

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072318\
 Data File : VW004151.D
 Acq On : 23 Jul 2018 21:15
 Operator : SY/AP
 Sample : VSTDCCC050EC
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 24 04:47:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	253202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	399428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	374591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	192567	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	158454	55.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.98%	
35) Dibromofluoromethane	7.88	113	138272	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
50) Toluene-d8	10.33	98	543158	54.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.24%	
62) 4-Bromofluorobenzene	12.62	95	194684	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	52564	36.967	ug/l	96
3) Chloromethane	2.20	50	89065	47.588	ug/l	99
4) Vinyl Chloride	2.36	62	123283	47.889	ug/l	99
5) Bromomethane	2.77	94	74564	46.342	ug/l	100
6) Chloroethane	2.92	64	66610	45.541	ug/l	99
7) Trichlorofluoromethane	3.25	101	49037	45.373	ug/l	98
8) Diethyl Ether	3.67	74	67916	54.138	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	122597	49.159	ug/l	99
10) Methyl Iodide	4.26	142	186970	52.200	ug/l	99
11) Tert butyl alcohol	5.19	59	52450	268.447	ug/l	98
12) 1,1-Dichloroethene	4.03	96	125797	51.122	ug/l	96
13) Acrolein	3.89	56	57605	286.942	ug/l	97
14) Allyl chloride	4.65	41	217189	53.472	ug/l	98
15) Acrylonitrile	5.37	53	185457	288.500	ug/l	100
16) Acetone	4.12	43	151918	223.370	ug/l	97
17) Carbon Disulfide	4.37	76	385583	50.201	ug/l	100
18) Methyl Acetate	4.67	43	102245	62.629	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	274636	58.234	ug/l	100
20) Methylene Chloride	4.91	84	142468	46.970	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	140487	52.083	ug/l	98
22) Diisopropyl ether	6.31	45	466214	56.794	ug/l	100
23) Vinyl Acetate	6.26	43	1452997	279.355	ug/l	99
24) 1,1-Dichloroethane	6.21	63	269760	53.857	ug/l	99
25) 2-Butanone	7.18	43	251608	274.909	ug/l	100
26) 2,2-Dichloropropane	7.17	77	128800	44.797	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	153632	52.689	ug/l	99
28) Bromochloromethane	7.51	49	105994	51.709	ug/l	98
29) Tetrahydrofuran	7.53	42	168512	295.582	ug/l	99
30) Chloroform	7.68	83	266386	53.468	ug/l	100
31) Cyclohexane	7.95	56	224229	47.757	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	199343	51.238	ug/l	100
36) 1,1-Dichloropropene	8.08	75	207890	50.587	ug/l	100
37) Ethyl Acetate	7.26	43	114710	57.871	ug/l	100
38) Carbon Tetrachloride	8.07	117	193153	50.302	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	243008	50.492	ug/l	98
40) Benzene	8.32	78	603054	52.893	ug/l	99
41) Methacrylonitrile	7.49	41	66695	60.725	ug/l	89
42) 1,2-Dichloroethane	8.40	62	186754	53.691	ug/l	99
43) Isopropyl Acetate	8.43	43	208885	56.344	ug/l	100
44) Trichloroethene	9.09	130	151137	51.139	ug/l	95
45) 1,2-Dichloropropane	9.37	63	156571	53.805	ug/l	100
46) Dibromomethane	9.46	93	82804	54.837	ug/l	99
47) Bromodichloromethane	9.65	83	198480	53.319	ug/l	99
48) Methyl methacrylate	9.44	41	104140	58.083	ug/l	98
49) 1,4-Dioxane	9.46	88	28415	1224.202	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	576881	292.070	ug/l	100
52) Toluene	10.39	92	370793	52.593	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	203075	52.169	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	230917	51.856	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	115401	54.340	ug/l	99
56) Ethyl methacrylate	10.65	69	159399	52.328	ug/l	99
57) 1,3-Dichloropropane	10.93	76	205621	55.728	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	390458	309.922	ug/l	99
59) 2-Hexanone	10.98	43	402486	289.120	ug/l	99
60) Dibromochloromethane	11.13	129	135560	54.812	ug/l	99
61) 1,2-Dibromoethane	11.24	107	112678	55.761	ug/l	100
64) Tetrachloroethene	10.87	164	143861	55.972	ug/l	98
65) Chlorobenzene	11.66	112	405909	50.960	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	143090	51.695	ug/l	99
67) Ethyl Benzene	11.74	91	720382	51.484	ug/l	98
68) m/p-Xylenes	11.84	106	547997	102.469	ug/l	100
69) o-Xylene	12.17	106	256158	51.636	ug/l	98
70) Styrene	12.19	104	443301	53.500	ug/l	100
71) Bromoform	12.35	173	82934	53.068	ug/l #	100
73) Isopropylbenzene	12.47	105	699713	51.422	ug/l	100
74) N-amyl acetate	12.28	43	197237	55.630	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	144097	54.758	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	189126	98.928	ug/l #	100
77) Bromobenzene	12.75	156	166392	51.103	ug/l	98
78) n-propylbenzene	12.81	91	865846	51.867	ug/l	100
79) 2-Chlorotoluene	12.90	91	492026	52.258	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	598835	52.295	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	42762	49.477	ug/l	99
82) 4-Chlorotoluene	12.99	91	520454	51.509	ug/l	99
83) tert-Butylbenzene	13.21	119	501586	52.173	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	612106	51.955	ug/l	99
85) sec-Butylbenzene	13.39	105	734966	51.523	ug/l	100
86) p-Isopropyltoluene	13.51	119	645073	51.555	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	329637	50.689	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	328185	50.320	ug/l	99
89) n-Butylbenzene	13.83	91	621940	50.564	ug/l	99
90) Hexachloroethane	14.10	117	116838	50.657	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	301551	52.046	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	25647	54.808	ug/l	98

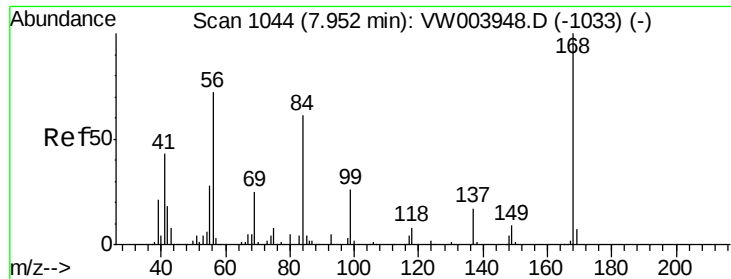
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	205467	50.492	ug/l	99
94) Hexachlorobutadiene	15.24	225	113155	48.425	ug/l	98
95) Naphthalene	15.38	128	411716	54.817	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	184389	51.179	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

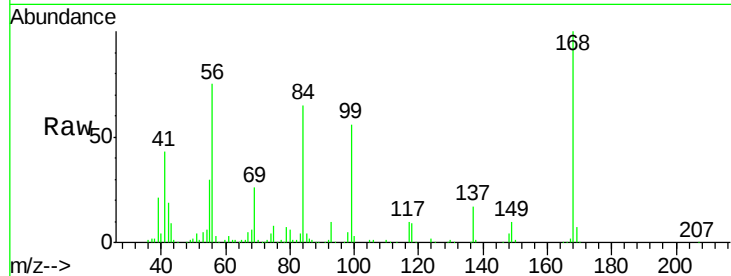
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 253202

Ion Ratio Lower Upper

168 100

99 56.2 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

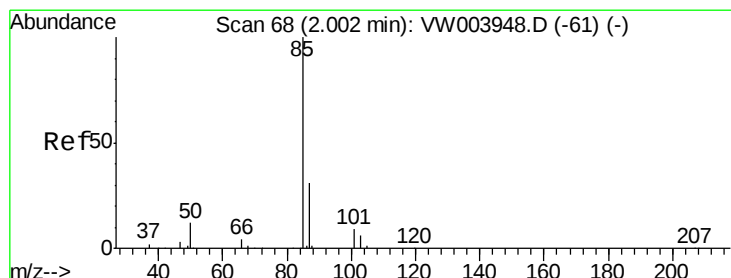
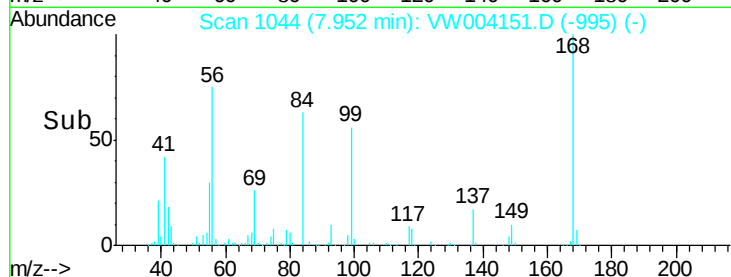
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 36.967 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW004151.D

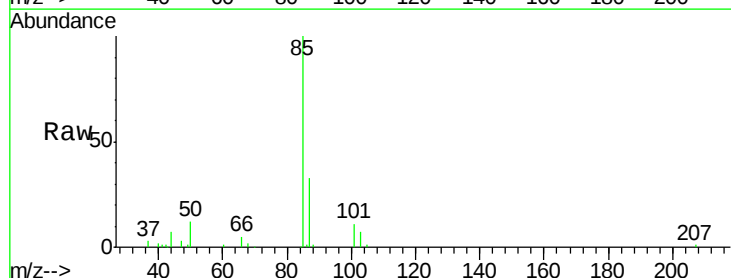
Acq: 23 Jul 2018 21:15

Tgt Ion: 85 Resp: 52564

Ion Ratio Lower Upper

85 100

87 32.9 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

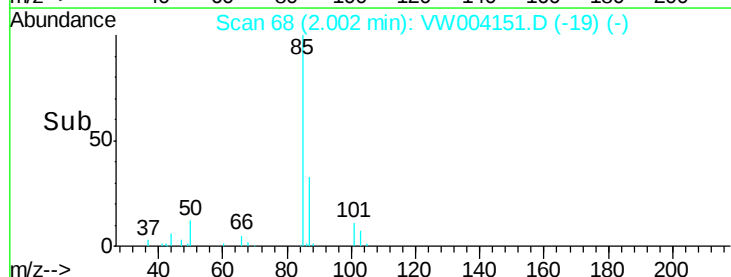
15000

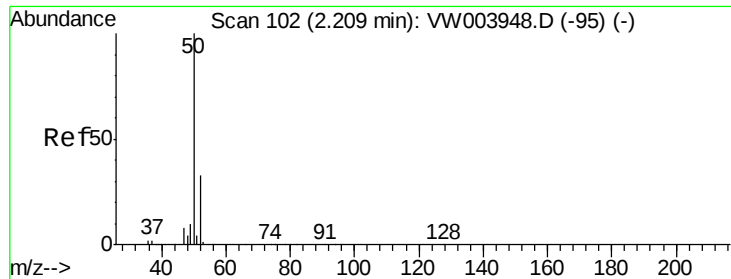
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 47.588 ug/l

RT: 2.20 min Scan# 101

Delta R.T. -0.01 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :

MSVOA_W

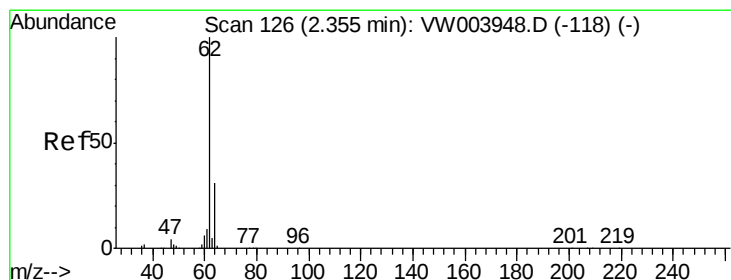
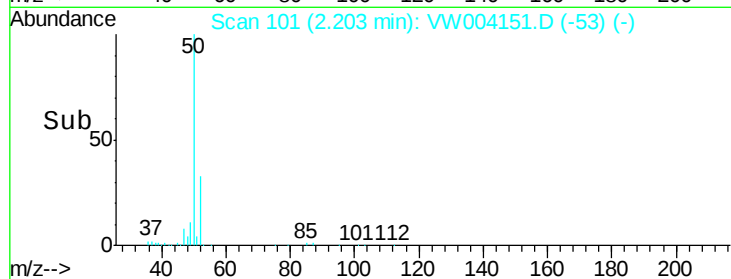
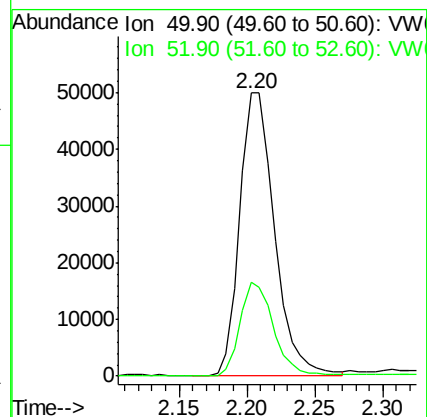
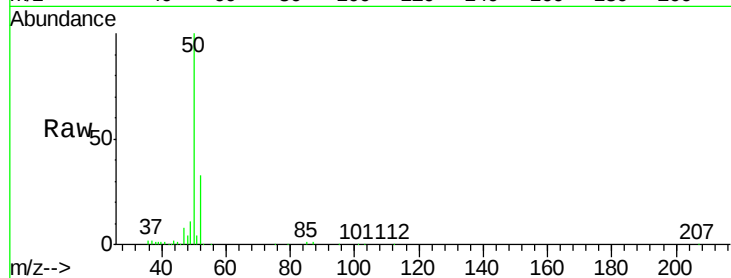
ClientSampled :

Tot Ion: 50 Resp: 89065

Ion Ratio Lower Upper

50 100

52 33.4 26.3 39.5



#4

Vinyl Chloride

Concen: 47.889 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW004151.D

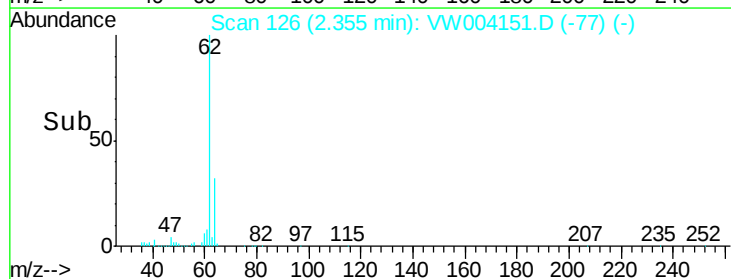
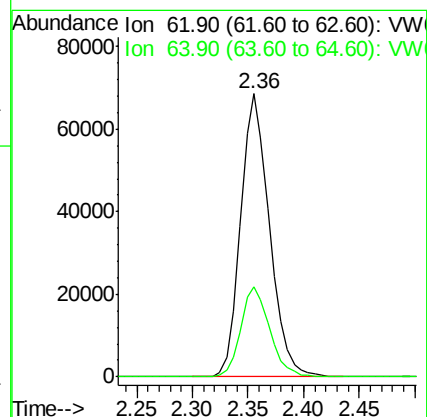
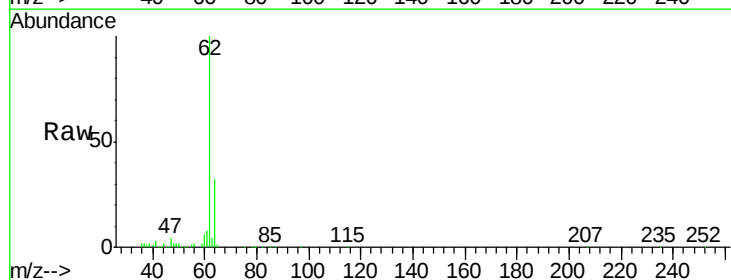
Acq: 23 Jul 2018 21:15

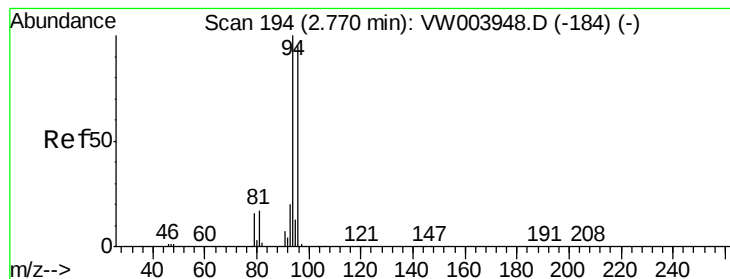
Tgt Ion: 62 Resp: 123283

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.6





#5

Bromomethane

Concen: 46.342 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :

MSVOA_W

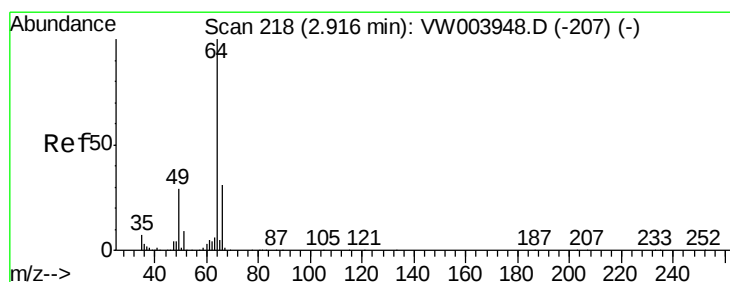
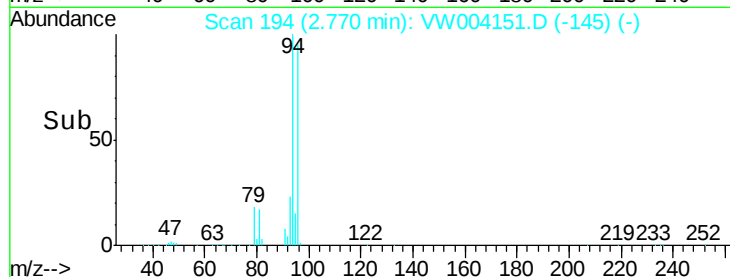
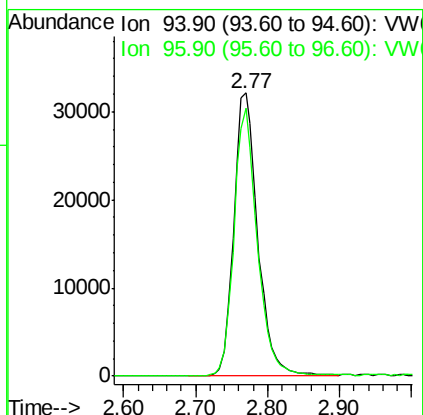
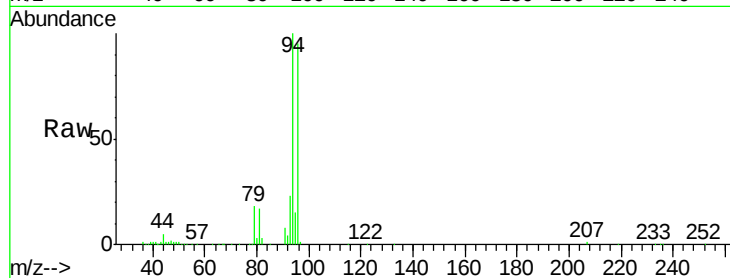
ClientSampleId :

Tot Ion: 94 Resp: 74564

Ion Ratio Lower Upper

94 100

96 94.5 75.8 113.6



#6

Chloroethane

Concen: 45.541 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.00 min

Lab File: VW004151.D

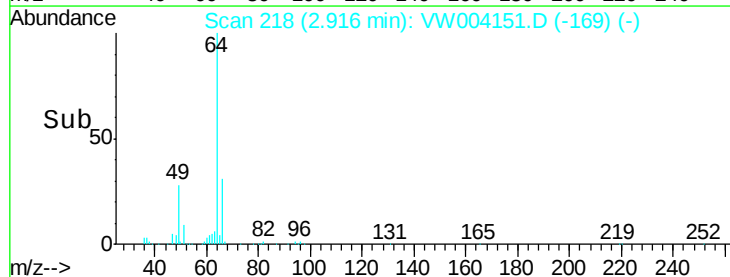
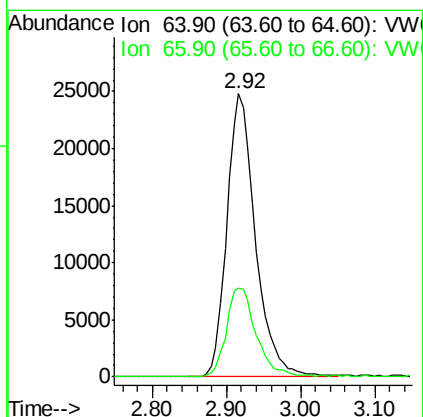
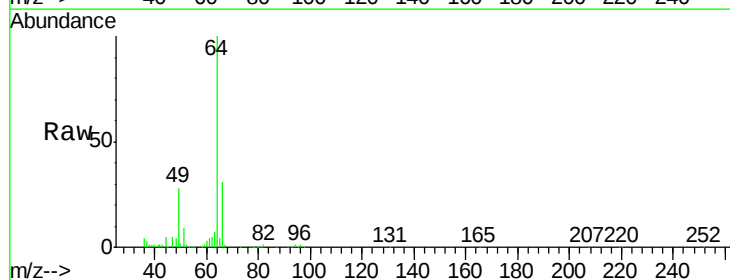
Acq: 23 Jul 2018 21:15

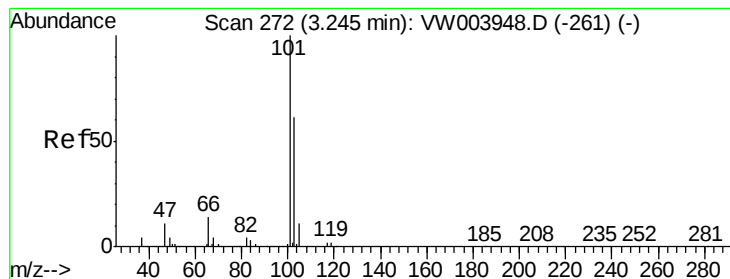
Tgt Ion: 64 Resp: 66610

Ion Ratio Lower Upper

64 100

66 31.3 24.5 36.7



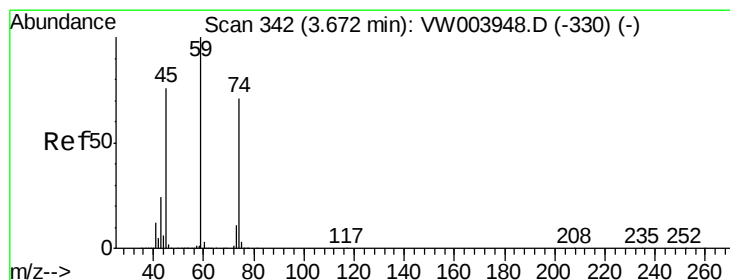
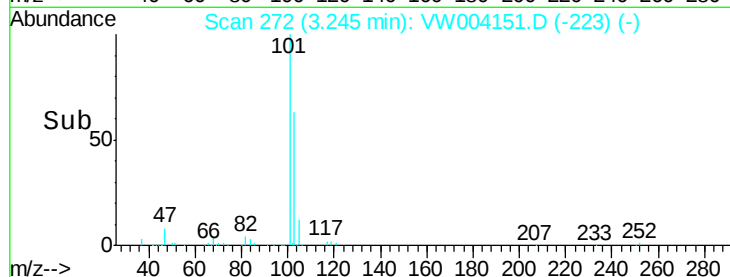
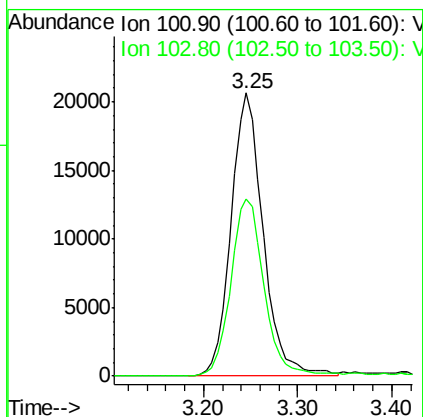
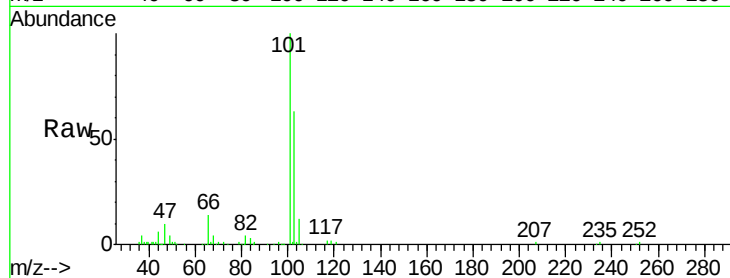


#7

Trichlorofluoromethane
Concen: 45.373 ug/l
RT: 3.25 min Scan# 272
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

Instrument :
MSVOA_W
ClientSampled :

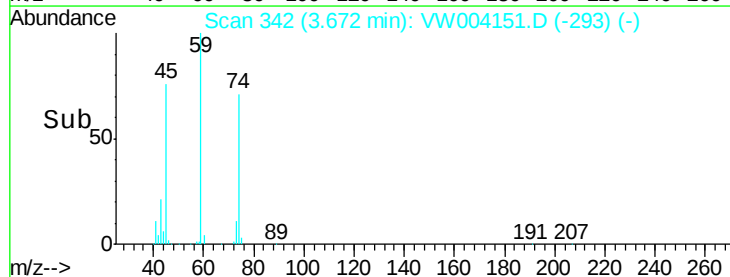
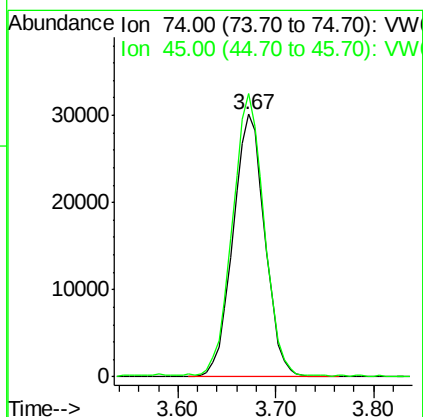
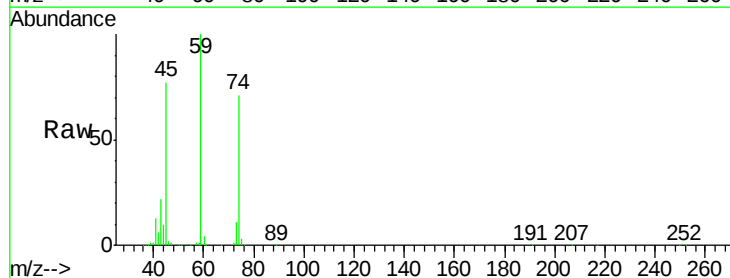
Tot Ion:101 Resp: 49037
Ion Ratio Lower Upper
101 100
103 62.6 49.0 73.6

