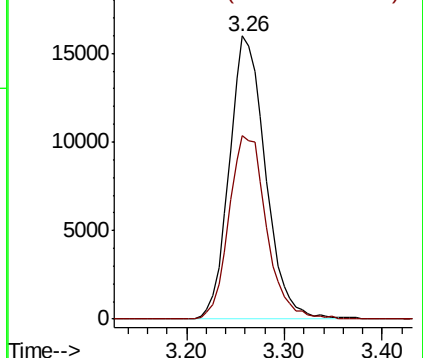
Trichlorofluoromethane
 Concen: 22.007 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW005552.D
 Acq: 21 Sep 2018 11:48

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:101 Resp: 40940
 Ion Ratio Lower Upper
 101 100
 103 64.5 53.2 79.8



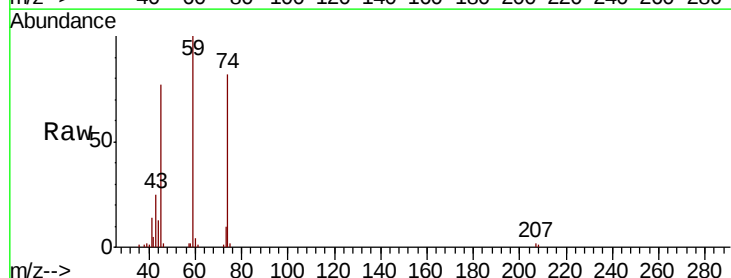
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



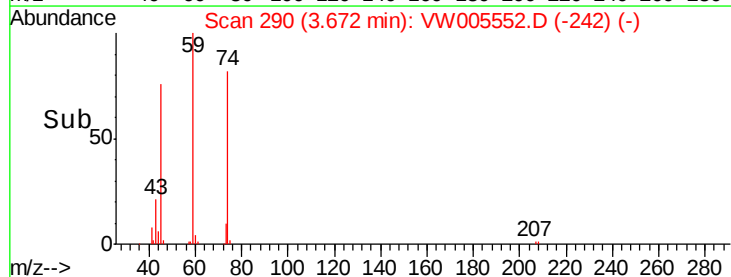
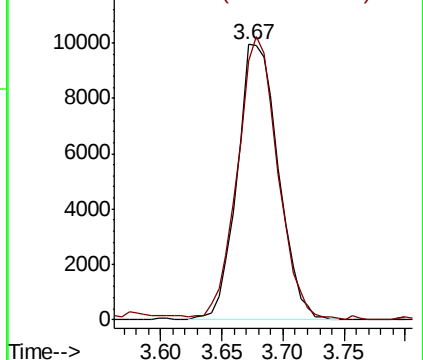
#8

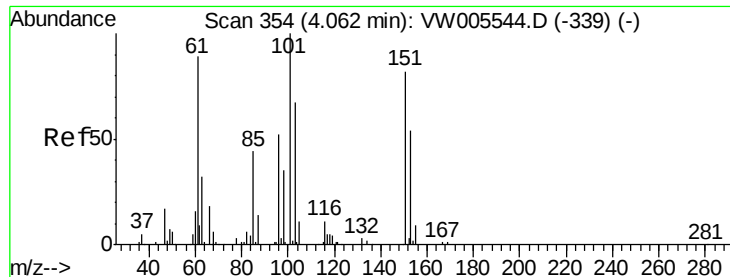
Diethyl Ether
 Concen: 19.159 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW005552.D
 Acq: 21 Sep 2018 11:48

Tgt Ion: 74 Resp: 23282
 Ion Ratio Lower Upper
 74 100
 45 101.0 51.7 155.2



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.363 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

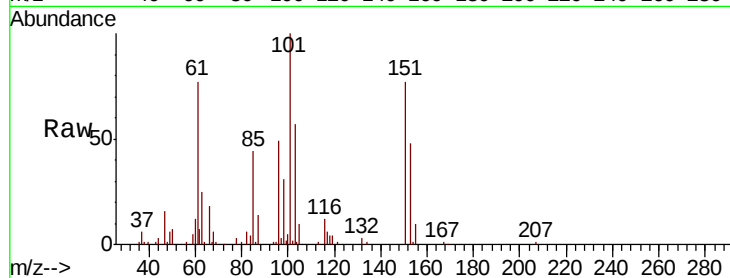
Tot Ion:101 Resp: 47953

Ion Ratio Lower Upper

101 100

85 46.3 36.4 54.6

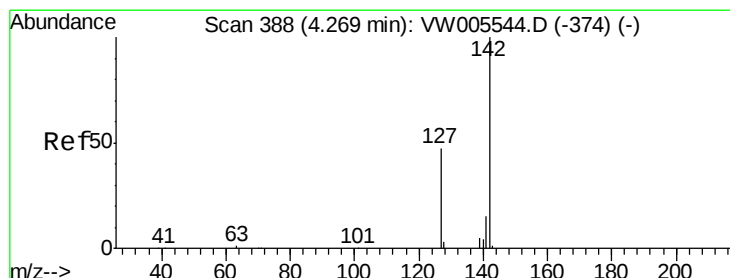
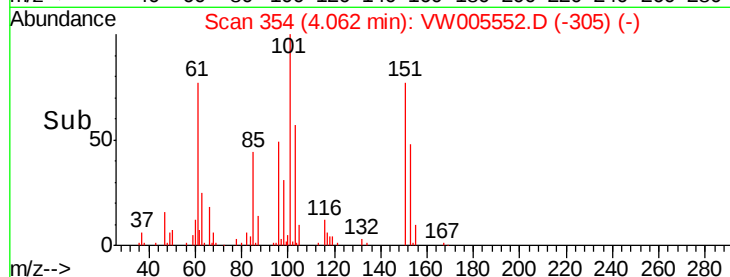
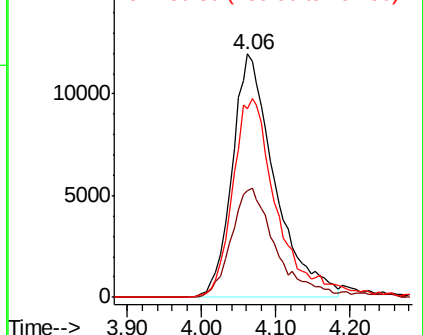
151 85.2 65.8 98.6



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: 20.265 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

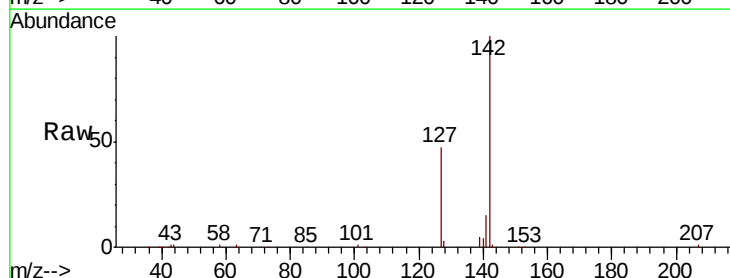
Tgt Ion:142 Resp: 73390

Ion Ratio Lower Upper

142 100

127 46.4 37.4 56.0

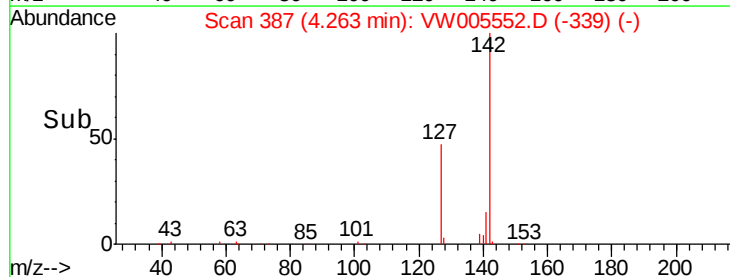
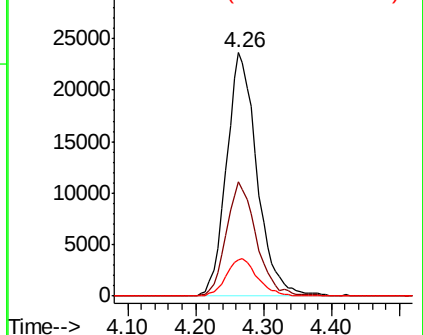
141 15.5 11.9 17.9

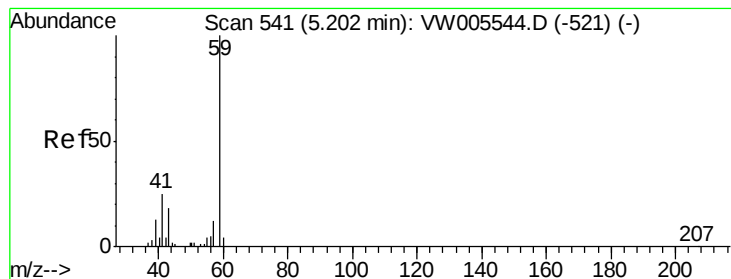


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



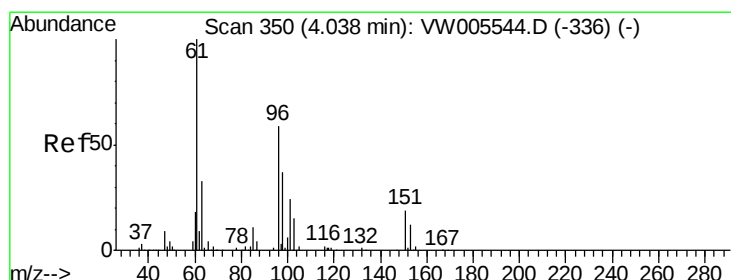
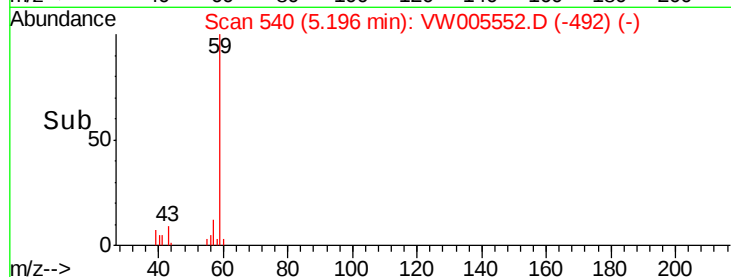
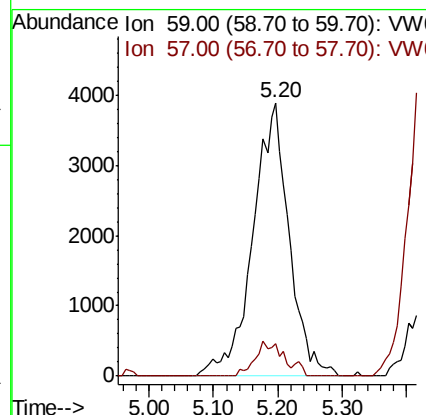
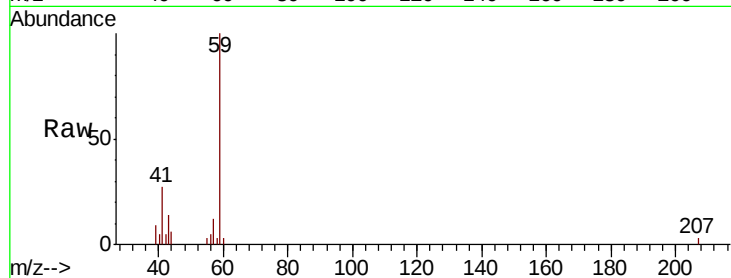


#11

Tert butyl alcohol
 Concen: 99.047 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. -0.01 min
 Lab File: VW005552.D
 Acq: 21 Sep 2018 11:48

Instrument :
 MSVOA_W
 ClientSampleId :

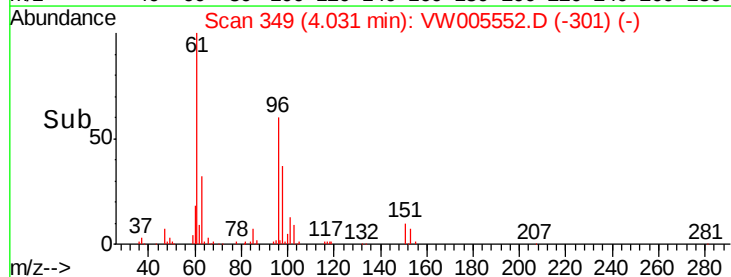
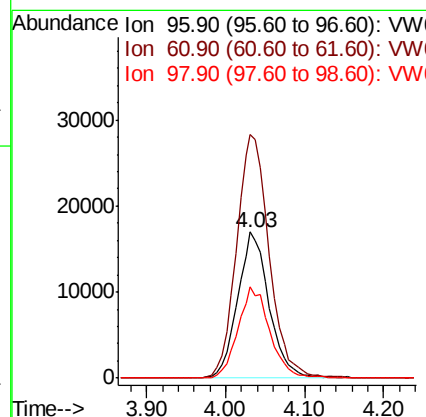
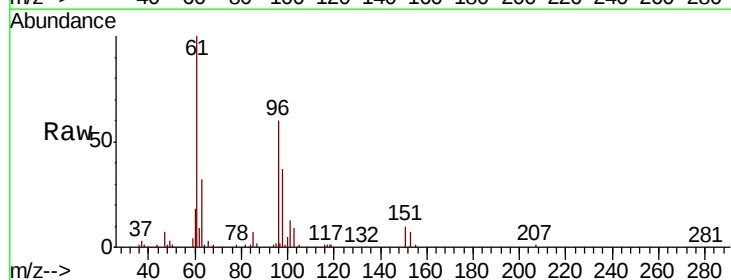
Tot Ion: 59 Resp: 15129
 Ion Ratio Lower Upper
 59 100
 57 9.0 8.3 12.5

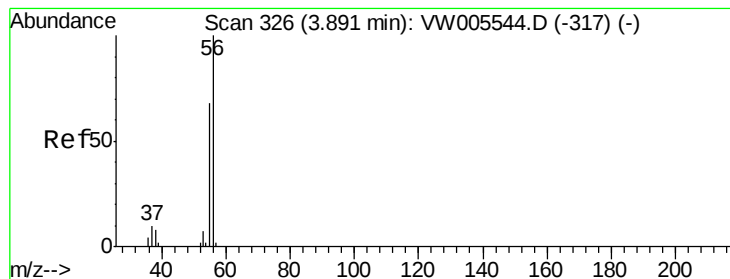


#12

1,1-Dichloroethene
 Concen: 20.862 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW005552.D
 Acq: 21 Sep 2018 11:48

Tgt Ion: 96 Resp: 47033
 Ion Ratio Lower Upper
 96 100
 61 166.9 135.0 202.6
 98 62.2 50.6 76.0





#13

Acrolein

Concen: 117.543 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

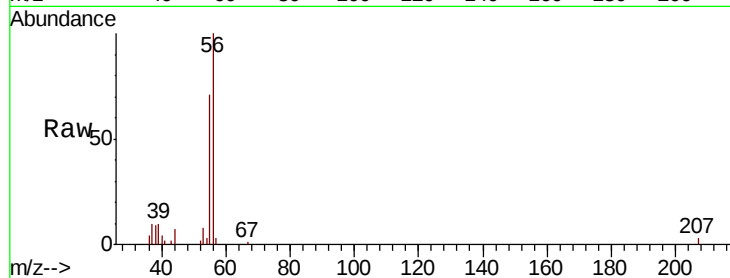
ClientSampled :

Tot Ion: 56 Resp: 12885

Ion Ratio Lower Upper

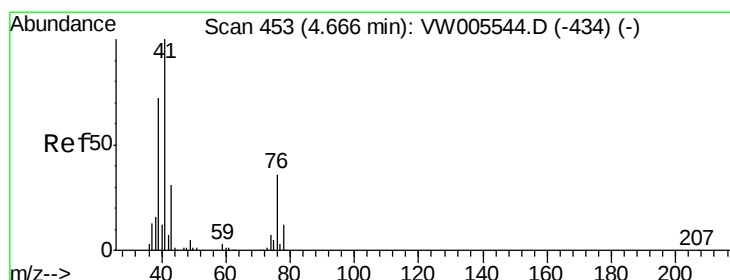
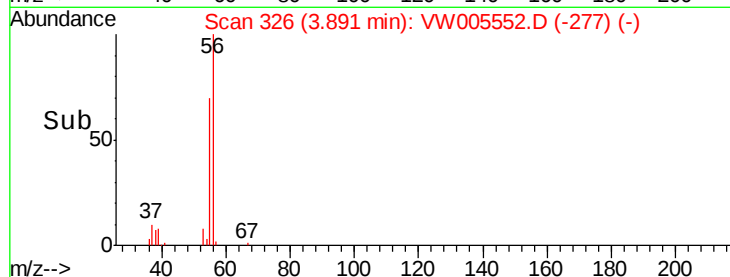
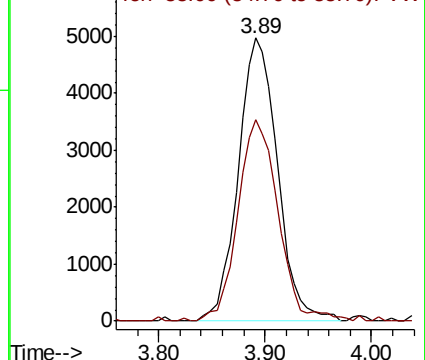
56 100

55 73.0 57.8 86.8



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 20.047 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

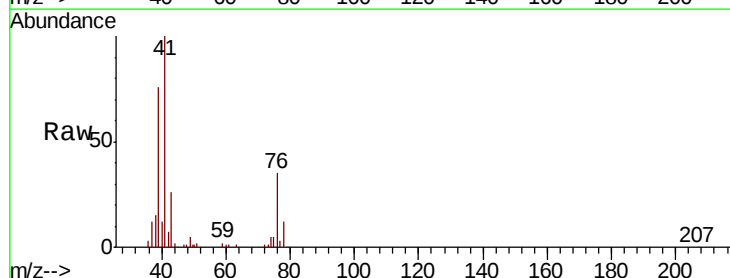
Tgt Ion: 41 Resp: 78875

Ion Ratio Lower Upper

41 100

39 74.4 59.6 89.4

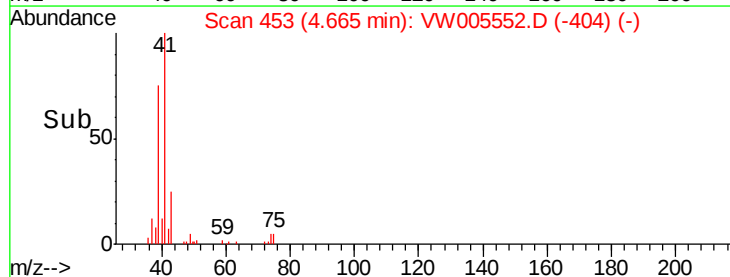
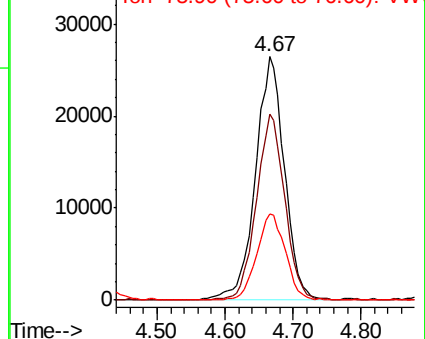
76 34.7 27.7 41.5

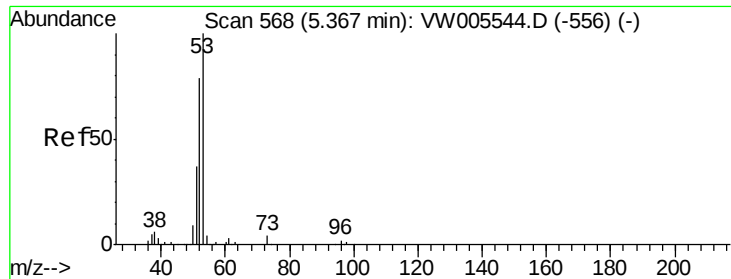


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 90.936 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

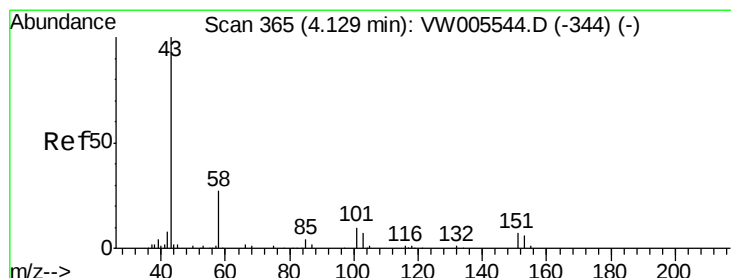
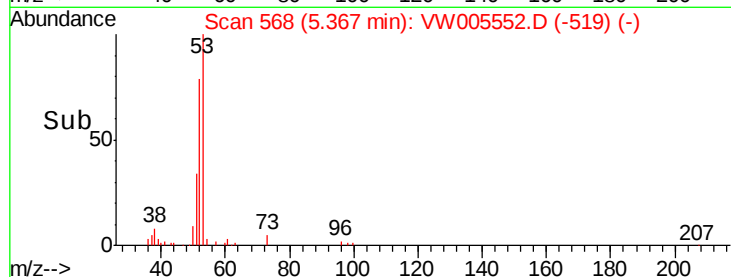
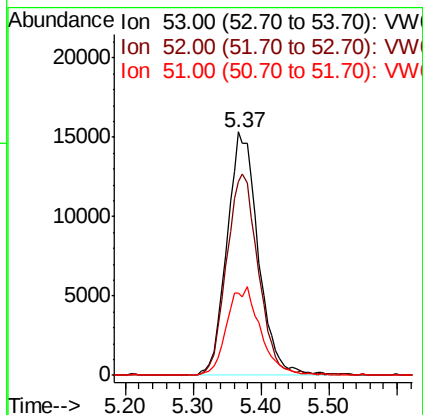
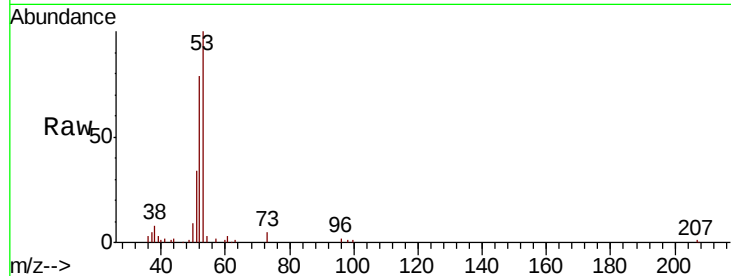
Tot Ion: 53 Resp: 49064

Ion Ratio Lower Upper

53 100

52 83.8 66.5 99.7

51 38.8 30.6 46.0



#16

Acetone

Concen: 115.951 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW005552.D

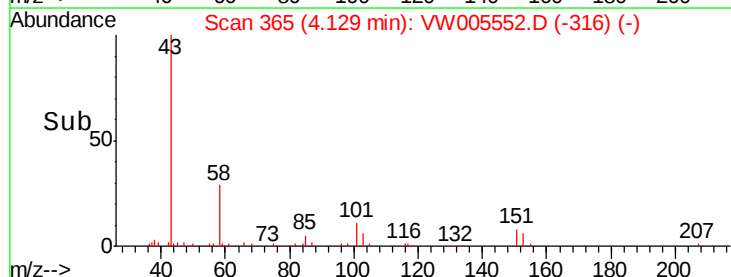
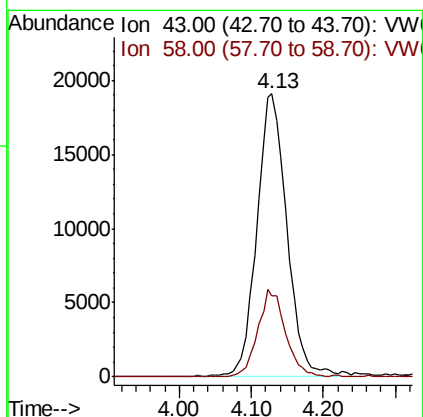
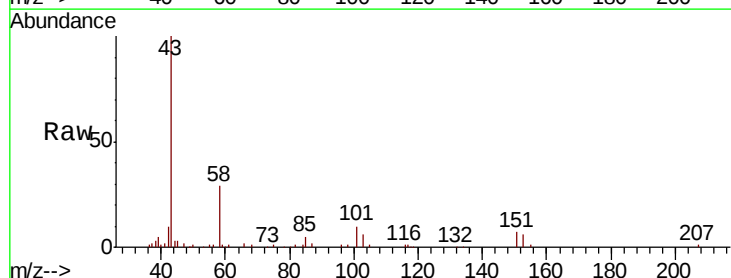
Acq: 21 Sep 2018 11:48

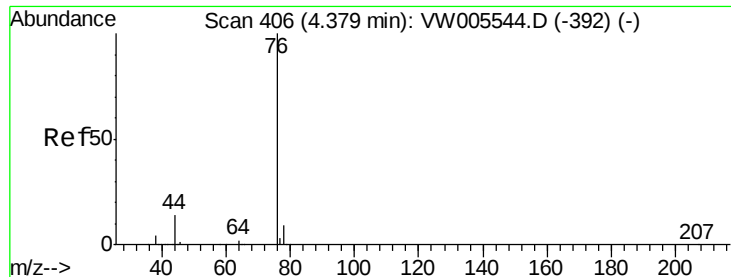
Tgt Ion: 43 Resp: 55477

Ion Ratio Lower Upper

43 100

58 28.7 21.8 32.8

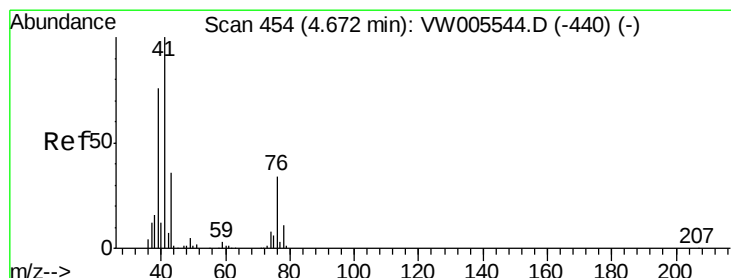
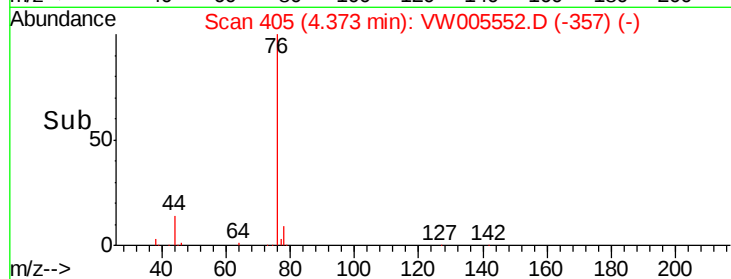
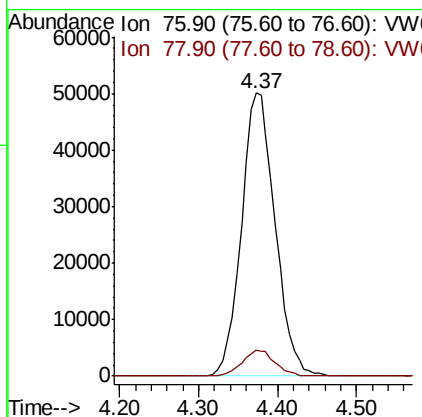
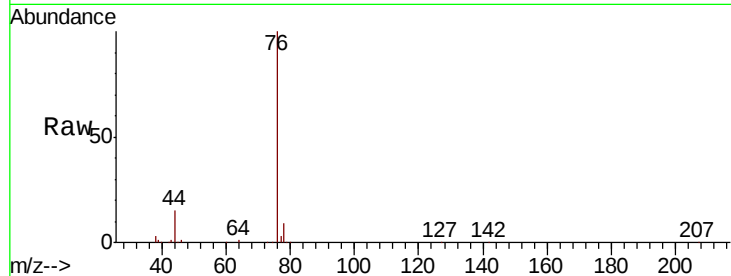




#17
Carbon Disulfide
Concen: 21.035 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

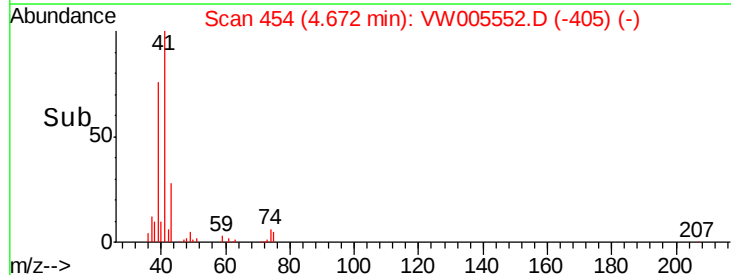
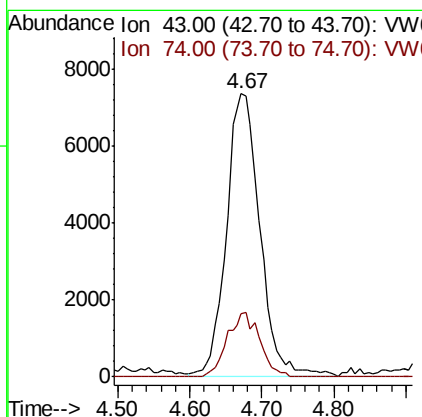
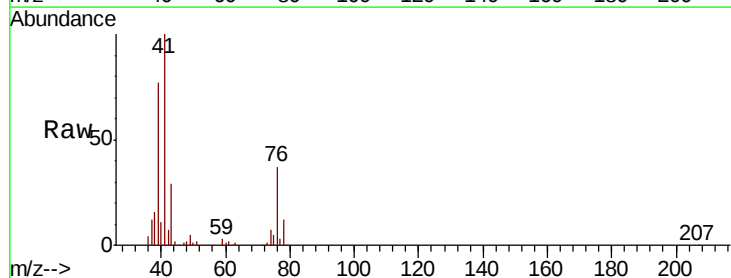
Instrument :
MSVOA_W
ClientSampled :