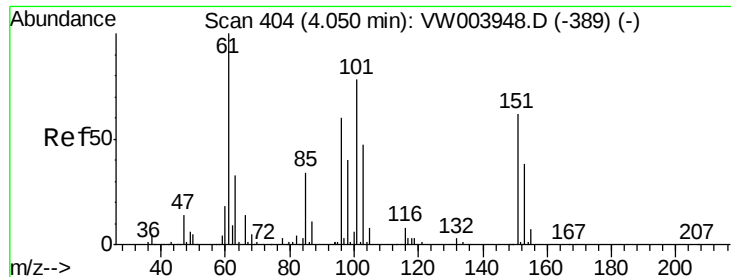


#8

Diethyl Ether
Concen: 54.138 ug/l
RT: 3.67 min Scan# 342
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

Tgt Ion: 74 Resp: 67916
Ion Ratio Lower Upper
74 100
45 107.3 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.159 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampled :

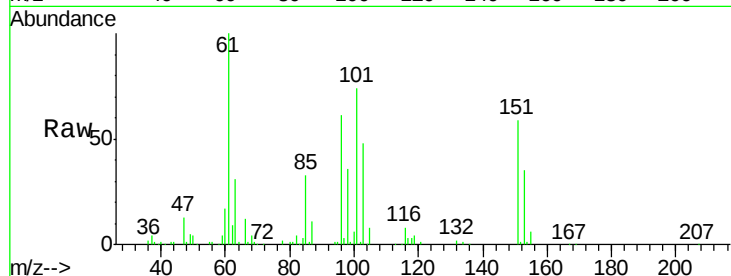
Tot Ion:101 Resp: 122597

Ion Ratio Lower Upper

101 100

85 44.2 35.8 53.6

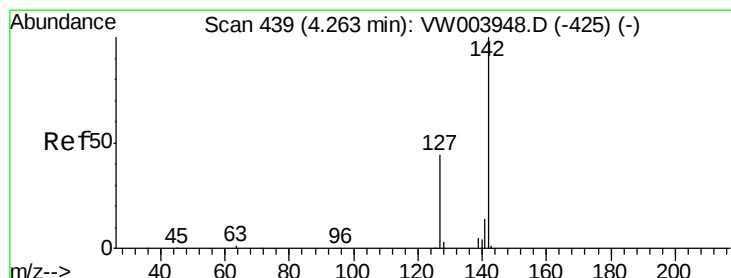
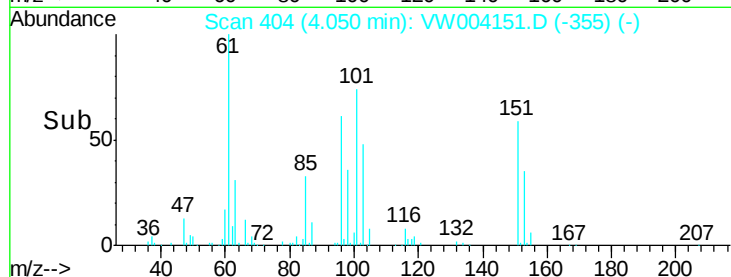
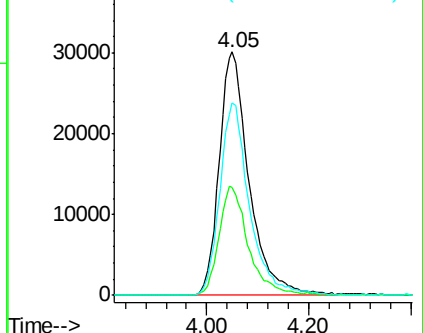
151 78.5 63.6 95.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.200 ug/l

RT: 4.26 min Scan# 439

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

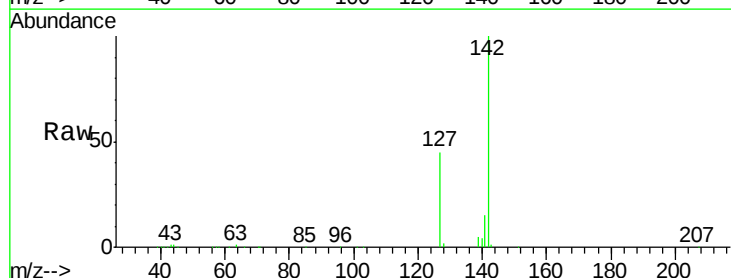
Tgt Ion:142 Resp: 186970

Ion Ratio Lower Upper

142 100

127 43.7 35.4 53.2

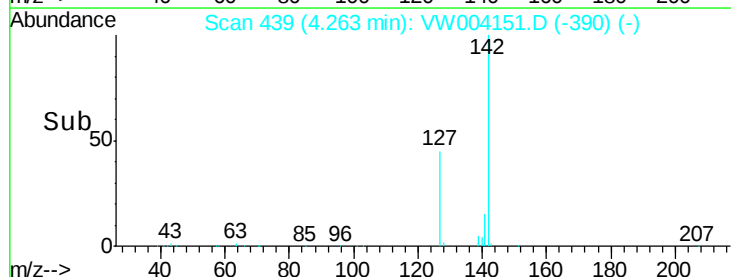
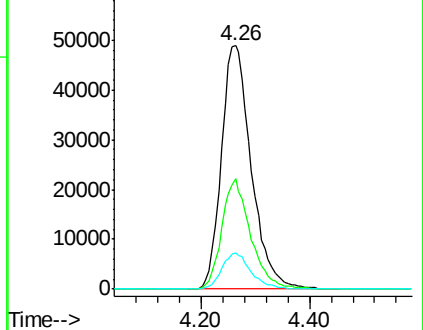
141 14.5 11.7 17.5

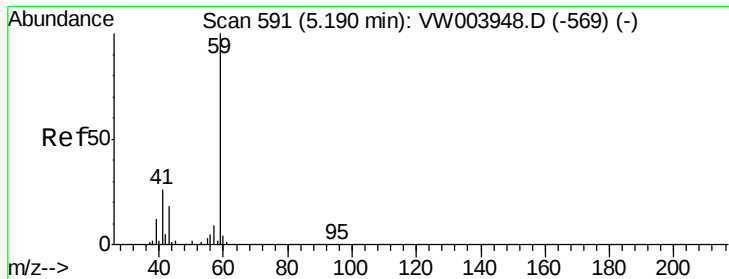


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



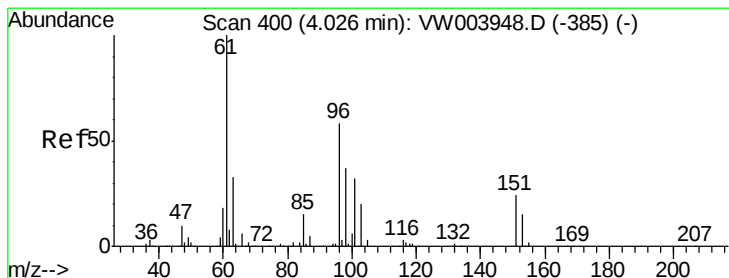
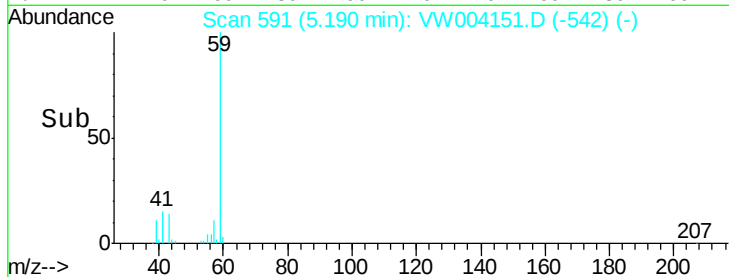
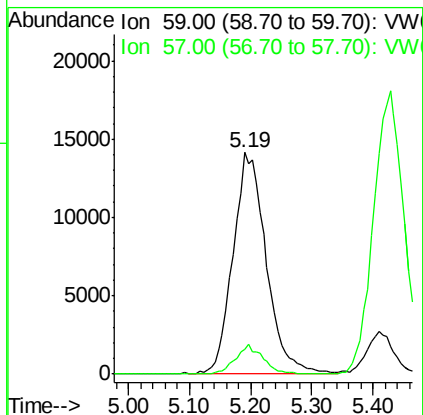
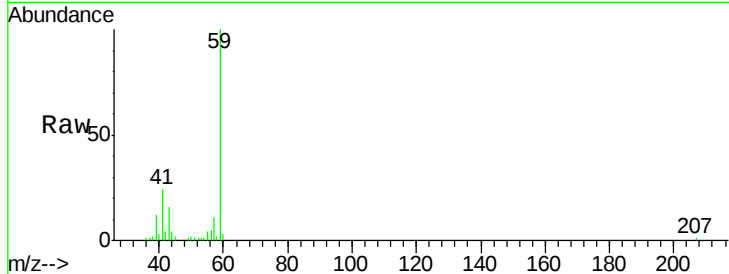


#11

Tert butyl alcohol
 Concen: 268.447 ug/l
 RT: 5.19 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: VW004151.D
 Acq: 23 Jul 2018 21:15

Instrument :
 MSVOA_W
 ClientSampled :

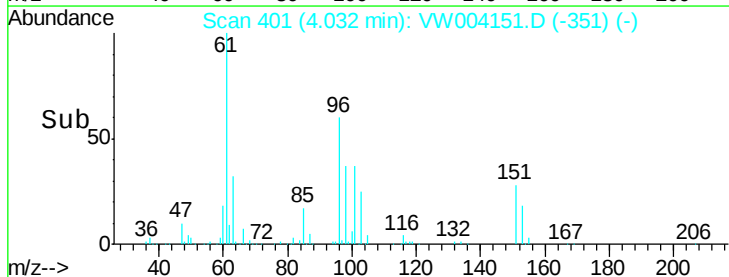
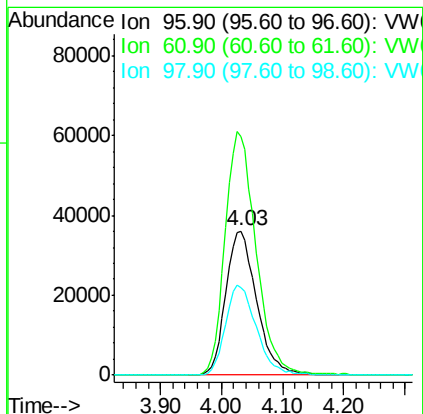
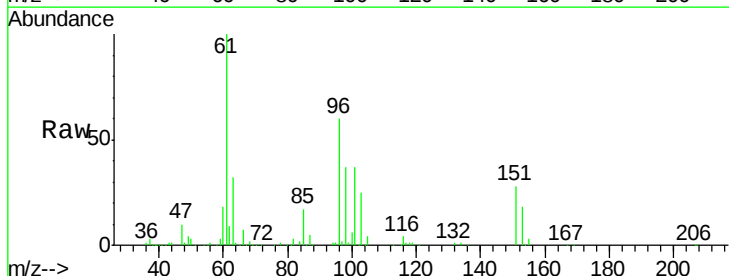
Tot Ion: 59 Resp: 52450
 Ion Ratio Lower Upper
 59 100
 57 11.3 8.5 12.7

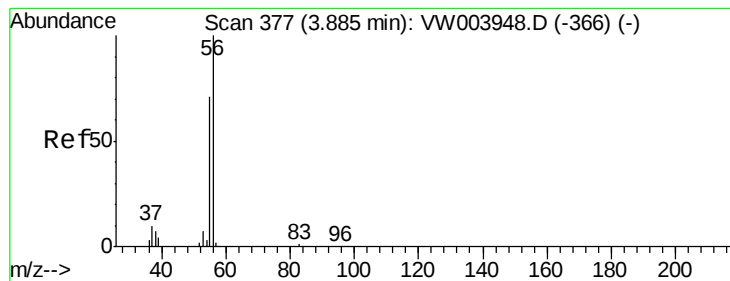


#12

1,1-Dichloroethene
 Concen: 51.122 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. 0.01 min
 Lab File: VW004151.D
 Acq: 23 Jul 2018 21:15

Tgt Ion: 96 Resp: 125797
 Ion Ratio Lower Upper
 96 100
 61 165.9 137.0 205.6
 98 60.9 50.2 75.4





#13

Acrolein

Concen: 286.942 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :

MSVOA_W

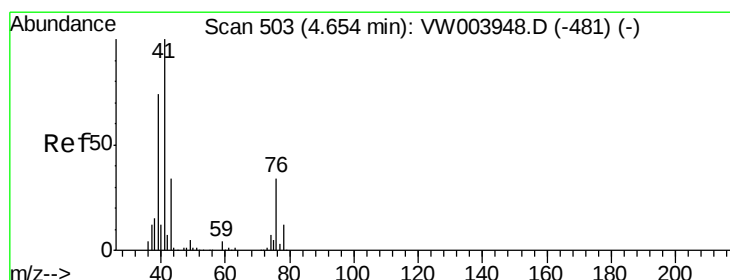
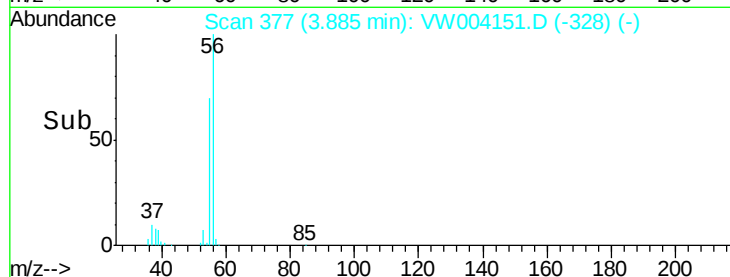
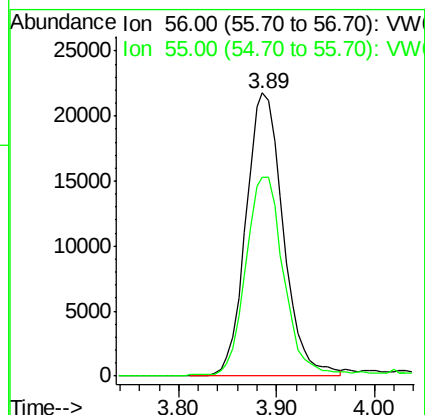
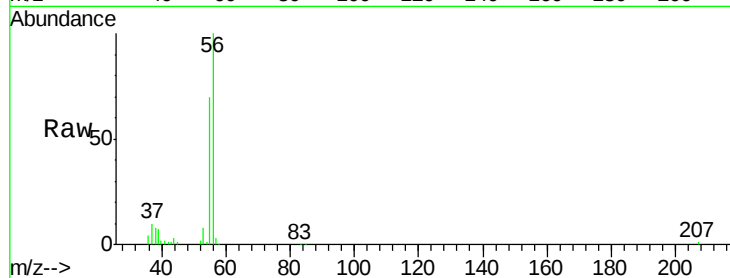
ClientSampleId :

Tot Ion: 56 Resp: 57605

Ion Ratio Lower Upper

56 100

55 70.5 58.2 87.4



#14

Allyl chloride

Concen: 53.472 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

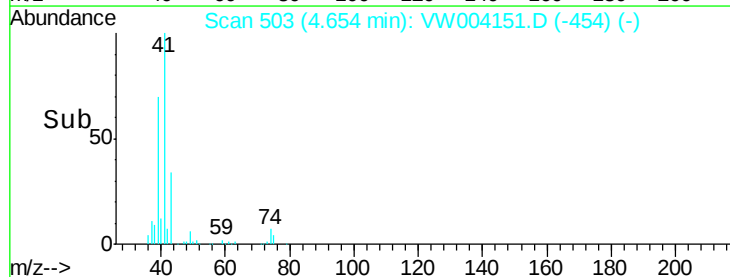
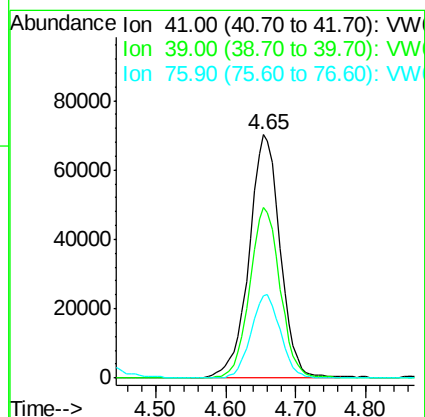
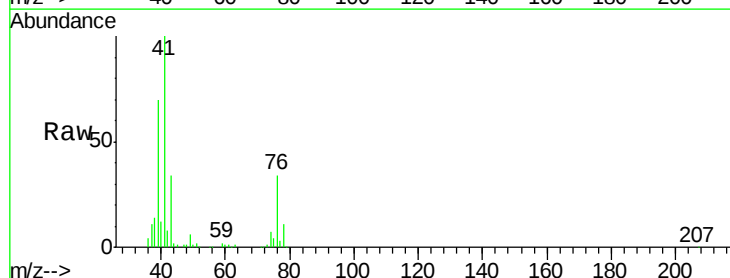
Tgt Ion: 41 Resp: 217189

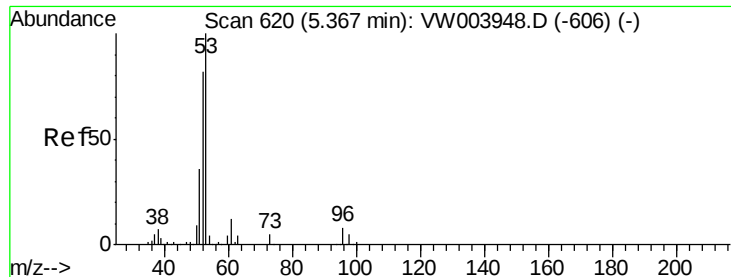
Ion Ratio Lower Upper

41 100

39 68.5 57.0 85.4

76 32.6 26.5 39.7





#15

Acrylonitrile

Concen: 288.500 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

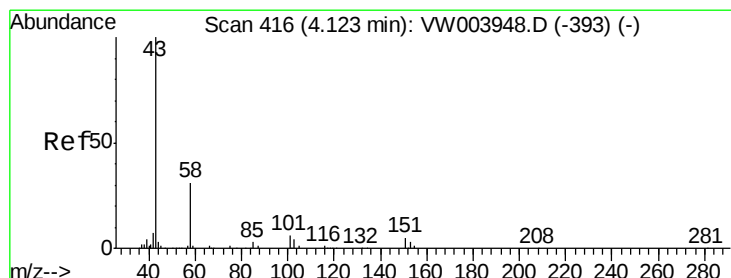
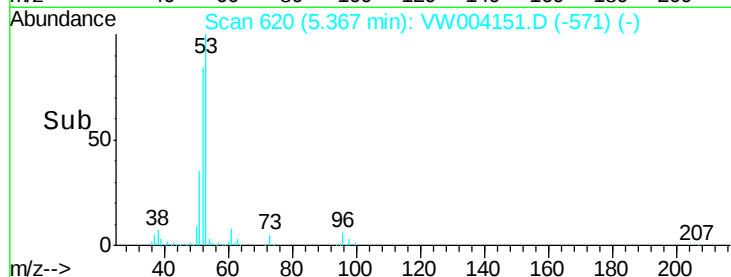
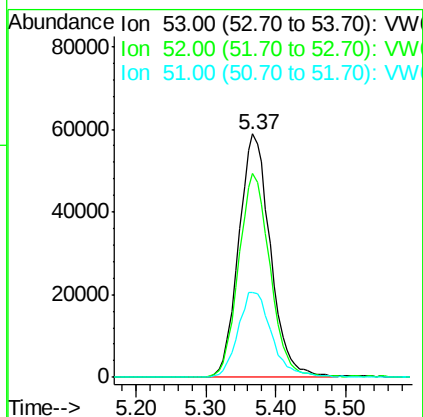
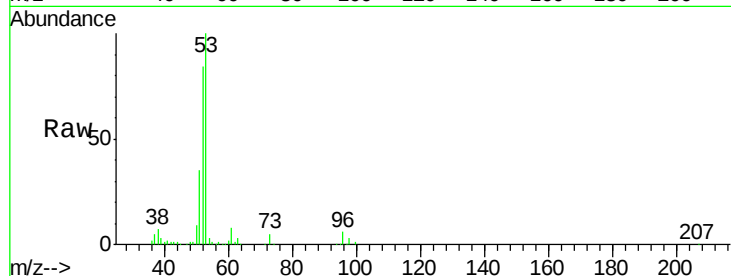
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 53 Resp: 185457

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.1	99.1
51	37.2	29.8	44.6



#16

Acetone

Concen: 223.370 ug/l

RT: 4.12 min Scan# 416

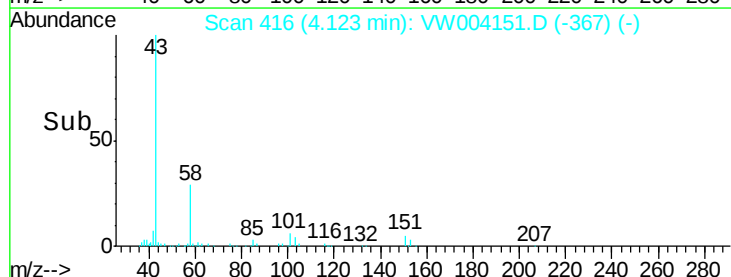
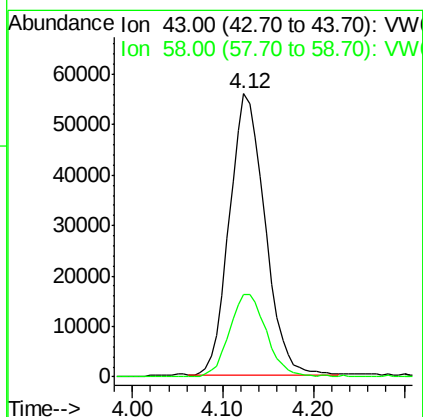
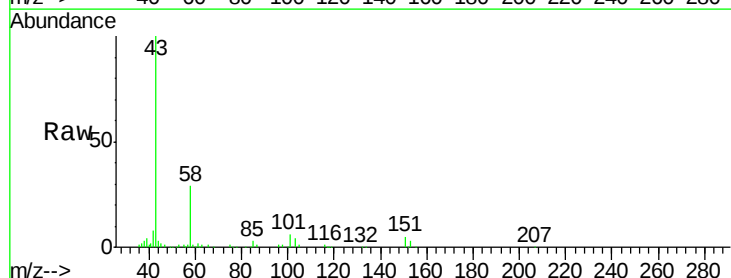
Delta R.T. -0.00 min

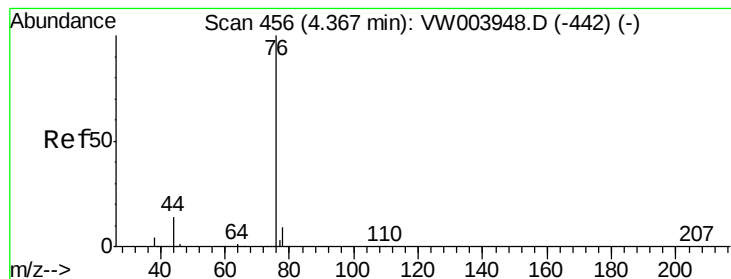
Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Tgt Ion: 43 Resp: 151918

Ion	Ratio	Lower	Upper
43	100		
58	28.9	24.5	36.7





#17

Carbon Disulfide

Concen: 50.201 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :

MSVOA_W

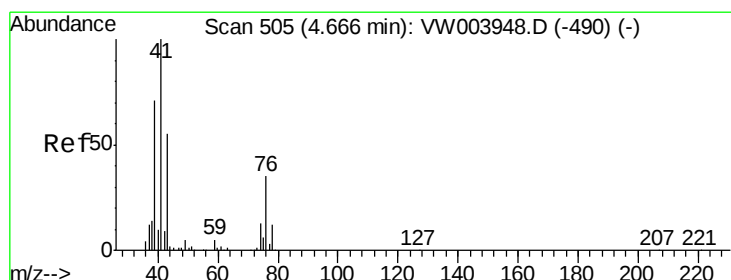
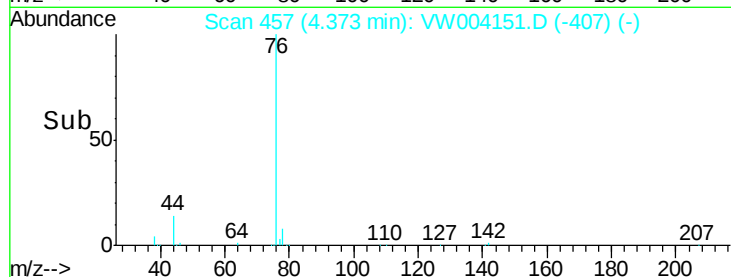
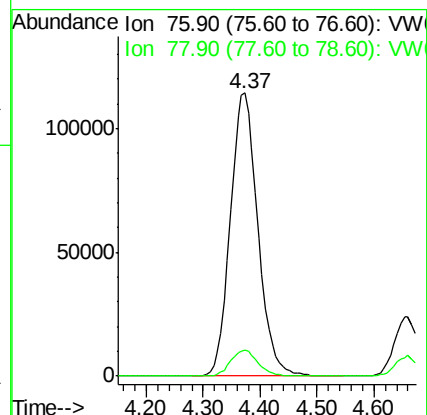
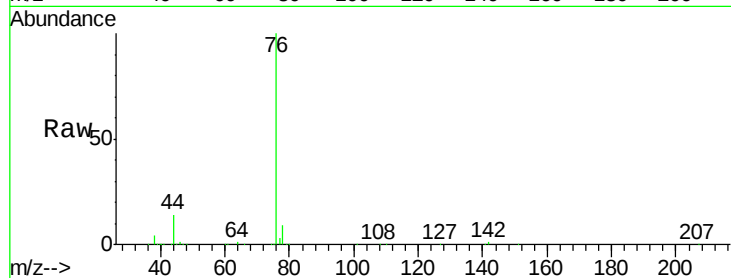
ClientSampleId :

Tot Ion: 76 Resp: 385583

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



#18

Methyl Acetate

Concen: 62.629 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.00 min

Lab File: VW004151.D

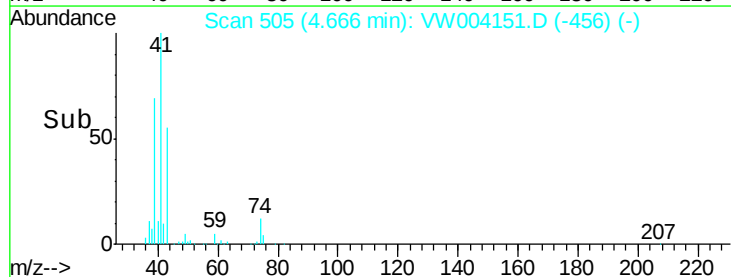
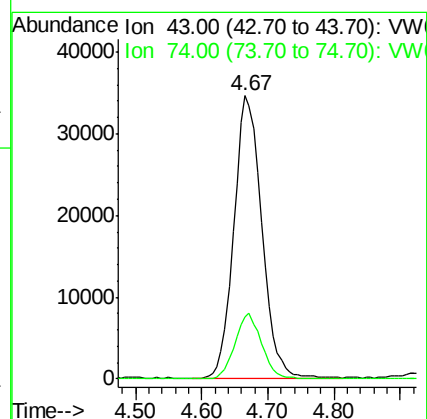
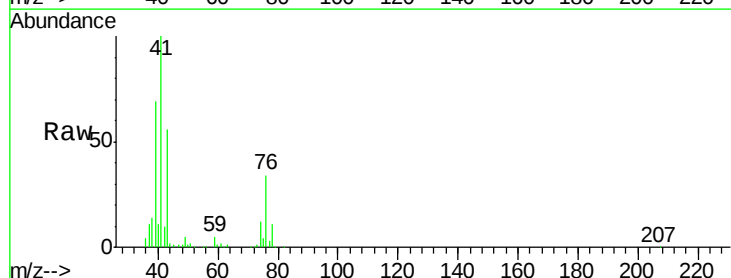
Acq: 23 Jul 2018 21:15

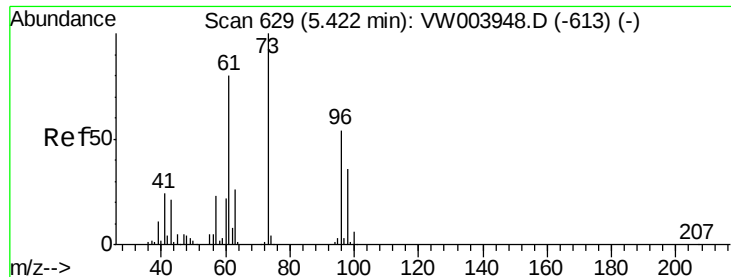
Tgt Ion: 43 Resp: 102245

Ion Ratio Lower Upper

43 100

74 21.9 17.7 26.5

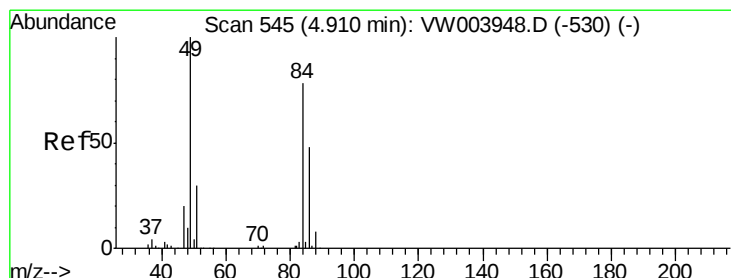
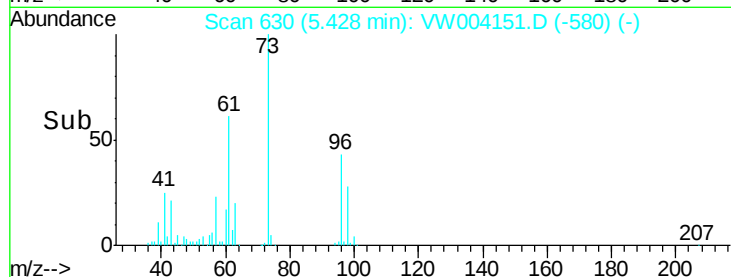
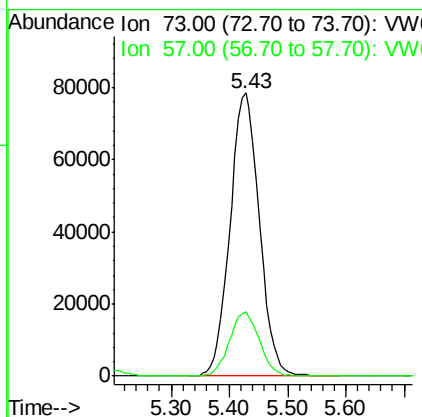
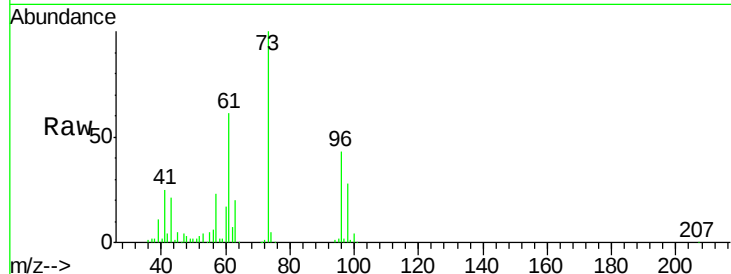




#19
Methyl tert-butyl Ether
Concen: 58.234 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

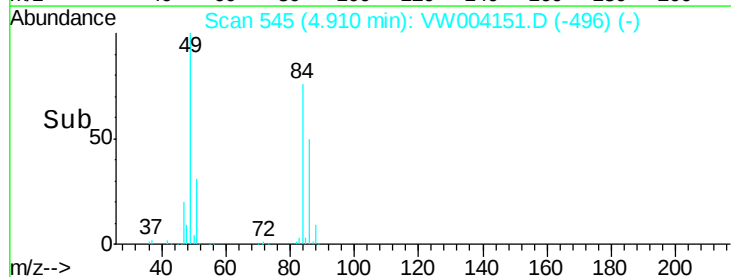
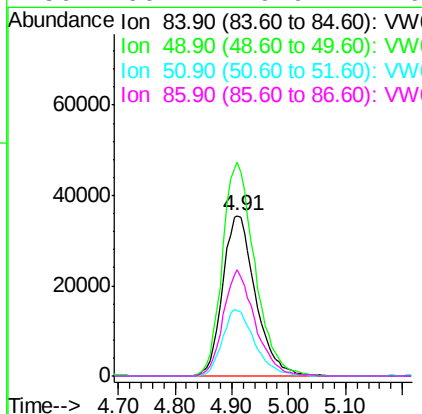
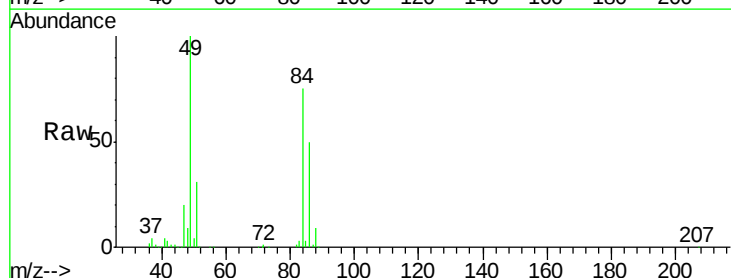
Instrument :
MSVOA_W
ClientSampled :

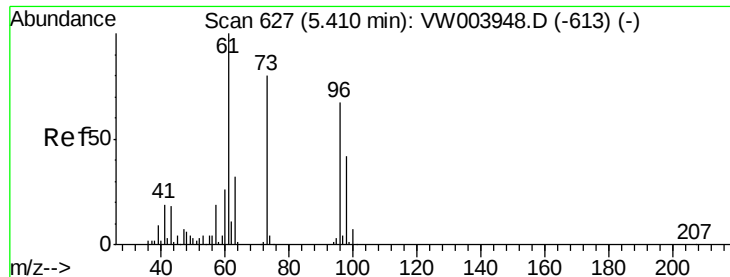
Tot Ion: 73 Resp: 274636
Ion Ratio Lower Upper
73 100
57 23.0 18.2 27.4



#20
Methylene Chloride
Concen: 46.970 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

Tgt Ion: 84 Resp: 142468
Ion Ratio Lower Upper
84 100
49 133.0 102.9 154.3
51 40.7 30.9 46.3
86 66.2 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 52.083 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampled :

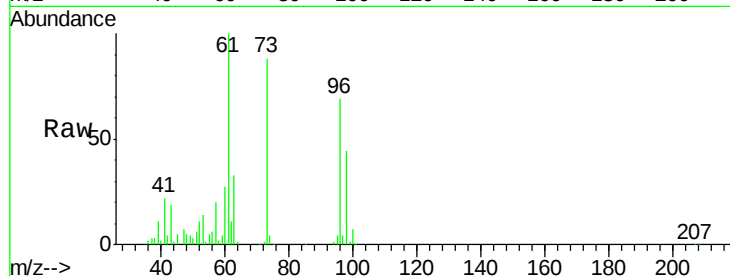
Tot Ion: 96 Resp: 140487

Ion Ratio Lower Upper

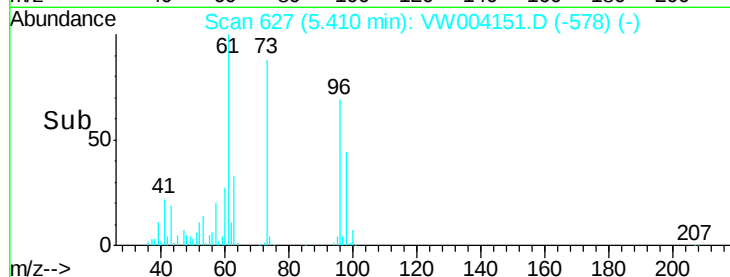
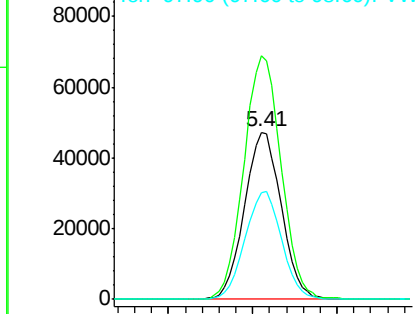
96 100

61 145.4 119.0 178.4

98 63.4 49.9 74.9



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



#22

Diisopropyl ether

Concen: 56.794 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Tgt Ion: 45 Resp: 466214

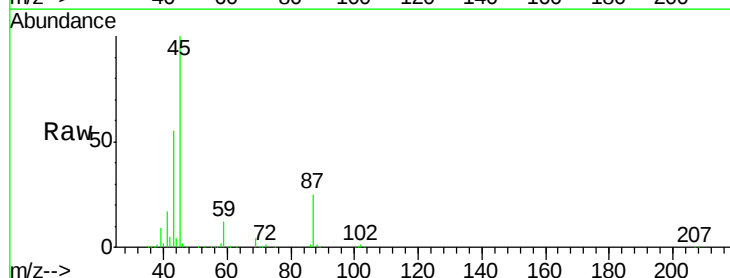
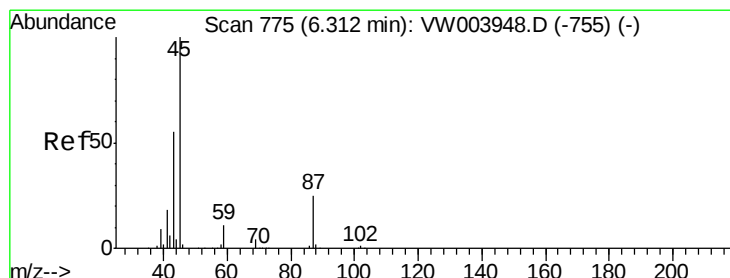
Ion Ratio Lower Upper

45 100

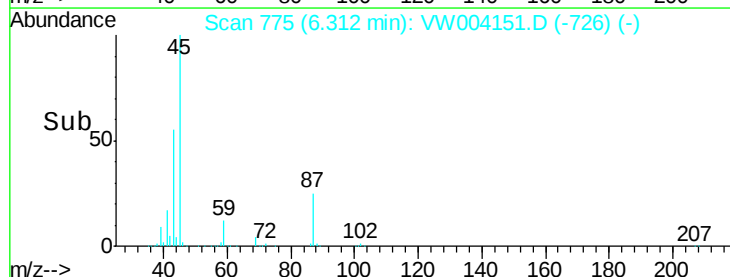
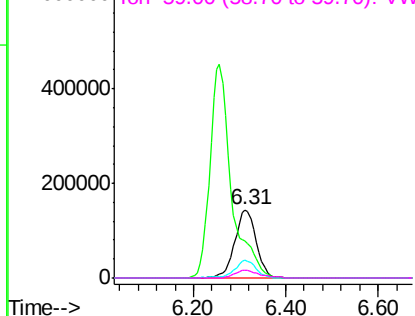
43 55.2 44.3 66.5

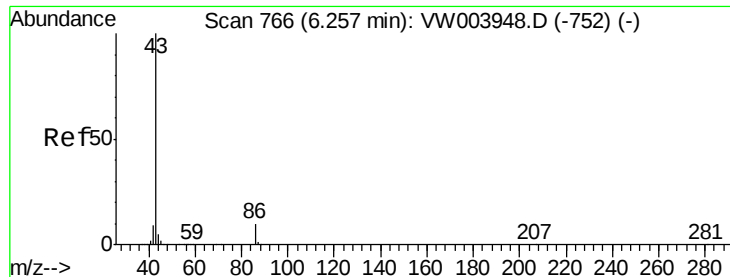
87 25.4 20.2 30.4

59 11.9 9.0 13.4



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





#23

Vinyl Acetate

Concen: 279.355 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

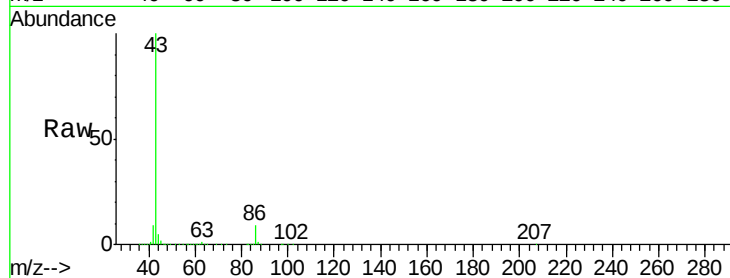
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1452997

Ion Ratio Lower Upper

43 100

86 9.1 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

500000

400000

300000

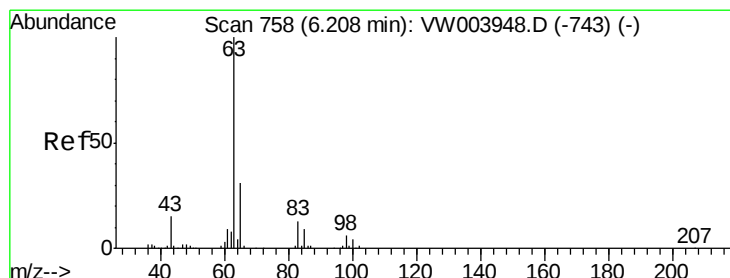
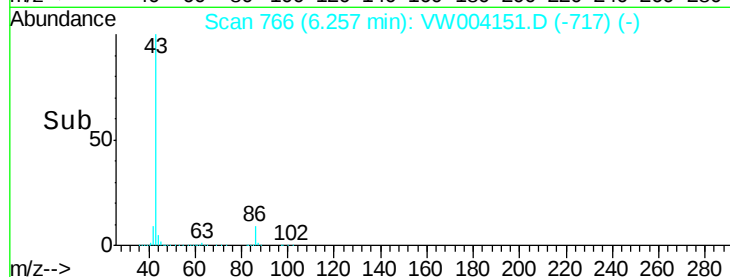
200000

100000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 53.857 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.01 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

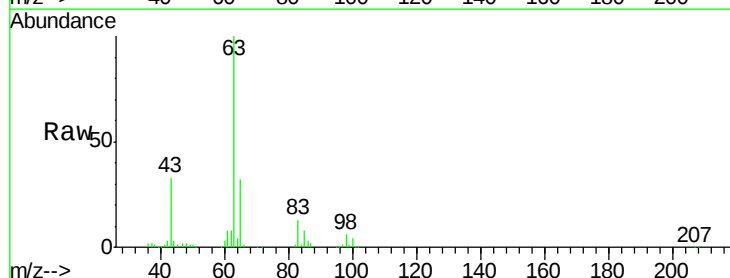
Tgt Ion: 63 Resp: 269760

Ion Ratio Lower Upper

63 100

98 5.9 3.1 9.4

100 4.1 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

120000

100000

80000

60000

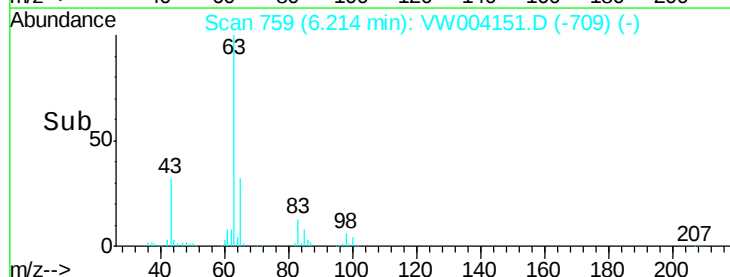
40000

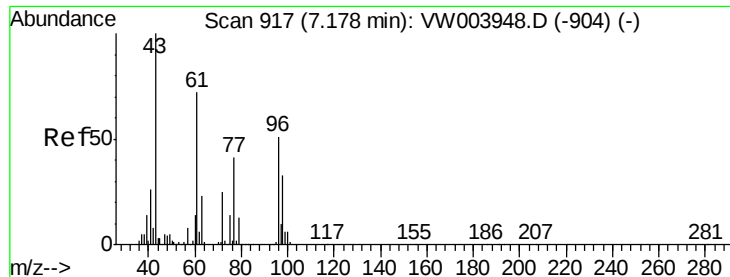
20000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 274.909 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :

MSVOA_W

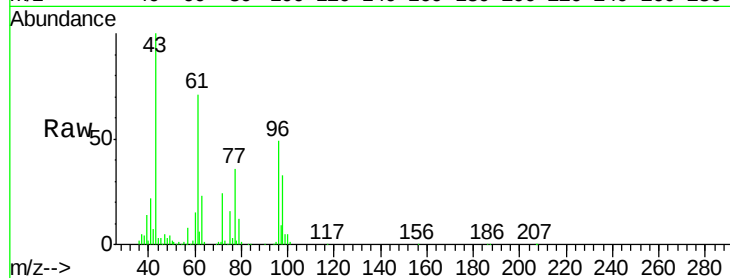
ClientSampled :

Tot Ion: 43 Resp: 251608

Ion Ratio Lower Upper

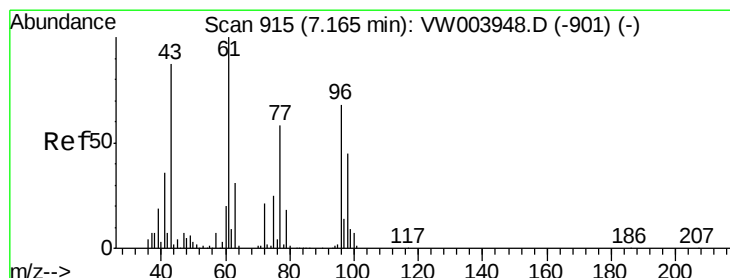
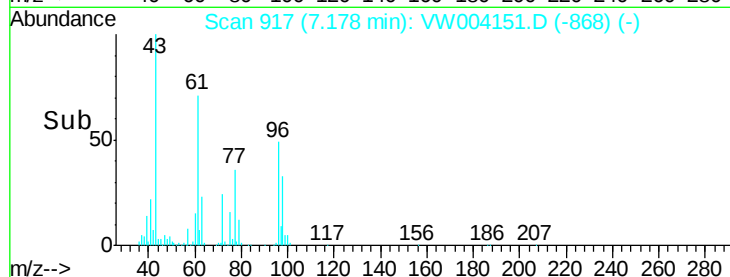
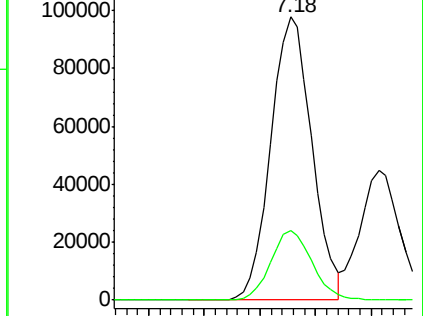
43 100

72 24.5 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 44.797 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW004151.D

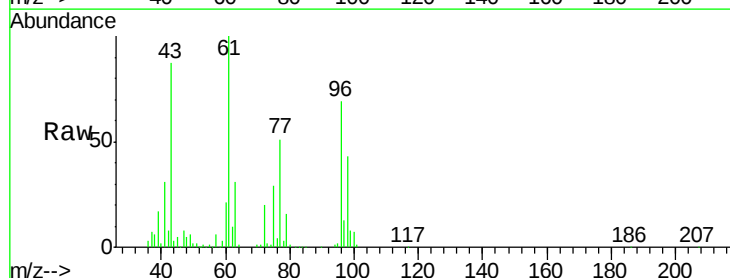
Acq: 23 Jul 2018 21:15

Tgt Ion: 77 Resp: 128800

Ion Ratio Lower Upper

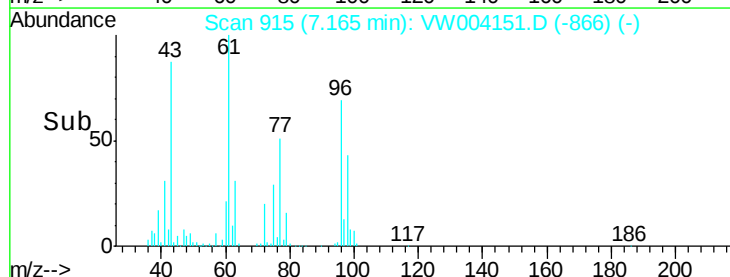
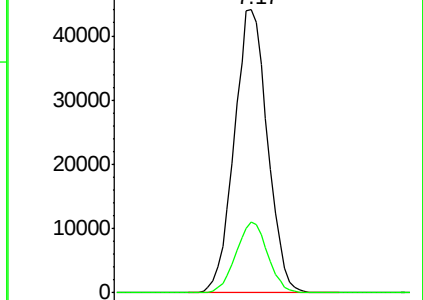
77 100

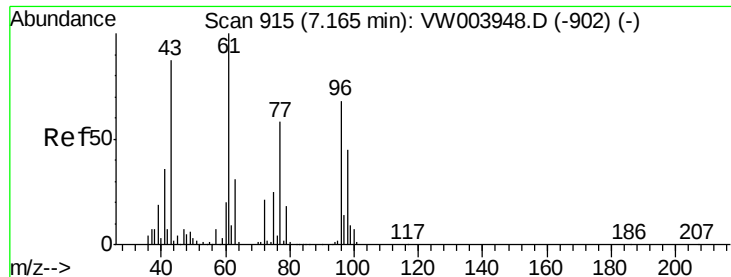
97 24.0 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



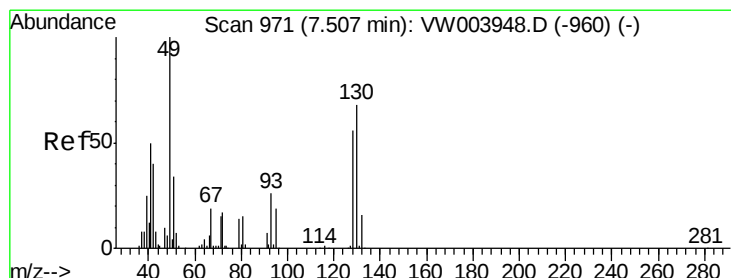
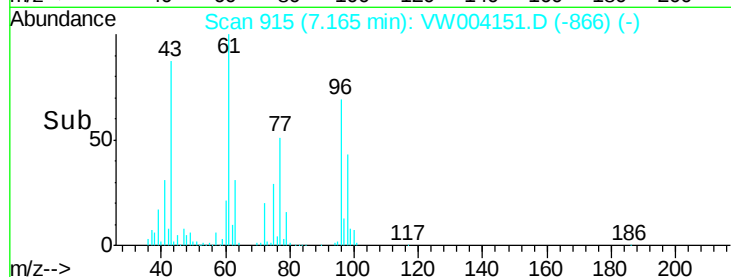
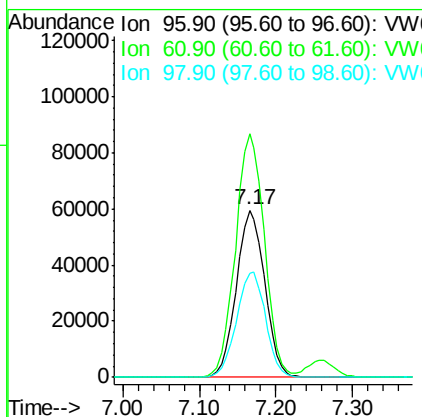
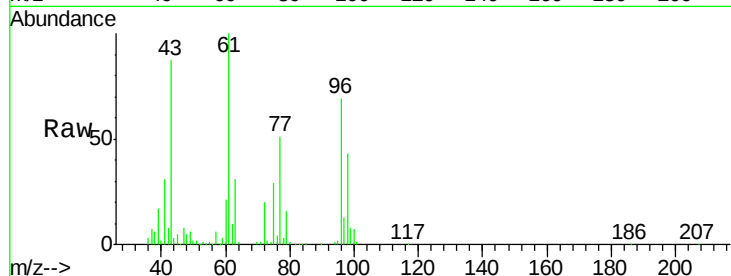


#27

cis-1,2-Dichloroethene
Concen: 52.689 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

Instrument :
MSVOA_W
ClientSampleId :

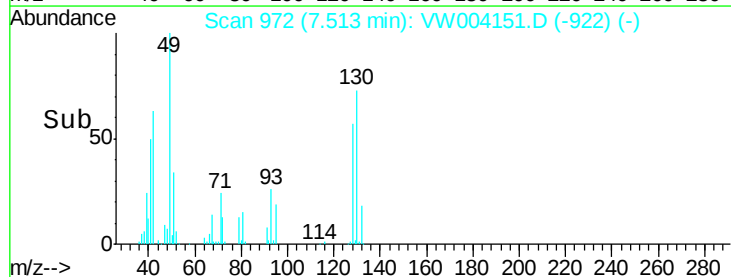
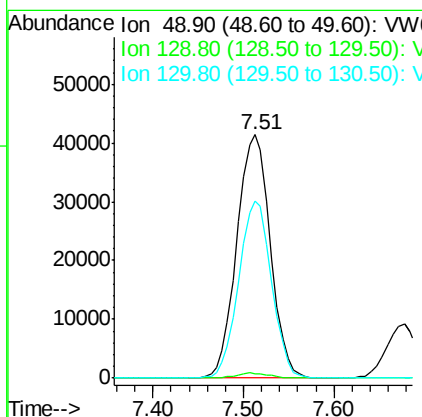
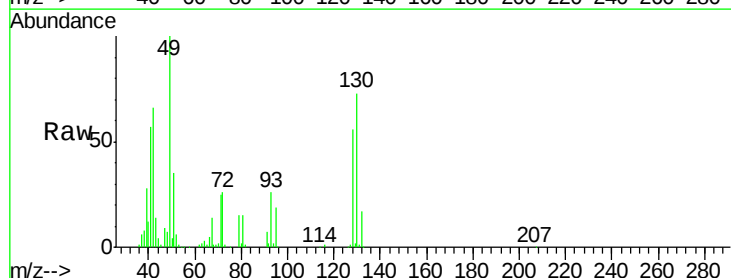
Tot Ion: 96 Resp: 153632
Ion Ratio Lower Upper
96 100
61 147.9 0.0 298.6
98 64.2 0.0 130.4

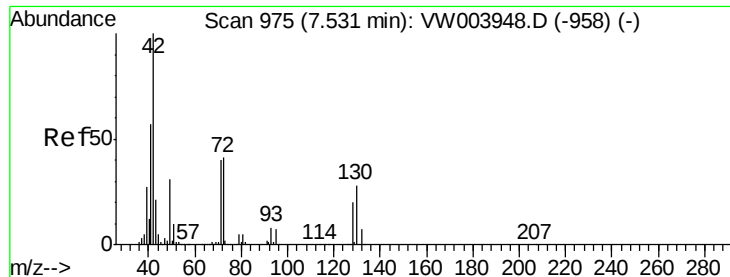


#28

Bromochloromethane
Concen: 51.709 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.01 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