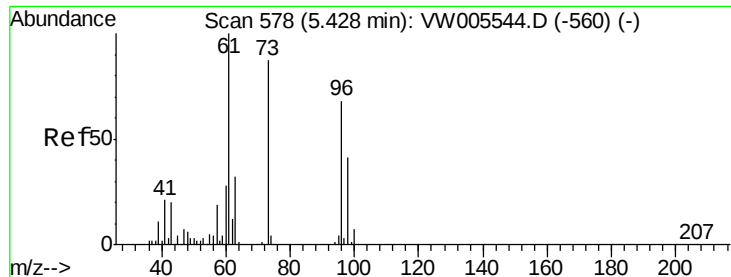
Tot Ion: 76 Resp: 148169
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 17.272 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

Tgt Ion: 43 Resp: 23873
Ion Ratio Lower Upper
43 100
74 22.0 19.2 28.8

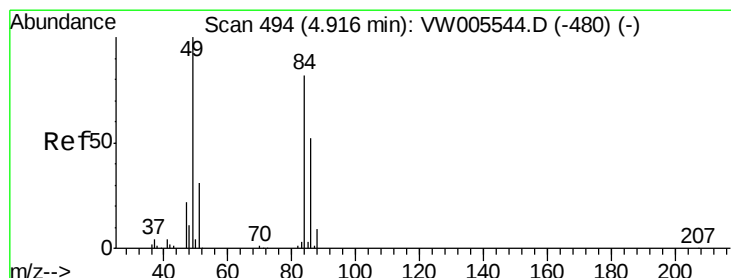
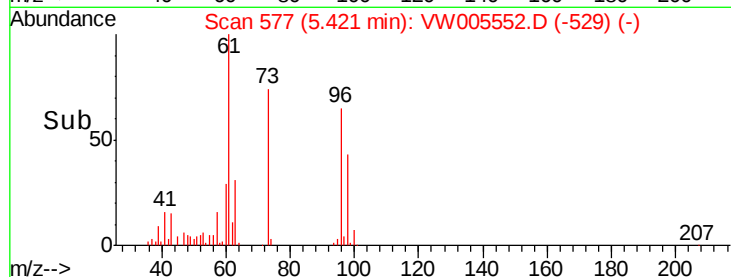
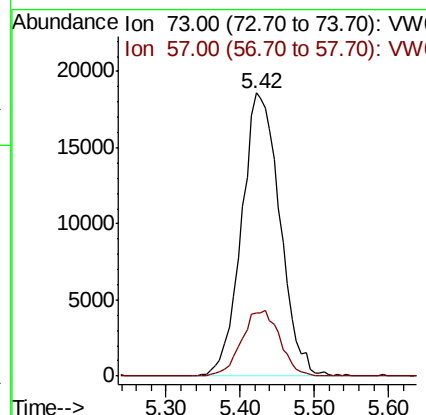
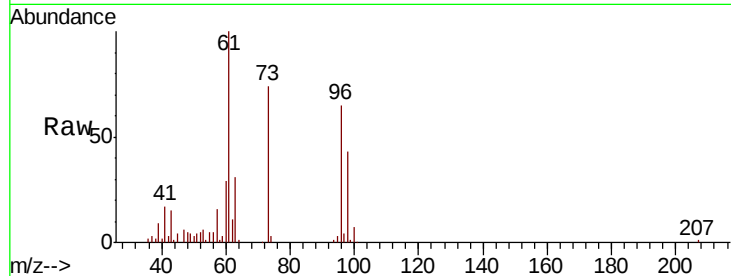




#19
Methyl tert-butyl Ether
Concen: 19.270 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

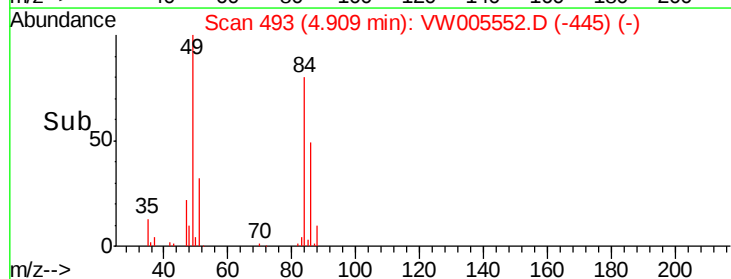
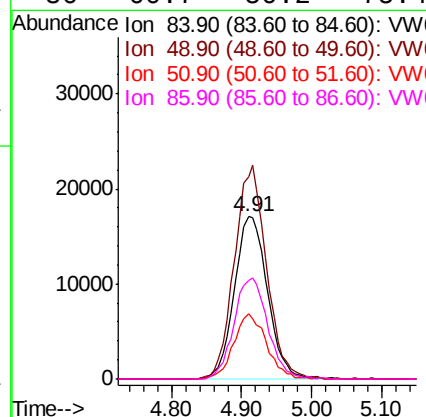
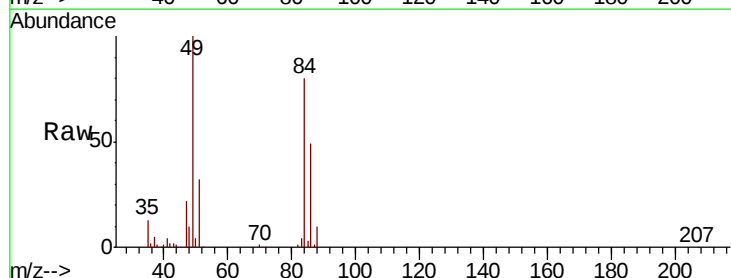
Instrument :
MSVOA_W
ClientSampled :

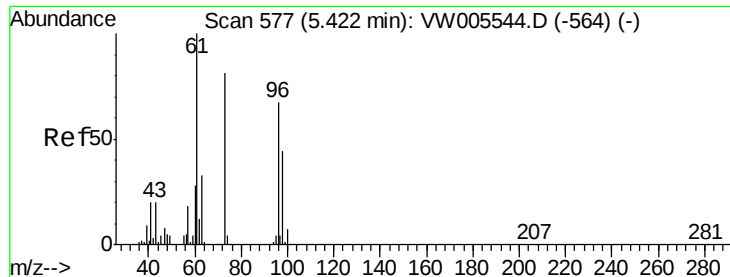
Tot Ion: 73 Resp: 67055
Ion Ratio Lower Upper
73 100
57 22.1 17.6 26.4



#20
Methylene Chloride
Concen: 20.512 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

Tgt Ion: 84 Resp: 56295
Ion Ratio Lower Upper
84 100
49 124.5 97.0 145.6
51 39.9 30.2 45.2
86 60.7 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 20.078 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :
MSVOA_W
ClientSampleId :

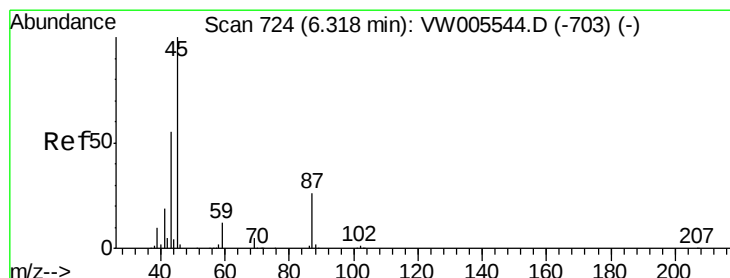
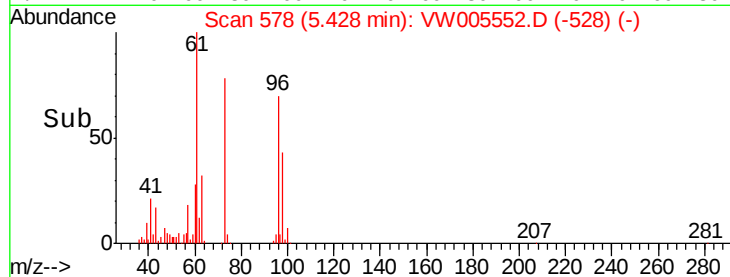
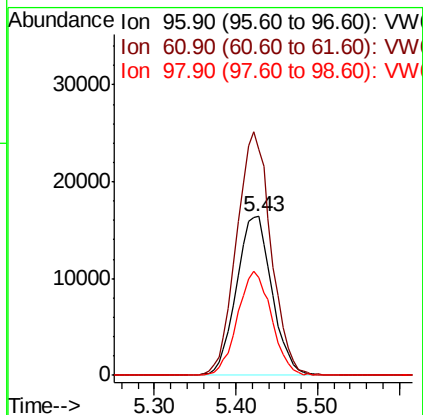
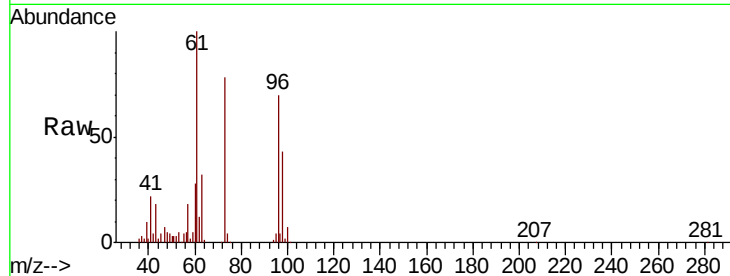
Tot Ion: 96 Resp: 49579

Ion Ratio Lower Upper

96 100

61 142.0 118.9 178.3

98 61.3 52.1 78.1



#22

Diisopropyl ether

Concen: 19.887 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Tgt Ion: 45 Resp: 151892

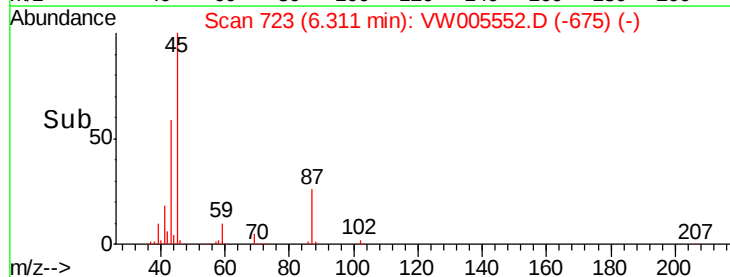
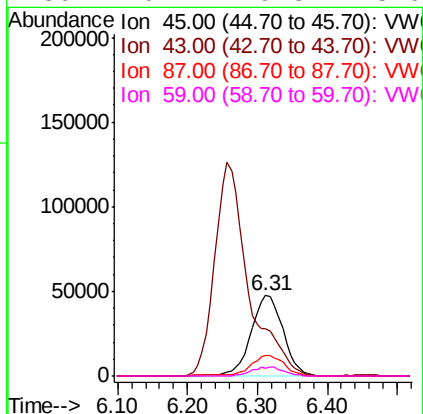
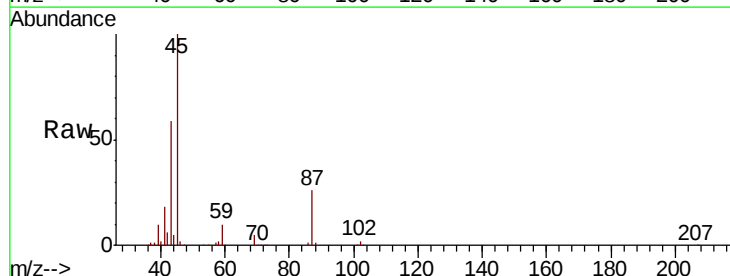
Ion Ratio Lower Upper

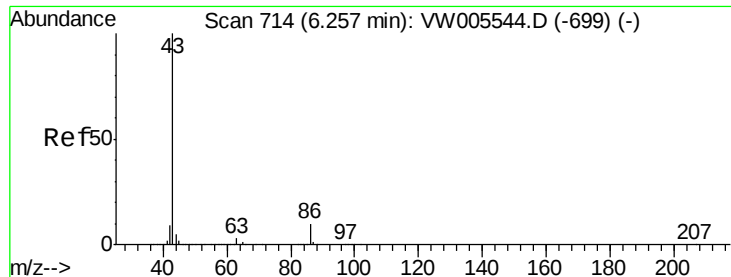
45 100

43 59.0 44.2 66.4

87 25.7 21.4 32.2

59 10.2 9.3 13.9





#23

Vinyl Acetate

Concen: 96.825 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

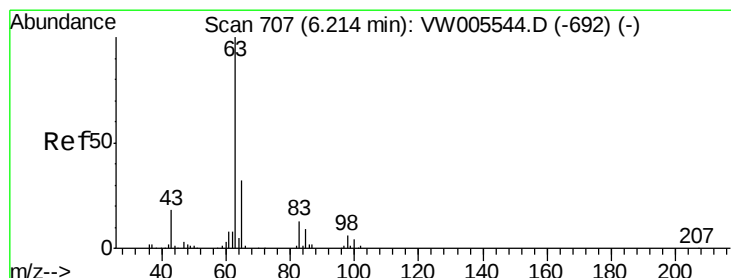
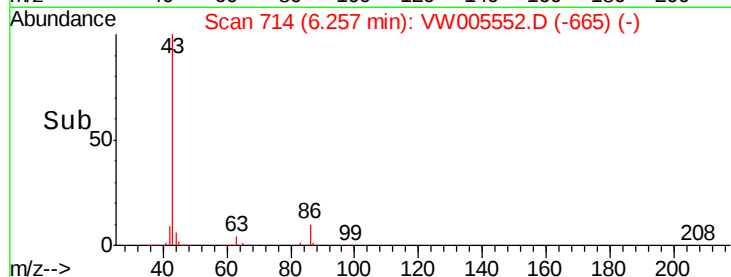
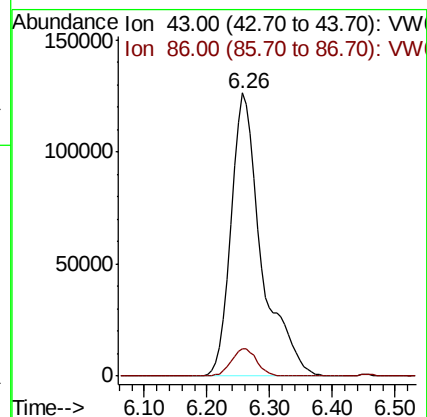
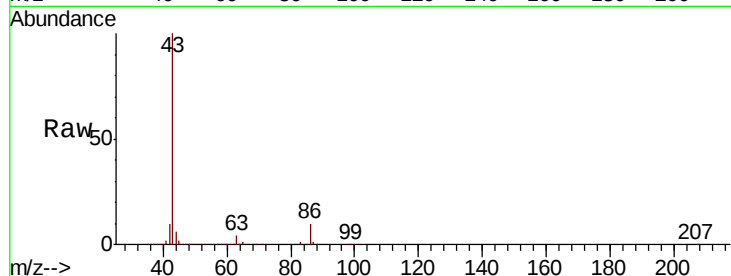
ClientSampled :

Tot Ion: 43 Resp: 422691

Ion Ratio Lower Upper

43 100

86 9.6 7.7 11.5



#24

1,1-Dichloroethane

Concen: 19.957 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

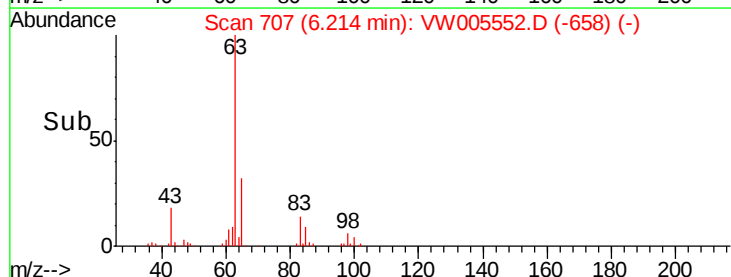
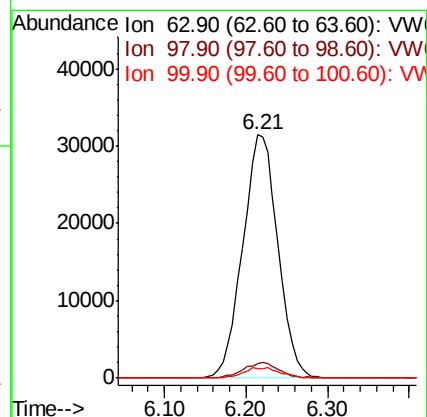
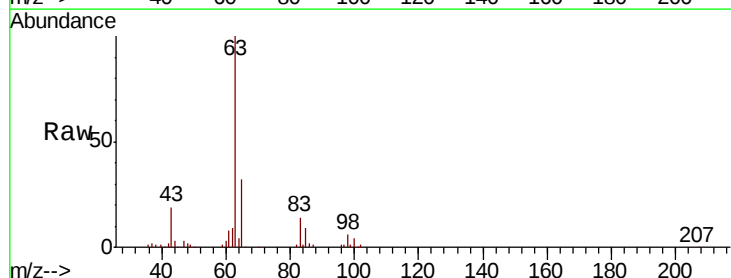
Tgt Ion: 63 Resp: 94177

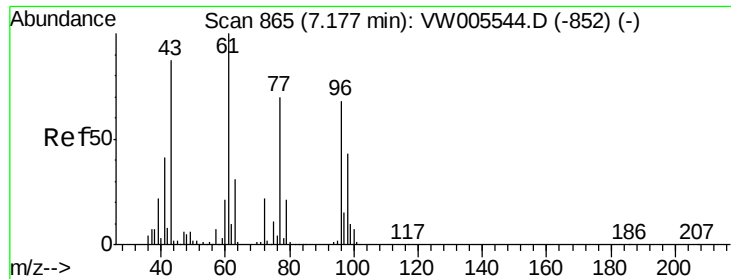
Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.8

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 91.944 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

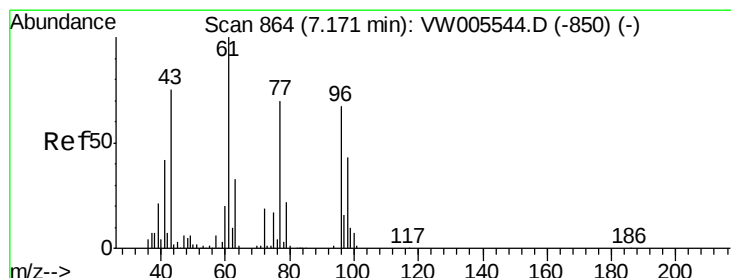
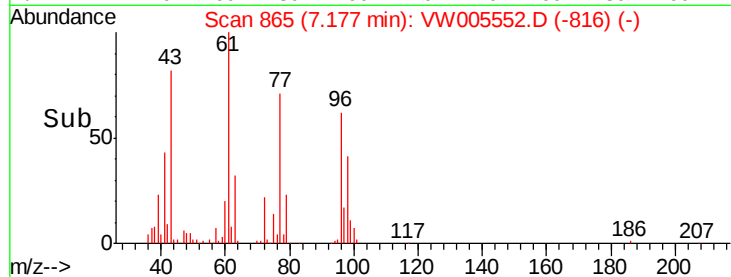
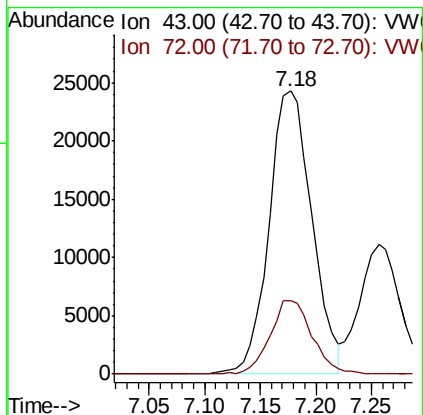
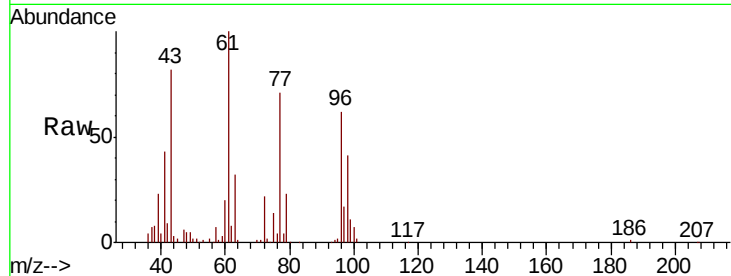
ClientSampleId :

Tot Ion: 43 Resp: 65121

Ion Ratio Lower Upper

43 100

72 26.1 19.9 29.9



#26

2,2-Dichloropropane

Concen: 20.676 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW005552.D

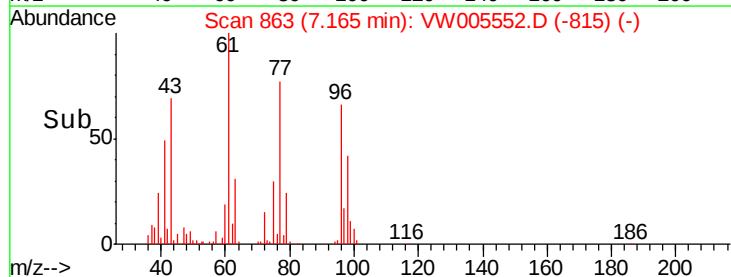
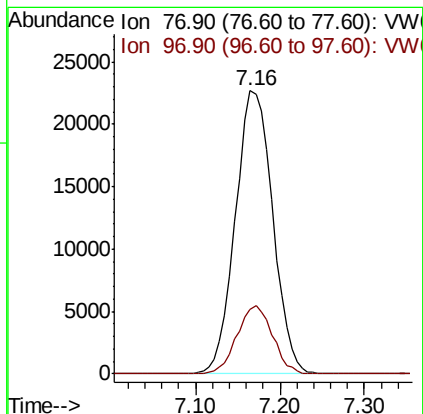
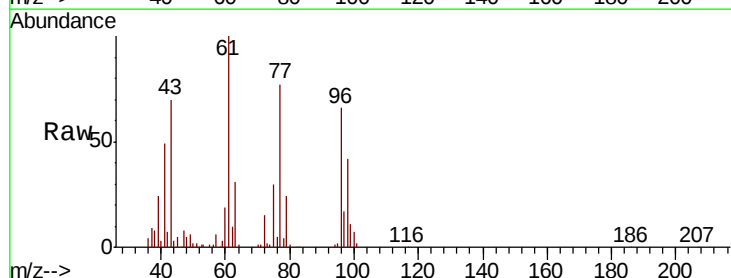
Acq: 21 Sep 2018 11:48

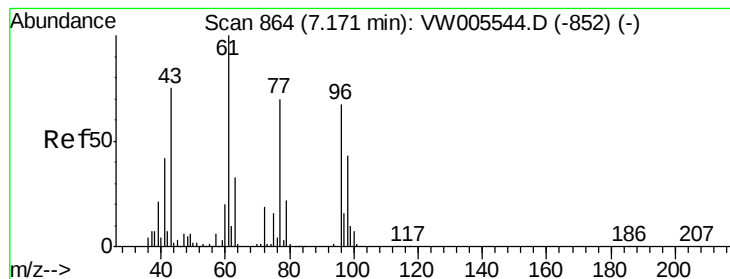
Tgt Ion: 77 Resp: 68114

Ion Ratio Lower Upper

77 100

97 22.7 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 19.666 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :
MSVOA_W
ClientSampled :

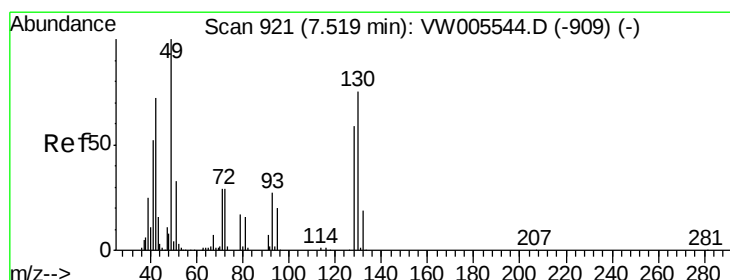
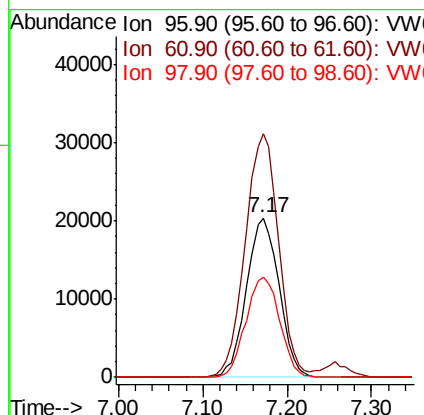
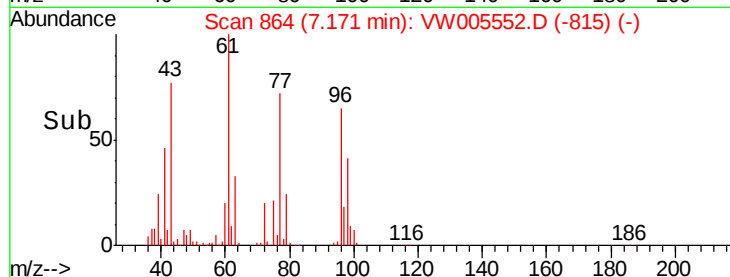
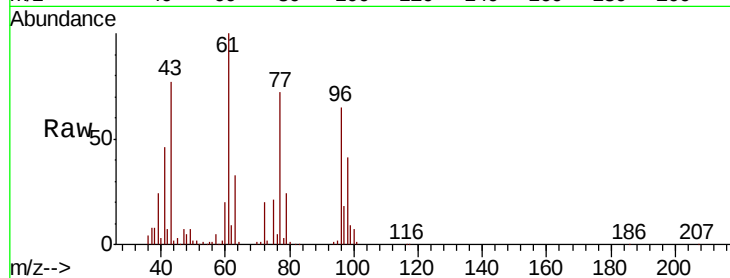
Tot Ion: 96 Resp: 53562

Ion Ratio Lower Upper

96 100

61 155.5 0.0 303.4

98 64.8 0.0 127.2



#28

Bromochloromethane

Concen: 19.230 ug/l

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

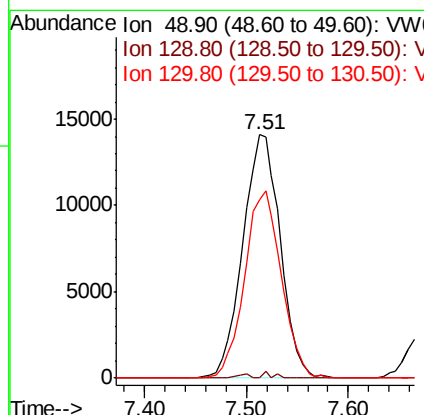
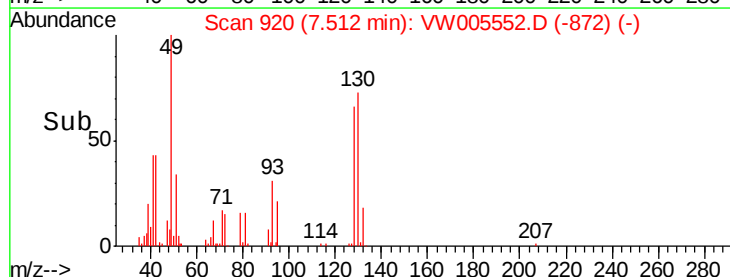
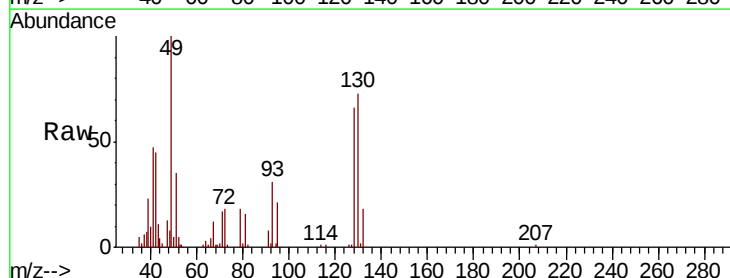
Tgt Ion: 49 Resp: 35946

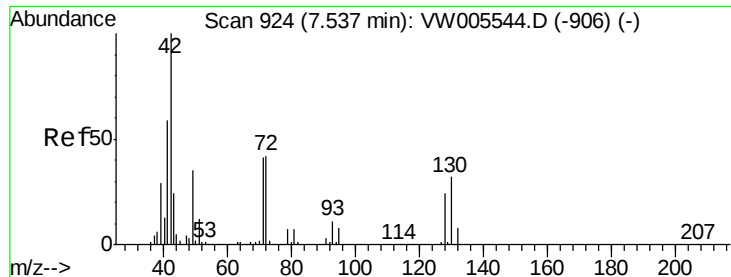
Ion Ratio Lower Upper

49 100

129 0.7 0.0 1.4

130 75.8 61.3 91.9

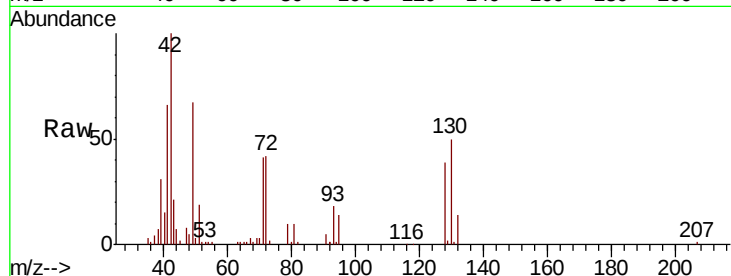




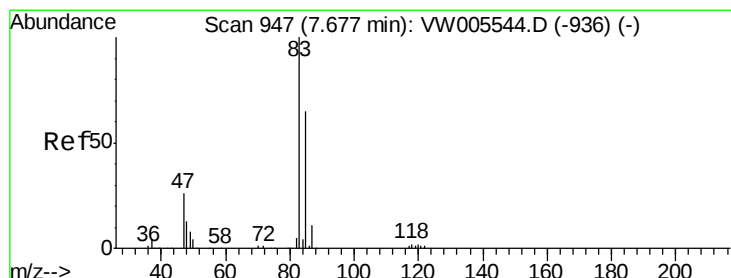
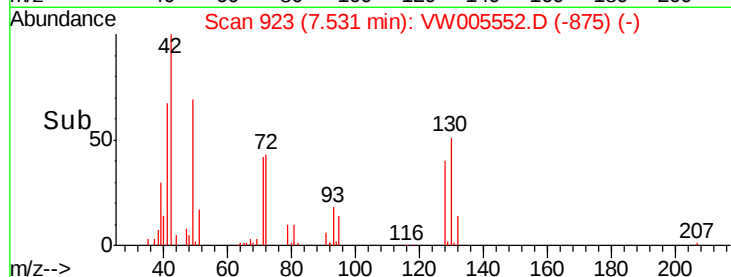
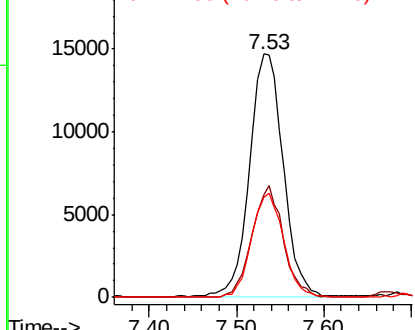
#29
Tetrahydrofuran
Concen: 89.703 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 39692
Ion Ratio Lower Upper
42 100
72 42.3 33.6 50.4
71 40.5 31.8 47.6