Tgt Ion: 49 Resp: 105994
Ion Ratio Lower Upper
49 100
129 2.1 0.0 2.2
130 71.3 58.3 87.5





#29

Tetrahydrofuran

Concen: 295.582 ug/l

RT: 7.53 min Scan# 975

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampleId :

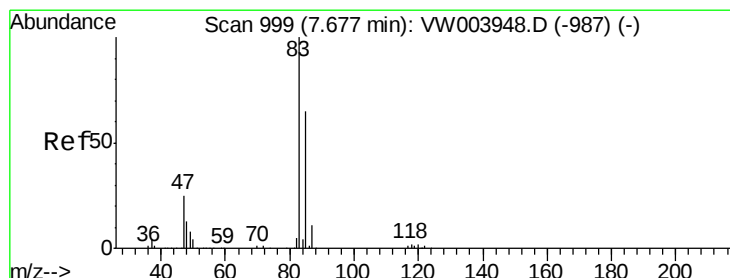
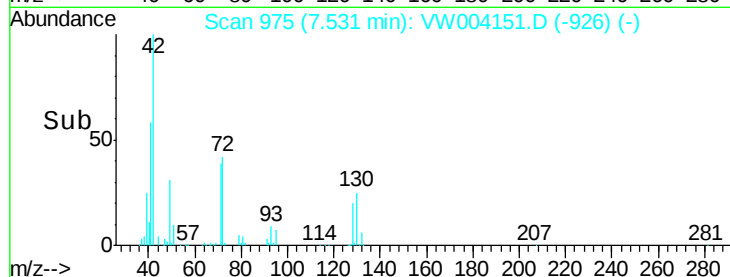
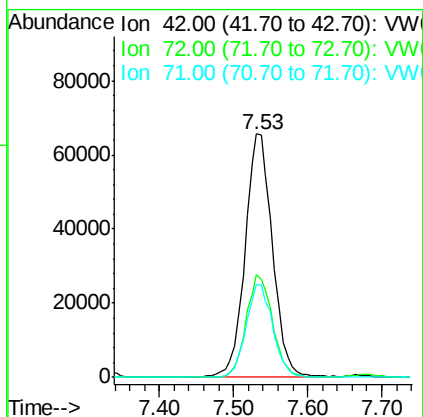
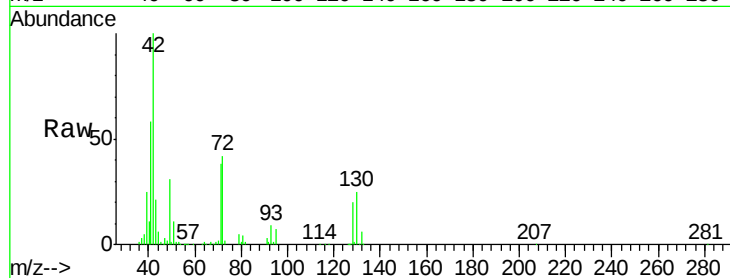
Tot Ion: 42 Resp: 168512

Ion Ratio Lower Upper

42 100

72 40.8 32.6 48.8

71 37.5 30.5 45.7



#30

Chloroform

Concen: 53.468 ug/l

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW004151.D

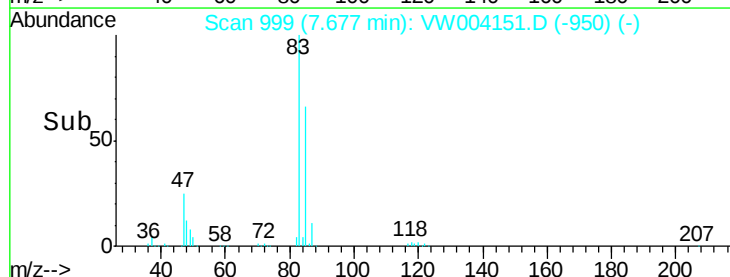
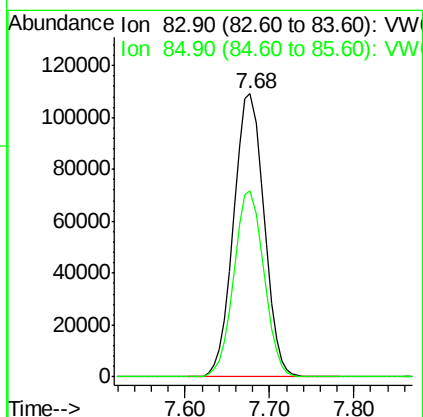
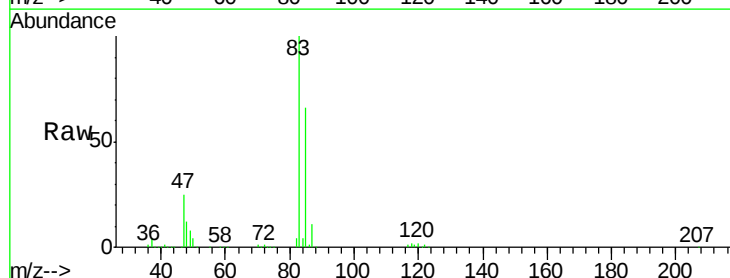
Acq: 23 Jul 2018 21:15

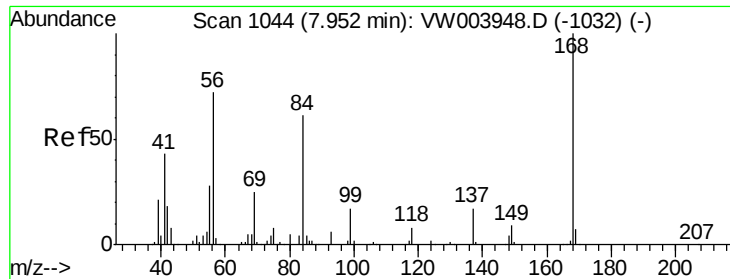
Tgt Ion: 83 Resp: 266386

Ion Ratio Lower Upper

83 100

85 65.6 52.2 78.4

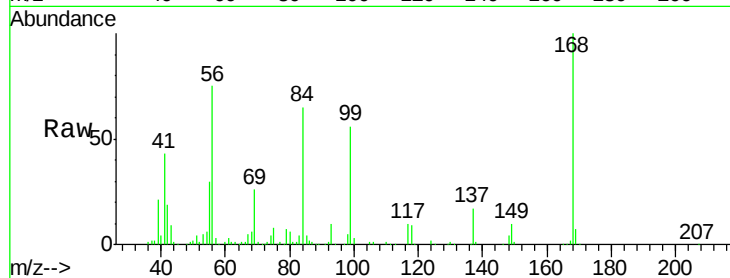




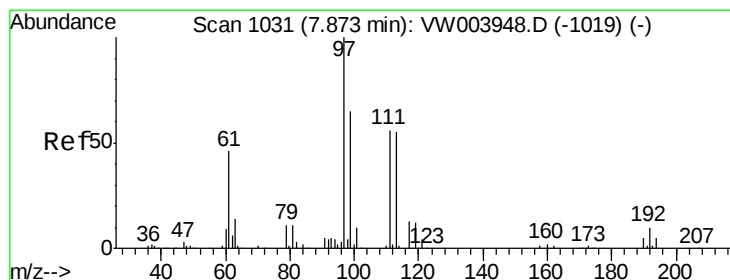
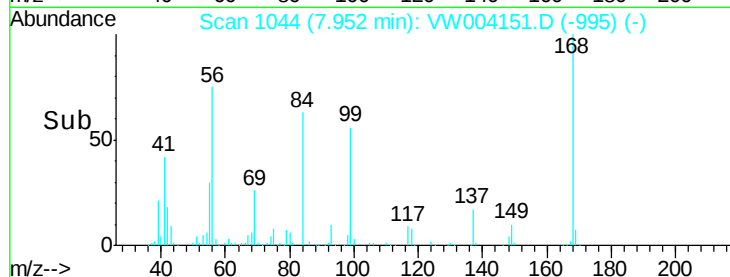
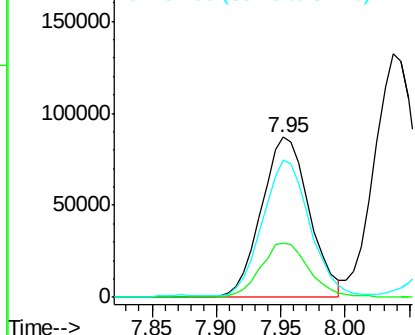
#31
Cyclohexane
Concen: 47.757 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 224229
Ion Ratio Lower Upper
56 100
69 34.2 27.8 41.8
84 84.4 67.2 100.8

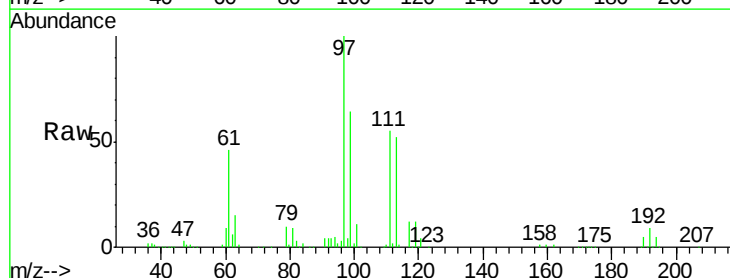


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

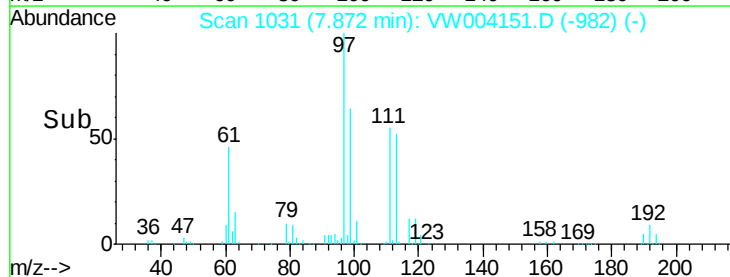
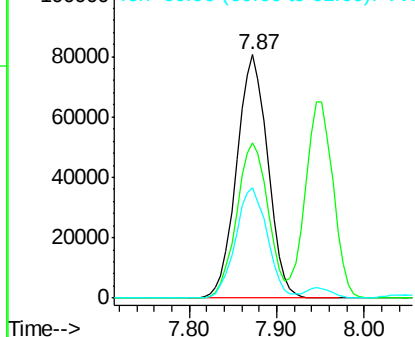


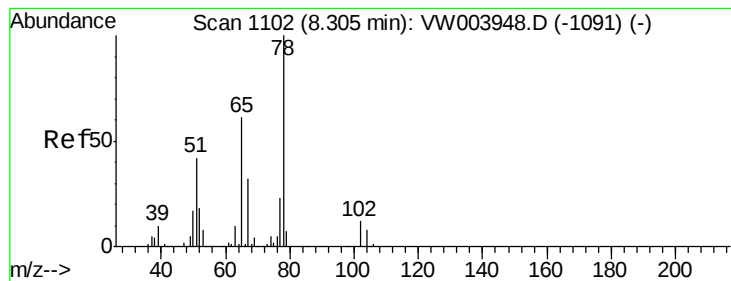
#32
1,1,1-Trichloroethane
Concen: 51.238 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

Tgt Ion: 97 Resp: 199343
Ion Ratio Lower Upper
97 100
99 64.5 51.3 76.9
61 46.1 36.8 55.2



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: 55.985 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :

MSVOA_W

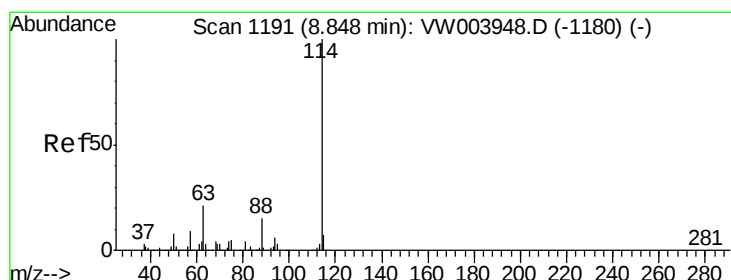
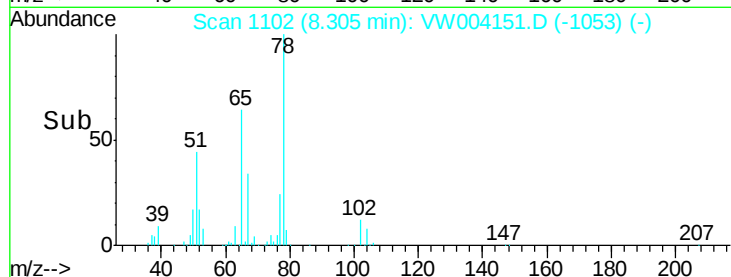
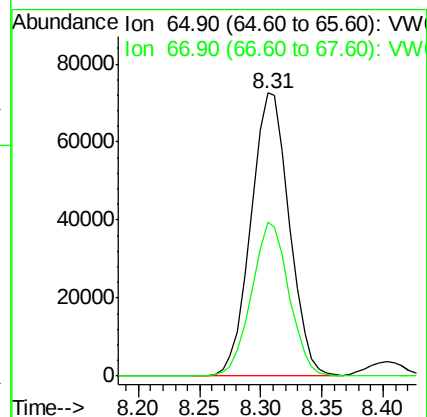
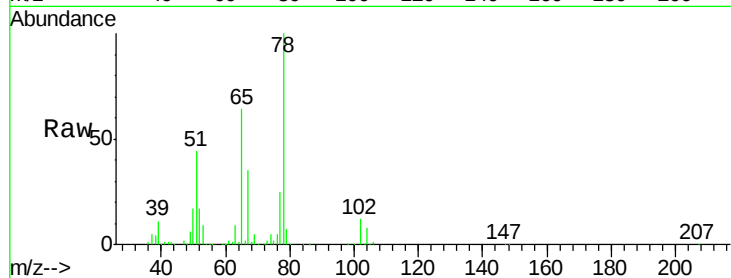
ClientSampled :

Tot Ion: 65 Resp: 158454

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

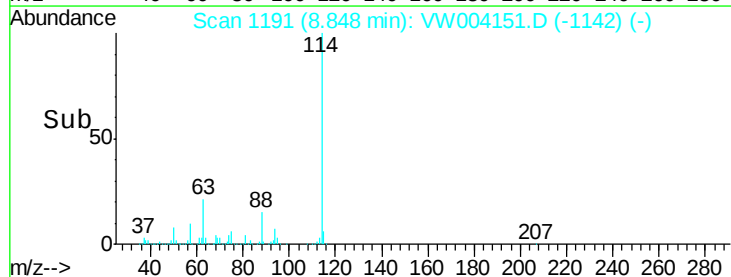
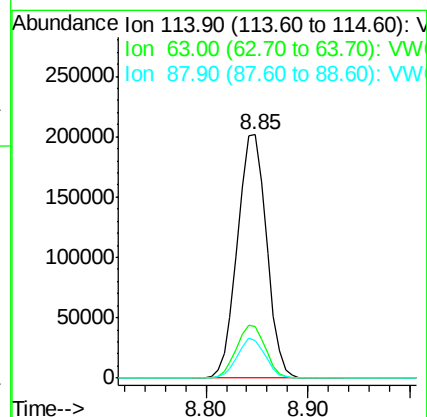
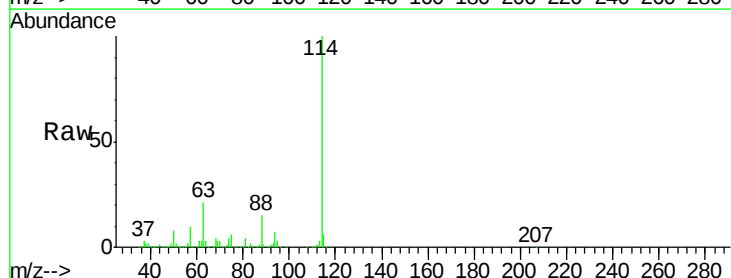
Tgt Ion: 114 Resp: 399428

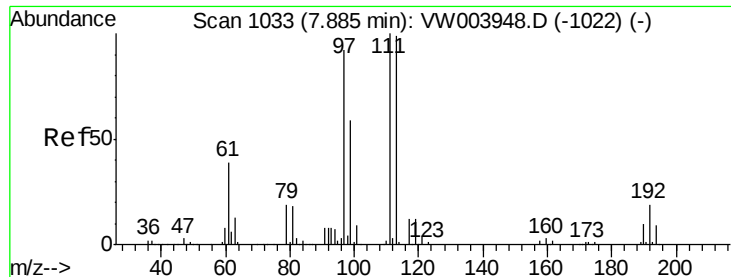
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.8

88 15.2 0.0 30.4

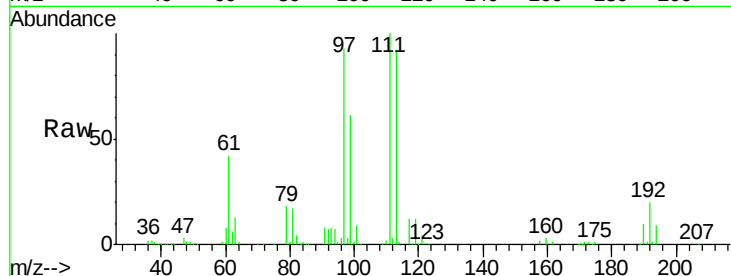




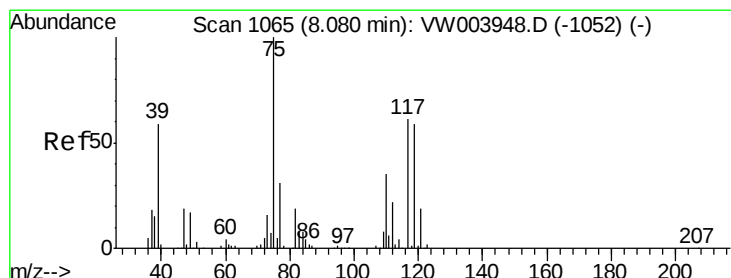
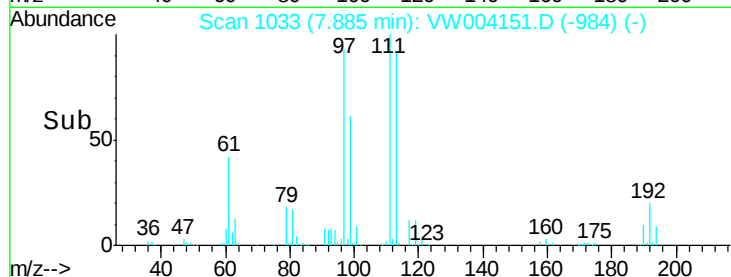
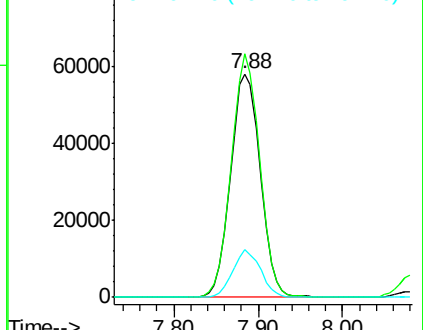
#35
Dibromofluoromethane
Concen: 53.953 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:113 Resp: 138272
Ion Ratio Lower Upper
113 100
111 104.2 81.3 121.9
192 20.0 15.8 23.6

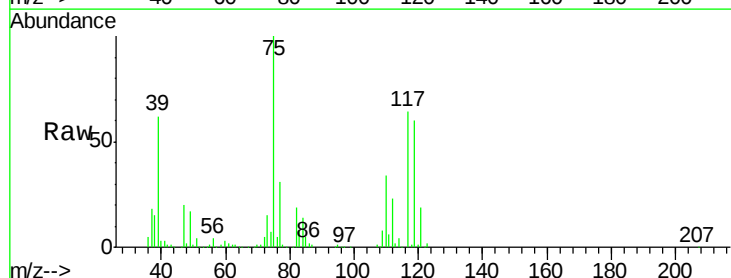


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

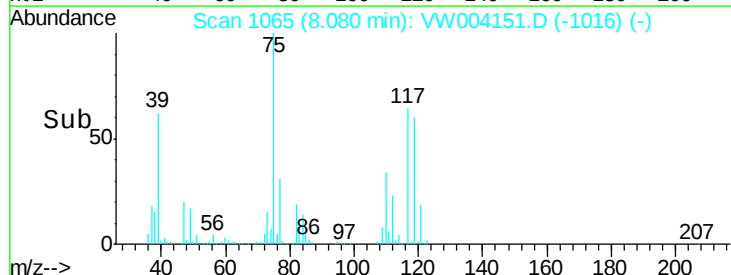
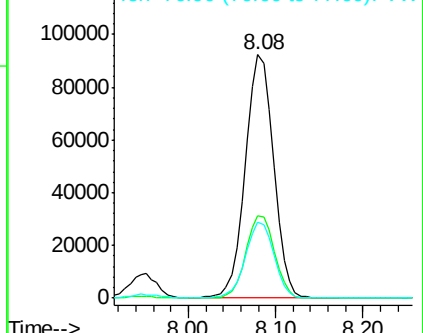


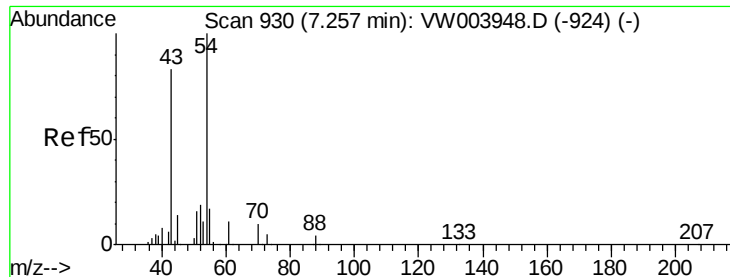
#36
1,1-Dichloropropene
Concen: 50.587 ug/l
RT: 8.08 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

Tgt Ion: 75 Resp: 207890
Ion Ratio Lower Upper
75 100
110 34.1 17.0 51.0
77 31.5 24.9 37.3



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

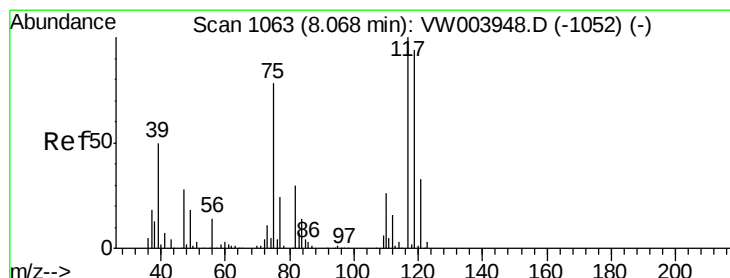
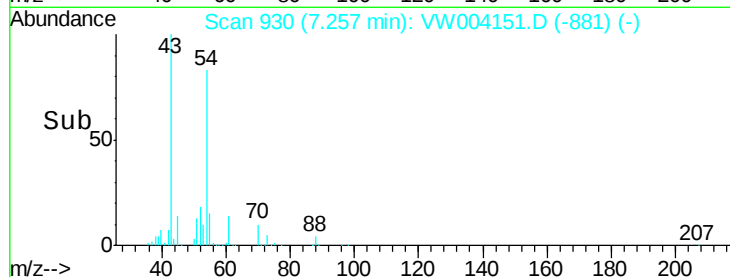
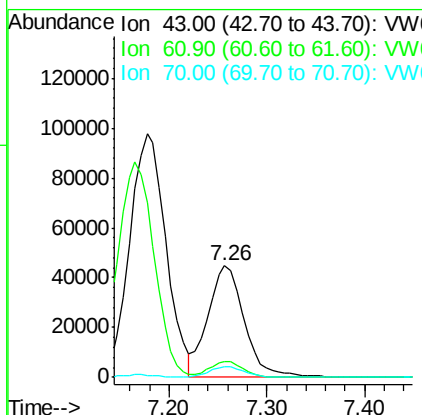
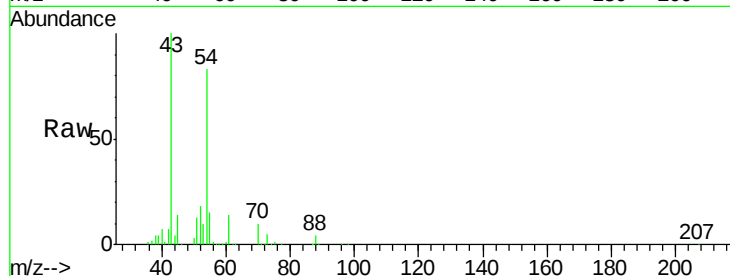




#37
Ethyl Acetate
Concen: 57.871 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

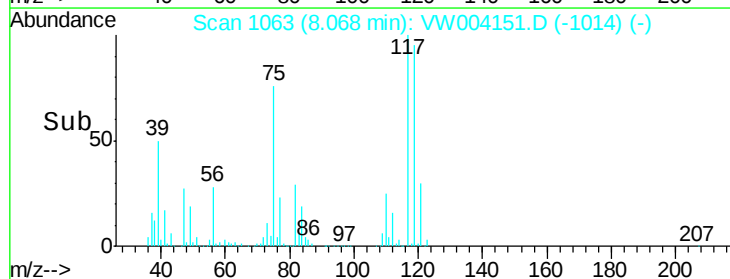
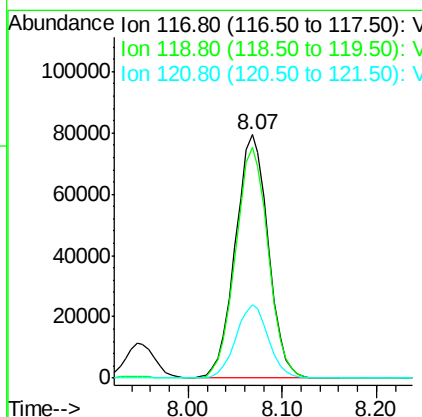
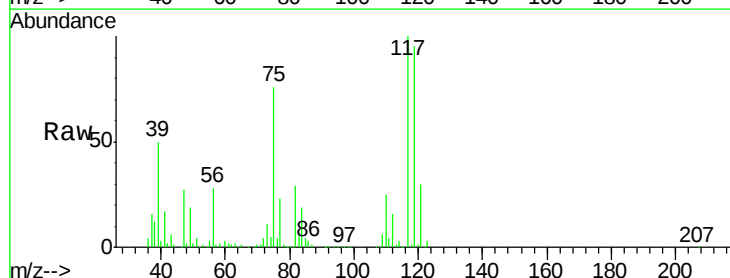
Instrument :
MSVOA_W
ClientSampleId :