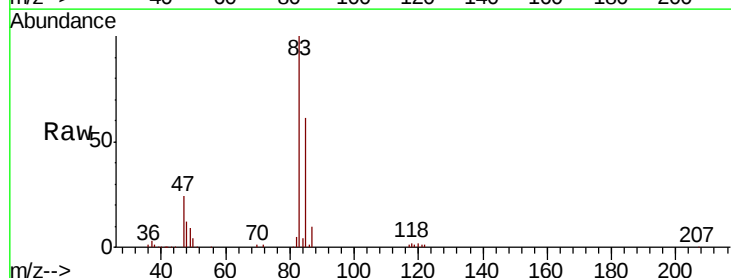


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

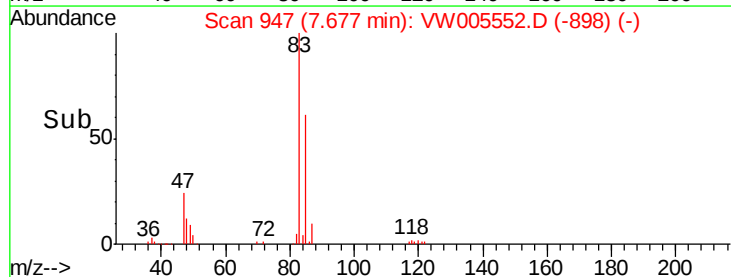
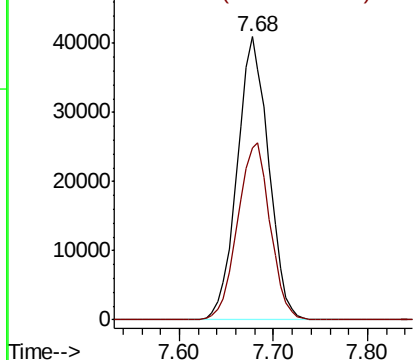


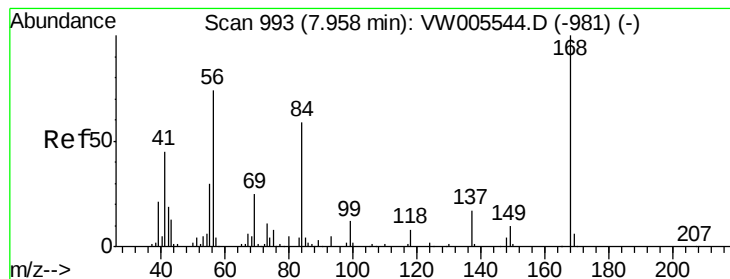
#30
Chloroform
Concen: 19.528 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

Tgt Ion: 83 Resp: 95138
Ion Ratio Lower Upper
83 100
85 60.8 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: 20.603 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

ClientSampled :

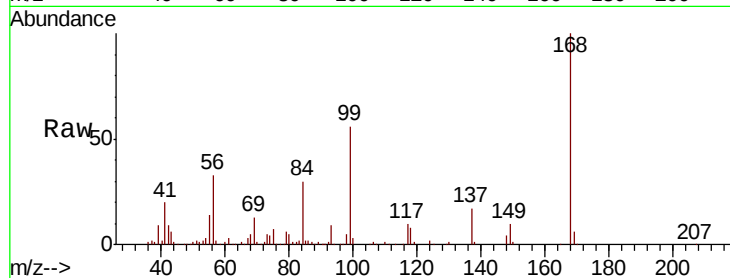
Tot Ion: 56 Resp: 93145

Ion Ratio Lower Upper

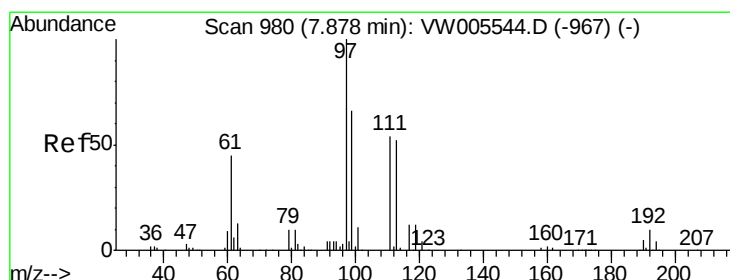
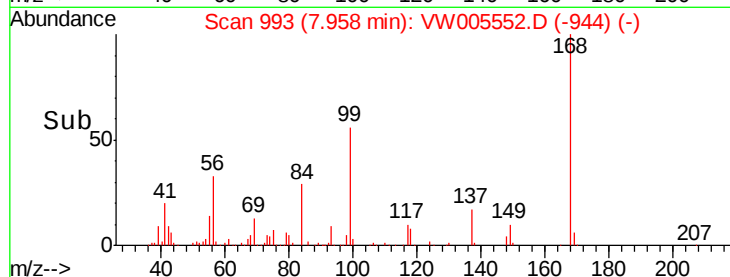
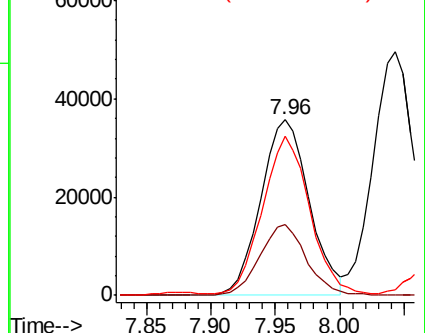
56 100

69 40.0 27.0 40.4

84 89.1 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: 20.480 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

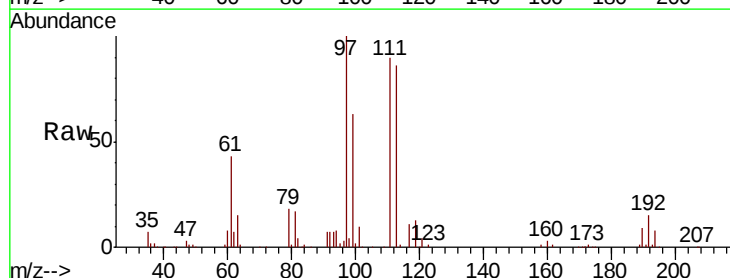
Tgt Ion: 97 Resp: 88141

Ion Ratio Lower Upper

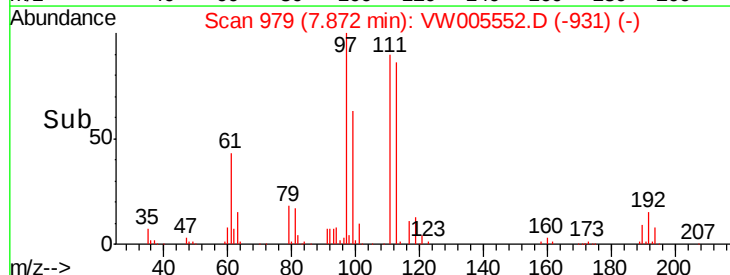
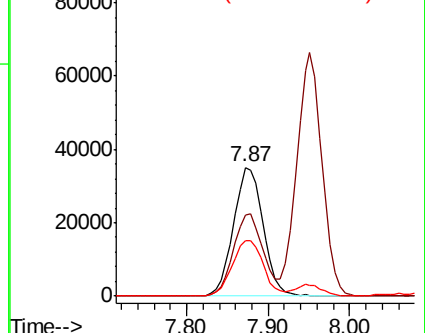
97 100

99 63.1 51.0 76.6

61 44.9 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: 46.912 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

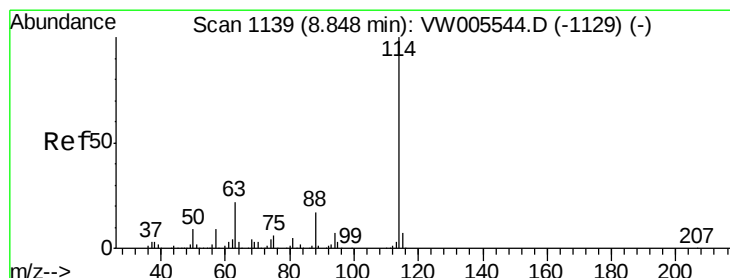
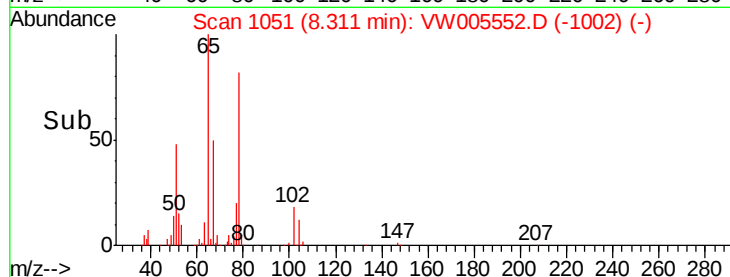
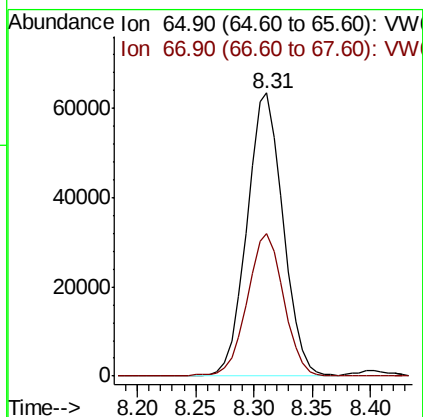
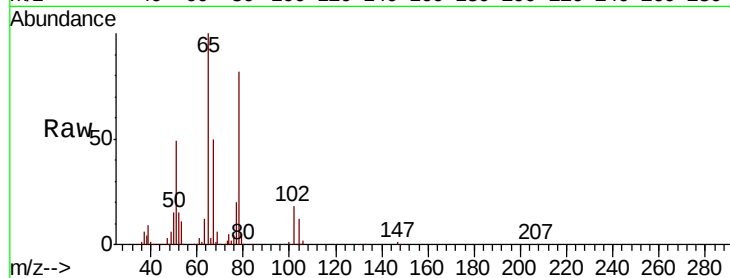
ClientSampleId :

Tot Ion: 65 Resp: 136805

Ion Ratio Lower Upper

65 100

67 51.0 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: VW005552.D

Acq: 21 Sep 2018 11:48

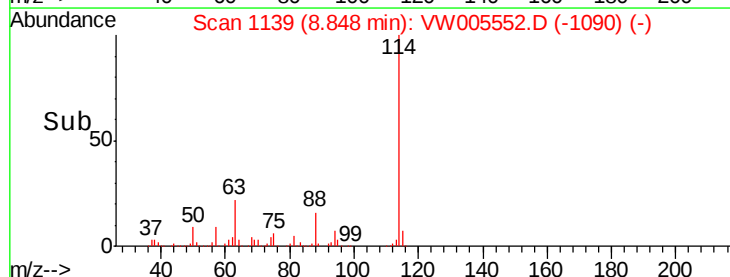
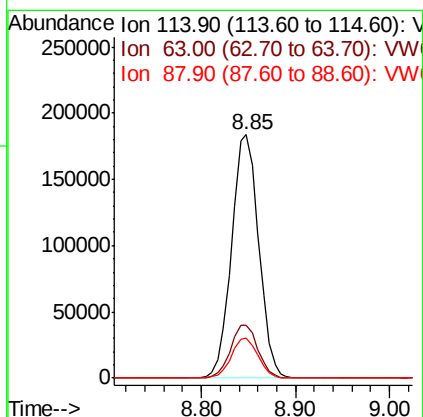
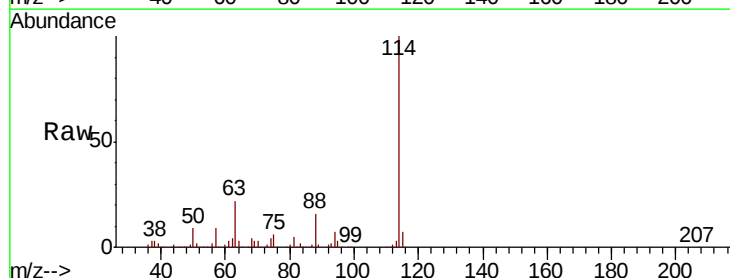
Tgt Ion: 114 Resp: 365779

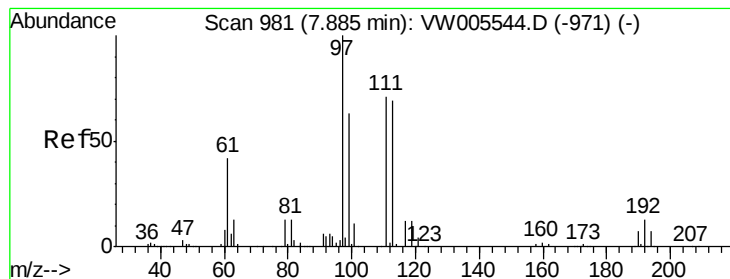
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.0

88 16.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.128 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

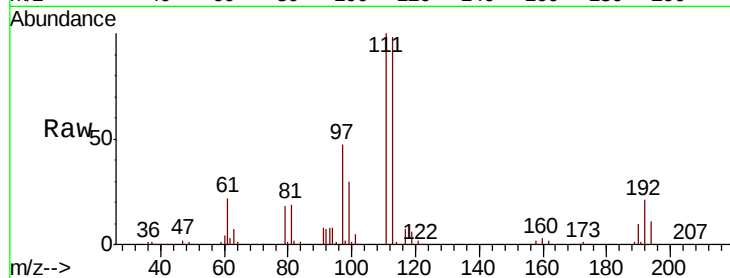
Tot Ion:113 Resp: 115307

Ion Ratio Lower Upper

113 100

111 103.0 82.6 123.8

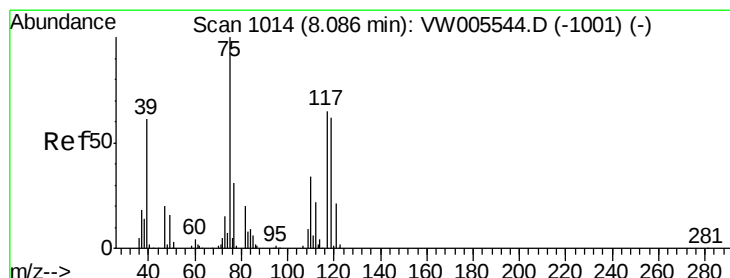
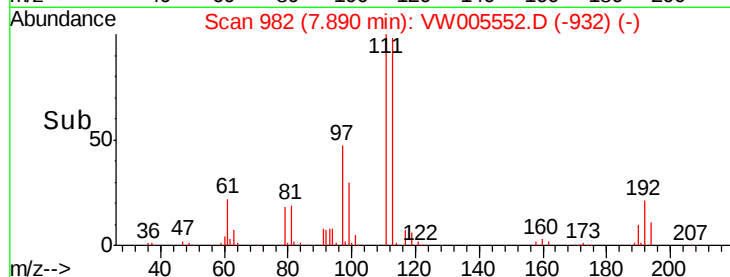
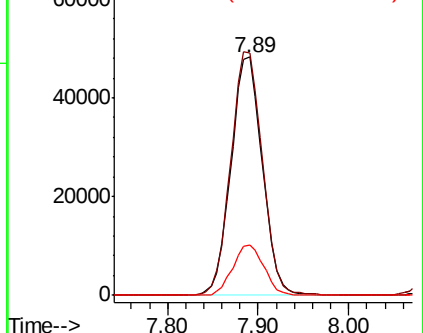
192 21.0 17.0 25.4



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: 21.428 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

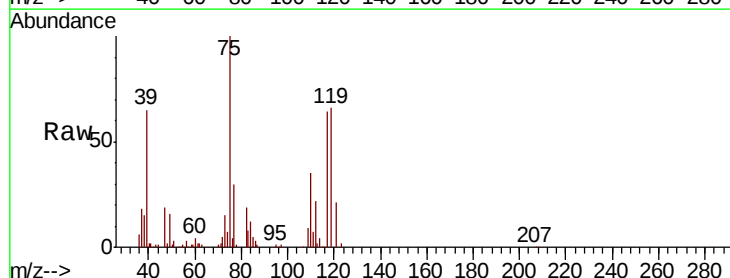
Tgt Ion: 75 Resp: 78902

Ion Ratio Lower Upper

75 100

110 34.5 17.0 50.9

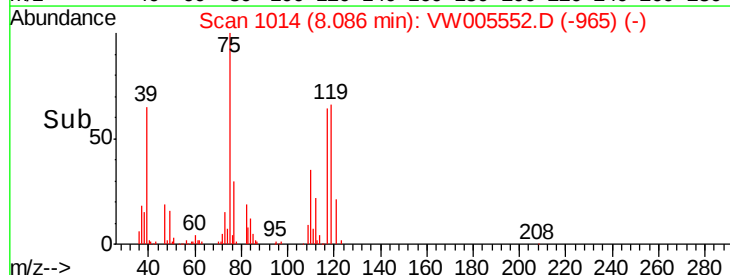
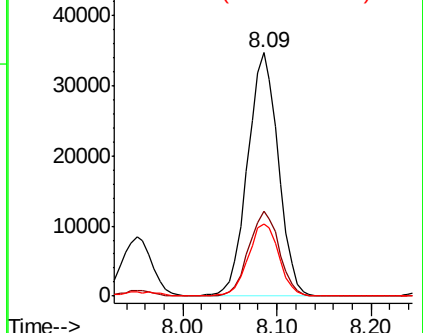
77 29.9 24.8 37.2

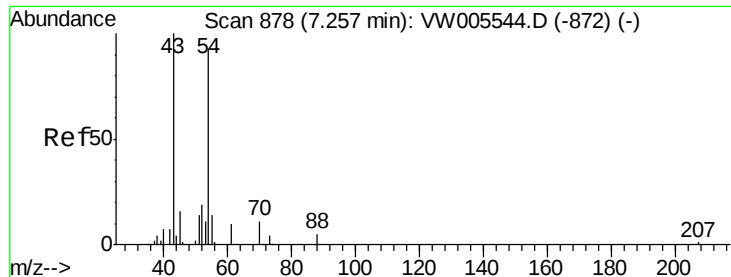


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

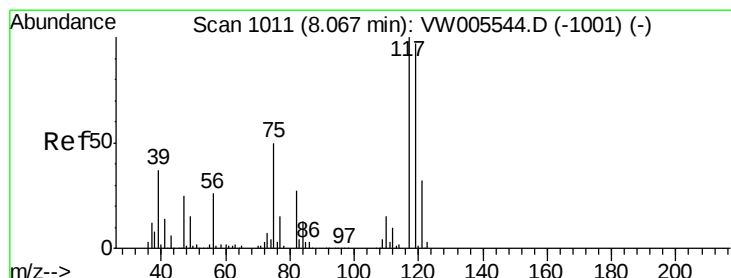
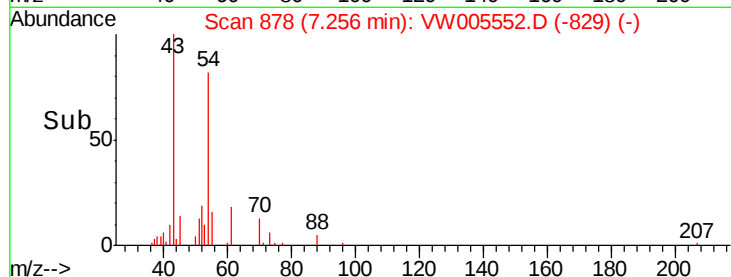
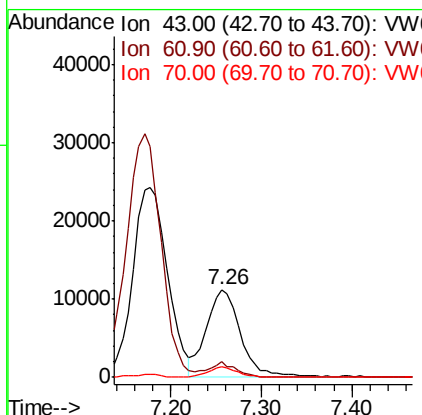
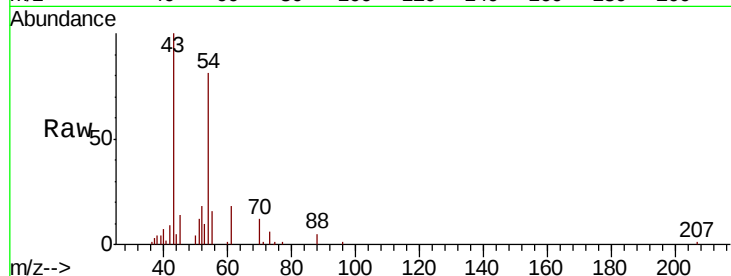




#37
Ethyl Acetate
Concen: 18.888 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

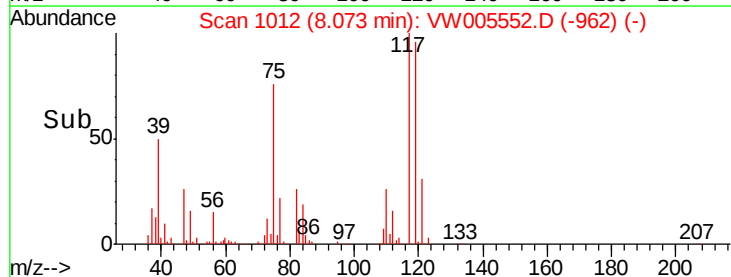
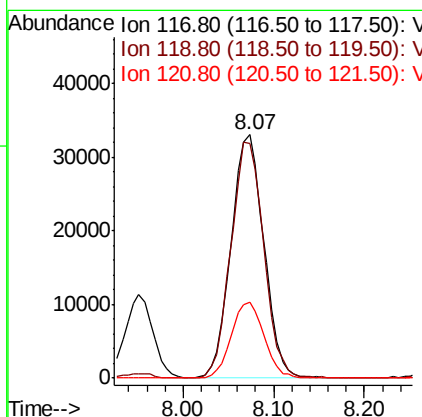
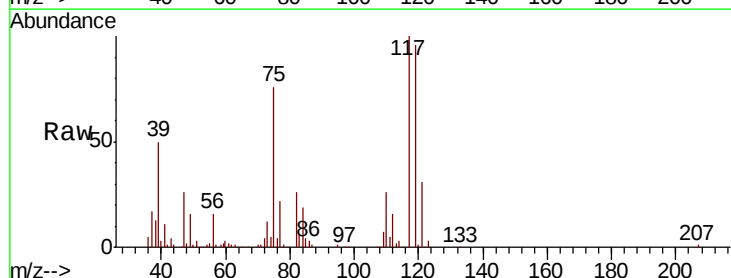
Instrument :
MSVOA_W
ClientSampleId :

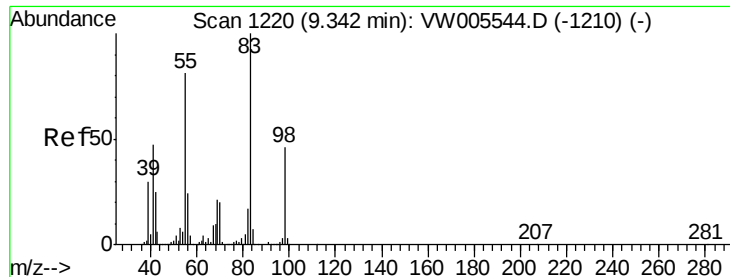
Tot Ion: 43 Resp: 29268
Ion Ratio Lower Upper
43 100
61 14.3 10.4 15.6
70 10.7 8.2 12.2



#38
Carbon Tetrachloride
Concen: 21.034 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

Tgt Ion: 117 Resp: 82994
Ion Ratio Lower Upper
117 100
119 96.1 77.6 116.4
121 31.3 25.7 38.5

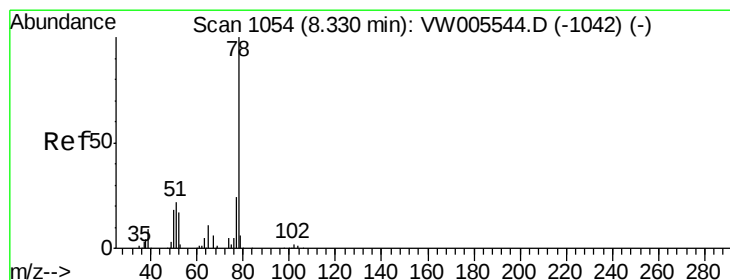
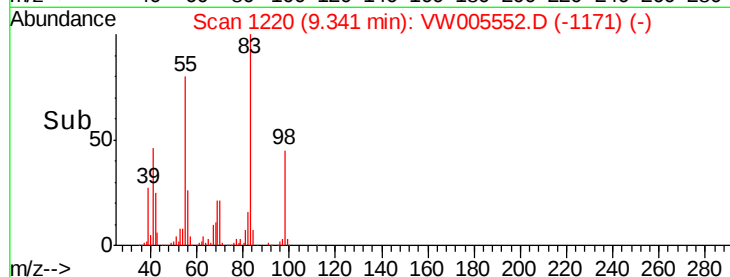
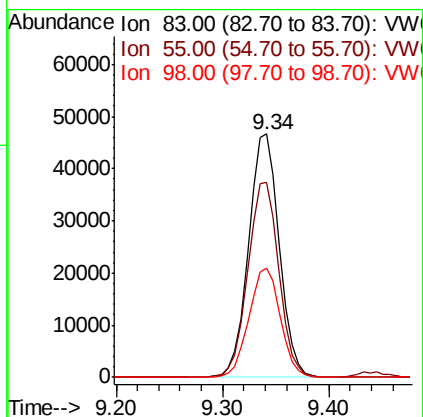
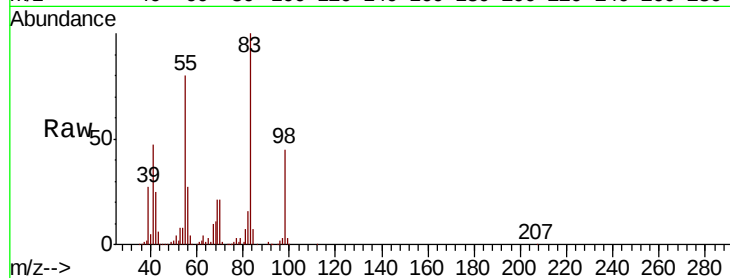




#39
Methvlcvclohexane
Concen: 21.749 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

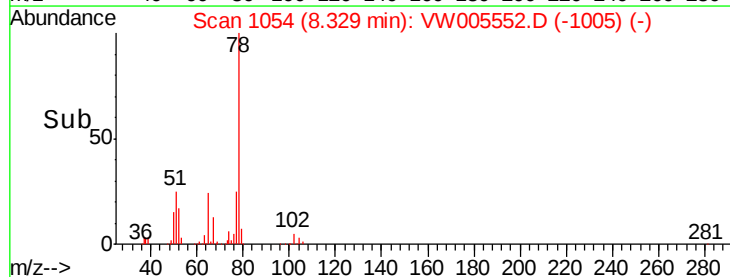
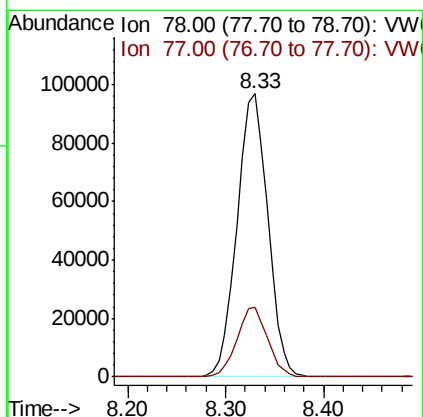
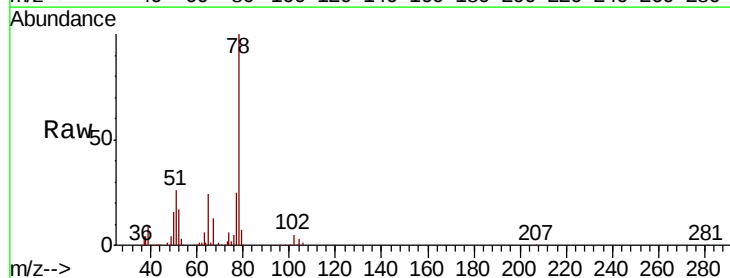
Instrument :
MSVOA_W
ClientSampled :

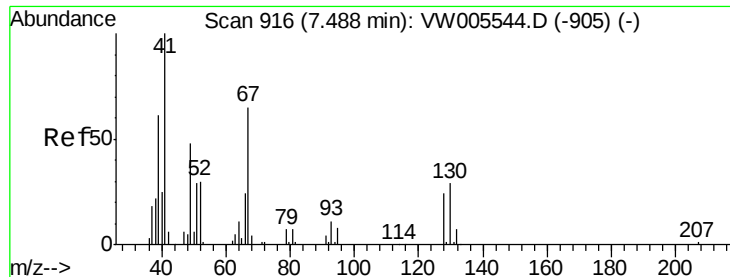
Tot Ion: 83 Resp: 94482
Ion Ratio Lower Upper
83 100
55 79.9 64.6 97.0
98 44.9 37.0 55.6



#40
Benzene
Concen: 20.372 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

Tgt Ion: 78 Resp: 212535
Ion Ratio Lower Upper
78 100
77 24.7 19.0 28.4

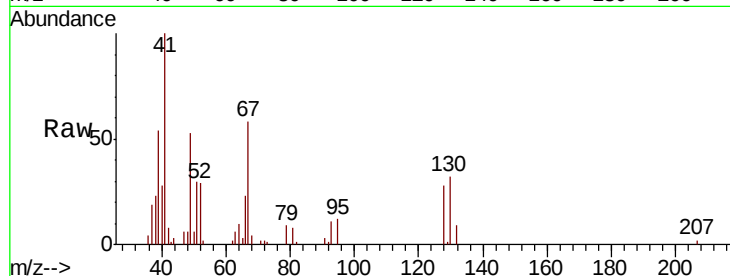




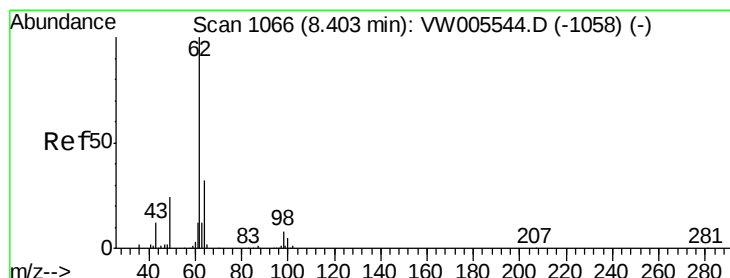
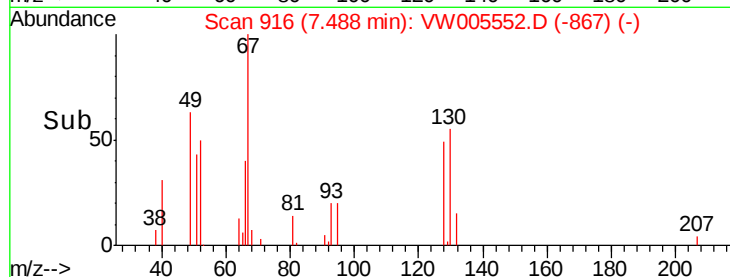
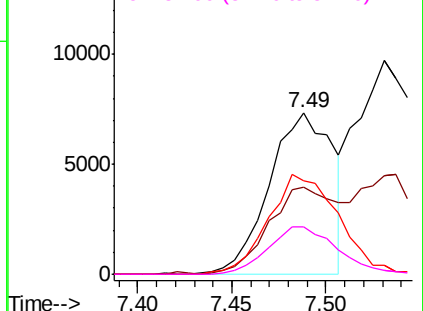
#41
Methacrylonitrile
Concen: 19.558 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	17246
Ion	Ratio	Lower	Upper
41	100		
39	55.4	45.4	68.2
67	68.3	55.2	82.8
52	32.1	25.3	37.9

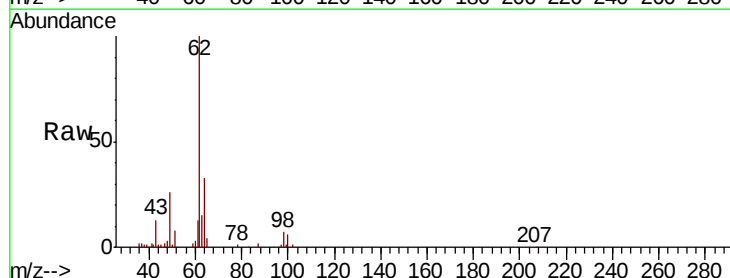


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

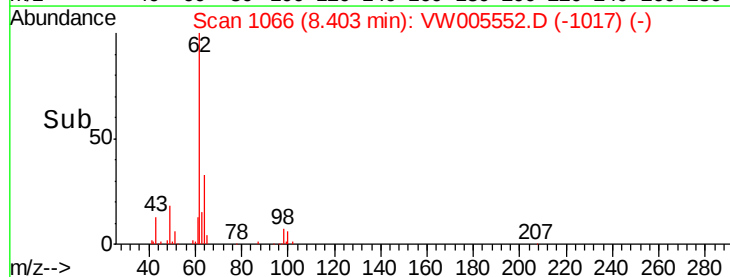
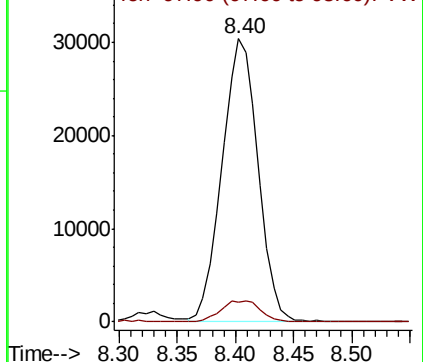


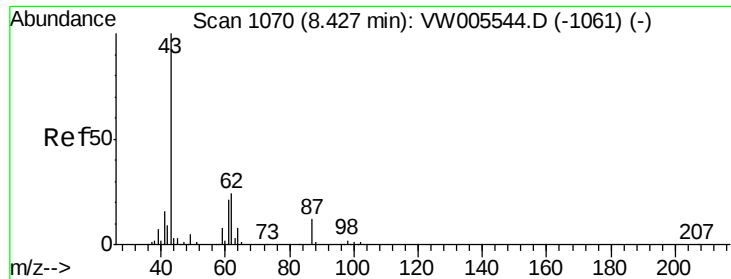
#42
1,2-Dichloroethane
Concen: 19.488 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

Tgt Ion:	62	Resp:	65094
Ion	Ratio	Lower	Upper
62	100		
98	8.0	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: 18.168 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

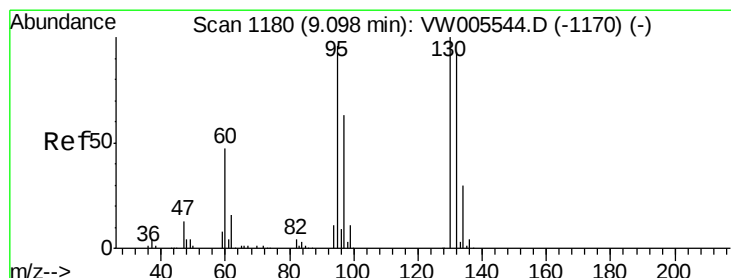
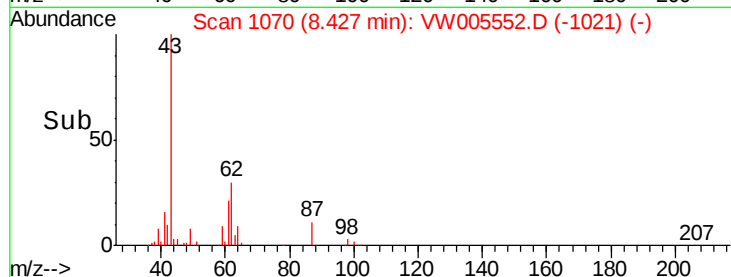
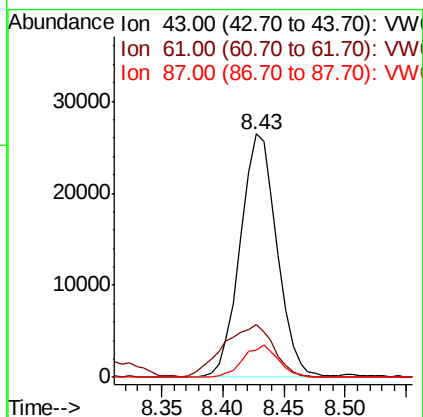
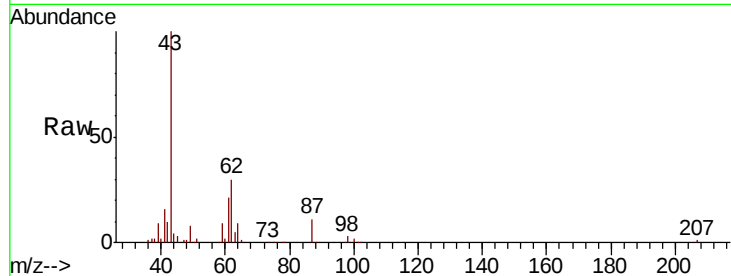
Tot Ion: 43 Resp: 55350

Ion Ratio Lower Upper

43 100

61 29.6 24.1 36.1

87 12.7 9.8 14.8



#44

Trichloroethene

Concen: 21.034 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW005552.D

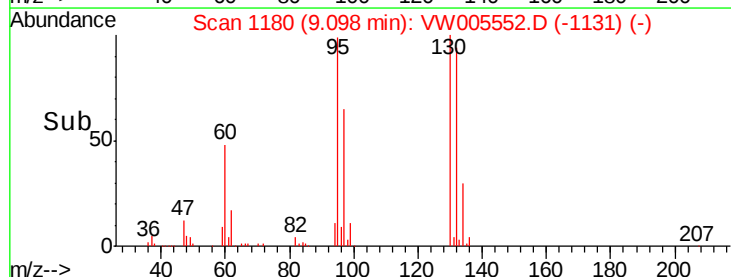
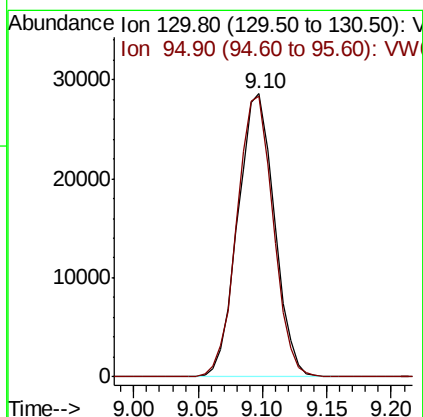
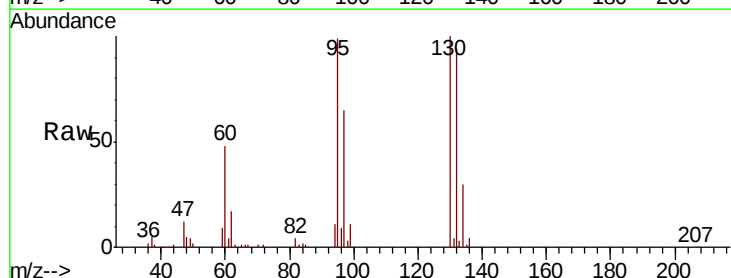
Acq: 21 Sep 2018 11:48

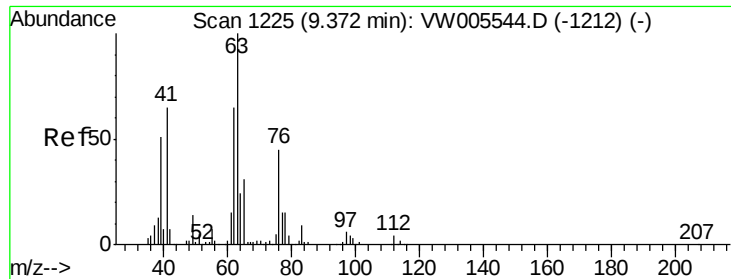
Tgt Ion: 130 Resp: 56170

Ion Ratio Lower Upper

130 100

95 99.3 0.0 191.2

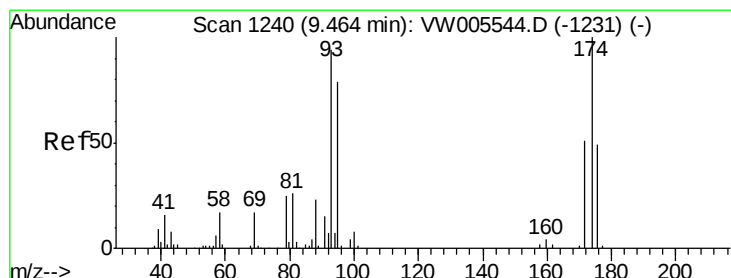
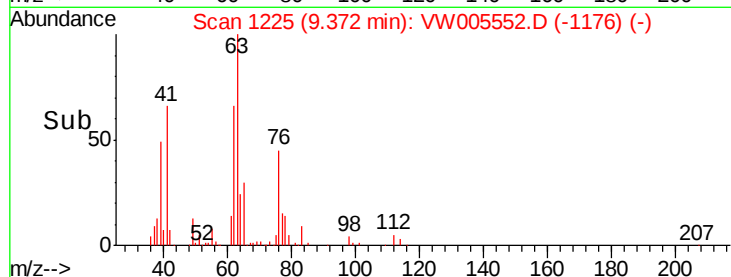
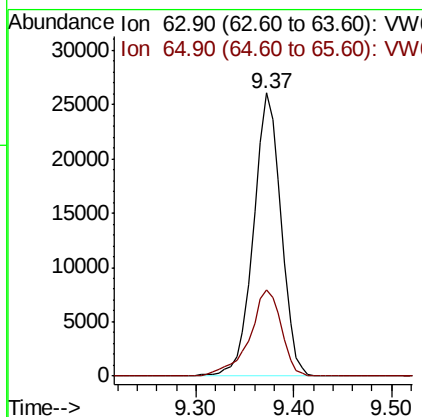
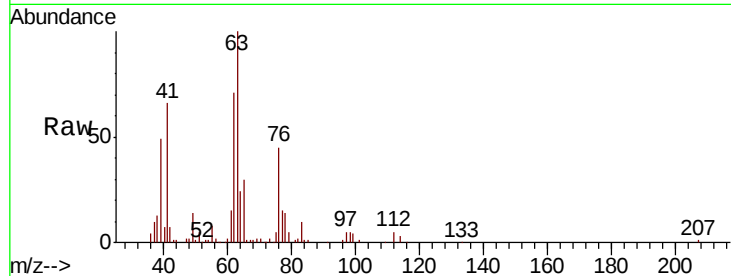




#45
 1,2-Dichloropropane
 Concen: 19.796 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW005552.D
 Acq: 21 Sep 2018 11:48

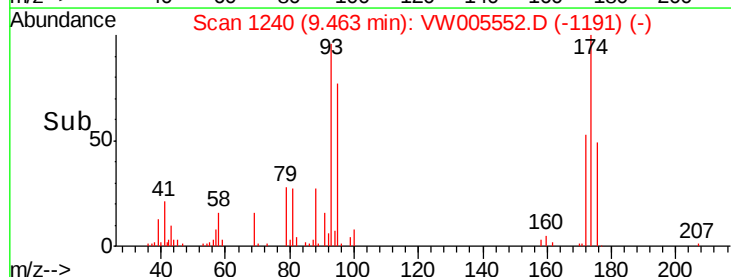
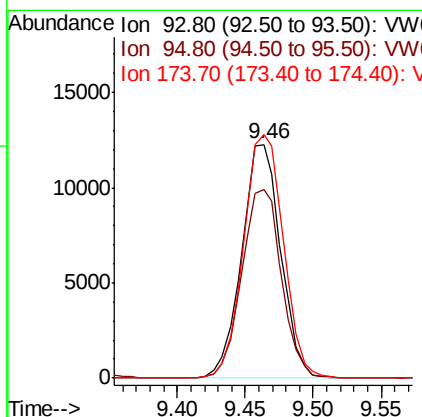
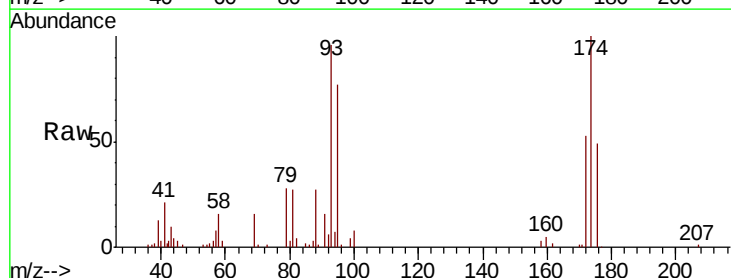
Instrument :
 MSVOA_W
 ClientSampled :

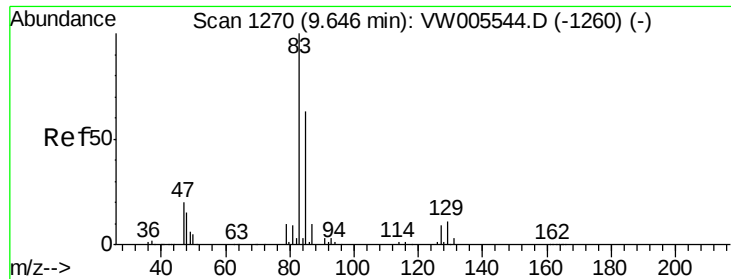
Tot Ion: 63 Resp: 50811
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.7 37.1



#46
 Dibromomethane
 Concen: 19.152 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW005552.D
 Acq: 21 Sep 2018 11:48

Tgt Ion: 93 Resp: 24562
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.8 98.8
 174 106.7 84.0 126.0

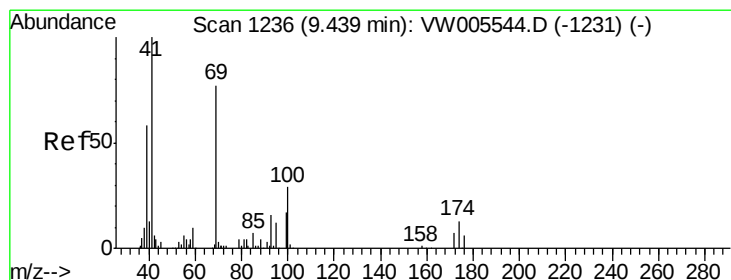
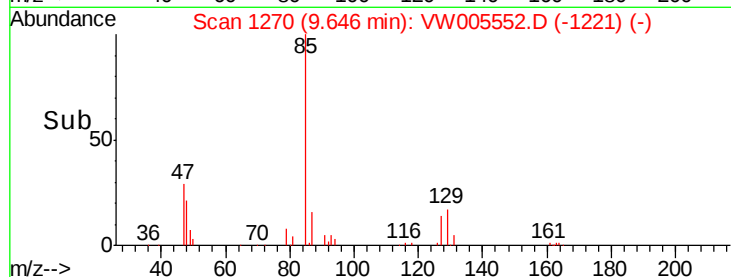
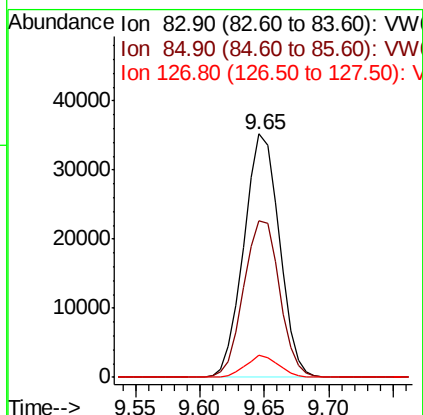
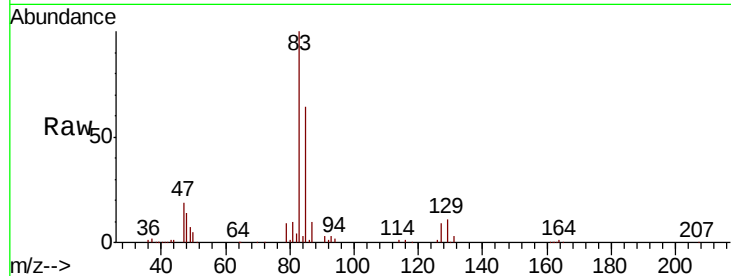




#47
Bromodichloromethane
Concen: 19.548 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

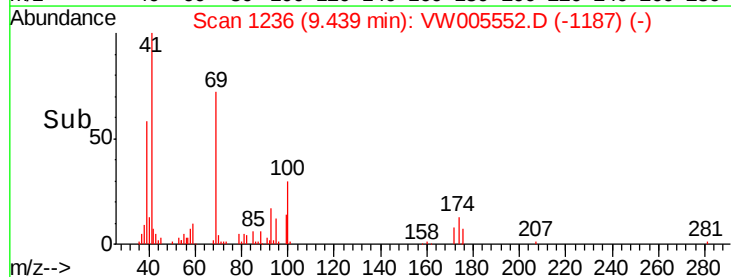
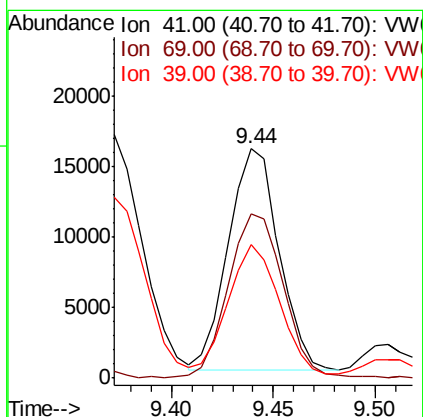
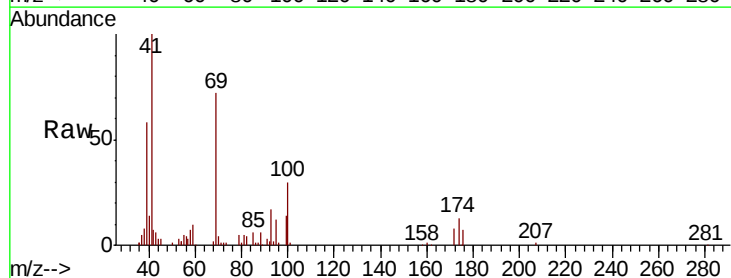
Instrument :
MSVOA_W
ClientSampleId :

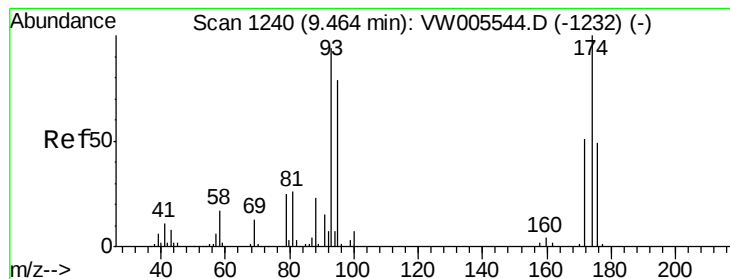
Tot Ion: 83 Resp: 67342
Ion Ratio Lower Upper
83 100
85 64.3 50.5 75.7
127 9.1 7.0 10.6



#48
Methyl methacrylate
Concen: 18.690 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

Tgt Ion: 41 Resp: 27045
Ion Ratio Lower Upper
41 100
69 81.2 64.7 97.1
39 57.8 50.5 75.7





#49

1,4-Dioxane

Concen: 372.745 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

ClientSampled :

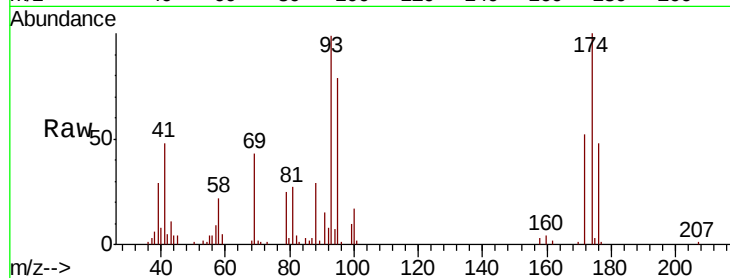
Tot Ion: 88 Resp: 7600

Ion Ratio Lower Upper

88 100

43 33.8 0.0 0.0#

58 76.9 61.2 91.8

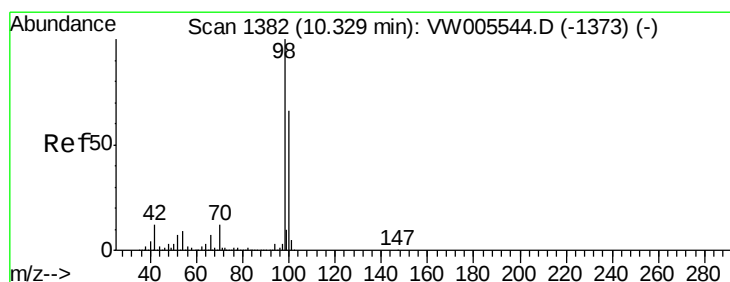
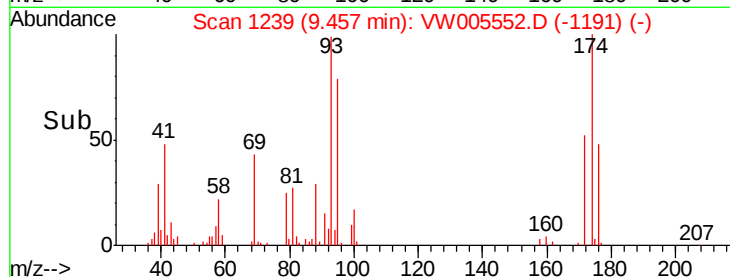
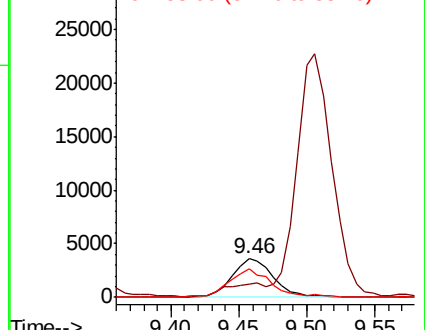


Abundance

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: 51.987 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005552.D

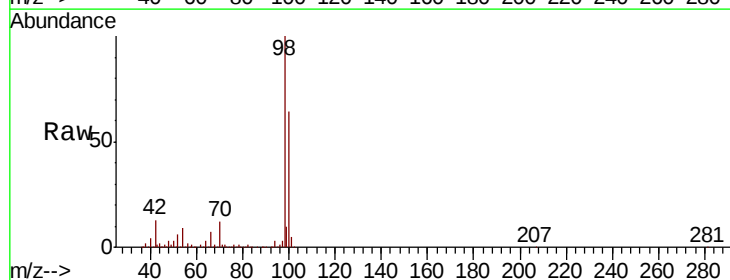
Acq: 21 Sep 2018 11:48

Tgt Ion: 98 Resp: 486912

Ion Ratio Lower Upper

98 100

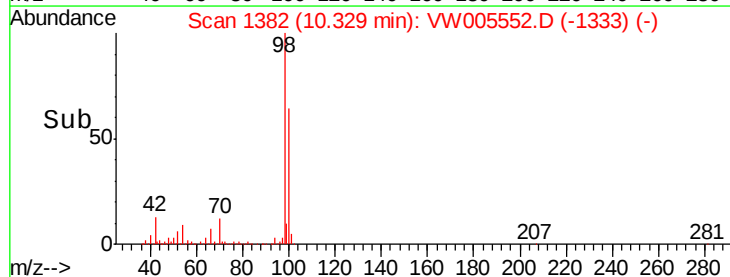
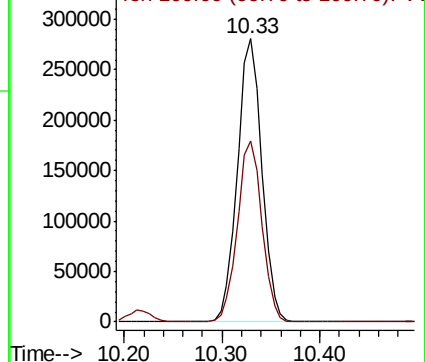
100 64.1 51.6 77.4

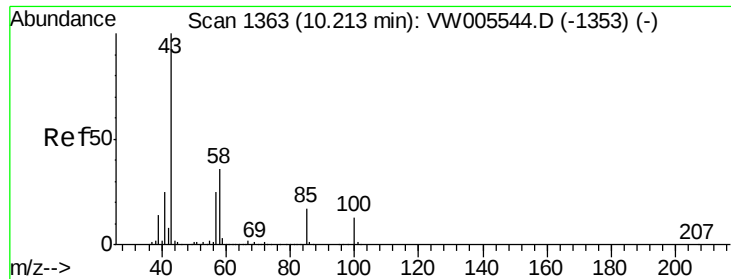


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 91.215 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

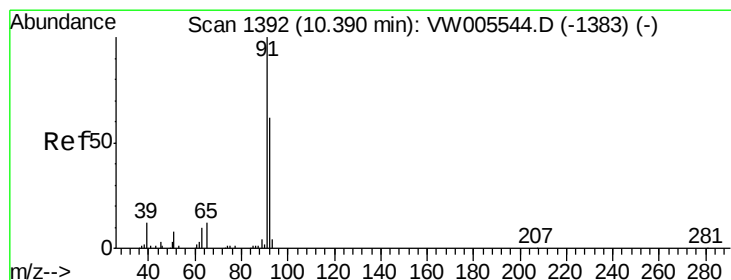
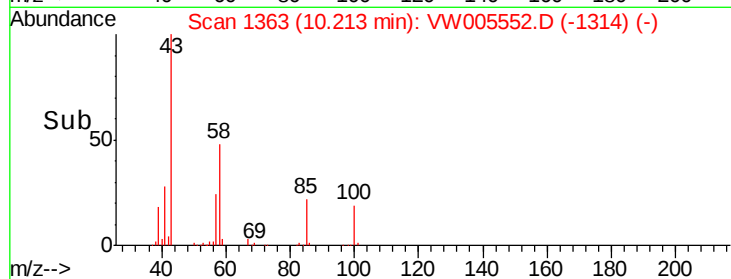
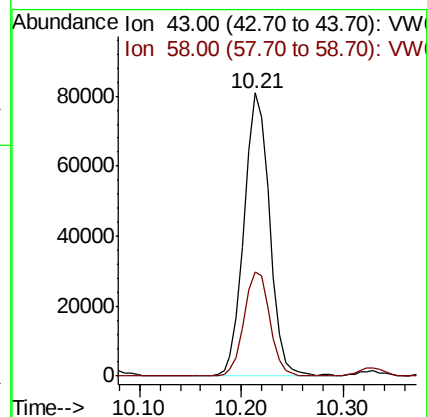
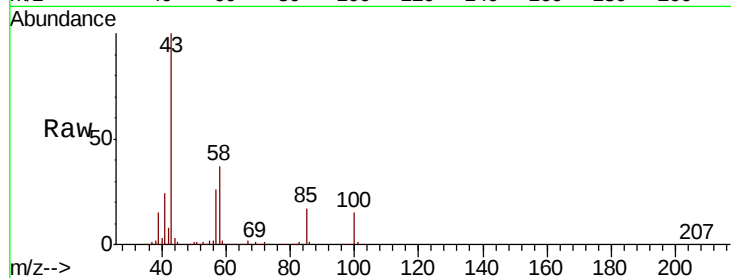
ClientSampleId :