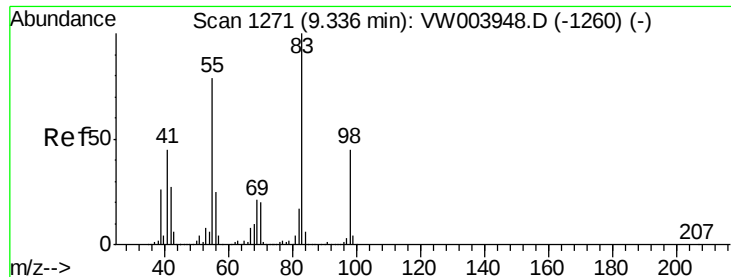
Tot Ion: 43 Resp: 114710
Ion Ratio Lower Upper
43 100
61 13.3 10.7 16.1
70 9.5 7.7 11.5



#38
Carbon Tetrachloride
Concen: 50.302 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

Tgt Ion: 117 Resp: 193153
Ion Ratio Lower Upper
117 100
119 94.8 75.3 112.9
121 30.2 26.0 39.0

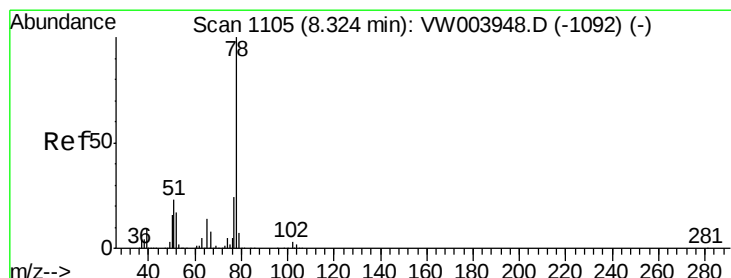
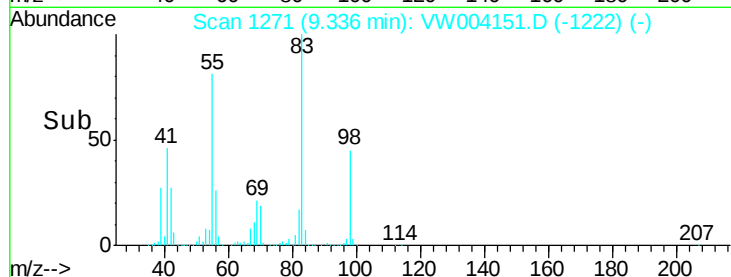
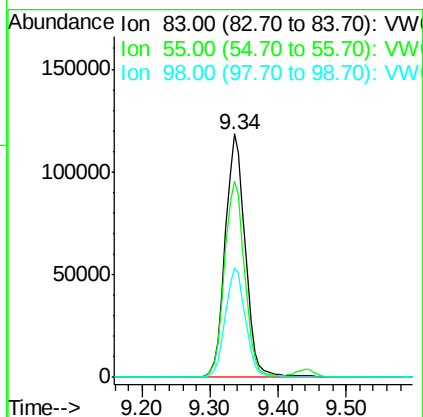
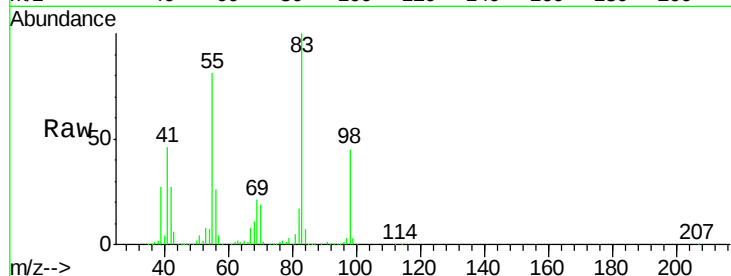




#39
Methvlcvclohexane
Concen: 50.492 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

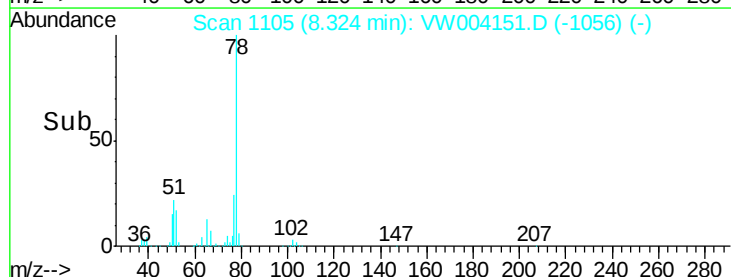
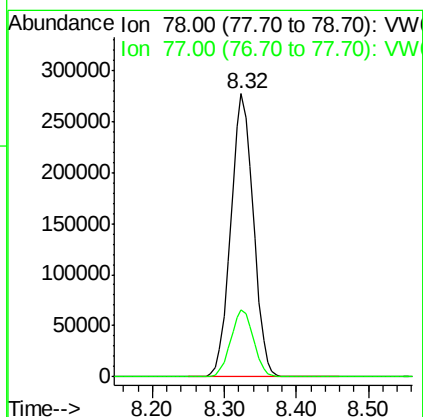
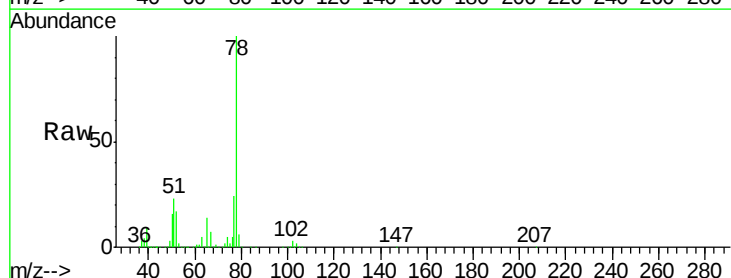
Instrument :
MSVOA_W
ClientSampleId :

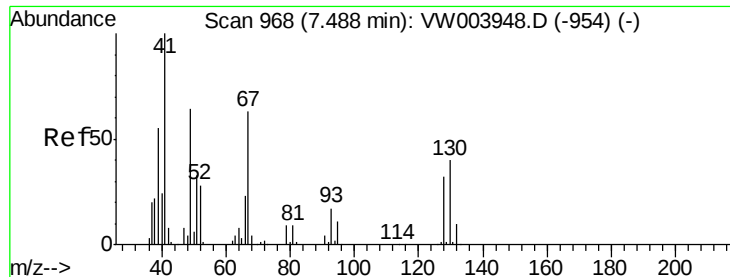
Tot Ion	83	Resp	243008
Ion	Ratio	Lower	Upper
83	100		
55	80.6	62.8	94.2
98	45.0	36.2	54.4



#40
Benzene
Concen: 52.893 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

Tgt Ion	78	Resp	603054
Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.5	29.3





#41

Methacrylonitrile

Concen: 60.725 ug/l

RT: 7.49 min Scan# 968

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 66695

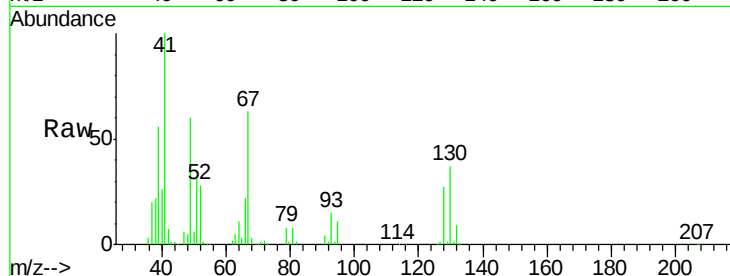
Ion Ratio Lower Upper

41 100

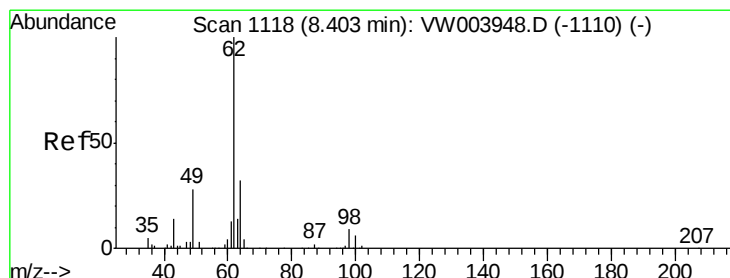
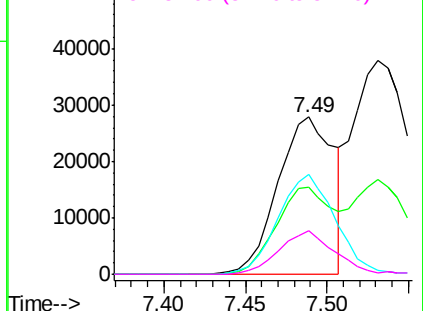
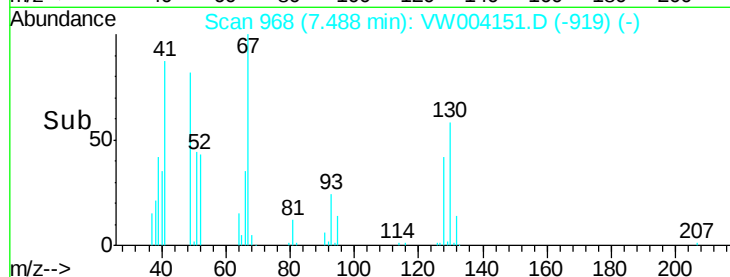
39 55.6 50.0 75.0

67 65.1 60.8 91.2

52 27.5 26.2 39.4



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: 53.691 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW004151.D

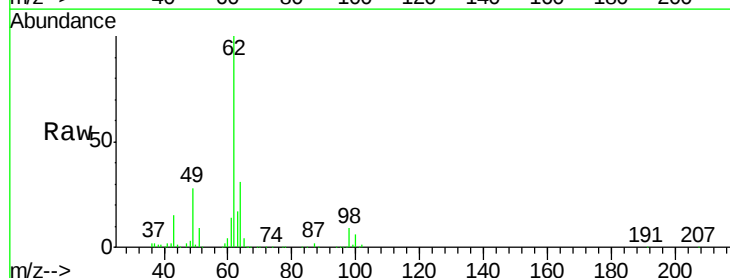
Acq: 23 Jul 2018 21:15

Tgt Ion: 62 Resp: 186754

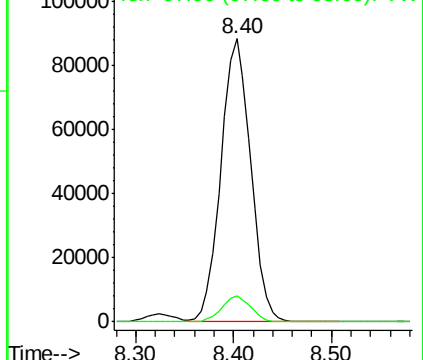
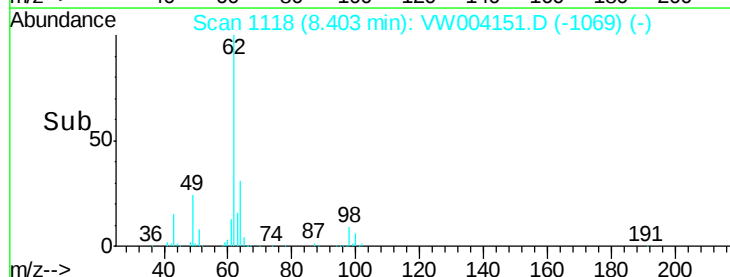
Ion Ratio Lower Upper

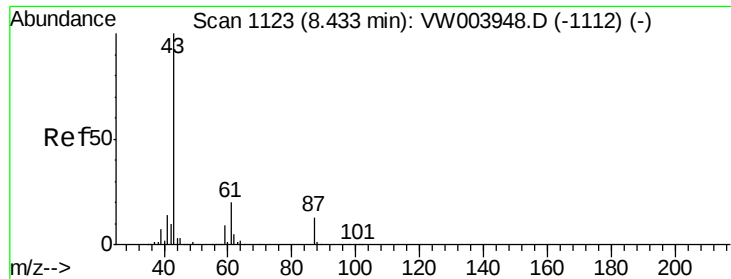
62 100

98 8.9 0.0 17.4



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





#43

Isopropyl Acetate

Concen: 56.344 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampleId :

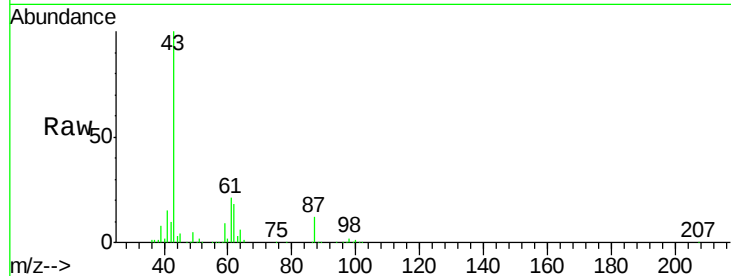
Tot Ion: 43 Resp: 208885

Ion Ratio Lower Upper

43 100

61 28.8 23.0 34.6

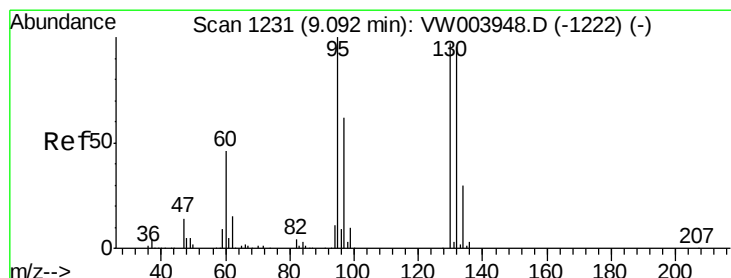
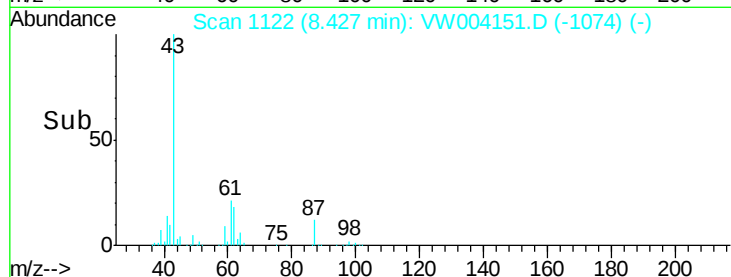
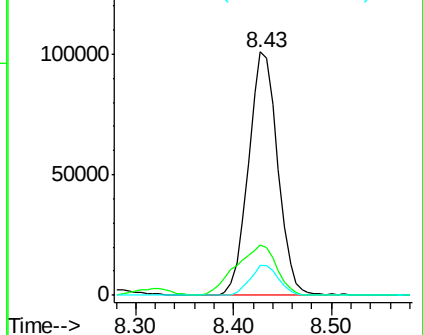
87 12.1 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 51.139 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW004151.D

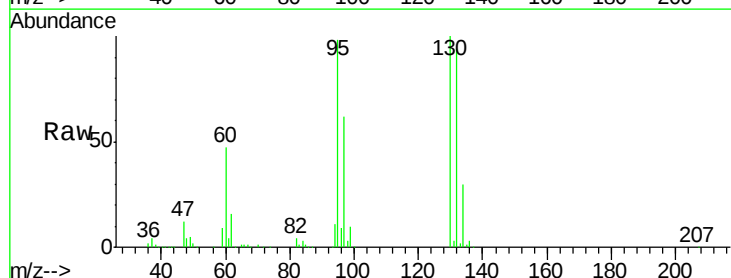
Acq: 23 Jul 2018 21:15

Tgt Ion:130 Resp: 151137

Ion Ratio Lower Upper

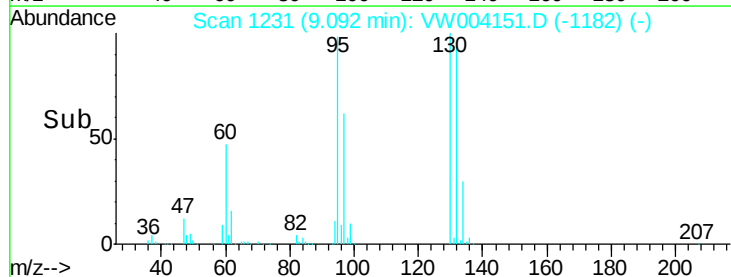
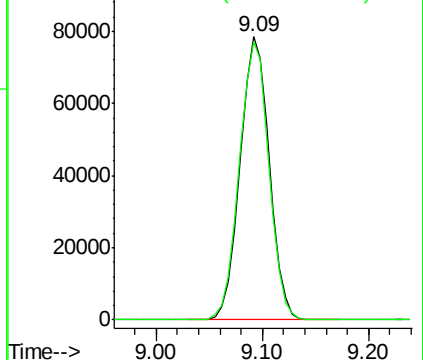
130 100

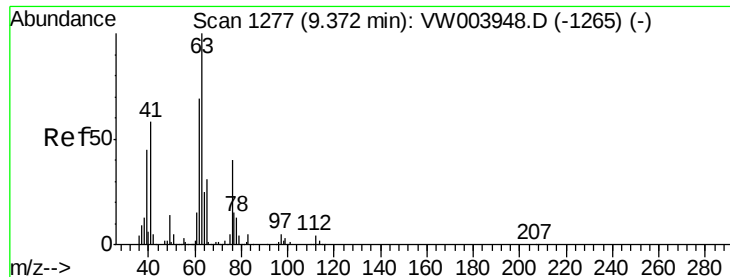
95 98.5 0.0 206.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

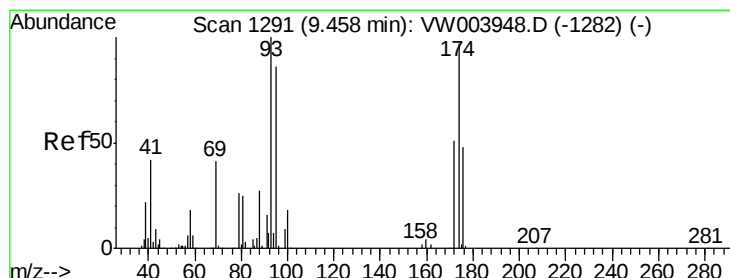
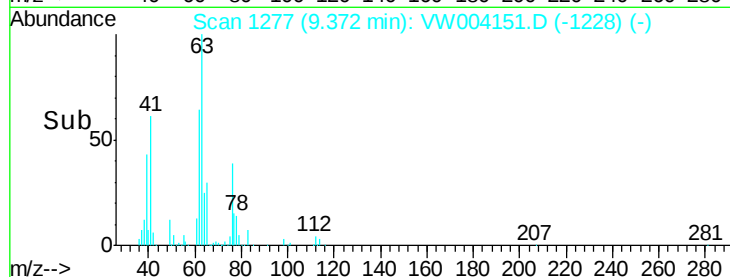
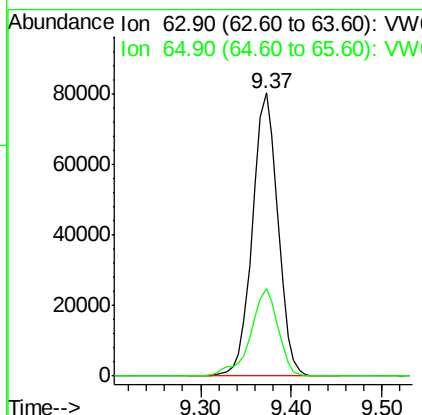
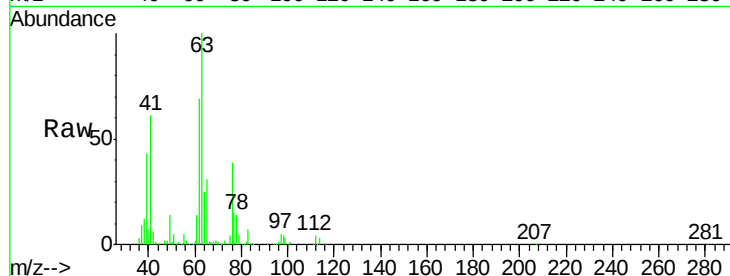




#45
 1,2-Dichloropropane
 Concen: 53.805 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004151.D
 Acq: 23 Jul 2018 21:15

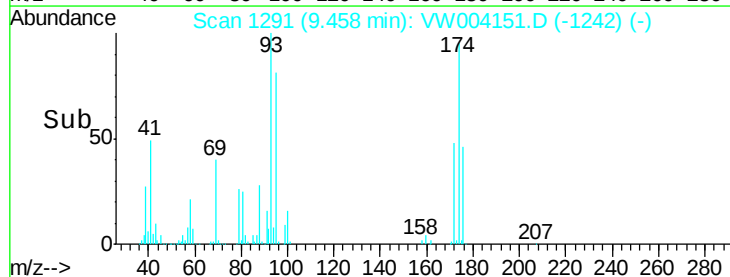
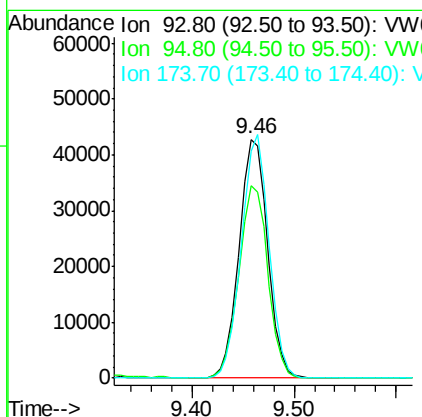
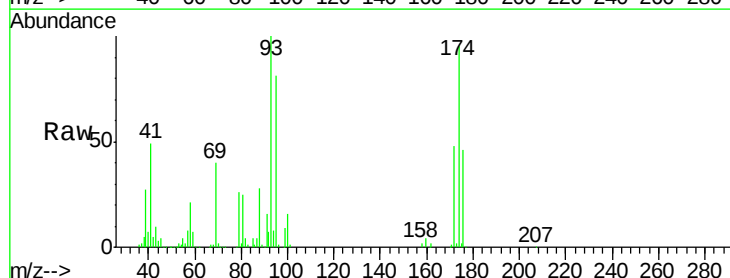
Instrument :
 MSVOA_W
 ClientSampleId :

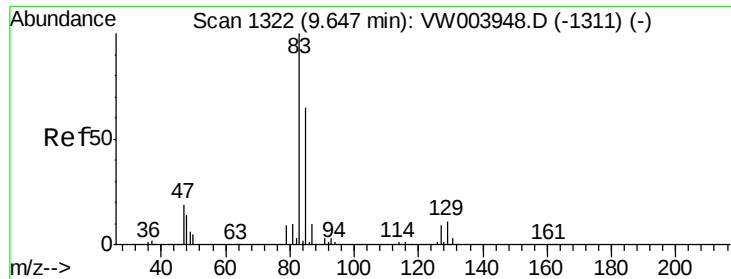
Tot Ion: 63 Resp: 156571
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.8 37.2



#46
 Dibromomethane
 Concen: 54.837 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VW004151.D
 Acq: 23 Jul 2018 21:15

Tgt Ion: 93 Resp: 82804
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.9 100.3
 174 99.4 80.2 120.2





#47

Bromodichloromethane

Concen: 53.319 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :
MSVOA_W
ClientSampled :

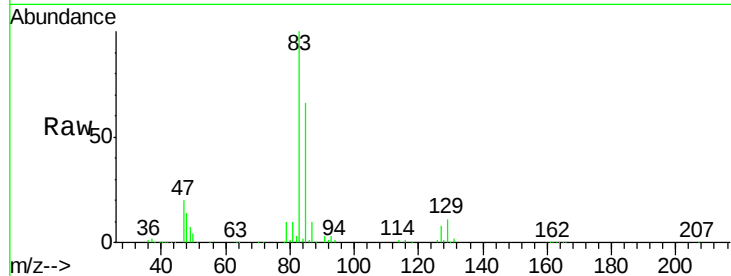
Tot Ion: 83 Resp: 198480

Ion Ratio Lower Upper

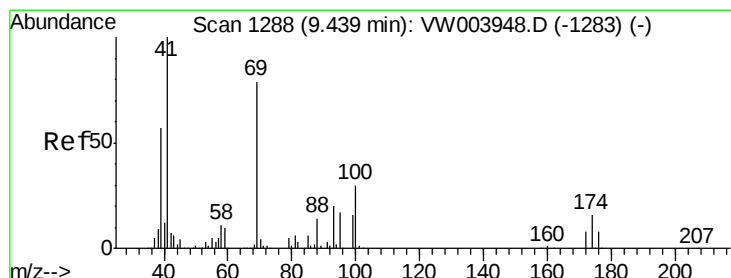
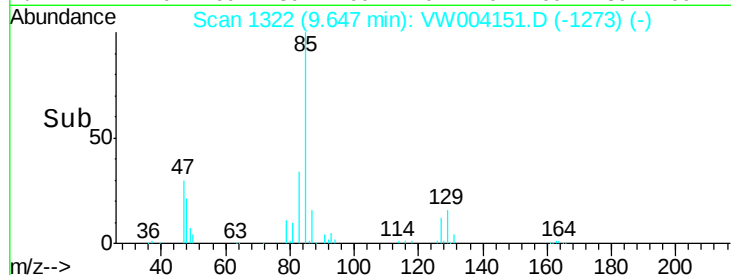
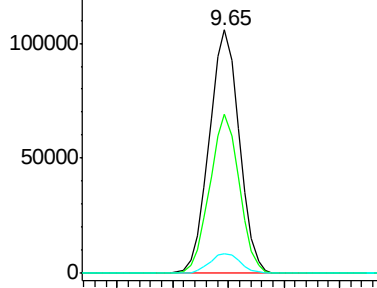
83 100

85 65.5 52.2 78.2

127 8.1 7.0 10.4



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



#48

Methyl methacrylate

Concen: 58.083 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

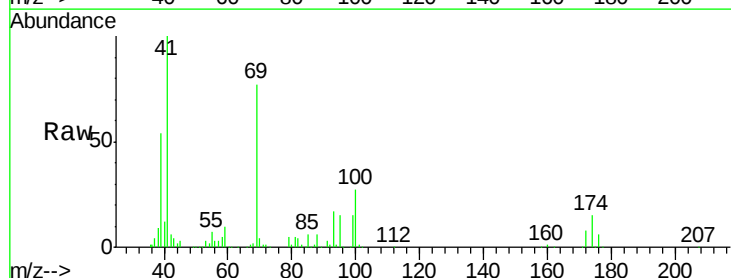
Tgt Ion: 41 Resp: 104140

Ion Ratio Lower Upper

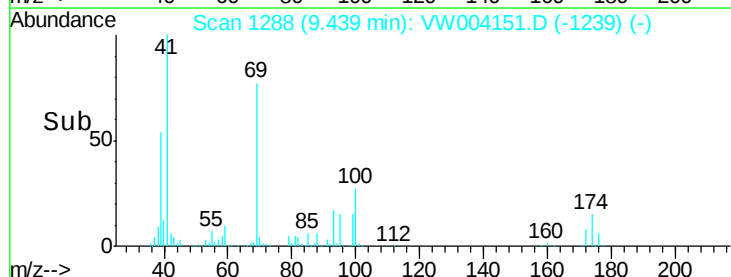
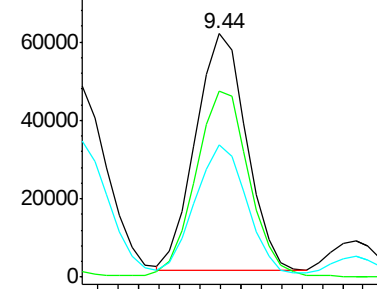
41 100