Tot Ion: 43 Resp: 139963

Ion Ratio Lower Upper

43 100

58 37.4 30.0 45.0



#52

Toluene

Concen: 20.769 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005552.D

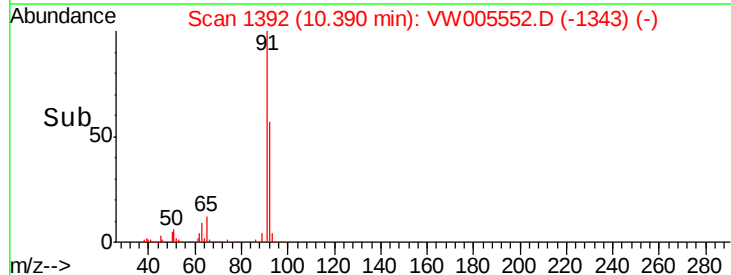
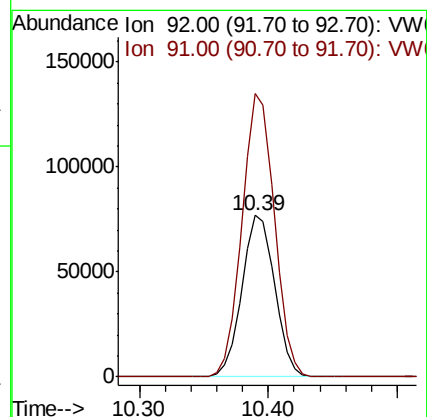
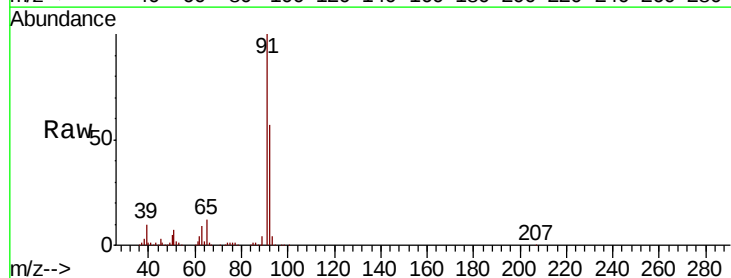
Acq: 21 Sep 2018 11:48

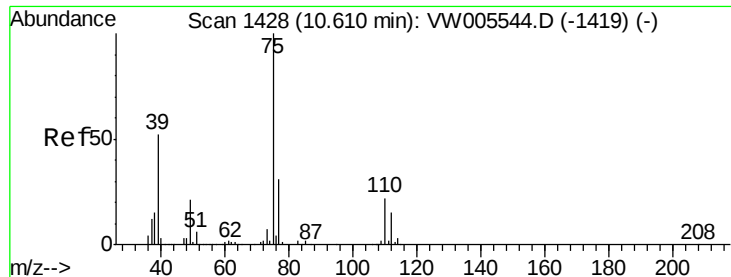
Tgt Ion: 92 Resp: 135201

Ion Ratio Lower Upper

92 100

91 173.6 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 20.156 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

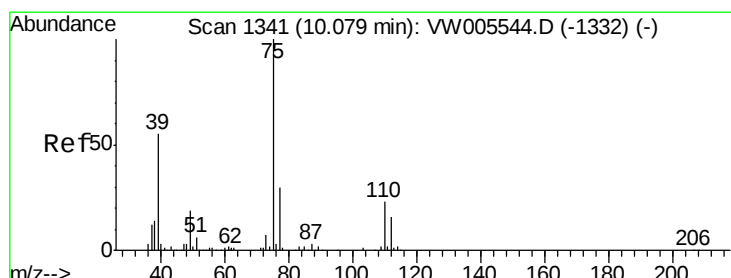
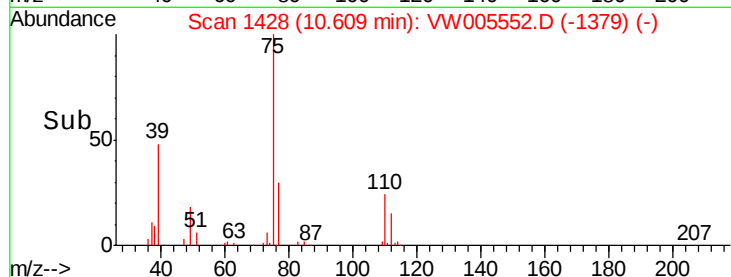
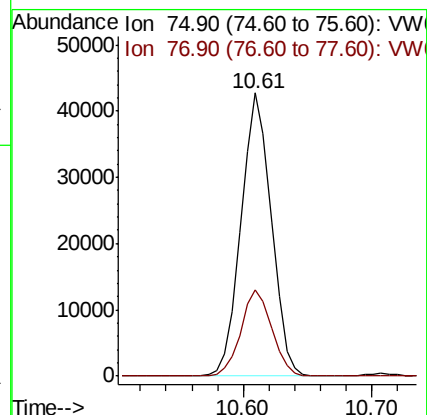
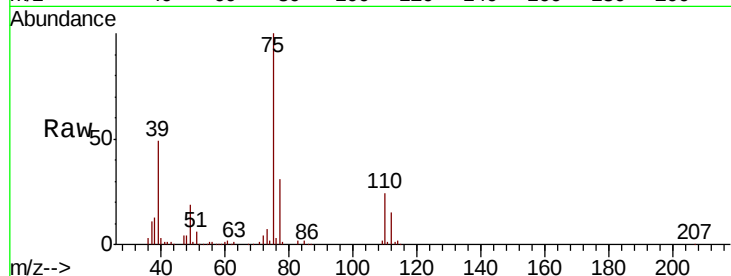
ClientSampleId :

Tot Ion: 75 Resp: 69609

Ion Ratio Lower Upper

75 100

77 30.7 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 20.069 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

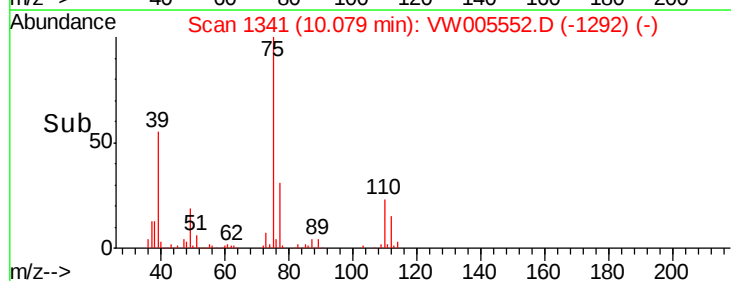
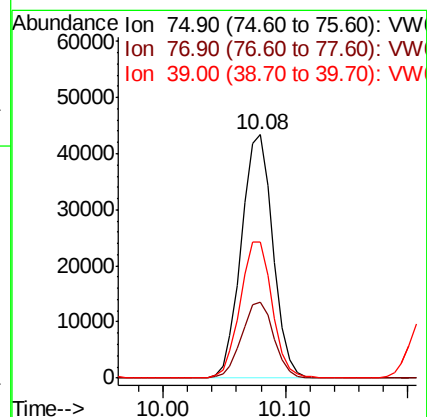
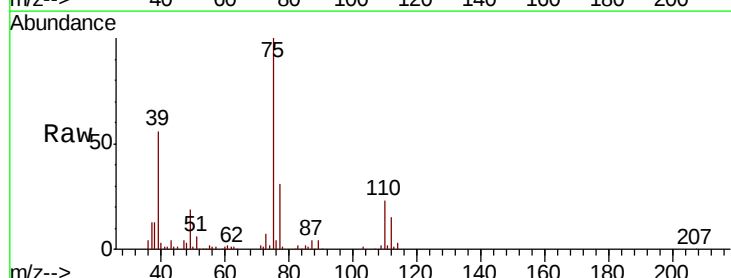
Tgt Ion: 75 Resp: 77657

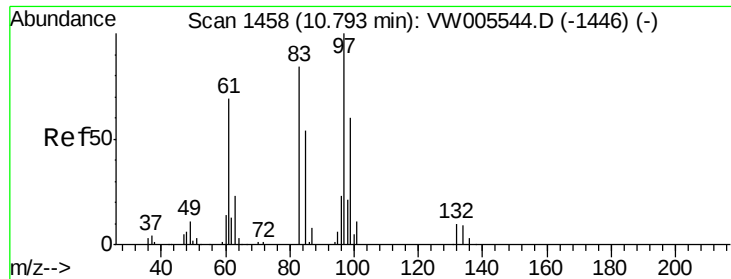
Ion Ratio Lower Upper

75 100

77 31.5 24.3 36.5

39 55.7 43.7 65.5



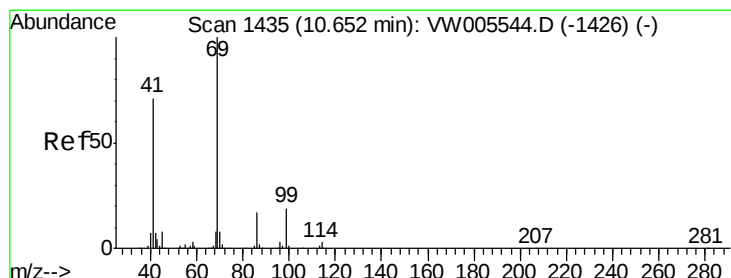
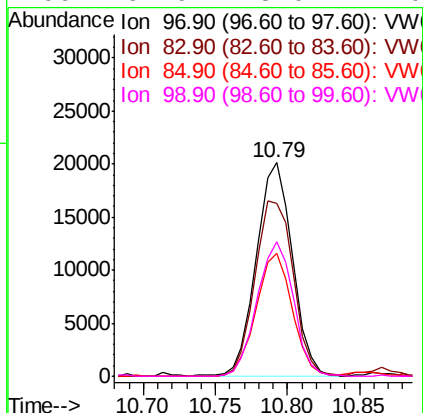
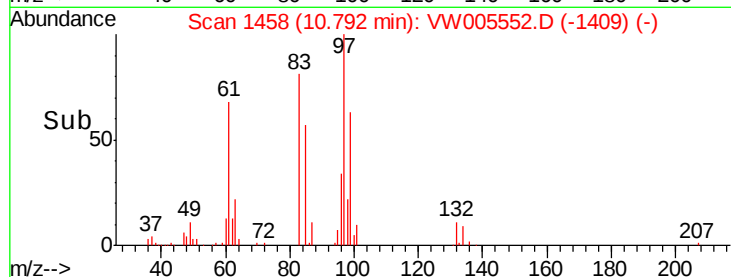
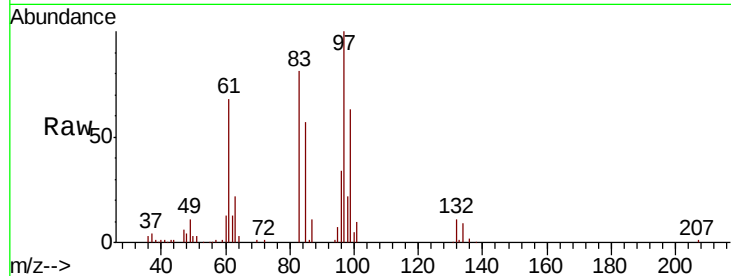


#55
 1,1,2-Trichloroethane
 Concen: 19.206 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005552.D
 Acq: 21 Sep 2018 11:48

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 97 Resp: 34963

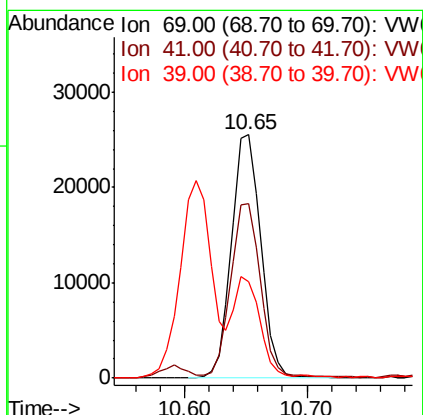
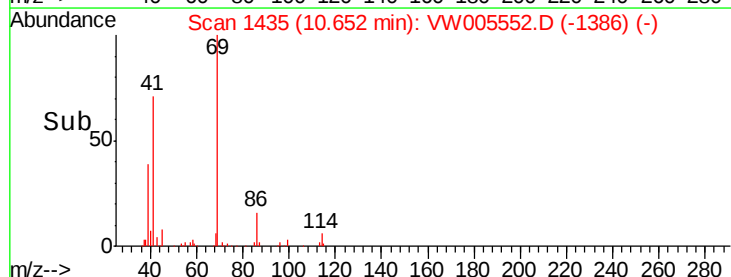
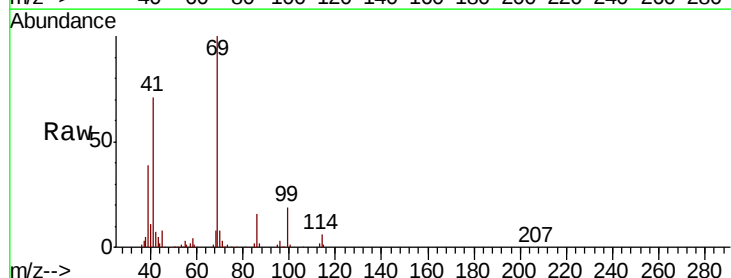
Ion	Ratio	Lower	Upper
97	100		
83	81.1	67.4	101.2
85	57.3	43.3	64.9
99	62.9	48.0	72.0

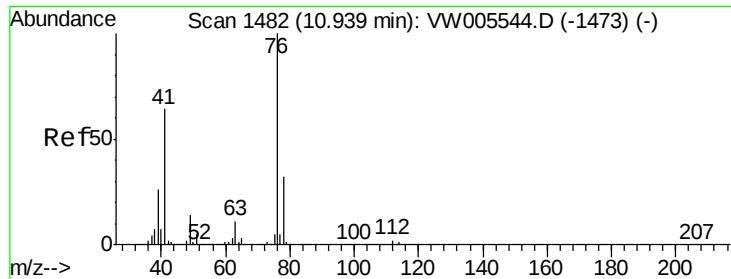


#56
 Ethyl methacrylate
 Concen: 18.863 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW005552.D
 Acq: 21 Sep 2018 11:48

Tgt Ion: 69 Resp: 42389

Ion	Ratio	Lower	Upper
69	100		
41	71.8	57.3	85.9
39	36.1	29.2	43.8

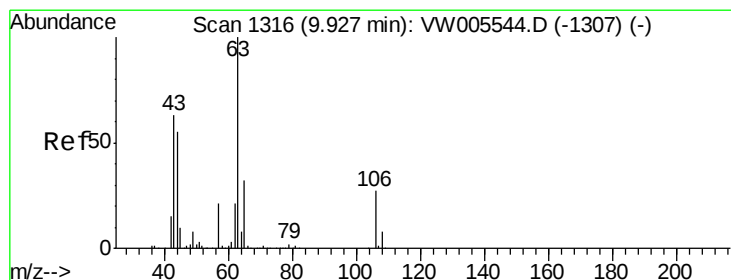
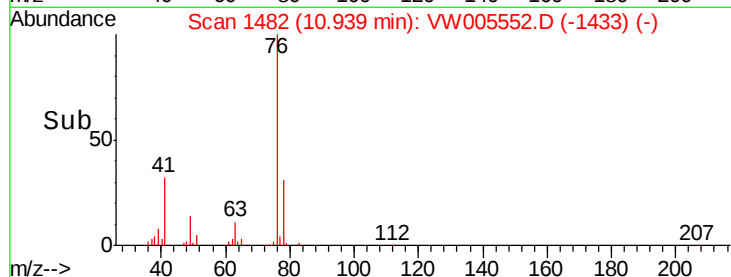
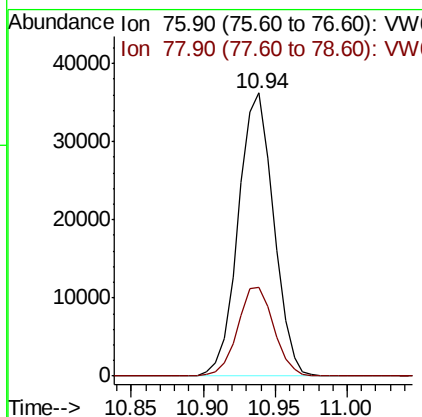
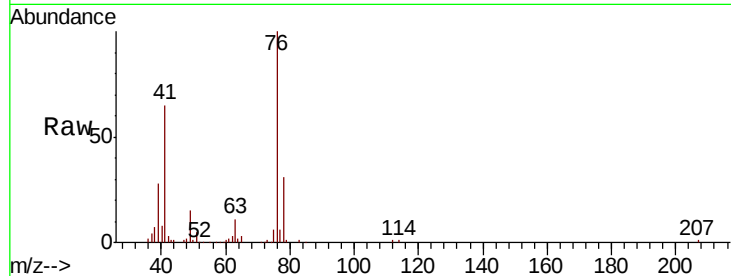




#57
 1,3-Dichloropropane
 Concen: 19.151 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW005552.D
 Acq: 21 Sep 2018 11:48

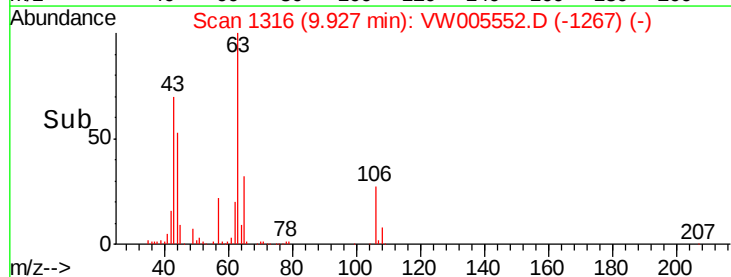
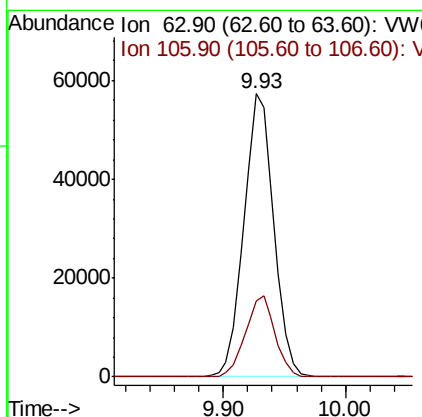
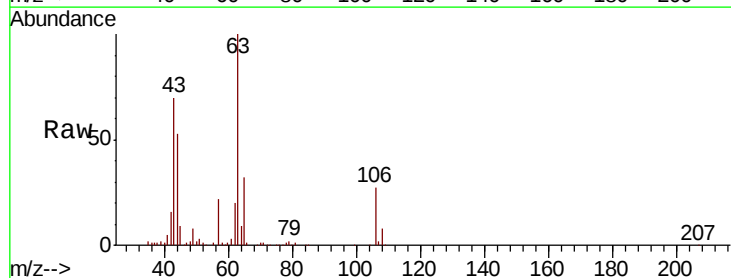
Instrument :
 MSVOA_W
 ClientSampled :

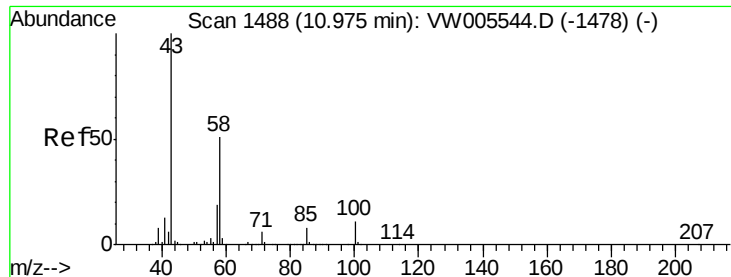
Tot Ion: 76 Resp: 61789
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.251 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW005552.D
 Acq: 21 Sep 2018 11:48

Tgt Ion: 63 Resp: 97029
 Ion Ratio Lower Upper
 63 100
 106 28.5 21.6 32.4

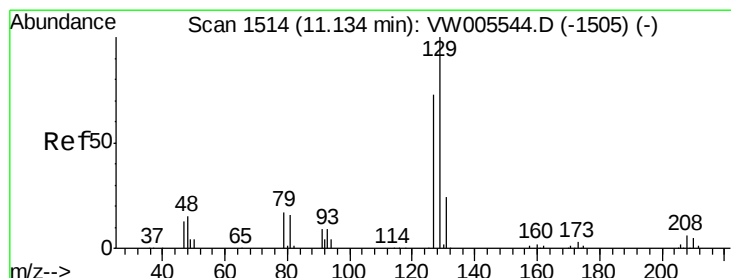
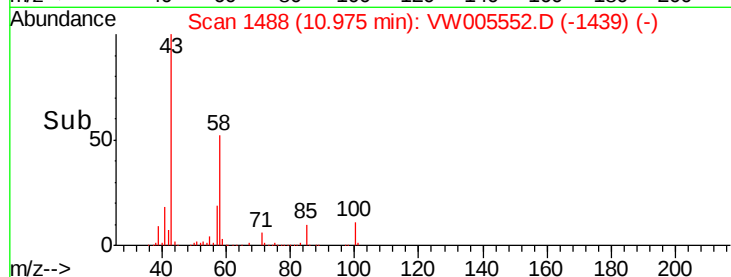
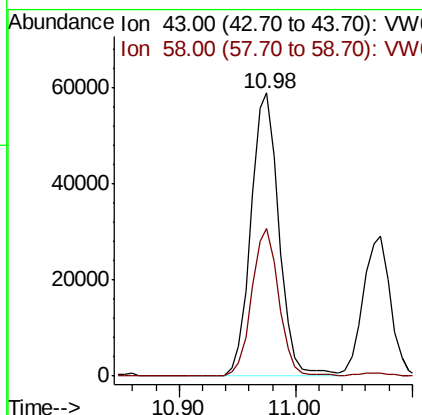
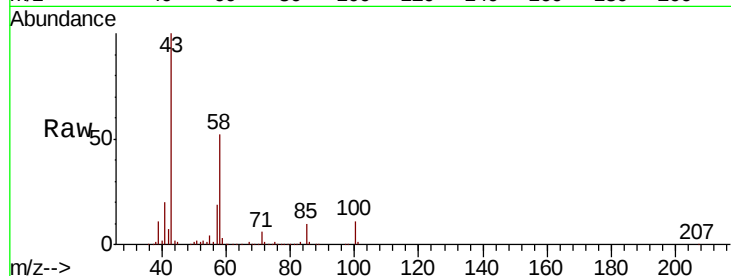




#59
2-Hexanone
Concen: 95.241 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

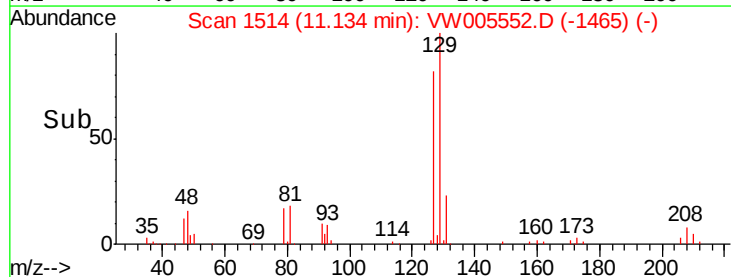
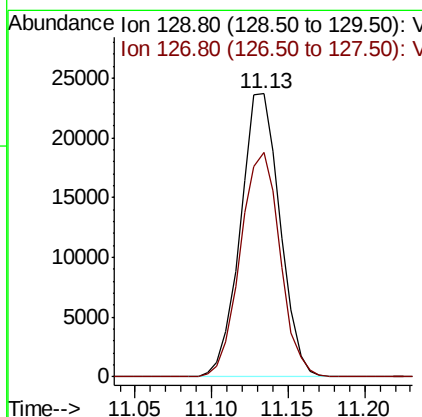
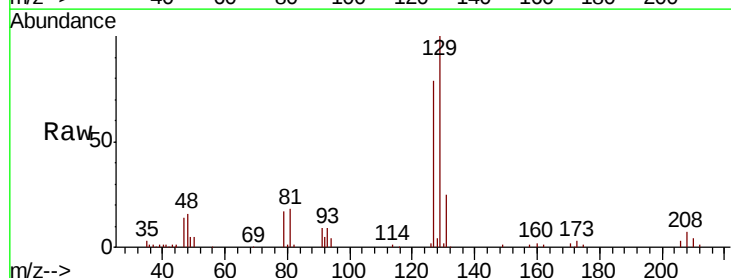
Instrument :
MSVOA_W
ClientSampleId :

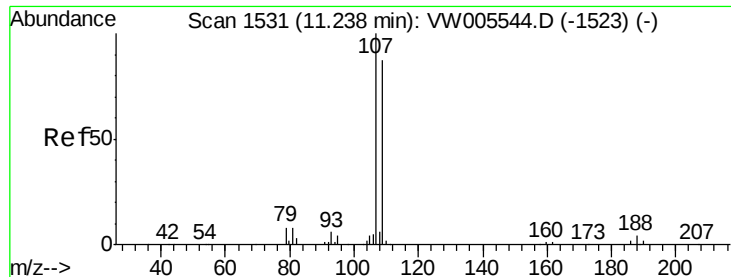
Tot Ion: 43 Resp: 99277
Ion Ratio Lower Upper
43 100
58 50.3 25.3 75.9



#60
Dibromochloromethane
Concen: 19.366 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

Tgt Ion: 129 Resp: 42595
Ion Ratio Lower Upper
129 100
127 79.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.525 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

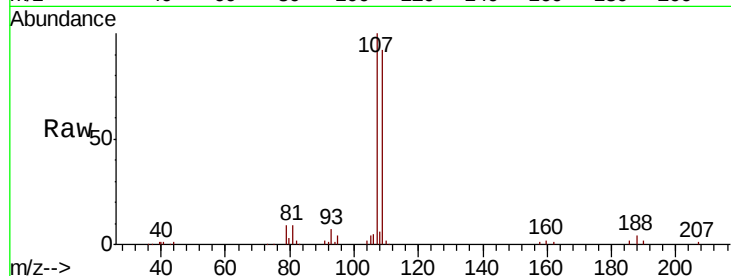
ClientSampleId :

Tot Ion:107 Resp: 33139

Ion Ratio Lower Upper

107 100

109 93.9 73.4 110.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

20000

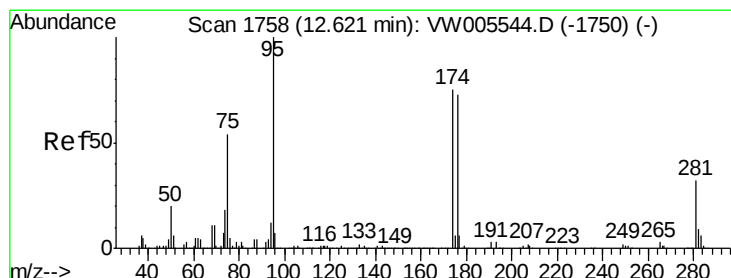
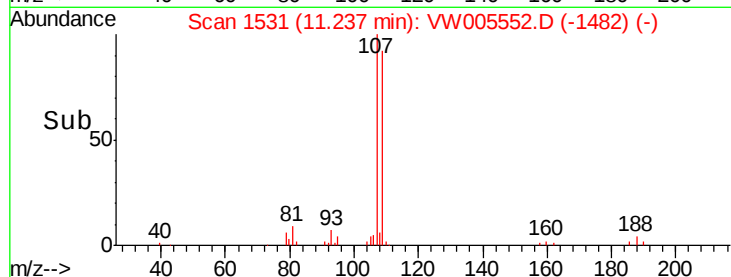
15000

10000

5000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 50.390 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

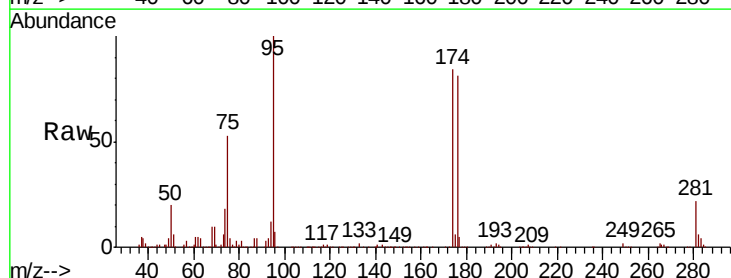
Tgt Ion: 95 Resp: 174634

Ion Ratio Lower Upper

95 100

174 81.2 0.0 163.8

176 79.0 0.0 158.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.63

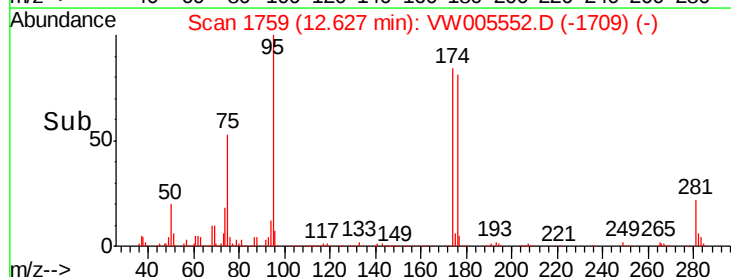
150000

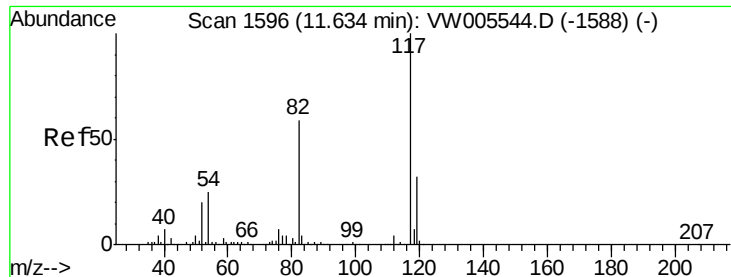
100000

50000

0

Time--> 12.60 12.70

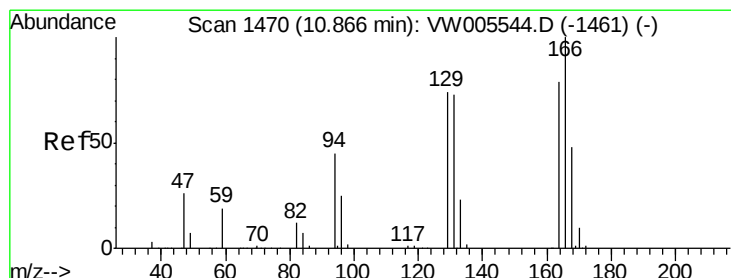
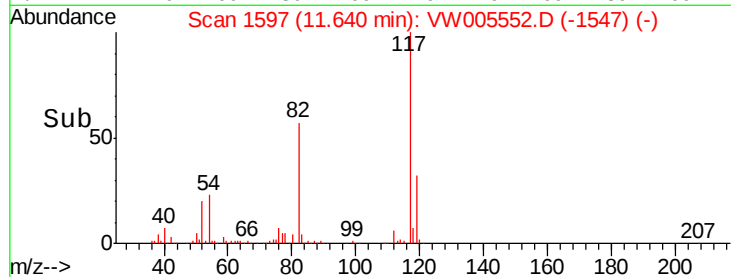
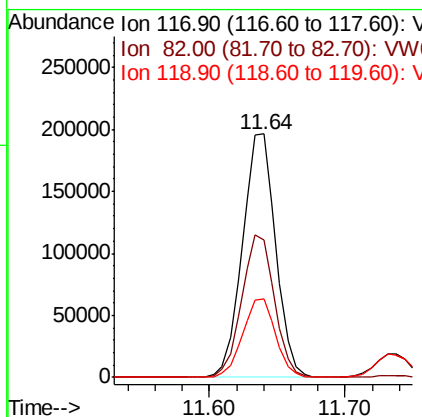
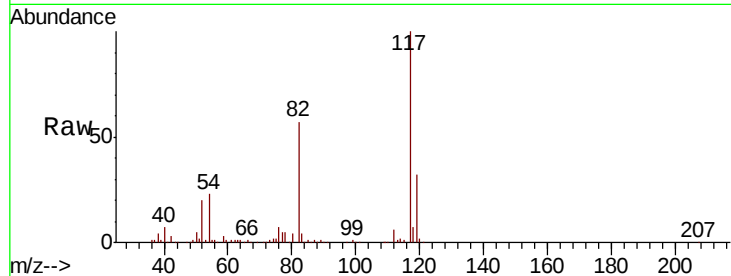




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

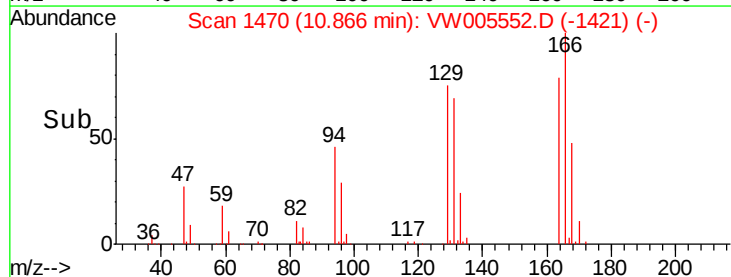
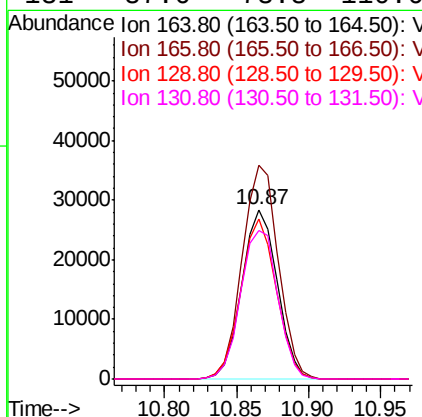
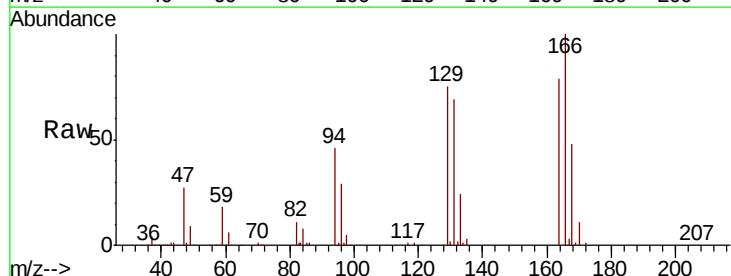
Instrument :
MSVOA_W
ClientSampled :

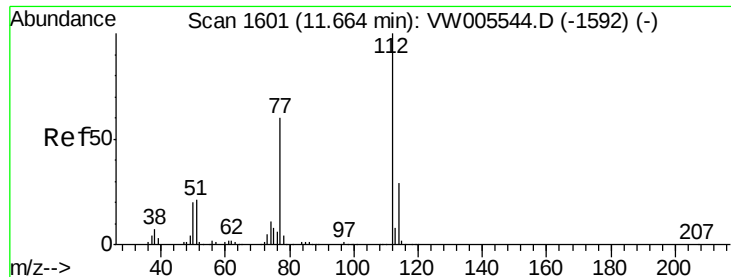
Tot Ion:117 Resp: 334876
Ion Ratio Lower Upper
117 100
82 56.5 46.9 70.3
119 32.2 25.7 38.5



#64
Tetrachloroethene
Concen: 20.350 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

Tgt Ion:164 Resp: 48368
Ion Ratio Lower Upper
164 100
166 126.2 101.1 151.7
129 94.8 74.4 111.6
131 87.6 73.8 110.6

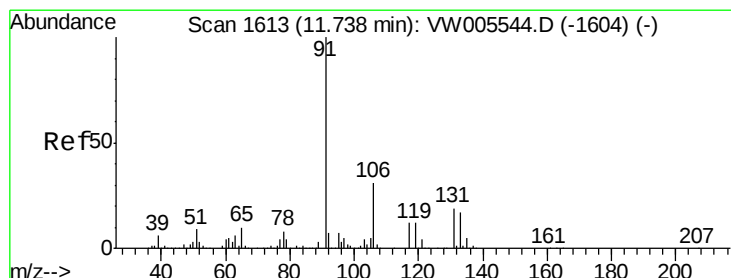
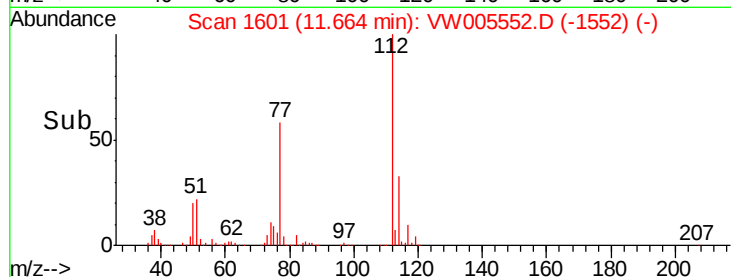
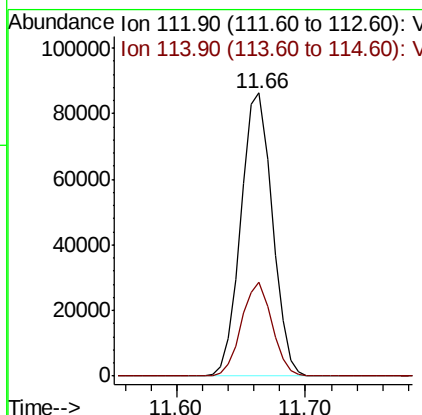
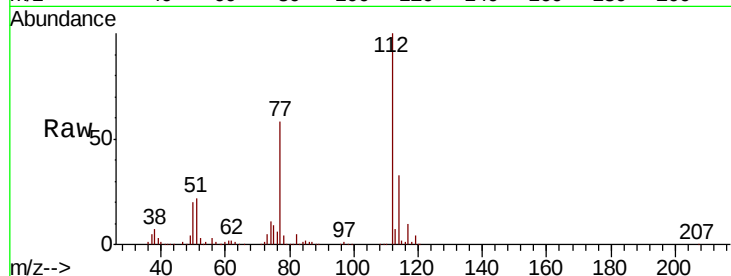




#65
Chlorobenzene
Concen: 20.489 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

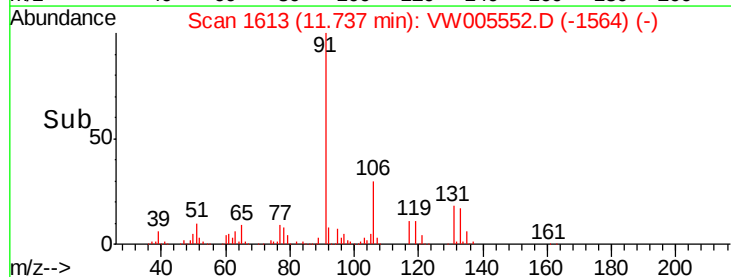
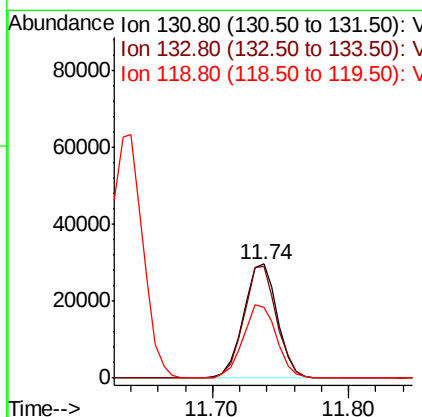
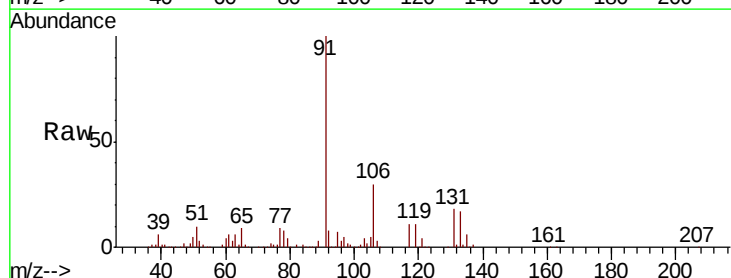
Instrument :
MSVOA_W
ClientSampleId :

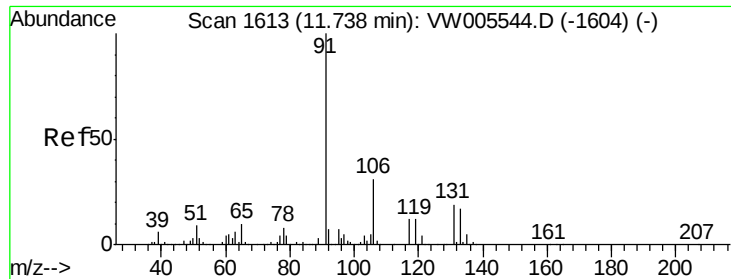
Tot Ion:112 Resp: 145653
Ion Ratio Lower Upper
112 100
114 33.3 22.9 34.3



#66
1,1,1,2-Tetrachloroethane
Concen: 20.048 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

Tgt Ion:131 Resp: 51295
Ion Ratio Lower Upper
131 100
133 95.5 47.2 141.6
119 64.1 31.1 93.2

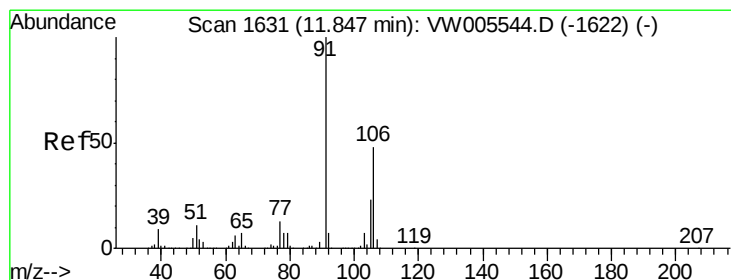
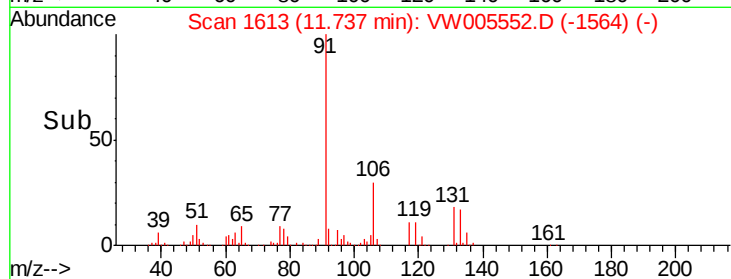
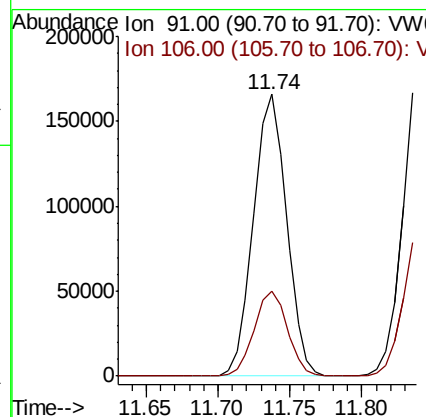
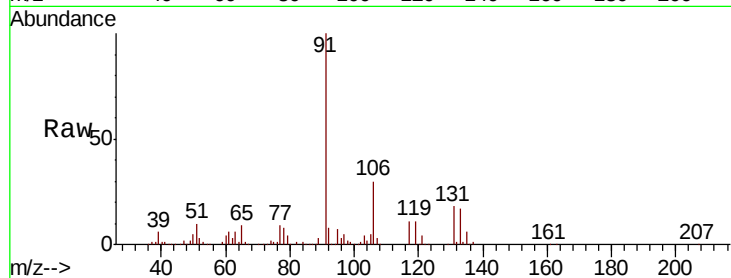




#67
Ethyl Benzene
Concen: 20.944 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

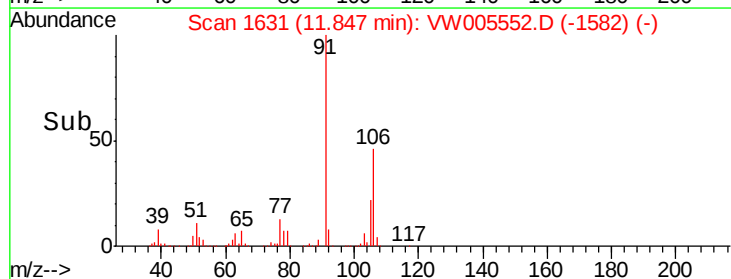
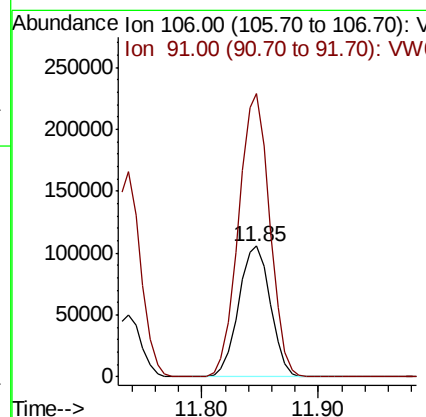
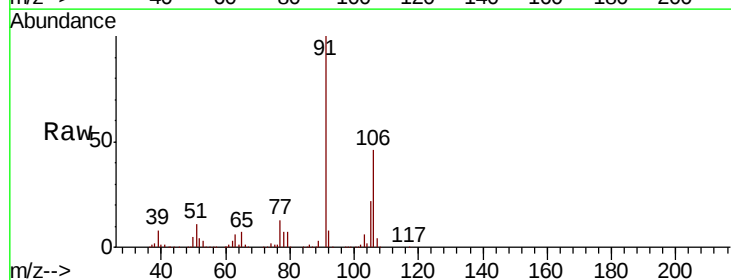
Instrument :
MSVOA_W
ClientSampled :

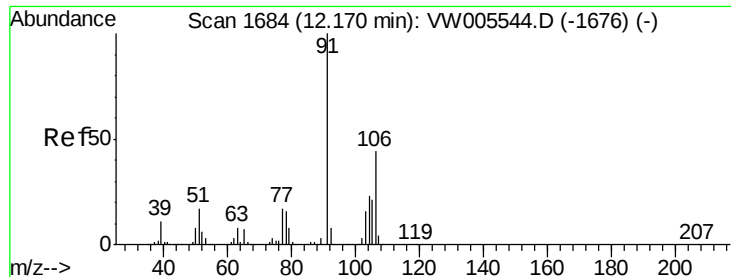
Tot Ion: 91 Resp: 264277
Ion Ratio Lower Upper
91 100
106 30.3 24.4 36.6



#68
m/p-Xylenes
Concen: 42.206 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

Tgt Ion:106 Resp: 201209
Ion Ratio Lower Upper
106 100
91 211.9 167.8 251.8

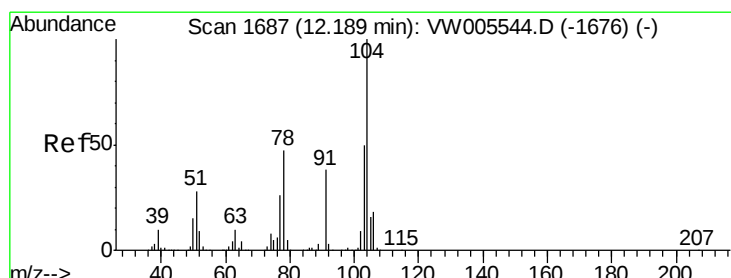
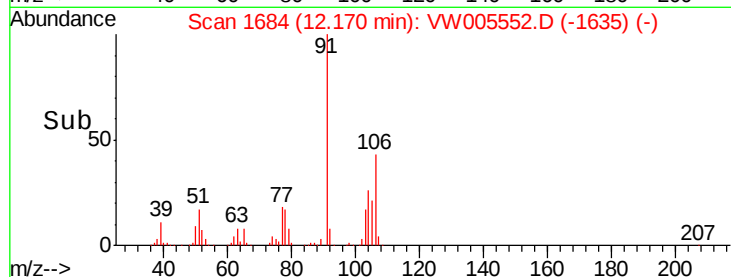
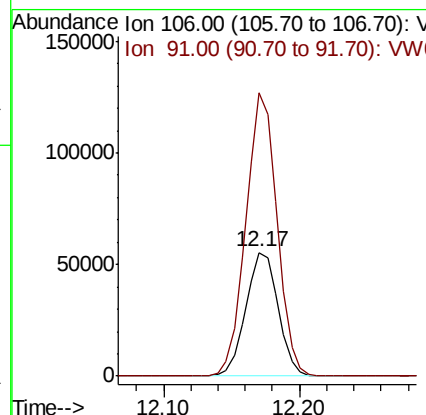
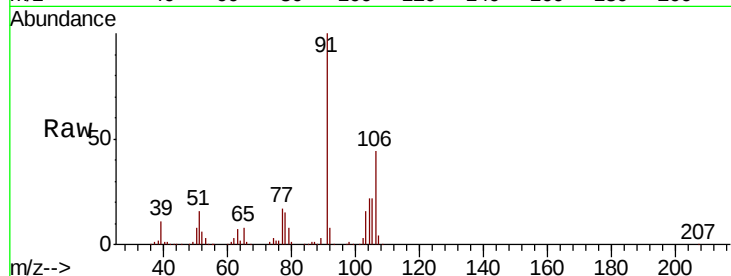




#69
o-Xylene
Concen: 20.598 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

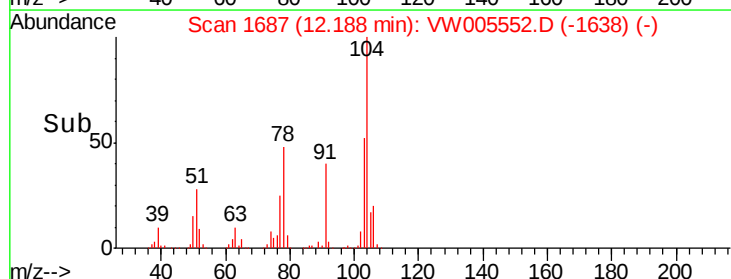
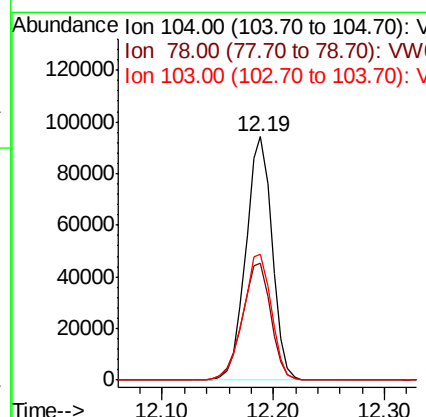
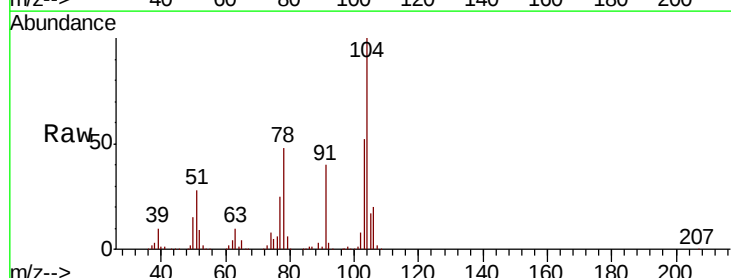
Instrument :
MSVOA_W
ClientSampled :

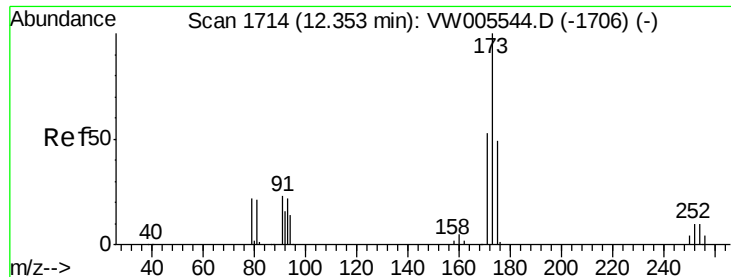
Tot Ion:106 Resp: 91965
Ion Ratio Lower Upper
106 100
91 221.3 111.0 333.0



#70
Styrene
Concen: 20.430 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

Tgt Ion:104 Resp: 153509
Ion Ratio Lower Upper
104 100
78 52.6 42.2 63.4
103 56.0 44.6 66.8





#71

Bromoform

Concen: 18.667 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

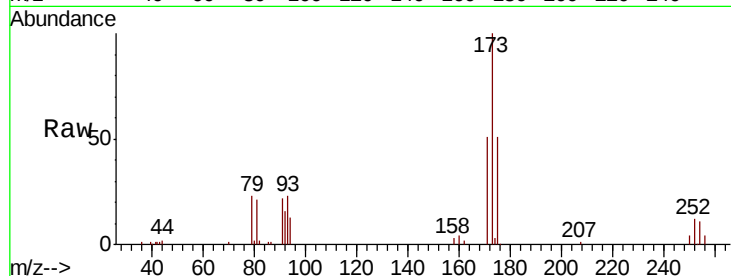
Tot Ion:173 Resp: 25352

Ion Ratio Lower Upper

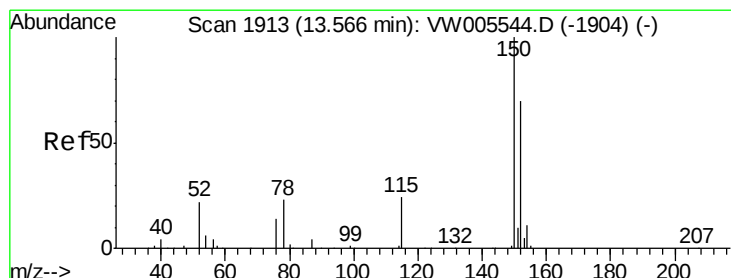
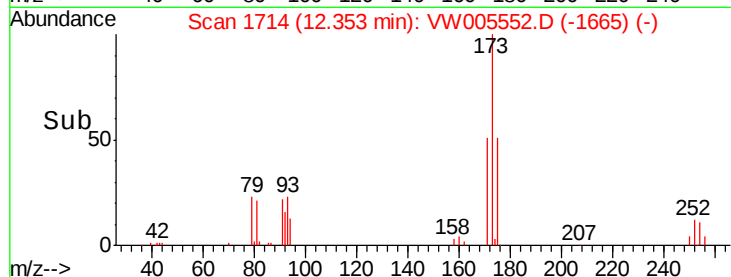
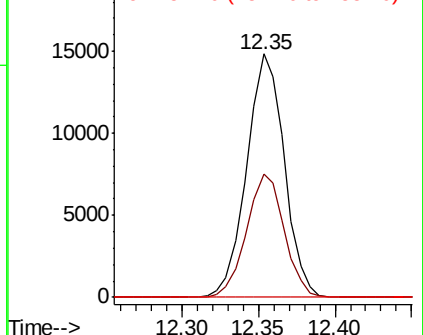
173 100

175 50.7 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: VW005552.D

Acq: 21 Sep 2018 11:48

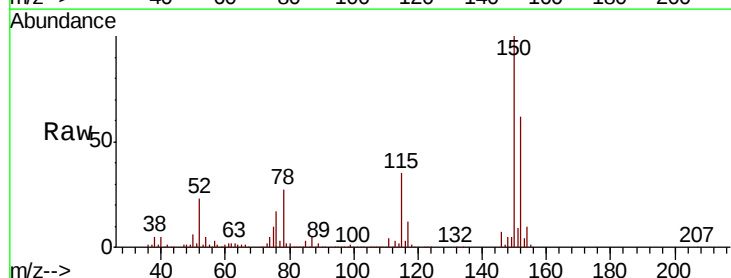
Tgt Ion:152 Resp: 179199

Ion Ratio Lower Upper

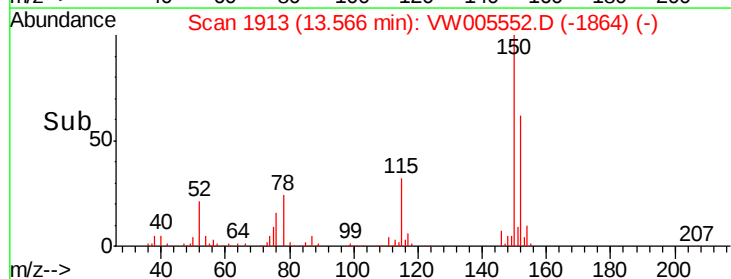
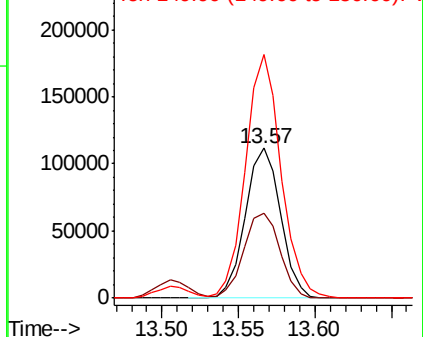
152 100

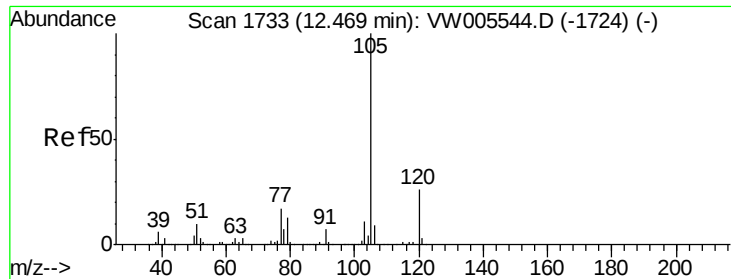
115 58.3 30.0 90.0

150 163.2 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

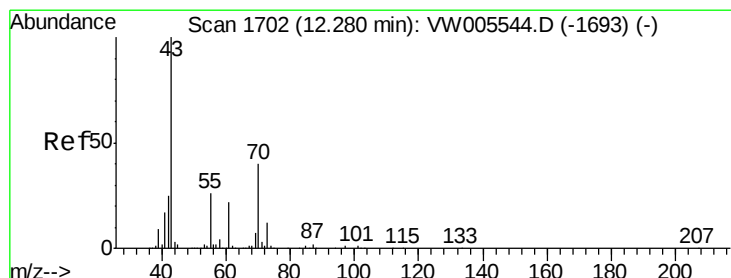
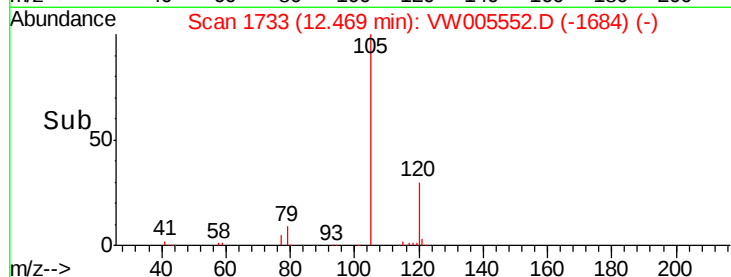
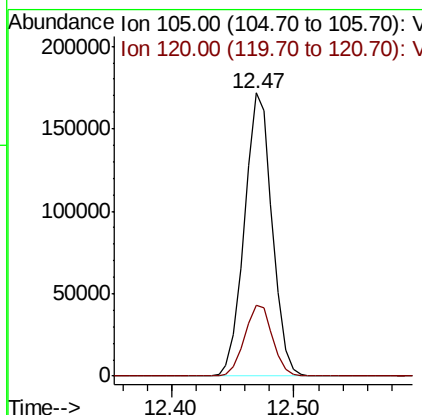
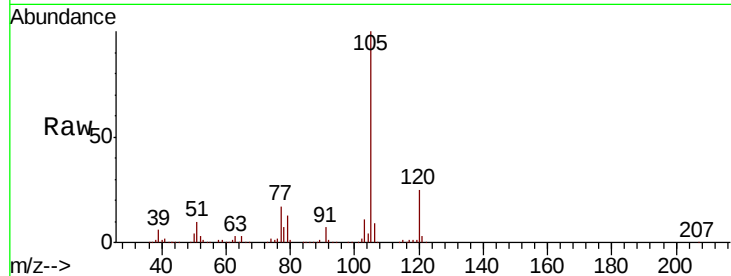