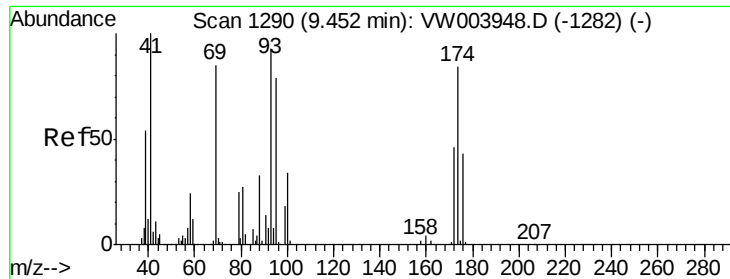
69 82.8 67.0 100.6

39 58.2 48.8 73.2



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

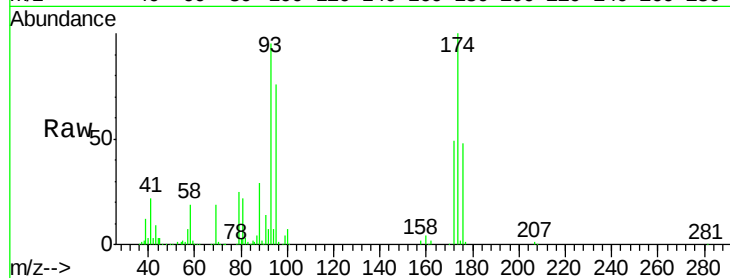




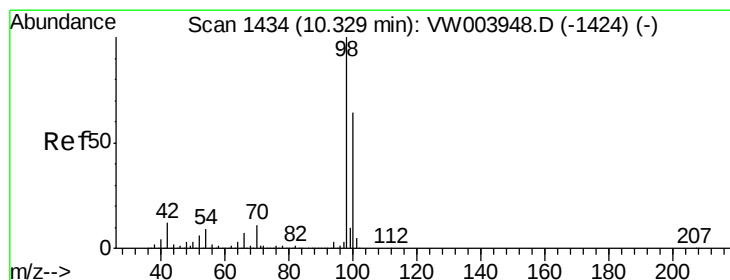
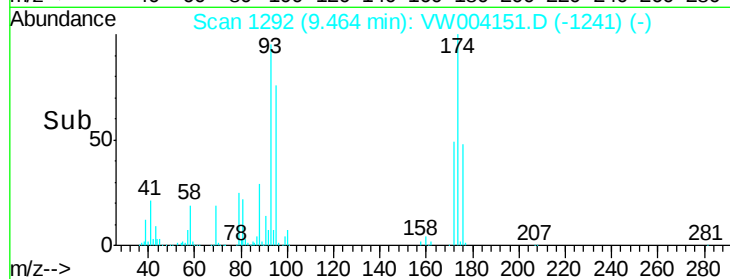
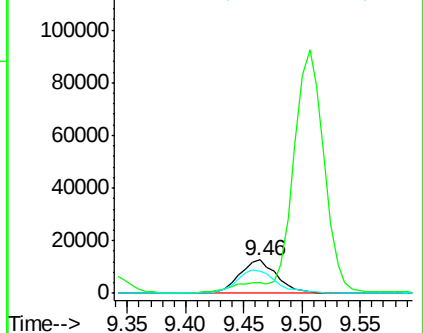
#49
1,4-Dioxane
Concen: 1224.202 ug/l
RT: 9.46 min Scan# 1292
Delta R.T. 0.01 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 28415
Ion Ratio Lower Upper
88 100
43 30.8 27.3 40.9
58 75.4 61.1 91.7

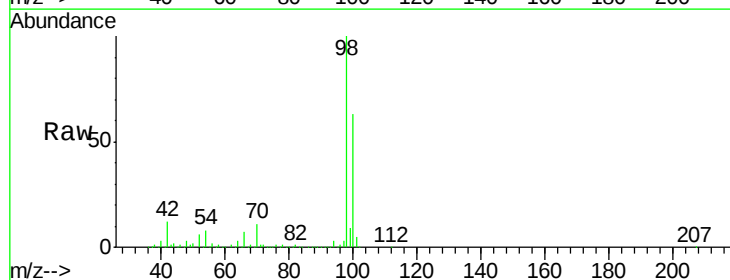


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

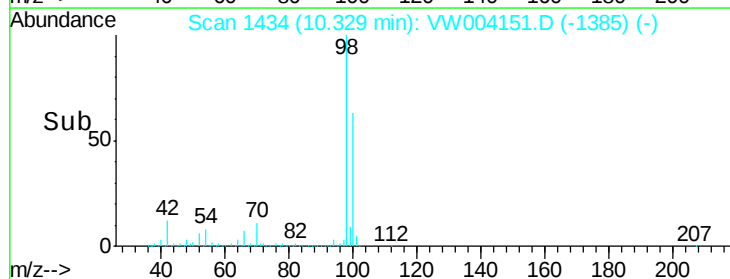
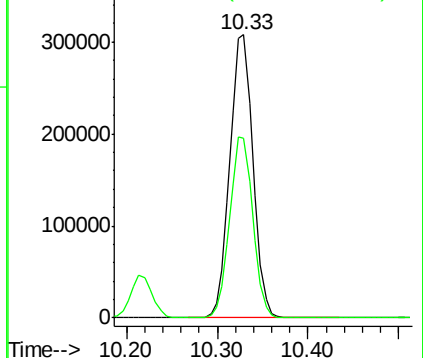


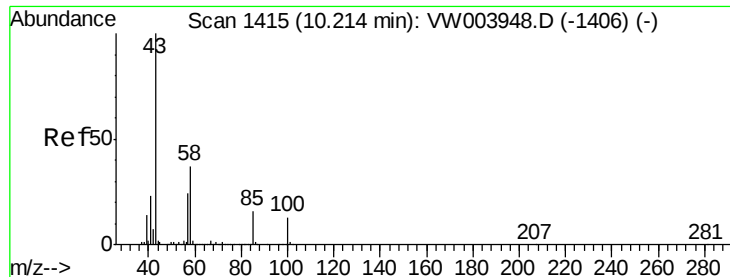
#50
Toluene-d8
Concen: 54.620 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

Tgt Ion: 98 Resp: 543158
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8



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

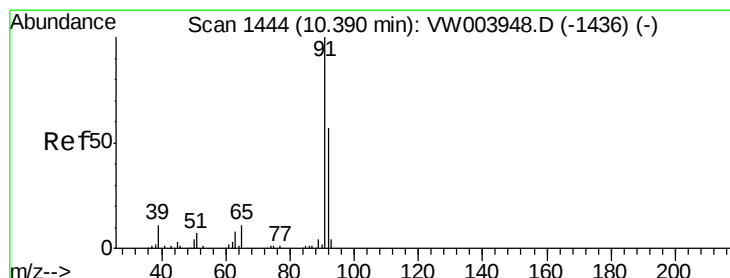
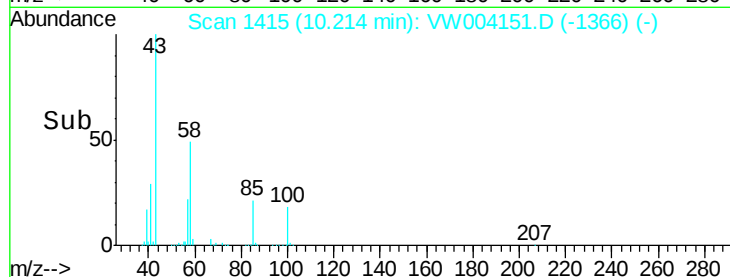
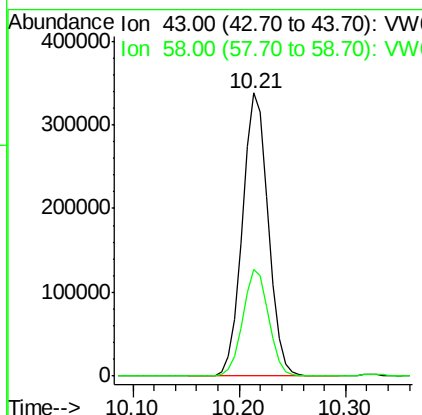
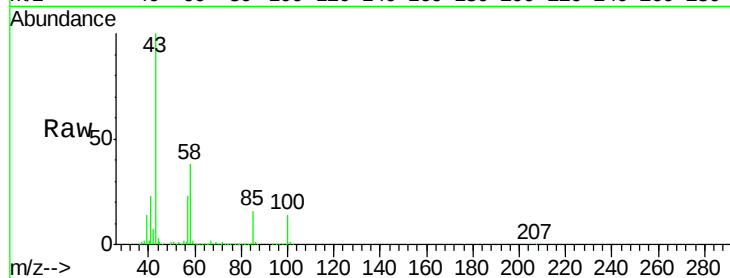




#51
 4-Methyl-2-Pentanone
 Concen: 292.070 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VW004151.D
 Acq: 23 Jul 2018 21:15

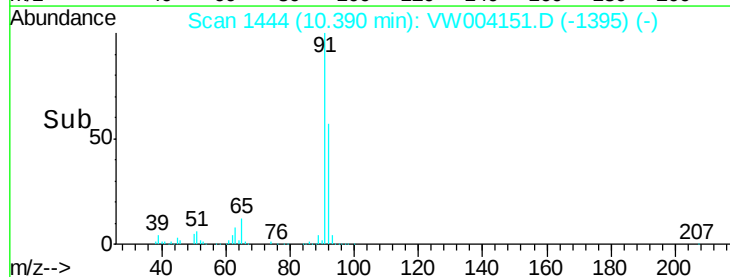
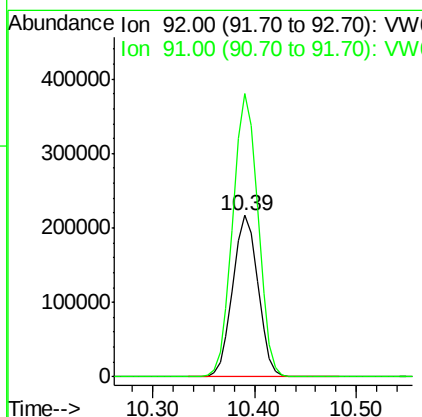
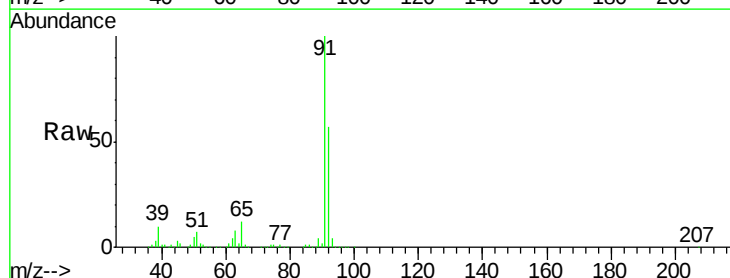
Instrument :
 MSVOA_W
 ClientSampleId :

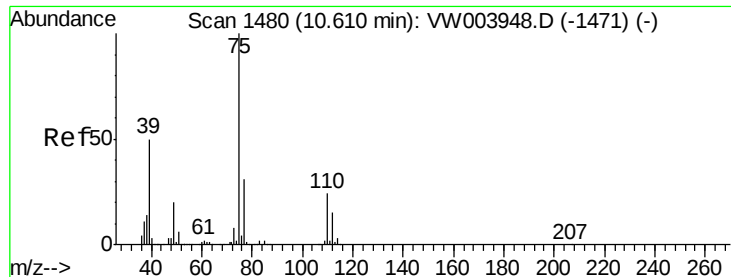
Tot Ion: 43 Resp: 576881
 Ion Ratio Lower Upper
 43 100
 58 37.5 29.9 44.9



#52
 Toluene
 Concen: 52.593 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VW004151.D
 Acq: 23 Jul 2018 21:15

Tgt Ion: 92 Resp: 370793
 Ion Ratio Lower Upper
 92 100
 91 174.8 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 52.169 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :

MSVOA_W

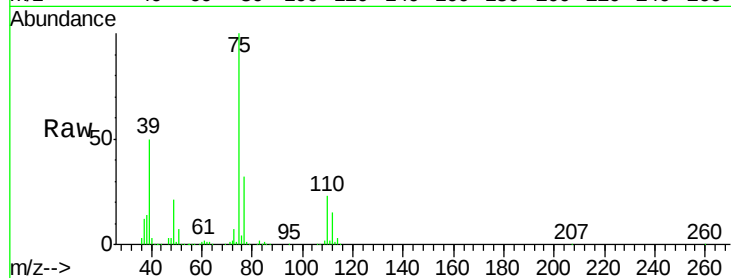
ClientSampleId :

Tot Ion: 75 Resp: 203075

Ion Ratio Lower Upper

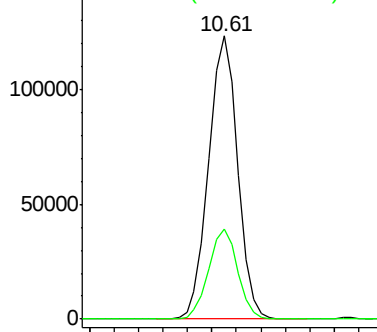
75 100

77 31.8 25.2 37.8

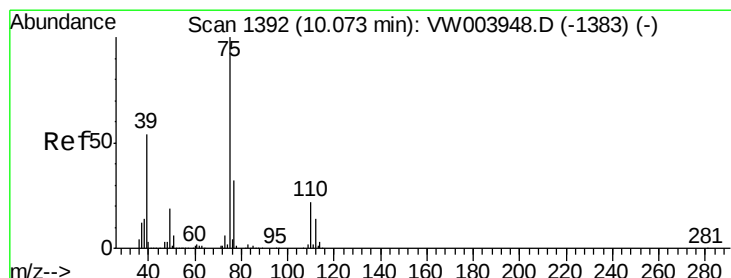
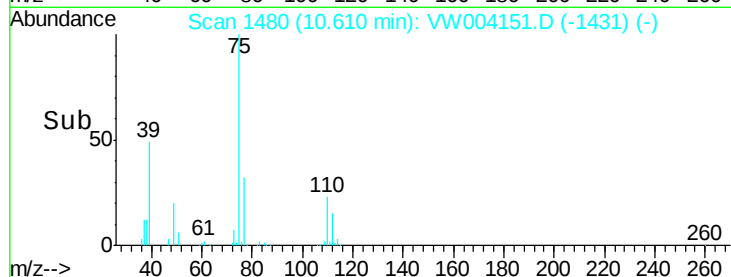


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 51.856 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

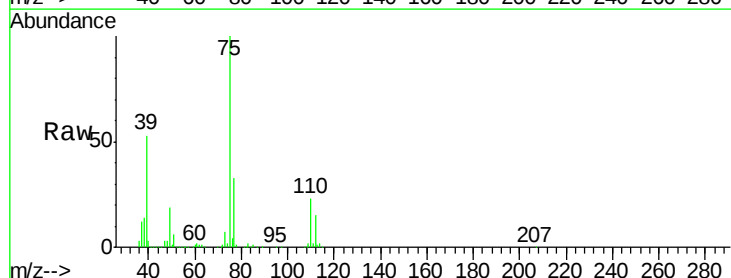
Tgt Ion: 75 Resp: 230917

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.2

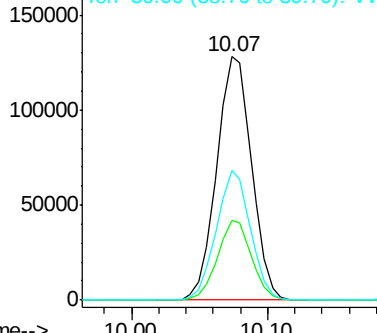
39 53.4 43.0 64.6



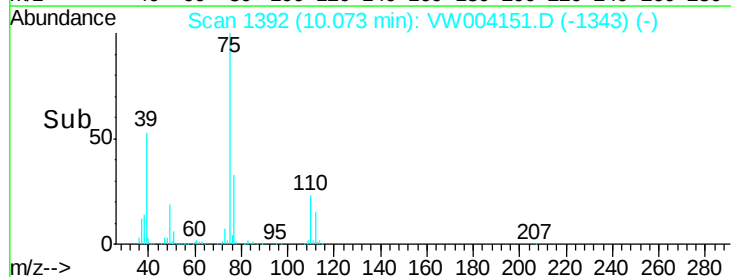
Abundance Ion 74.90 (74.60 to 75.60): VW

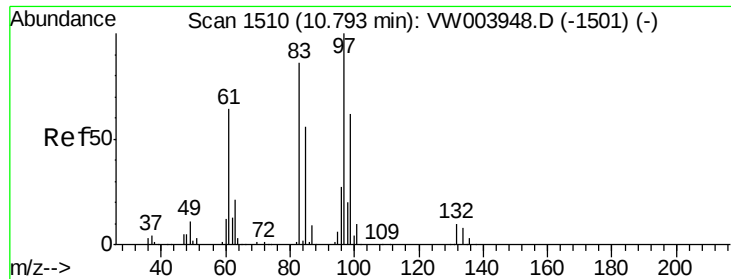
Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW



Time--> 10.00 10.10





#55

1,1,2-Trichloroethane

Concen: 54.340 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 115401

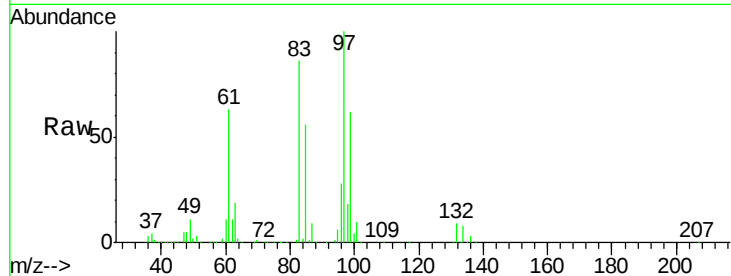
Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.0	103.4
85	55.7	45.0	67.6
99	61.6	49.9	74.9

97 100

83 86.3 69.0 103.4

85 55.7 45.0 67.6

99 61.6 49.9 74.9



Abundance

Ion 96.90 (96.60 to 97.60): VW

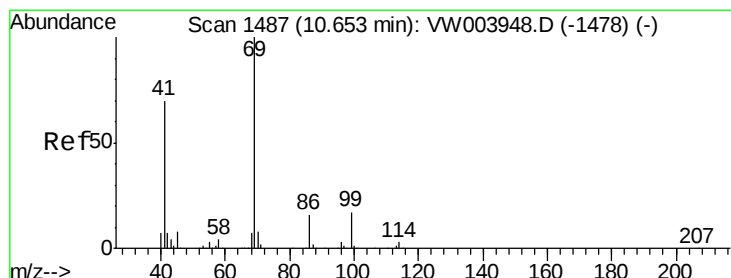
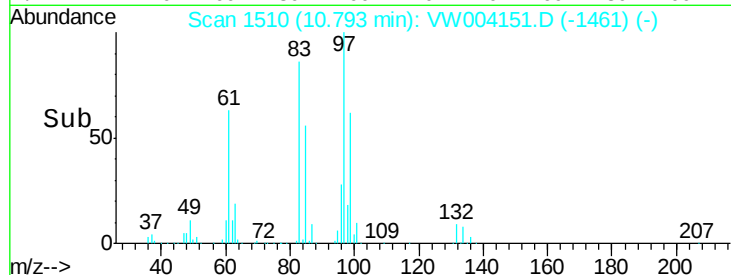
Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

10.79

Time-->



#56

Ethyl methacrylate

Concen: 52.328 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

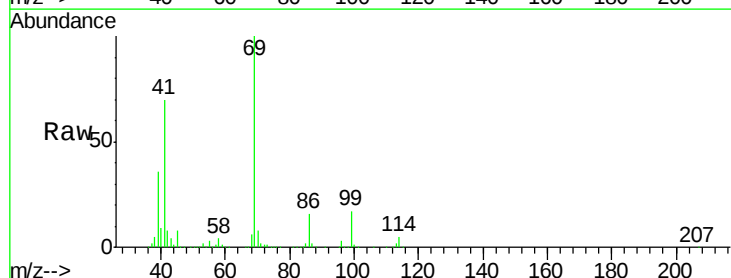
Tgt Ion: 69 Resp: 159399

Ion	Ratio	Lower	Upper
69	100		
41	71.4	56.5	84.7
39	37.8	30.2	45.4

69 100

41 71.4 56.5 84.7

39 37.8 30.2 45.4



Abundance

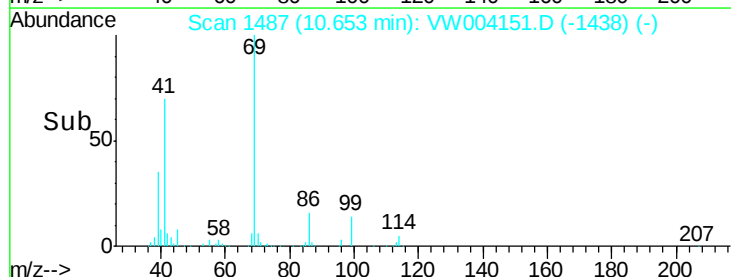
Ion 69.00 (68.70 to 69.70): VW

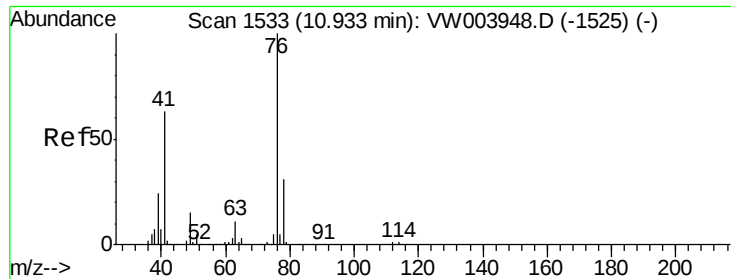
Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

10.65

Time-->

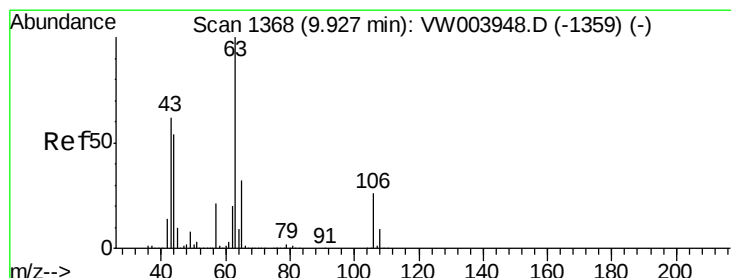
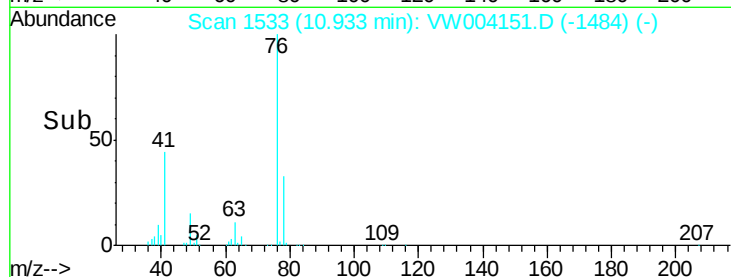
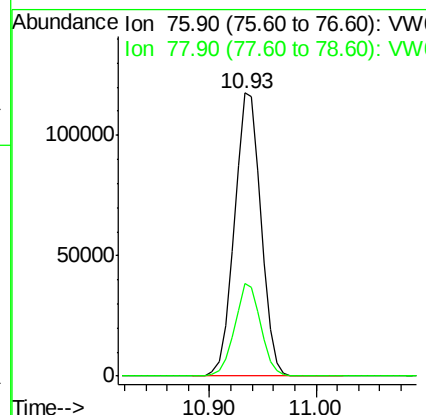
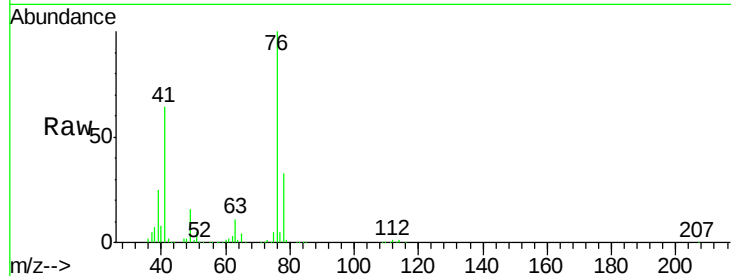




#57
 1,3-Dichloropropane
 Concen: 55.728 ug/l
 RT: 10.93 min Scan# 1533
 Delta R.T. -0.00 min
 Lab File: VW004151.D
 Acq: 23 Jul 2018 21:15

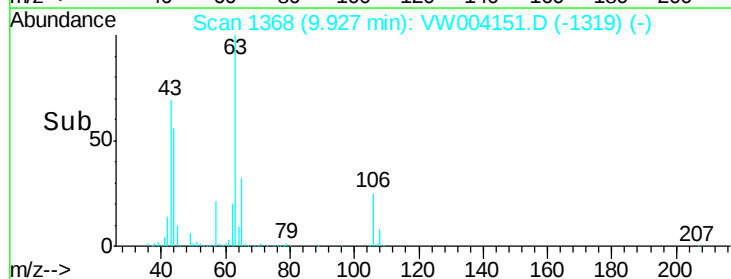
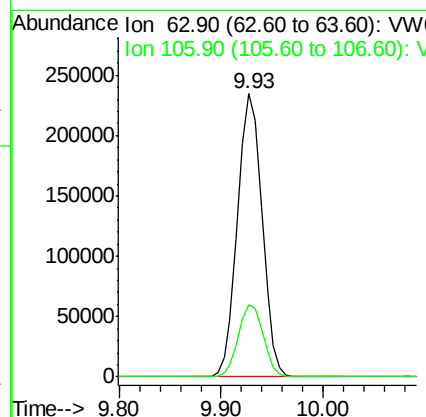
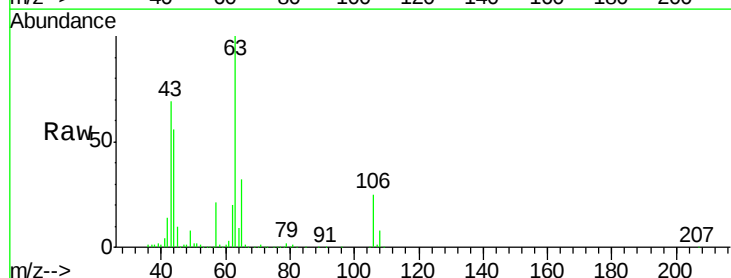
Instrument :
 MSVOA_W
 ClientSampled :

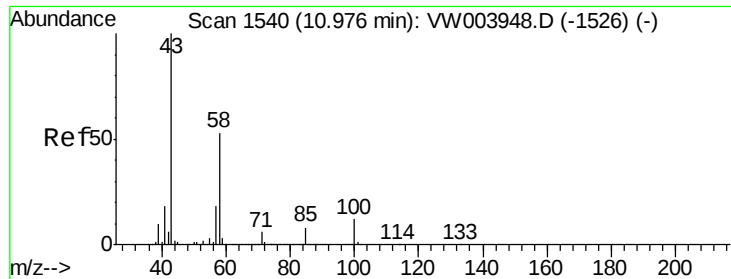
Tot Ion: 76 Resp: 205621
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 309.922 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW004151.D
 Acq: 23 Jul 2018 21:15