#73
Isopropylbenzene
Concen: 21.621 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

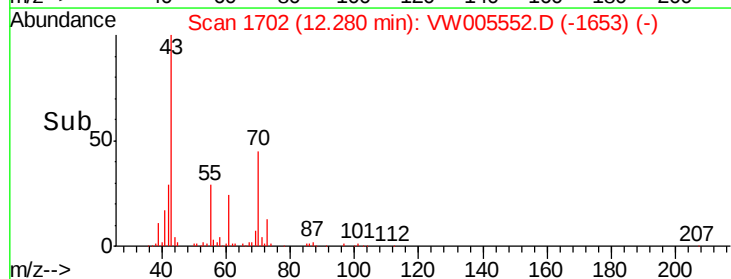
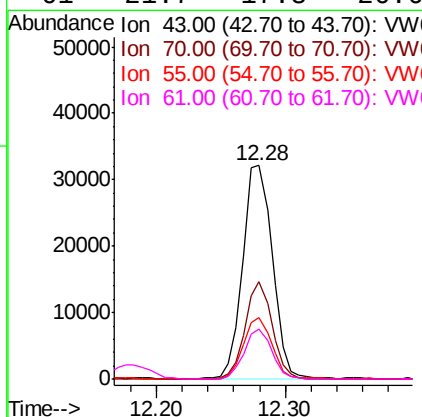
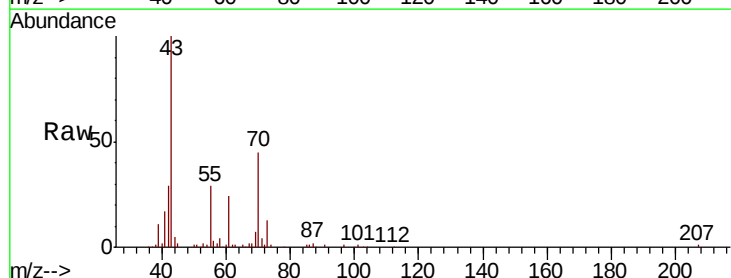
Instrument :
MSVOA_W
ClientSampleId :

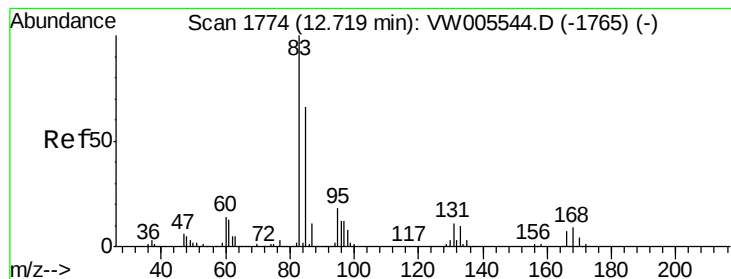
Tot Ion:105 Resp: 268685
Ion Ratio Lower Upper
105 100
120 25.5 12.9 38.7



#74
N-ethyl acetate
Concen: 18.252 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

Tgt Ion: 43 Resp: 51361
Ion Ratio Lower Upper
43 100
70 41.0 31.4 47.0
55 27.7 20.9 31.3
61 21.7 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.405 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

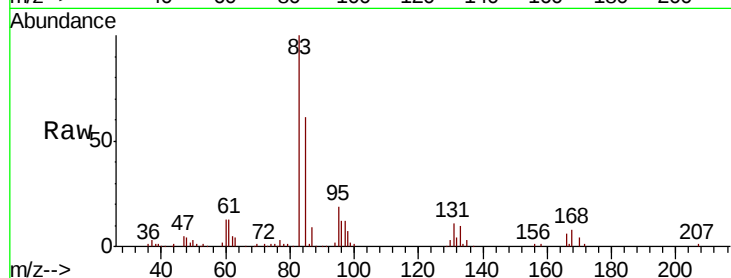
Tot Ion: 83 Resp: 40054

Ion Ratio Lower Upper

83 100

131 11.7 5.5 16.7

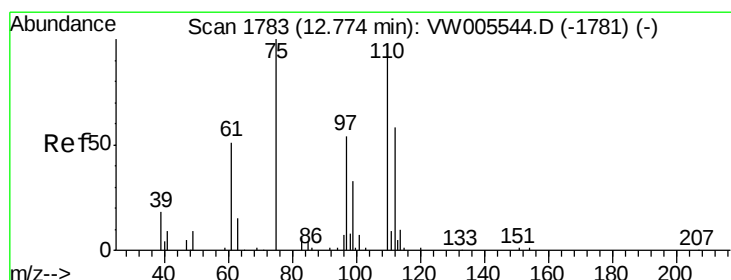
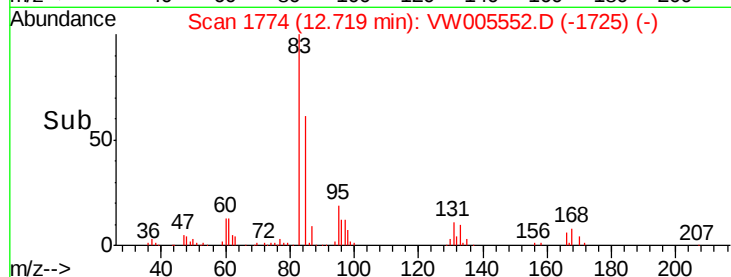
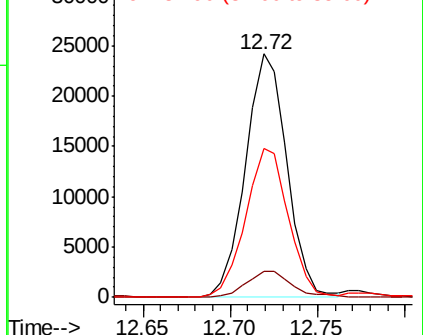
85 63.0 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 37.429 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005552.D

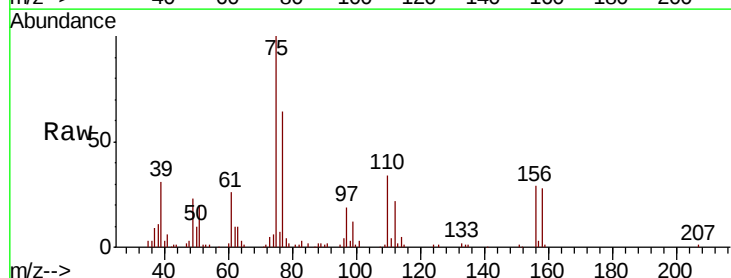
Acq: 21 Sep 2018 11:48

Tgt Ion: 75 Resp: 57175

Ion Ratio Lower Upper

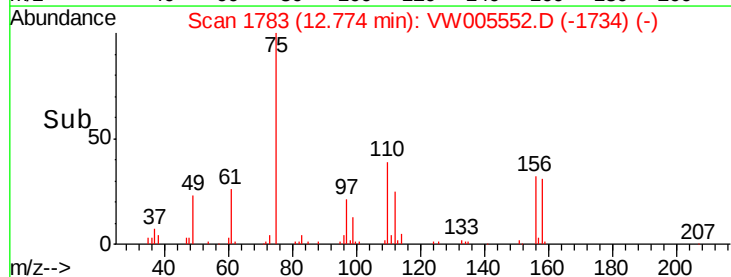
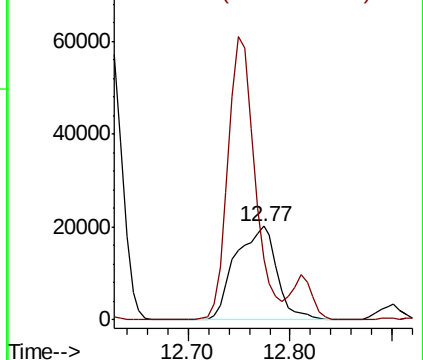
75 100

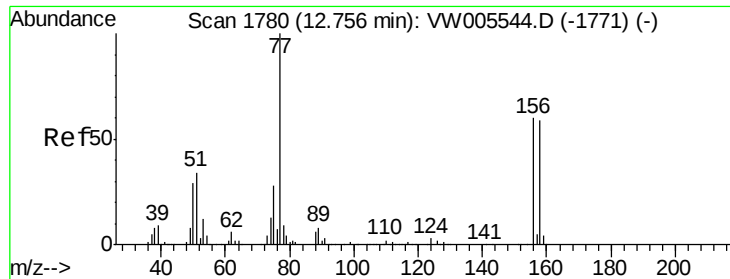
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.480 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

ClientSampled :

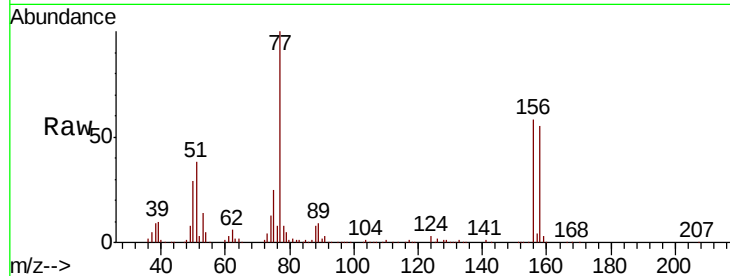
Tot Ion:156 Resp: 59650

Ion Ratio Lower Upper

156 100

77 187.7 94.7 284.1

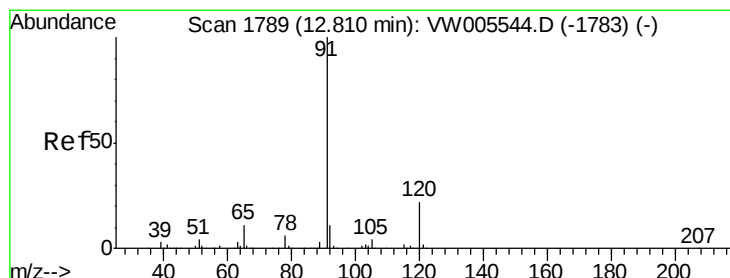
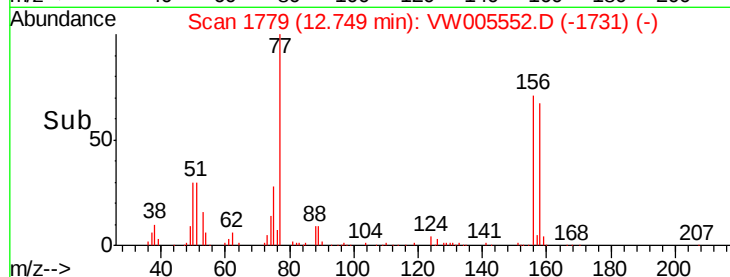
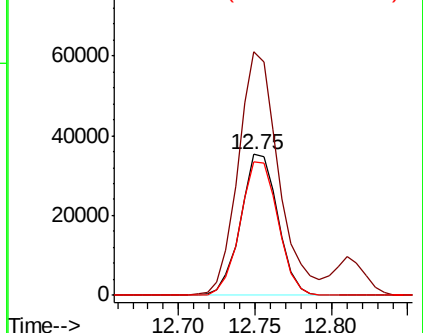
158 96.3 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.969 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005552.D

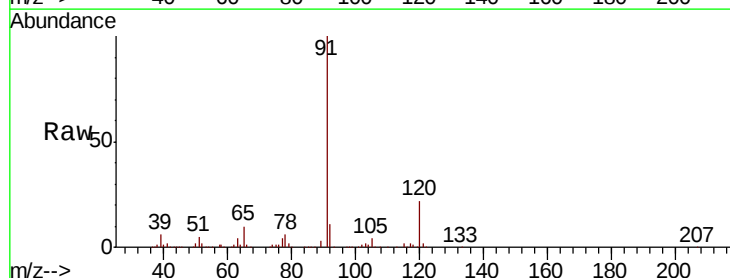
Acq: 21 Sep 2018 11:48

Tgt Ion: 91 Resp: 330523

Ion Ratio Lower Upper

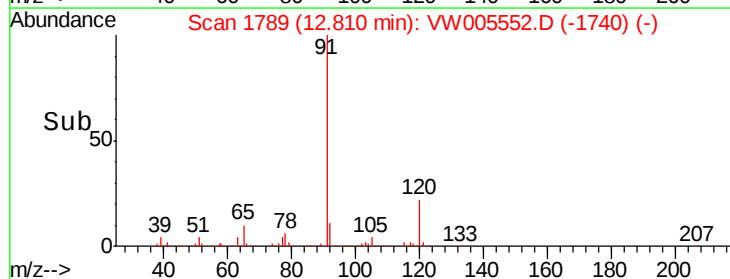
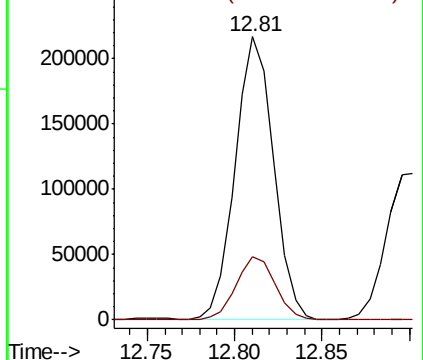
91 100

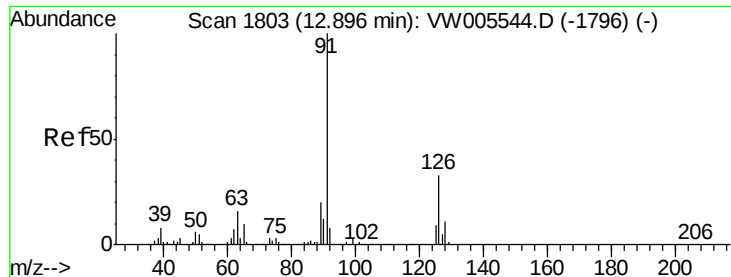
120 22.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.303 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

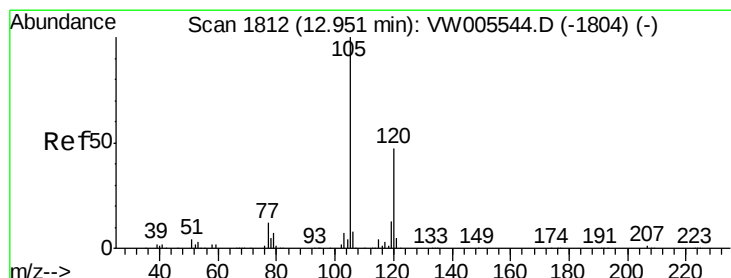
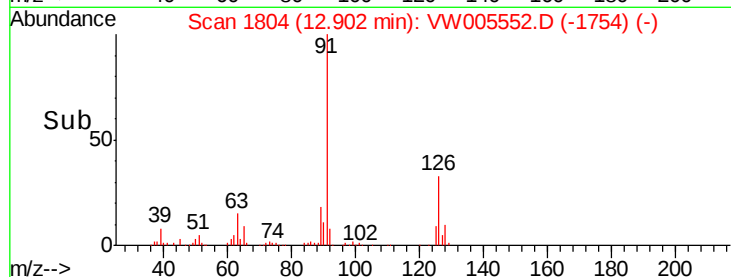
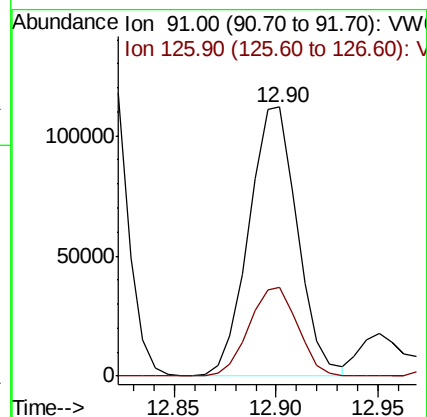
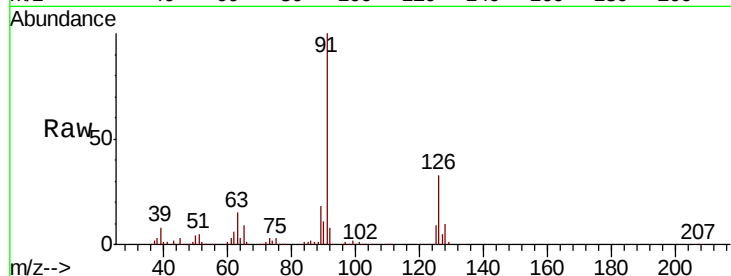
ClientSampleId :

Tot Ion: 91 Resp: 185429

Ion Ratio Lower Upper

91 100

126 33.1 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 21.757 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005552.D

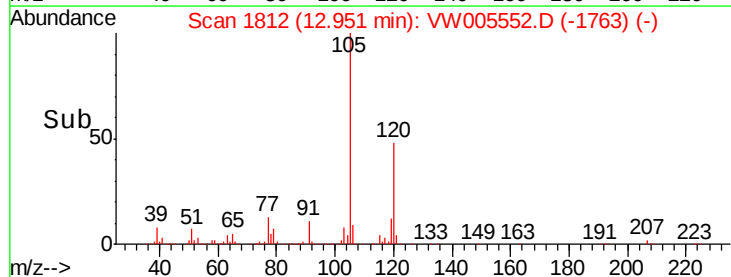
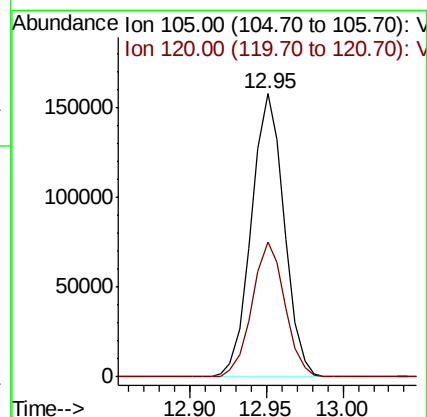
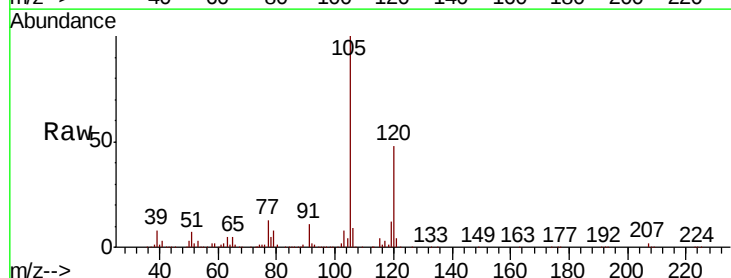
Acq: 21 Sep 2018 11:48

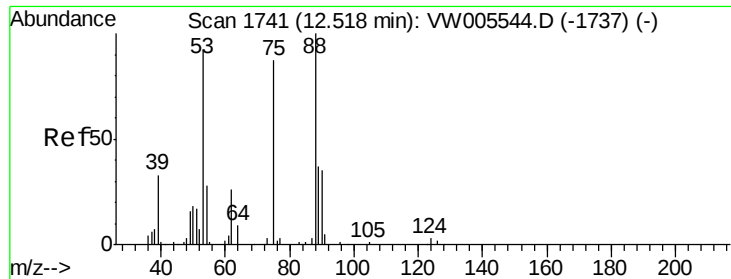
Tgt Ion:105 Resp: 235099

Ion Ratio Lower Upper

105 100

120 47.8 23.6 70.8

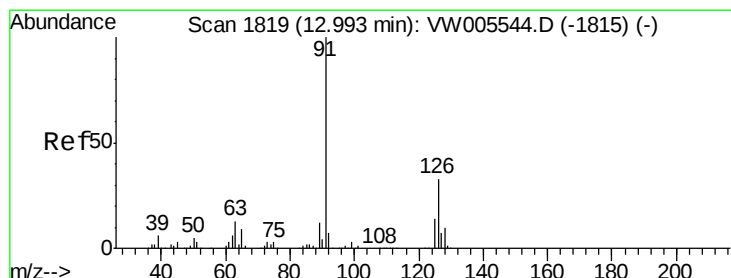
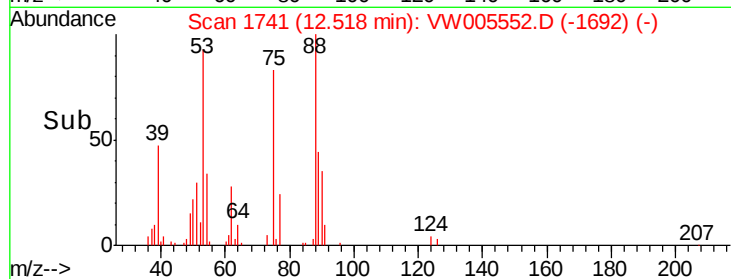
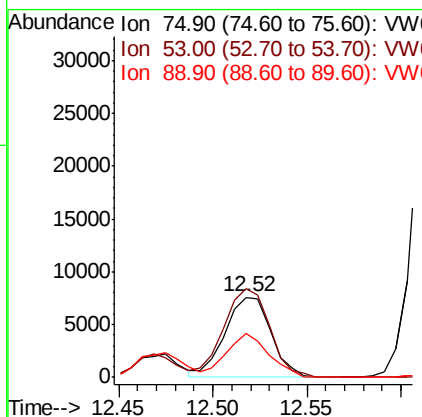
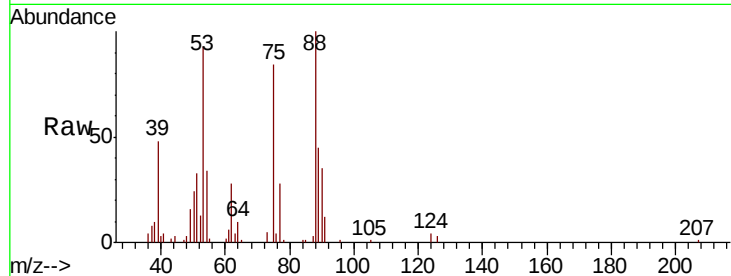




#81
trans-1,4-Dichloro-2-butene
Concen: 19.034 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

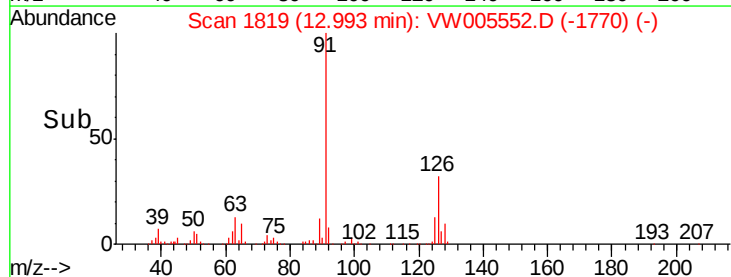
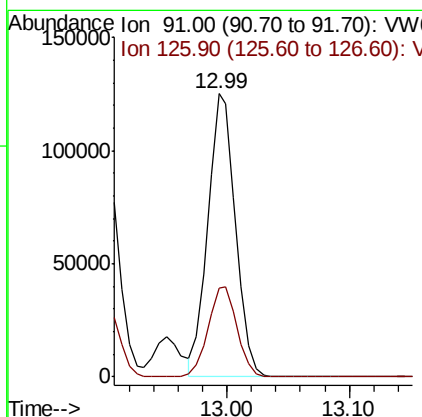
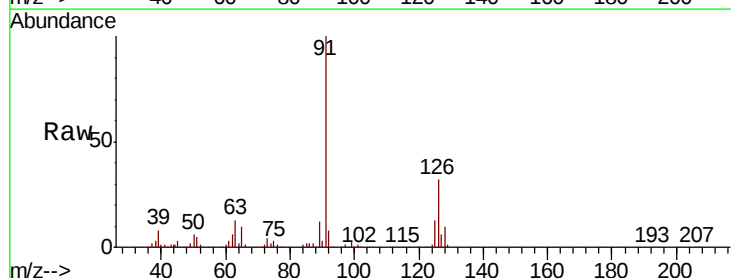
Instrument :
MSVOA_W
ClientSampleId :

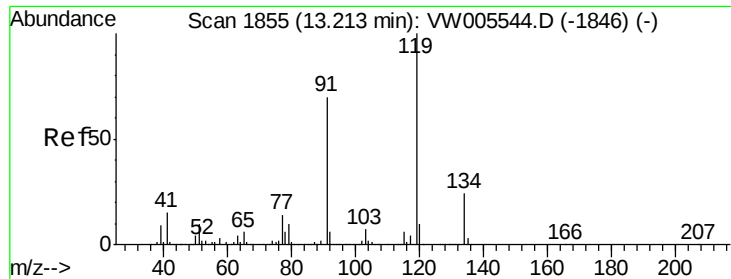
Tot Ion: 75 Resp: 12909
Ion Ratio Lower Upper
75 100
53 109.9 85.8 128.6
89 50.2 37.3 55.9



#82
4-Chlorotoluene
Concen: 21.336 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

Tgt Ion: 91 Resp: 196228
Ion Ratio Lower Upper
91 100
126 33.4 16.4 49.4

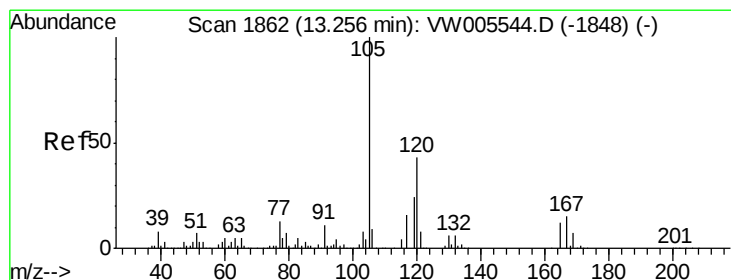
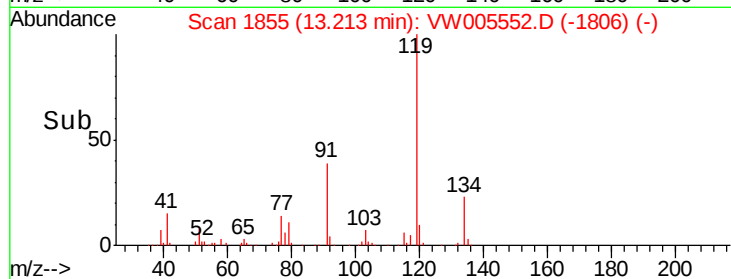
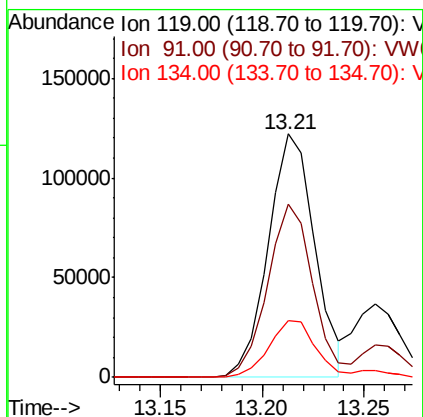
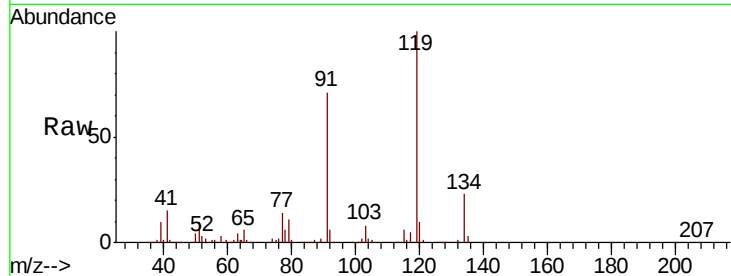




#83
tert-Butylbenzene
Concen: 21.429 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

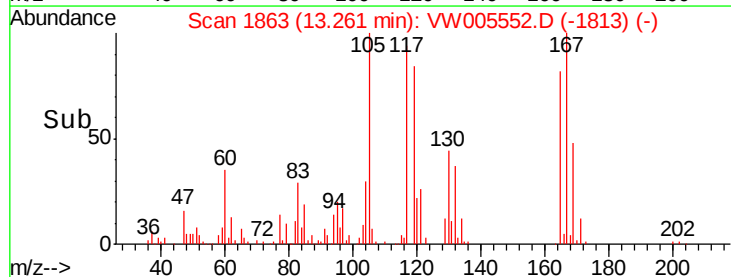
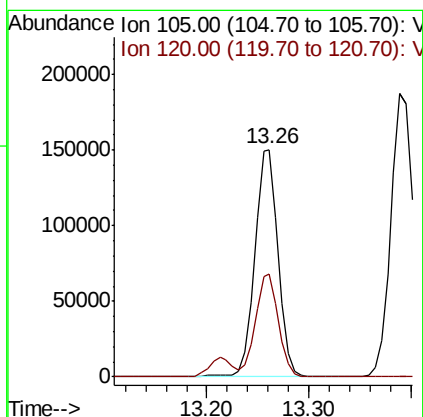
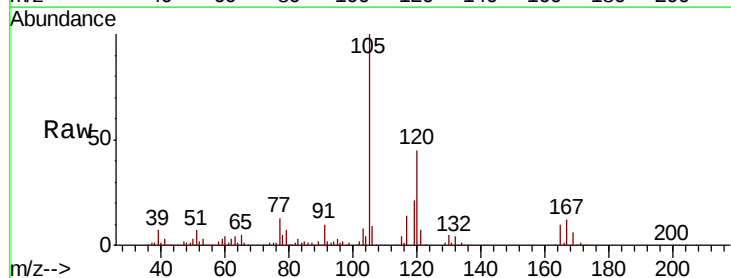
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:119 Resp: 194536
Ion Ratio Lower Upper
119 100
91 69.6 34.6 103.8
134 23.7 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 21.983 ug/l
RT: 13.26 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