Tgt Ion: 63 Resp: 390458
 Ion Ratio Lower Upper
 63 100
 106 25.9 21.2 31.8

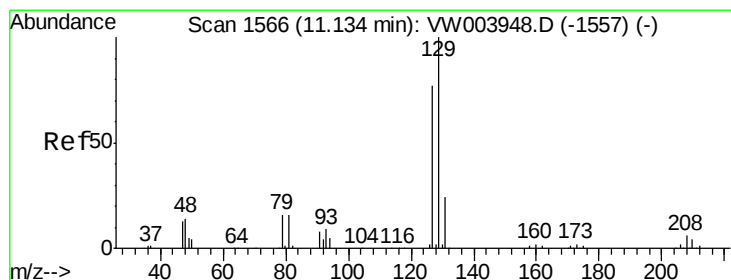
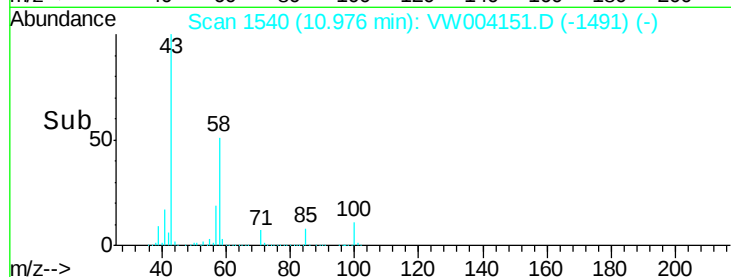
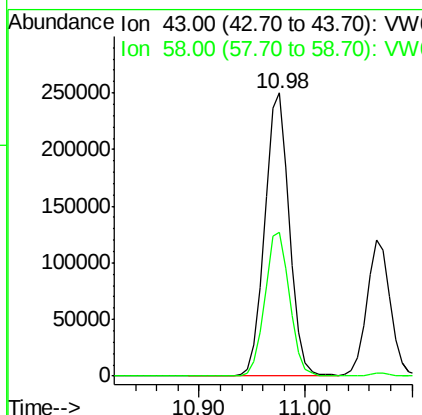
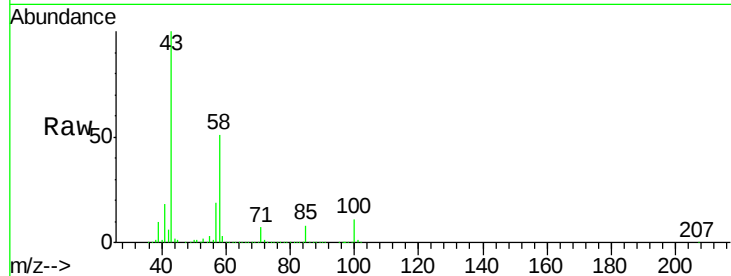




#59
2-Hexanone
Concen: 289.120 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

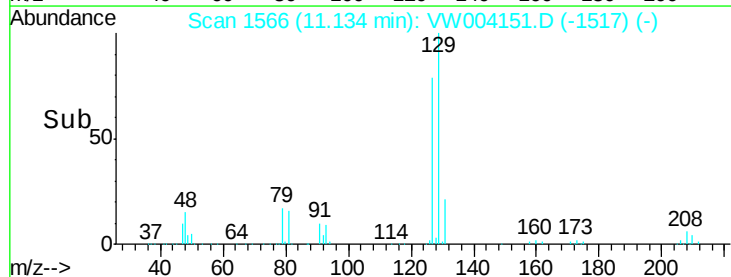
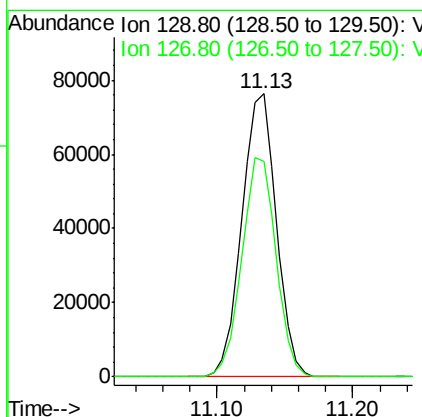
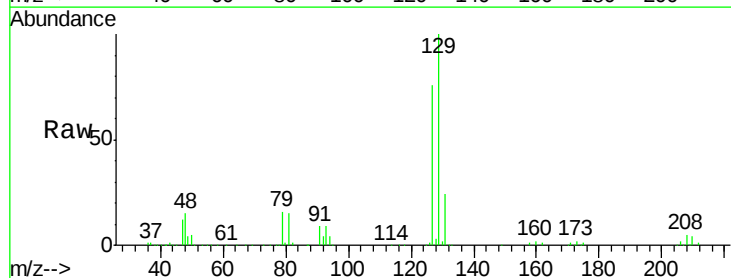
Instrument :
MSVOA_W
ClientSampled :

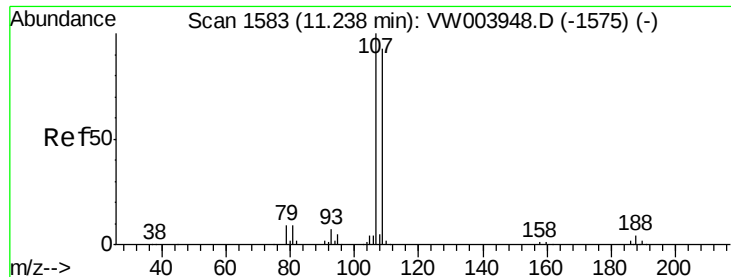
Tot Ion: 43 Resp: 402486
Ion Ratio Lower Upper
43 100
58 51.4 26.0 78.0



#60
Dibromochloromethane
Concen: 54.812 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

Tgt Ion: 129 Resp: 135560
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.3

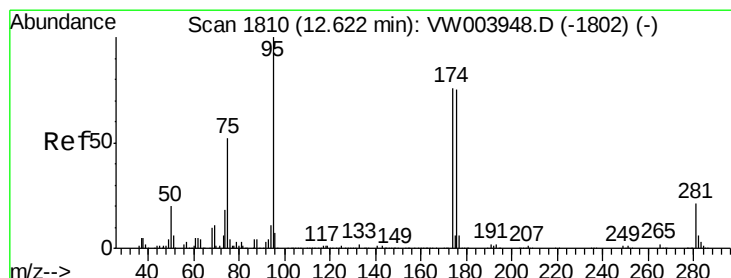
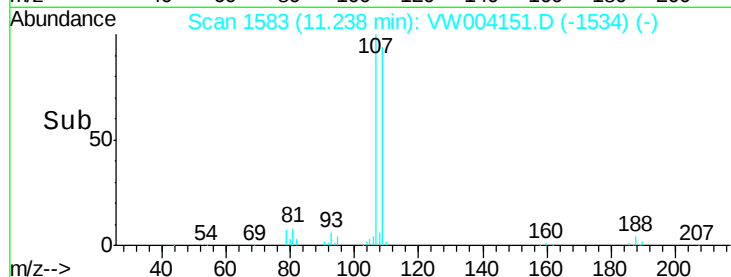
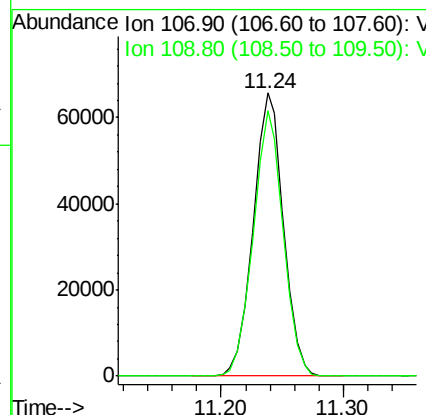
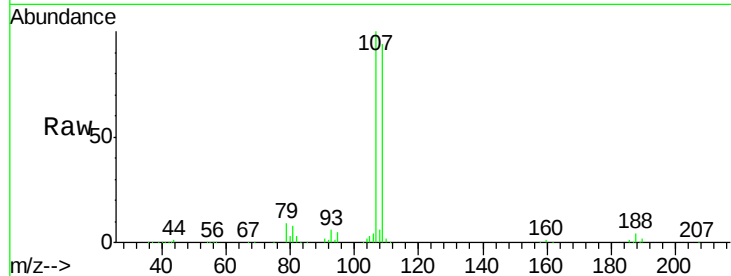




#61
 1,2-Dibromoethane
 Concen: 55.761 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW004151.D
 Acq: 23 Jul 2018 21:15

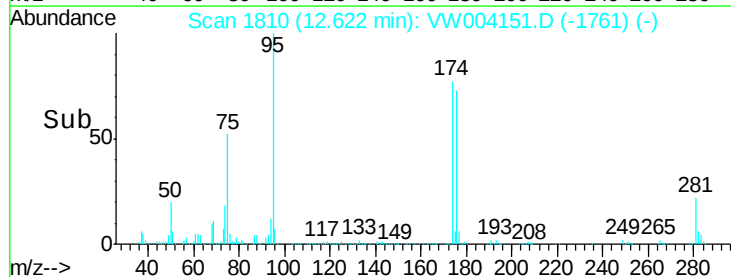
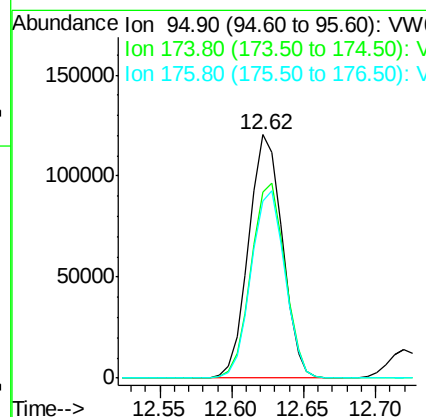
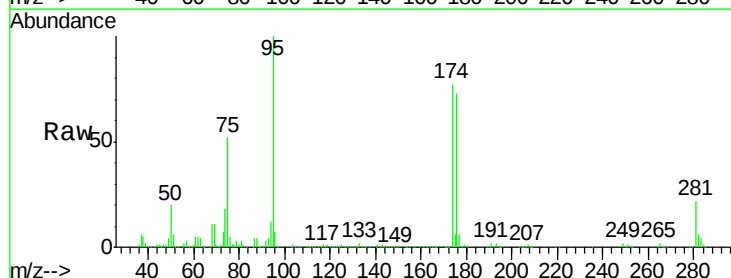
Instrument :
 MSVOA_W
 ClientSampleId :

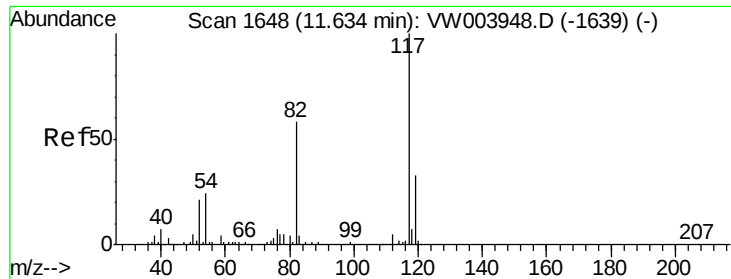
Tot Ion:107 Resp: 112678
 Ion Ratio Lower Upper
 107 100
 109 93.2 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 54.291 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW004151.D
 Acq: 23 Jul 2018 21:15

Tgt Ion: 95 Resp: 194684
 Ion Ratio Lower Upper
 95 100
 174 80.7 0.0 160.2
 176 77.3 0.0 155.8

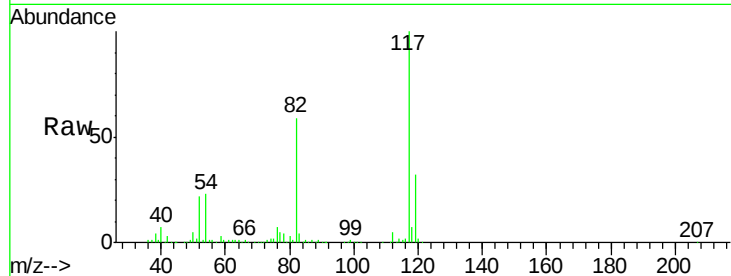




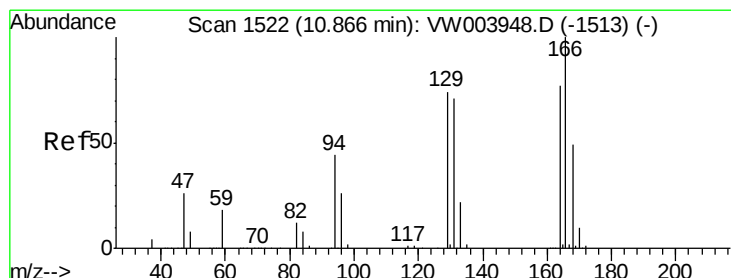
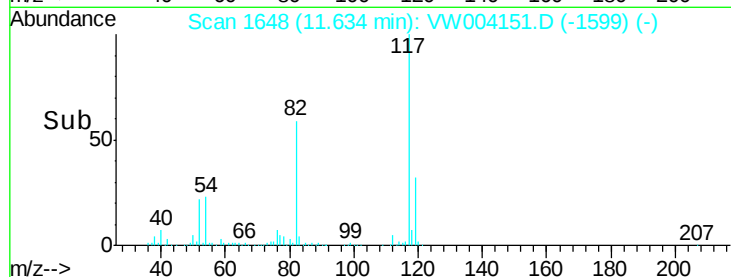
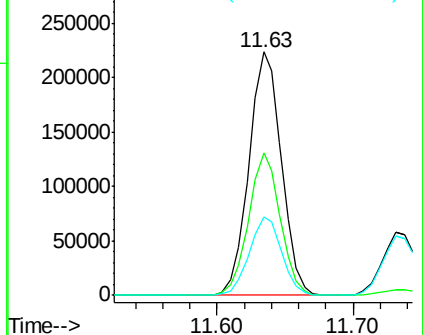
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 374591
Ion Ratio Lower Upper
117 100
82 58.5 46.5 69.7
119 32.1 26.2 39.2

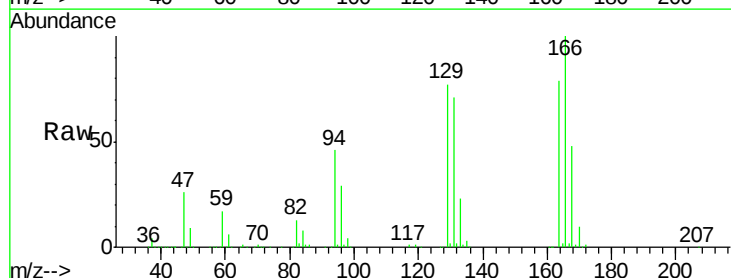


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

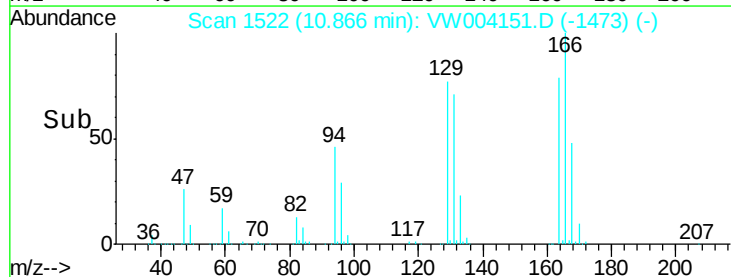
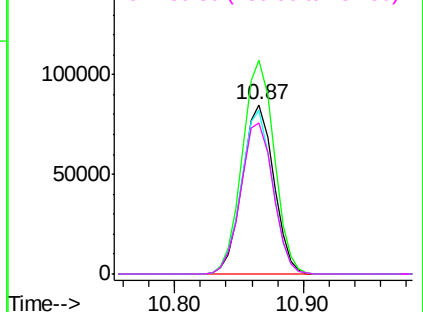


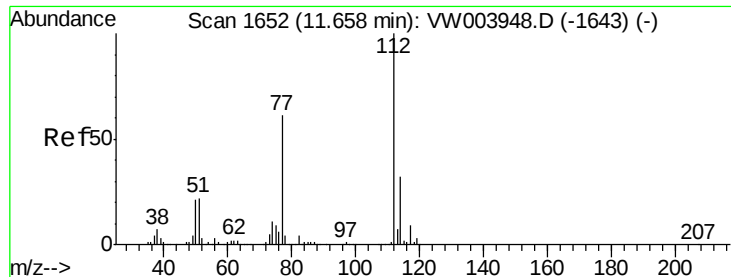
#64
Tetrachloroethene
Concen: 55.972 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

Tgt Ion:164 Resp: 143861
Ion Ratio Lower Upper
164 100
166 126.2 103.5 155.3
129 96.8 76.8 115.2
131 89.2 73.2 109.8



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





#65

Chlorobenzene

Concen: 50.960 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :

MSVOA_W

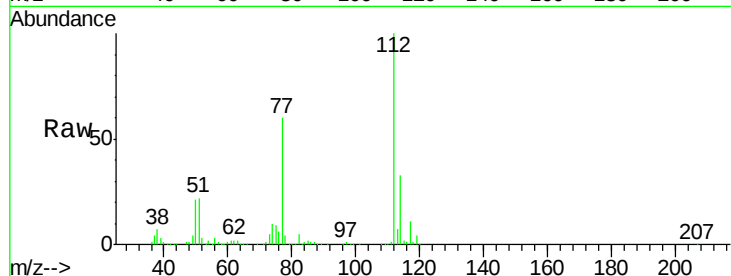
ClientSampled :

Tot Ion:112 Resp: 405909

Ion Ratio Lower Upper

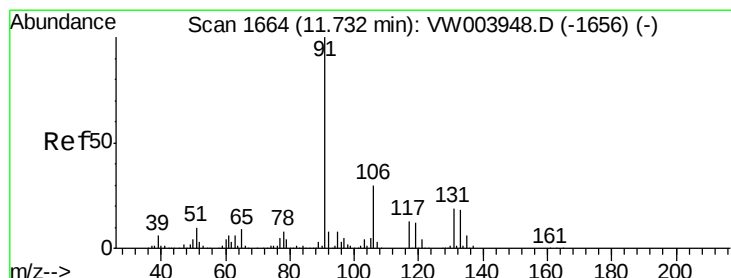
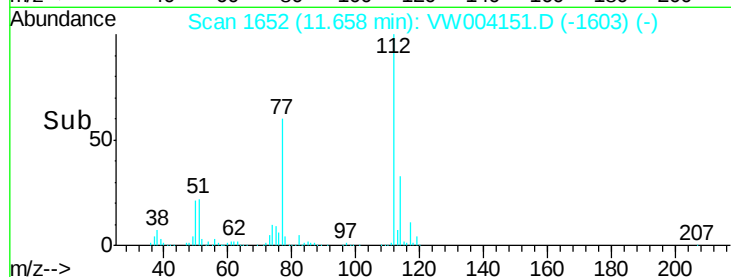
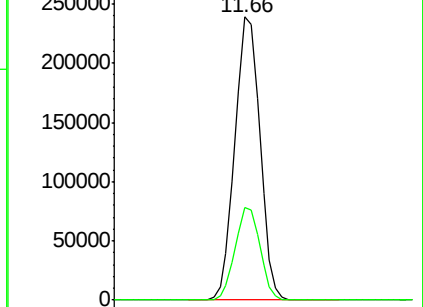
112 100

114 32.7 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.695 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

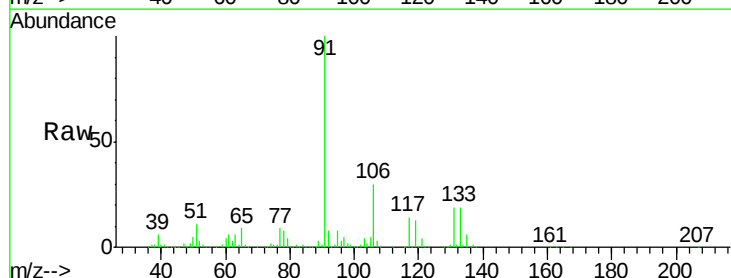
Tgt Ion:131 Resp: 143090

Ion Ratio Lower Upper

131 100

133 96.1 47.9 143.8

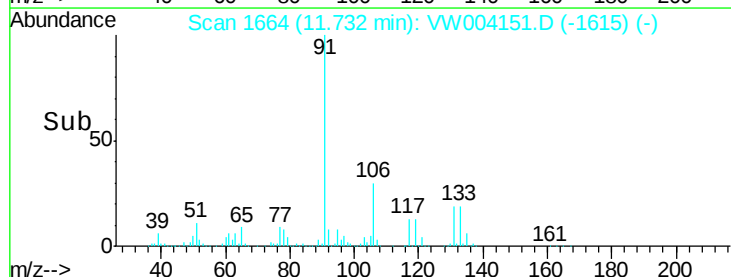
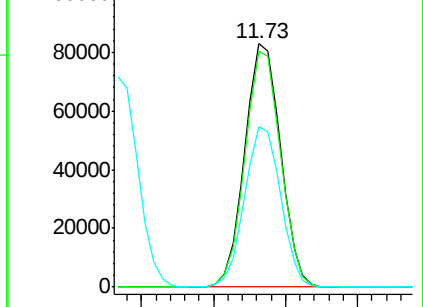
119 66.0 32.5 97.5

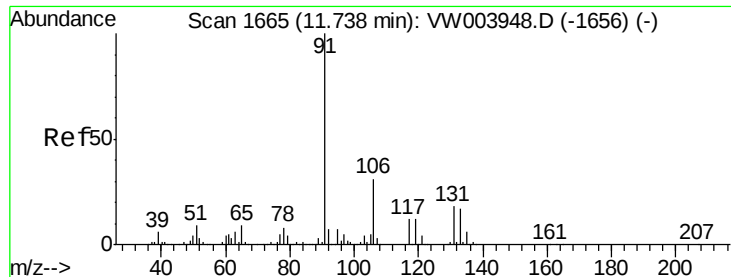


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

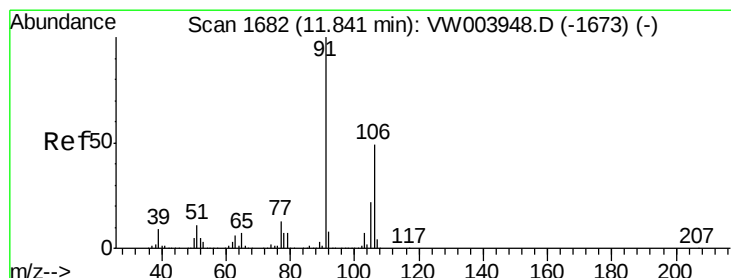
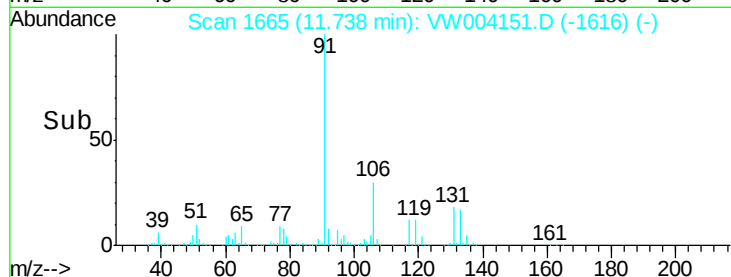
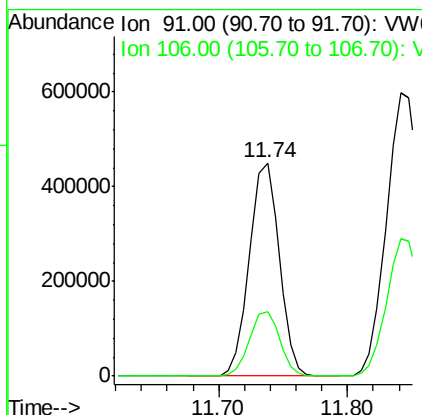
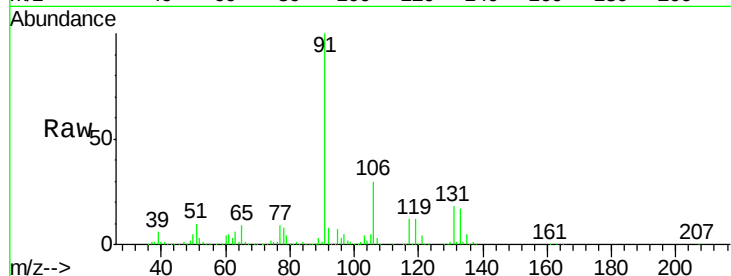




#67
Ethyl Benzene
Concen: 51.484 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

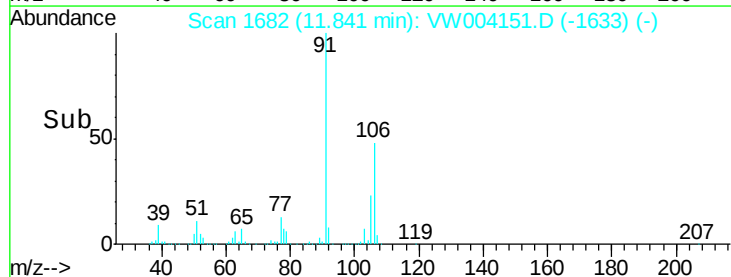
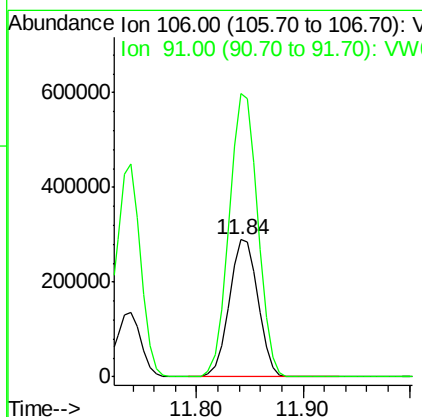
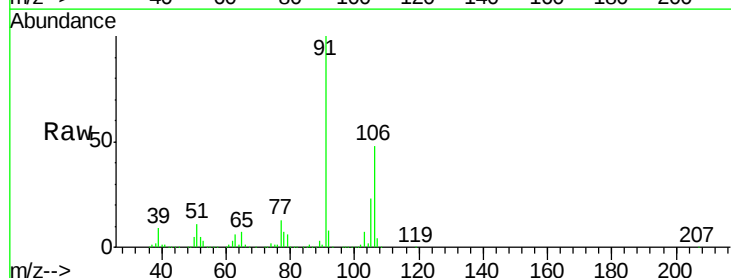
Instrument :
MSVOA_W
ClientSampled :