Tgt Ion:105 Resp: 239715
Ion Ratio Lower Upper
105 100
120 44.5 21.5 64.5





#85

sec-Butylbenzene

Concen: 22.074 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

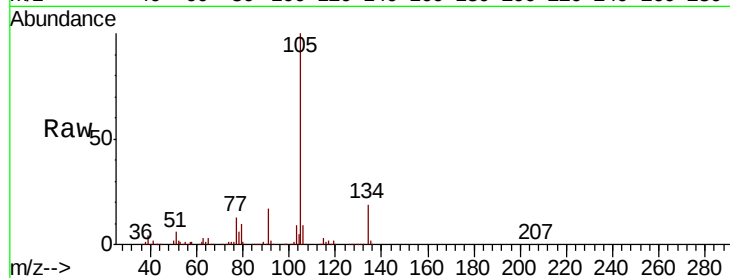
ClientSampleId :

Tot Ion:105 Resp: 290627

Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

200000

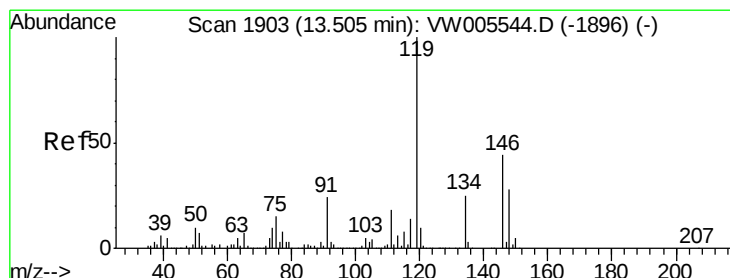
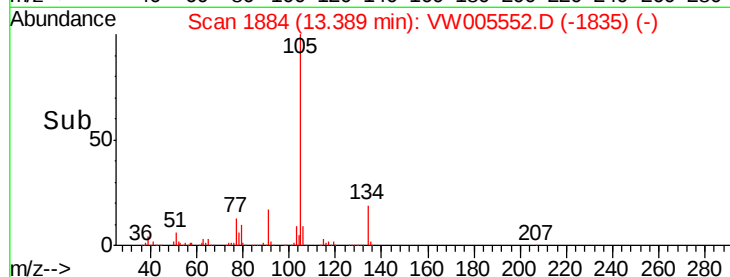
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.040 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

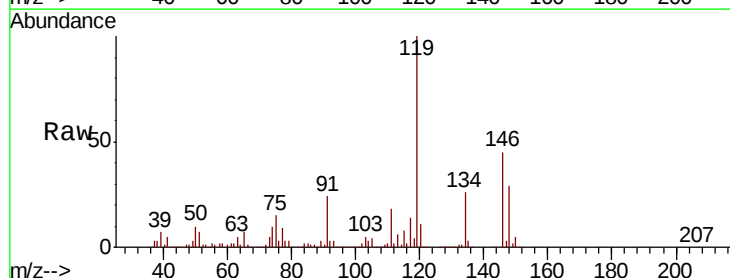
Tgt Ion:119 Resp: 260096

Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.1

91 24.5 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.51

200000

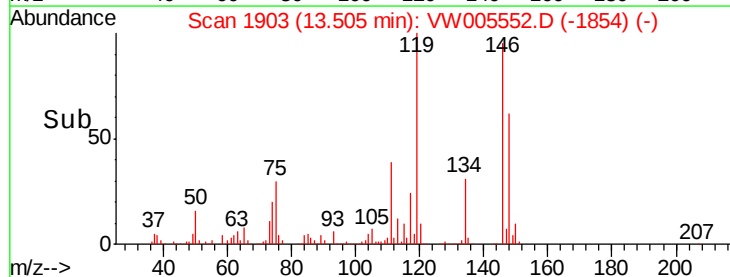
150000

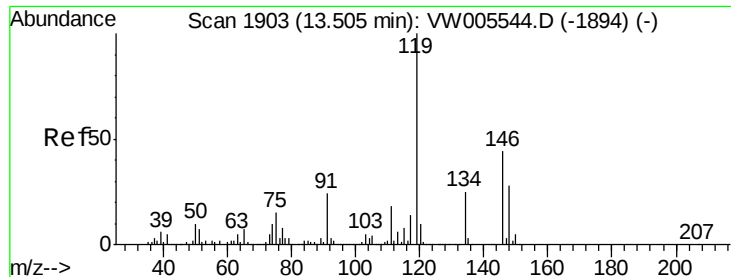
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.761 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005552.D

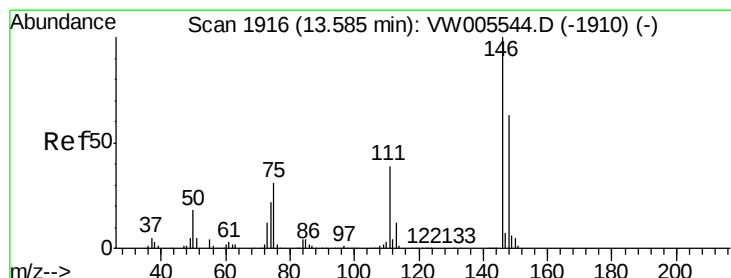
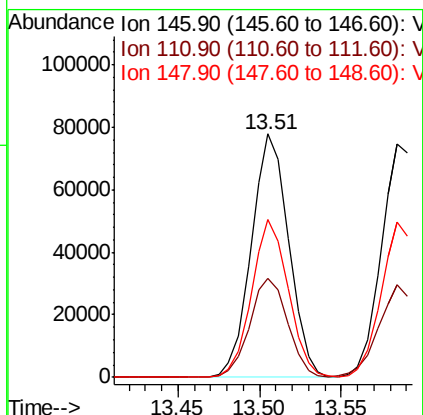
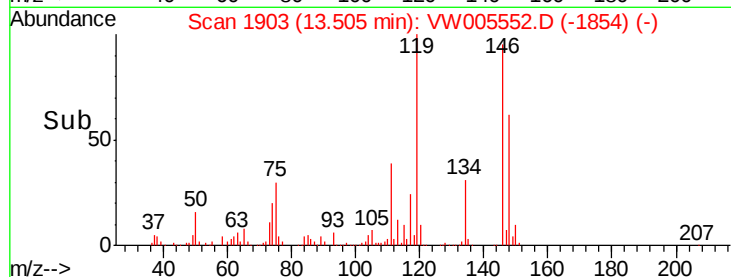
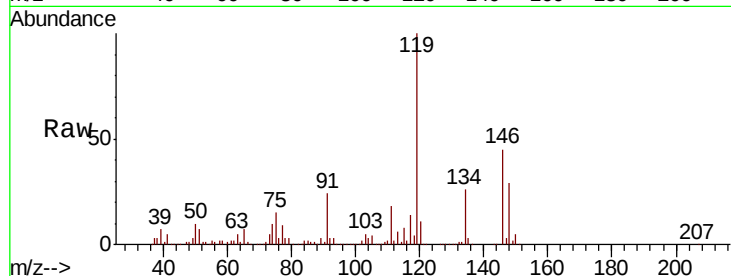
Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:	146	Resp:	123648
Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	60.9
148	63.9	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 20.690 ug/l

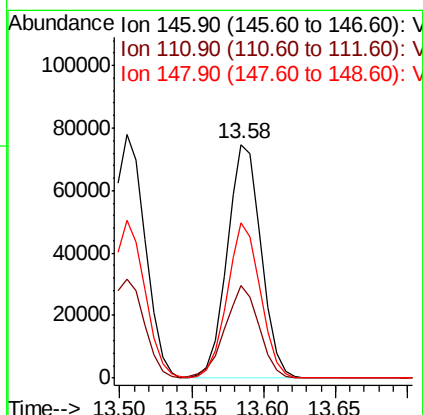
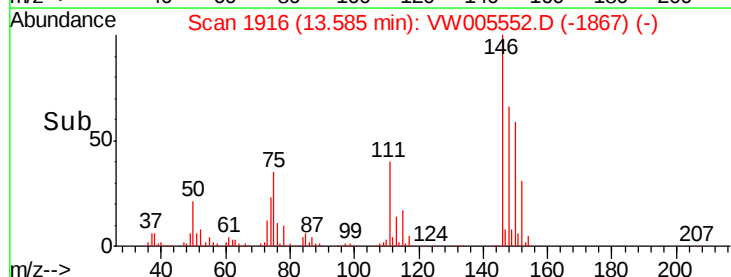
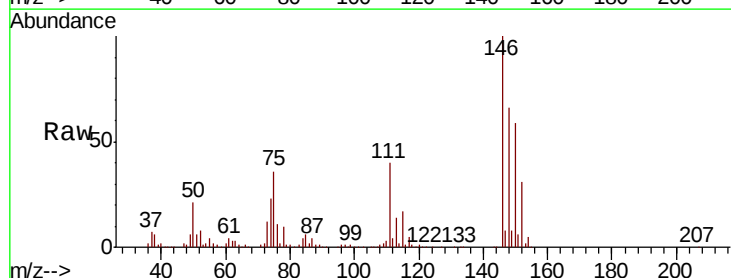
RT: 13.58 min Scan# 1916

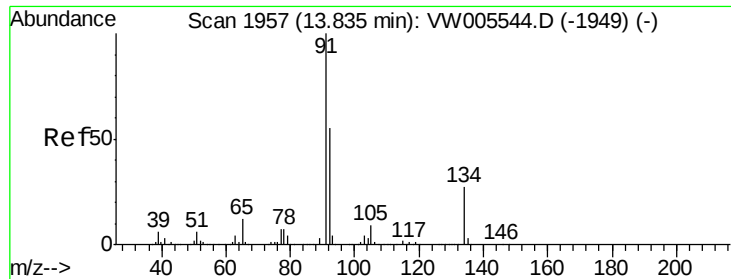
Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Tgt Ion:	146	Resp:	122555
Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.9	59.7
148	65.5	32.1	96.3





#89

n-Butylbenzene

Concen: 22.084 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

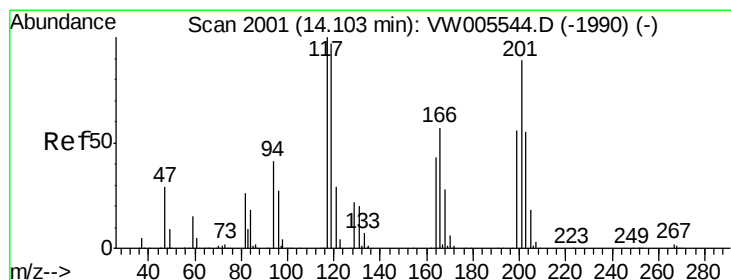
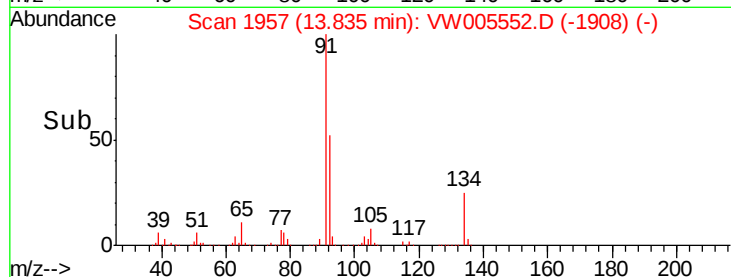
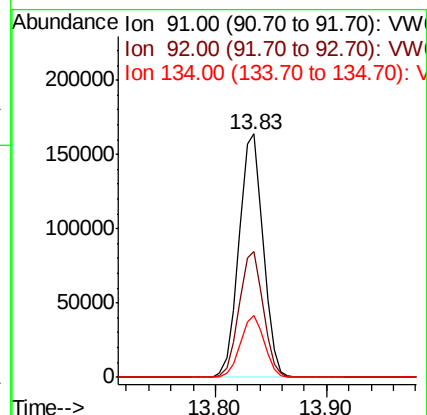
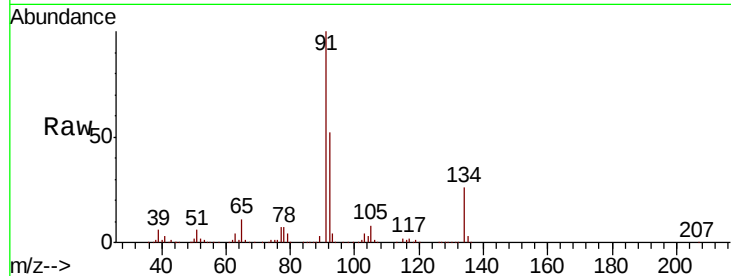
Tot Ion: 91 Resp: 245820

Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.5	79.5
134	25.1	12.9	38.7

91 100

92 51.7 26.5 79.5

134 25.1 12.9 38.7



#90

Hexachloroethane

Concen: 20.662 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW005552.D

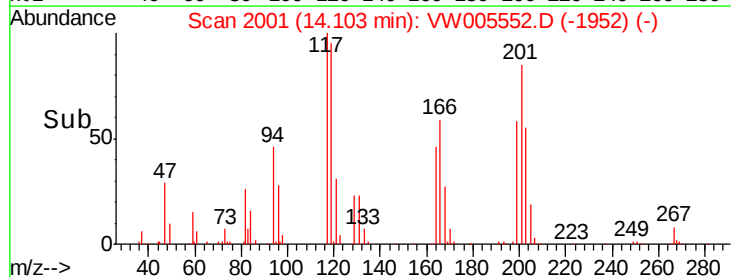
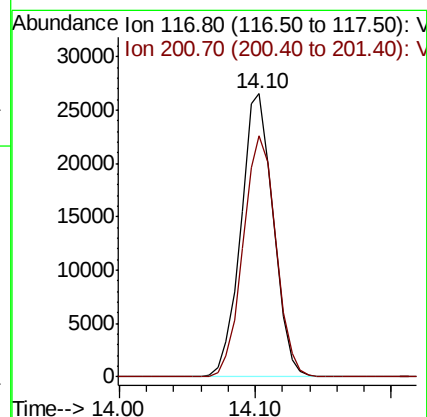
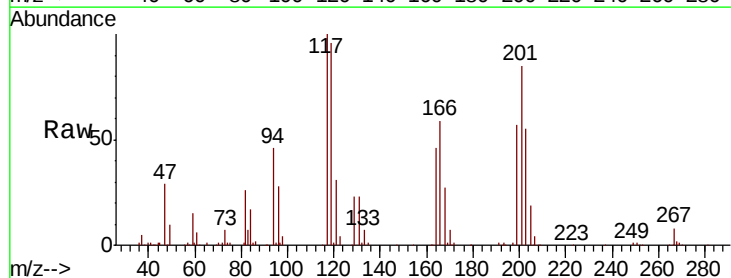
Acq: 21 Sep 2018 11:48

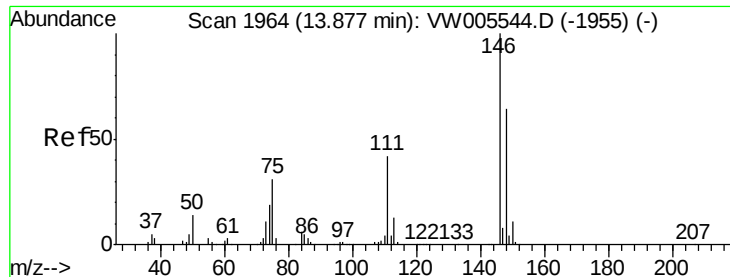
Tgt Ion: 117 Resp: 44195

Ion	Ratio	Lower	Upper
117	100		
201	86.1	42.8	128.3

117 100

201 86.1 42.8 128.3





#91

1,2-Dichlorobenzene

Concen: 20.310 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

Instrument :

MSVOA_W

ClientSampleId :

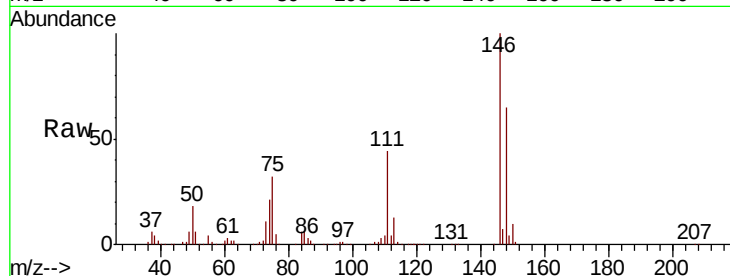
Tot Ion:146 Resp: 106781

Ion Ratio Lower Upper

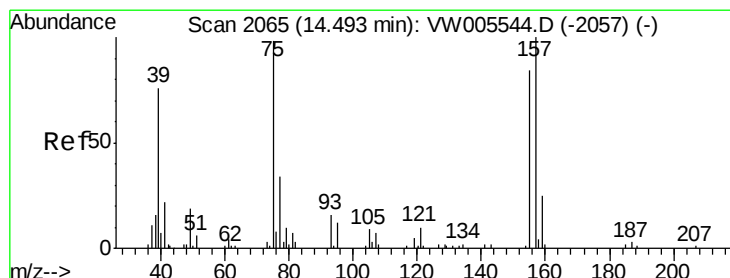
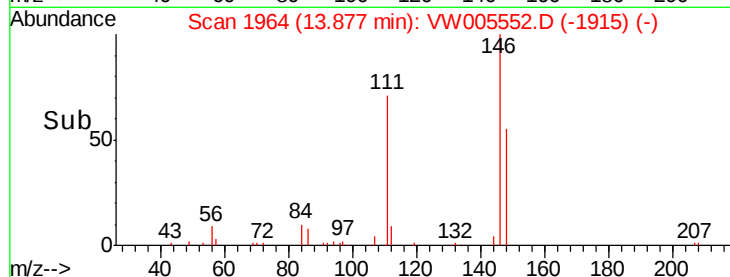
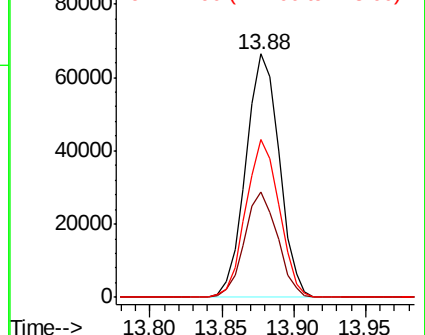
146 100

111 43.0 21.3 63.9

148 64.8 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: 18.829 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW005552.D

Acq: 21 Sep 2018 11:48

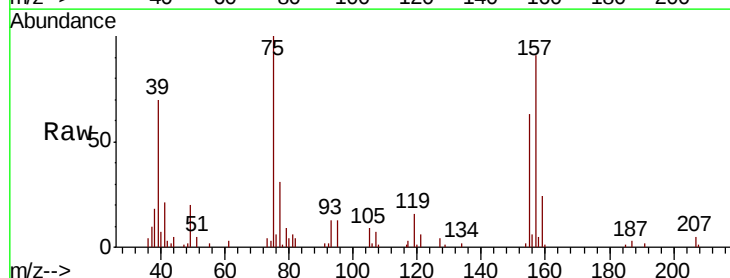
Tgt Ion: 75 Resp: 7405

Ion Ratio Lower Upper

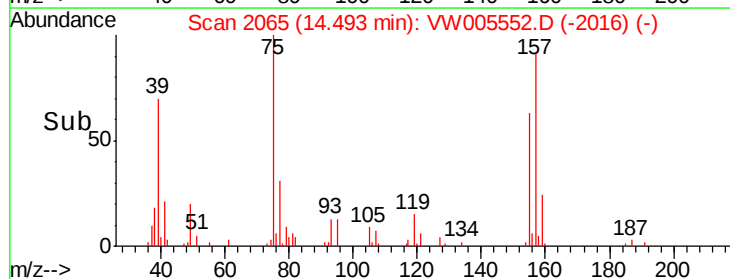
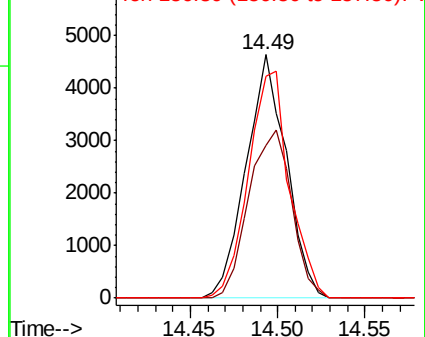
75 100

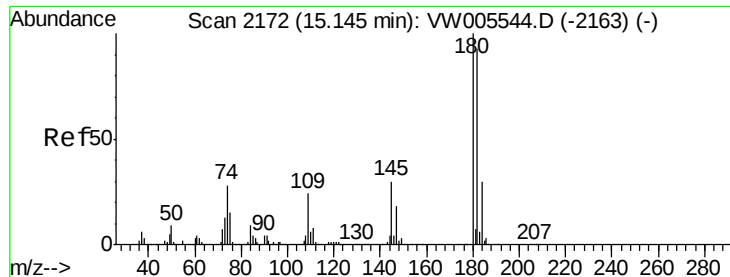
155 74.0 39.1 117.5

157 95.4 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

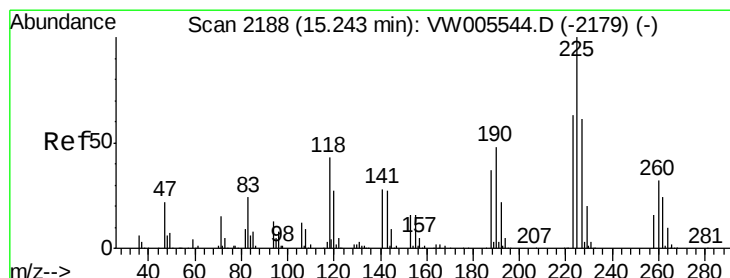
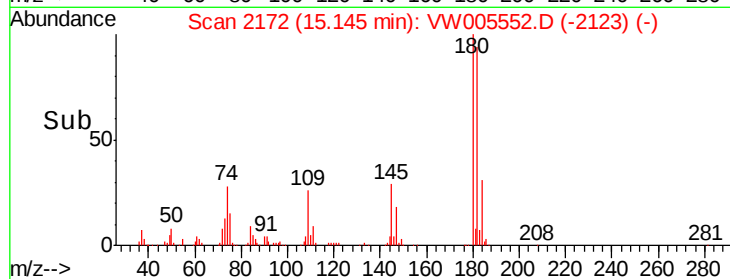
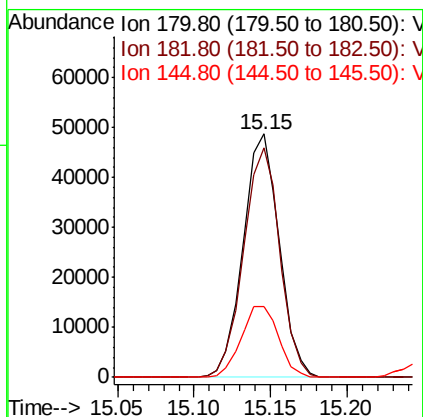
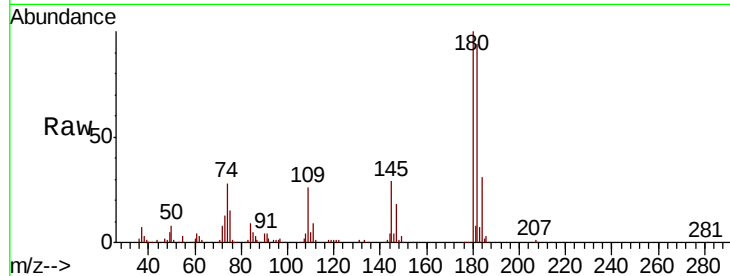




#93
 1,2,4-Trichlorobenzene
 Concen: 21.276 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW005552.D
 Acq: 21 Sep 2018 11:48

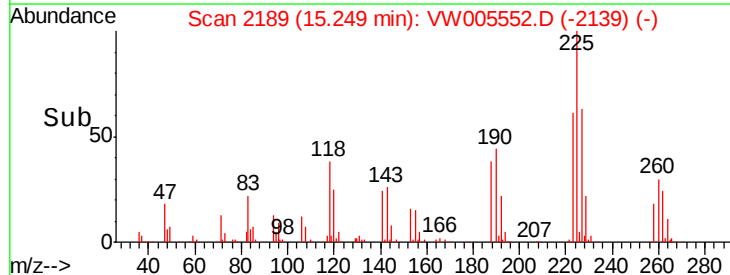
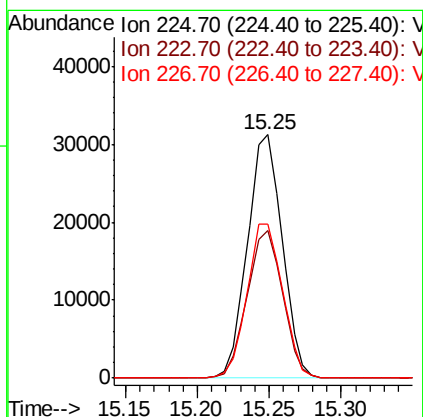
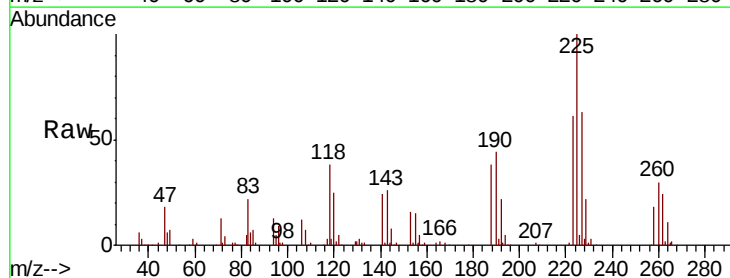
Instrument :
 MSVOA_W
 ClientSampleId :

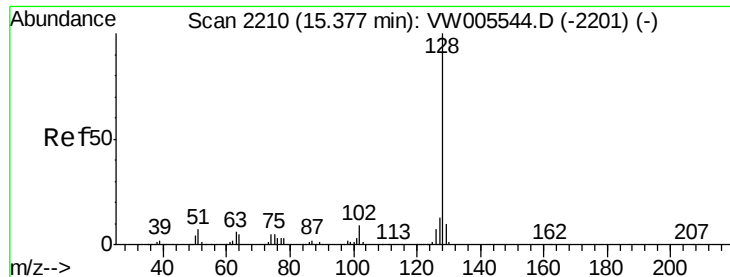
Tot Ion:180 Resp: 79795
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.7 143.1
 145 30.3 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 21.494 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW005552.D
 Acq: 21 Sep 2018 11:48

Tgt Ion:225 Resp: 52225
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.1 93.3
 227 64.5 31.8 95.3

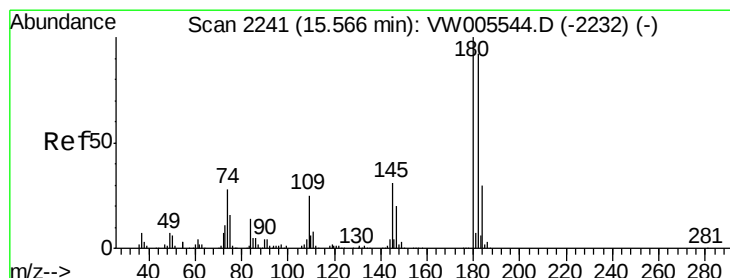
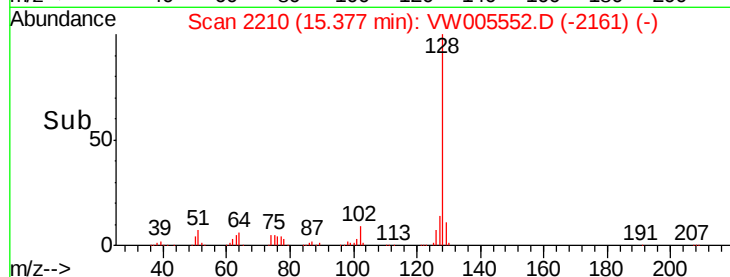
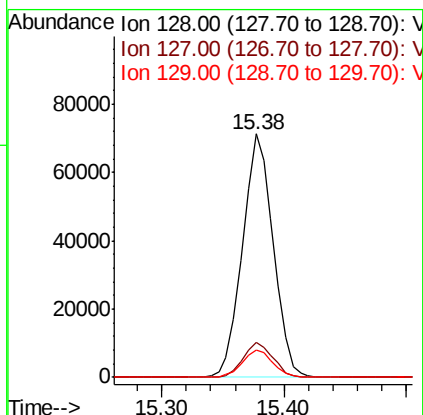
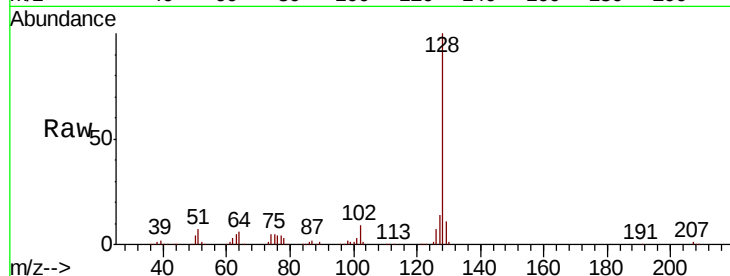




#95
Naphthalene
Concen: 19.635 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.9	16.3
129	11.3	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.575 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005552.D
Acq: 21 Sep 2018 11:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.3	141.9
145	32.3	16.0	47.9