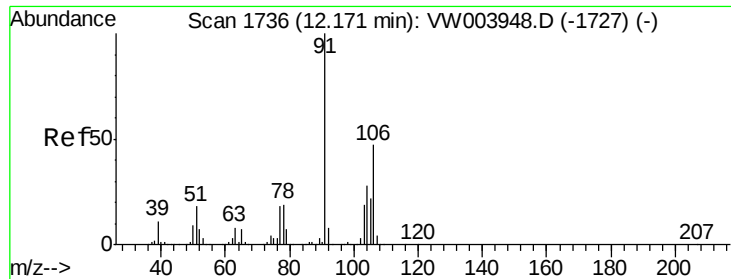
Tot Ion: 91 Resp: 720382
Ion Ratio Lower Upper
91 100
106 30.2 25.0 37.4



#68
m/p-Xylenes
Concen: 102.469 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

Tgt Ion: 106 Resp: 547997
Ion Ratio Lower Upper
106 100
91 205.8 164.2 246.2

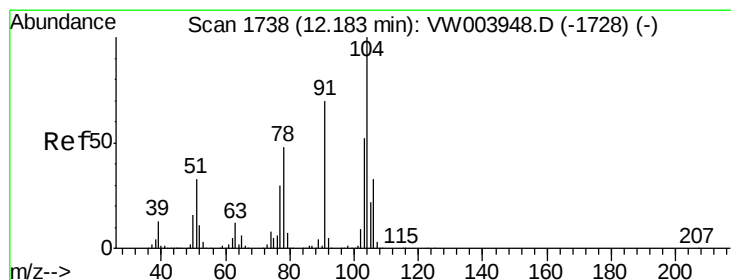
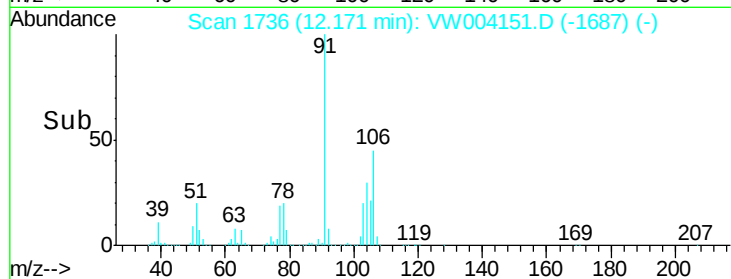
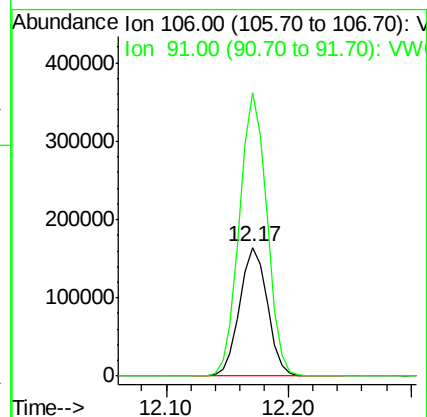
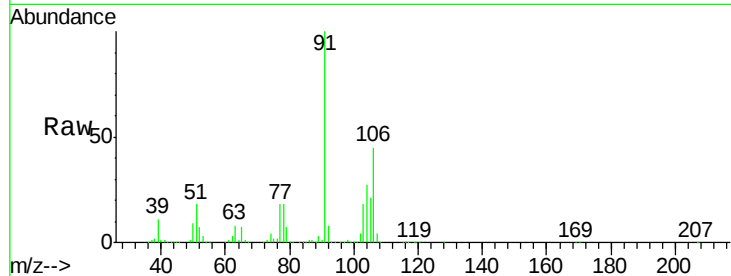




#69
o-Xylene
Concen: 51.636 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

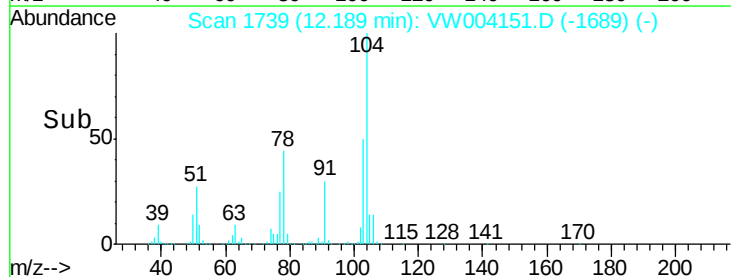
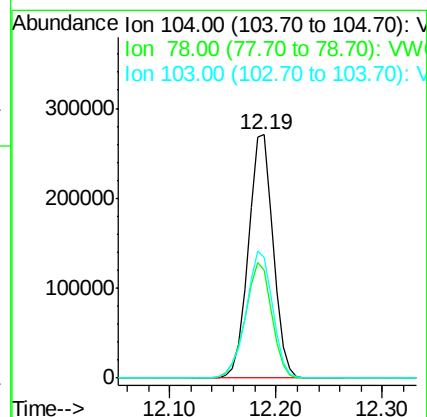
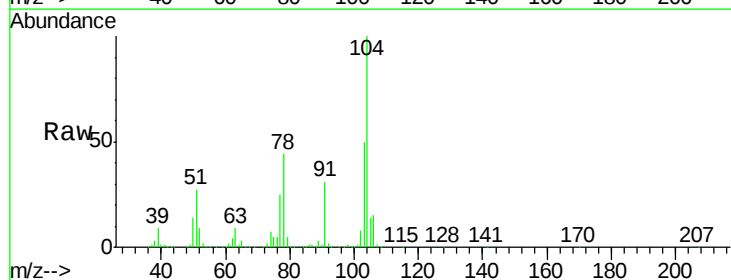
Instrument :
MSVOA_W
ClientSampled :

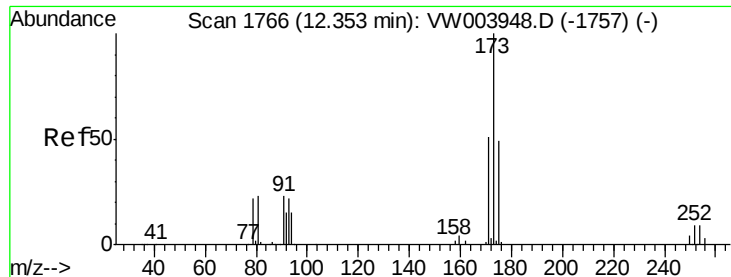
Tot Ion:106 Resp: 256158
Ion Ratio Lower Upper
106 100
91 219.0 107.5 322.6



#70
Styrene
Concen: 53.500 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

Tgt Ion:104 Resp: 443301
Ion Ratio Lower Upper
104 100
78 50.9 41.0 61.4
103 55.8 44.6 67.0





#71

Bromoform

Concen: 53.068 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampleId :

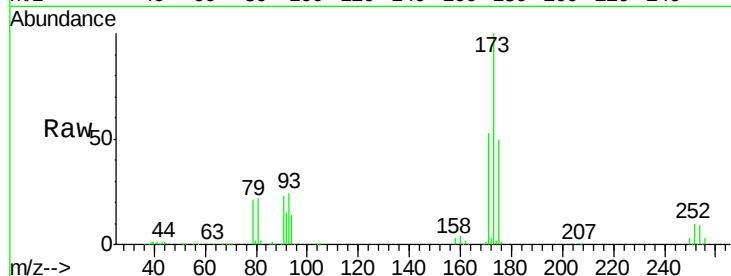
Tot Ion:173 Resp: 82934

Ion Ratio Lower Upper

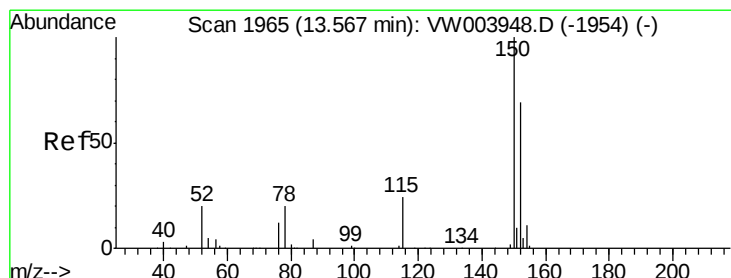
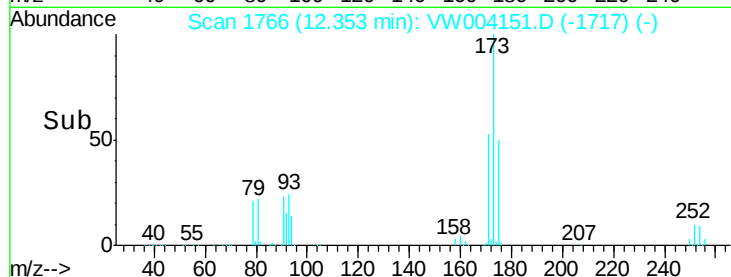
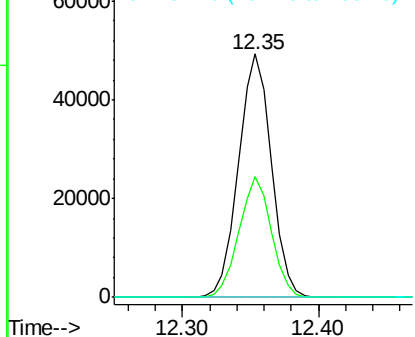
173 100

175 48.8 24.4 73.2

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# 1965

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

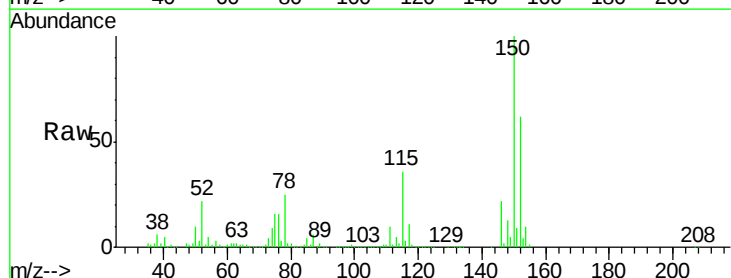
Tgt Ion:152 Resp: 192567

Ion Ratio Lower Upper

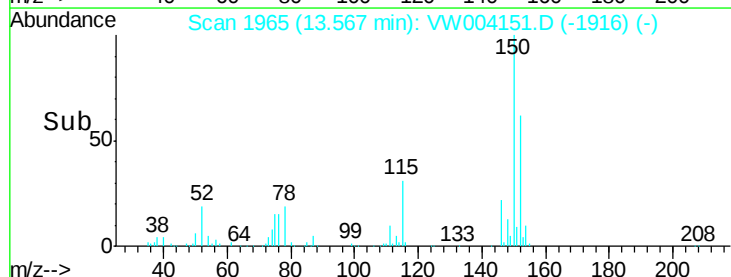
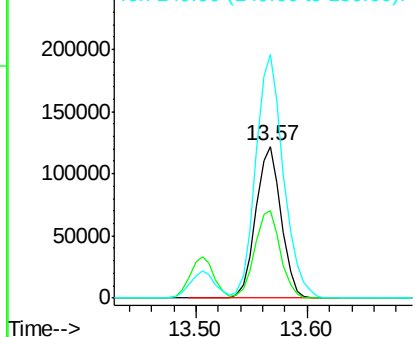
152 100

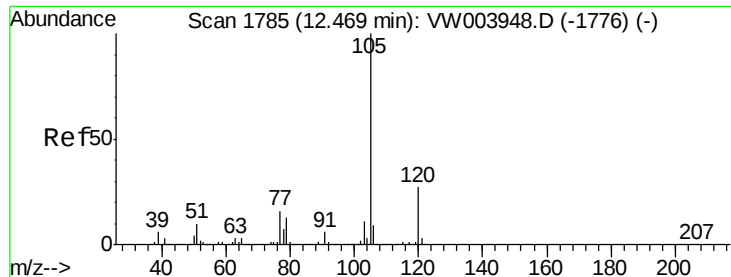
115 58.5 29.2 87.6

150 175.9 0.0 345.2



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





#73

Isopropylbenzene

Concen: 51.422 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :

MSVOA_W

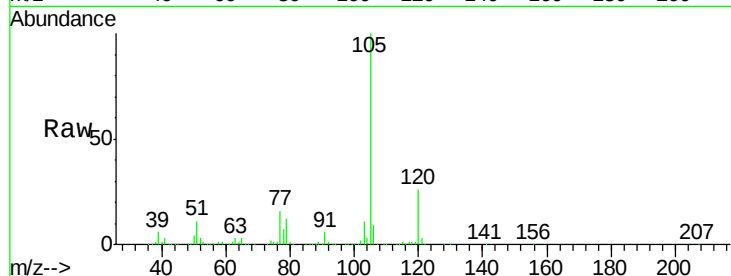
ClientSampled :

Tot Ion:105 Resp: 699713

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

400000

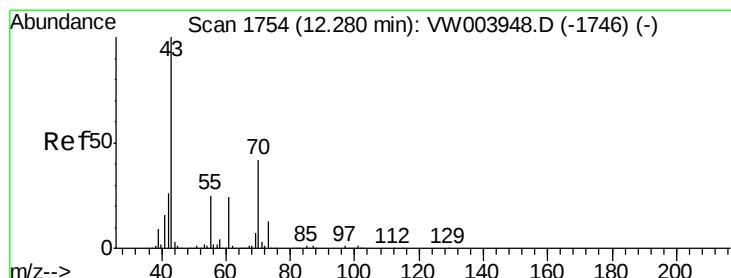
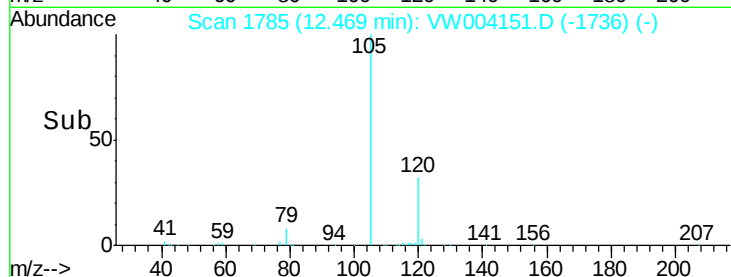
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 55.630 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Tgt Ion: 43 Resp: 197237

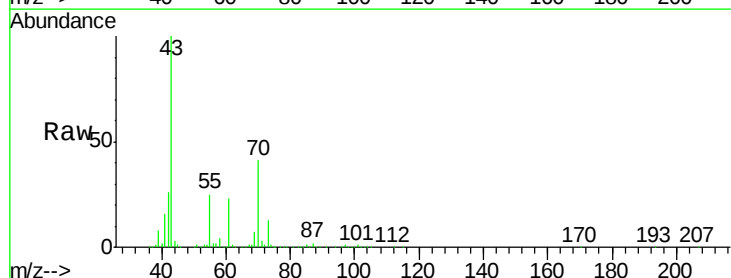
Ion Ratio Lower Upper

43 100

70 40.2 31.6 47.4

55 25.6 20.0 30.0

61 22.9 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

12.28

200000

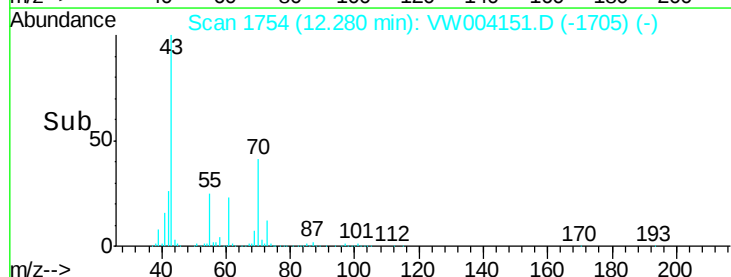
150000

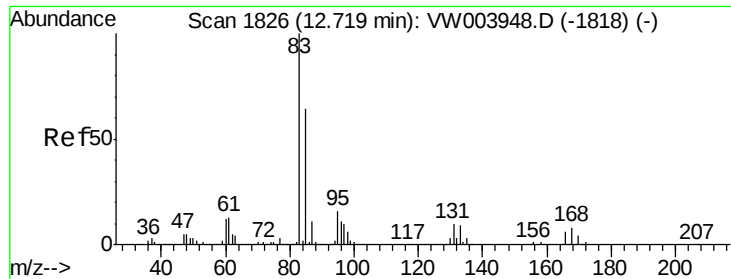
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 54.758 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampleId :

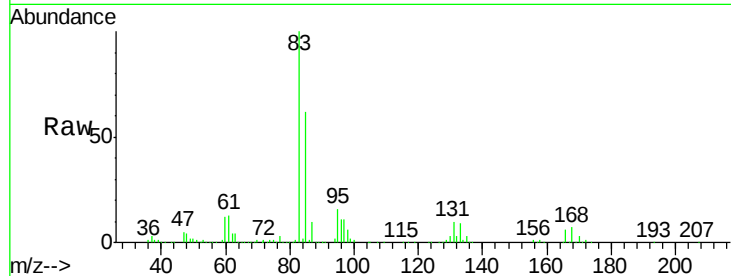
Tot Ion: 83 Resp: 144097

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.8

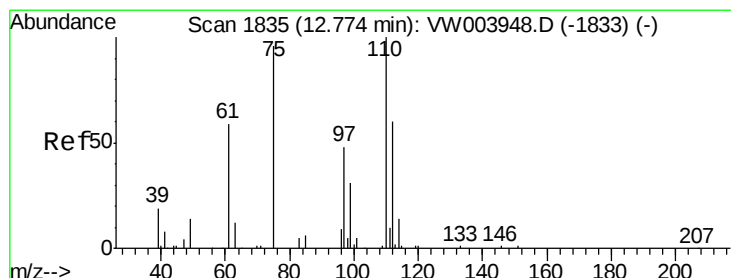
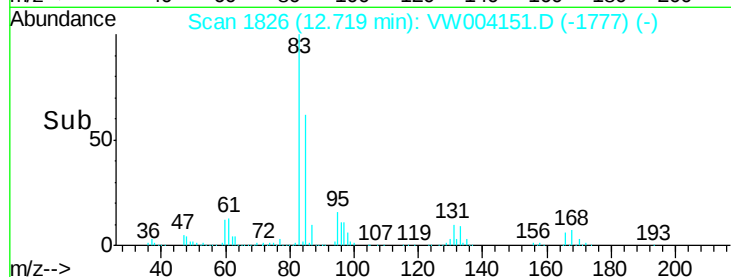
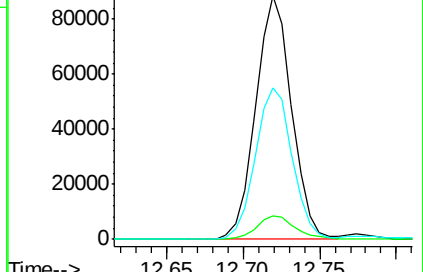
85 64.0 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 98.928 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004151.D

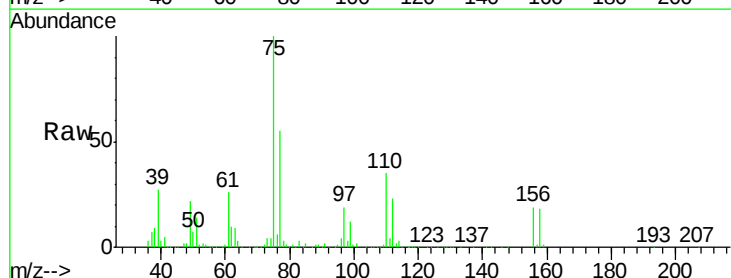
Acq: 23 Jul 2018 21:15

Tgt Ion: 75 Resp: 189126

Ion Ratio Lower Upper

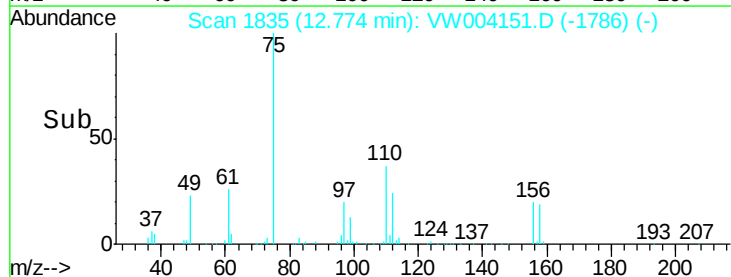
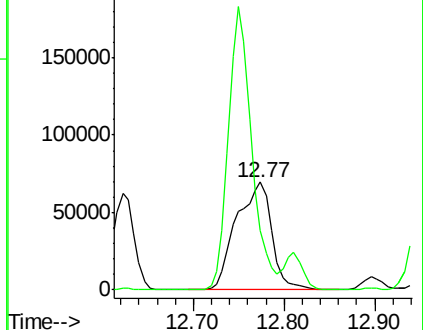
75 100

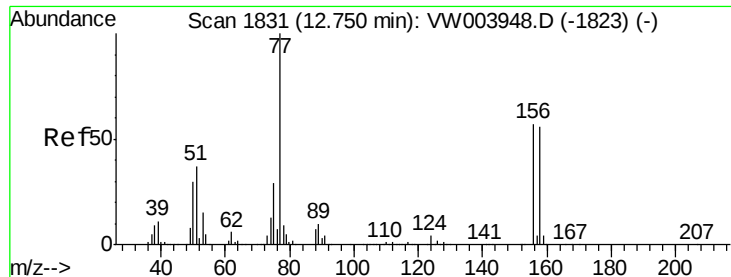
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.103 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampleId :

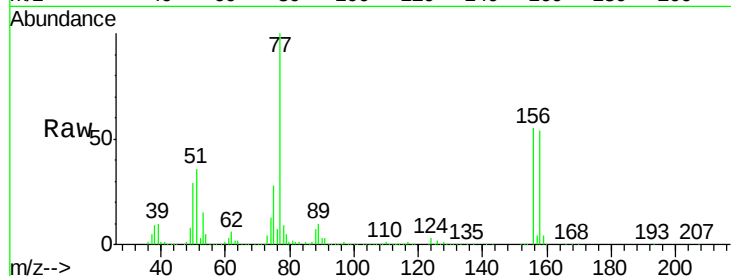
Tot Ion:156 Resp: 166392

Ion Ratio Lower Upper

156 100

77 197.1 96.2 288.6

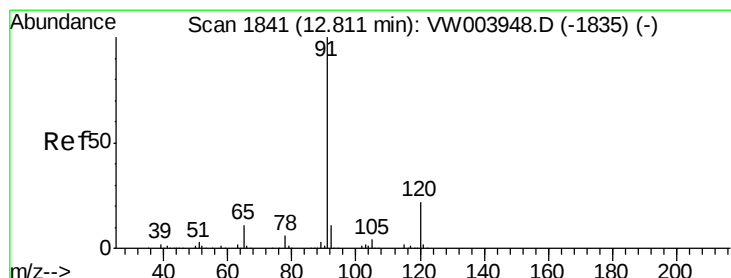
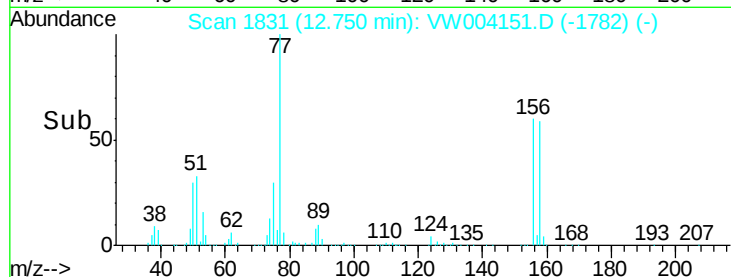
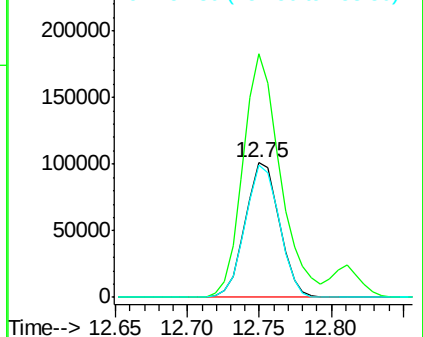
158 97.8 48.5 145.5



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: 51.867 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW004151.D

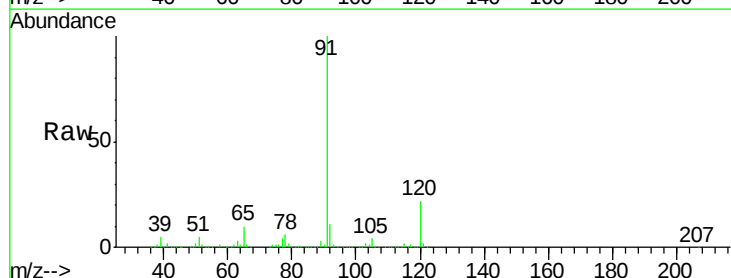
Acq: 23 Jul 2018 21:15

Tgt Ion: 91 Resp: 865846

Ion Ratio Lower Upper

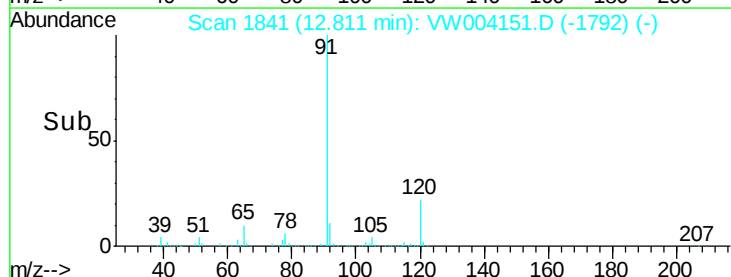
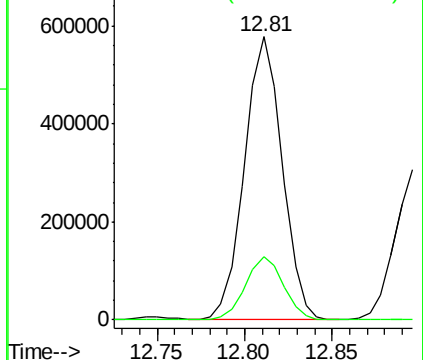
91 100

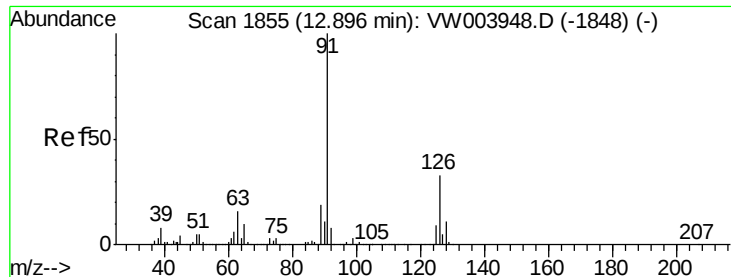
120 22.4 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.258 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :

MSVOA_W

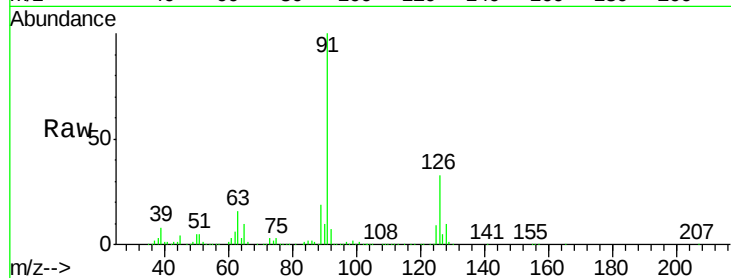
ClientSampleId :

Tot Ion: 91 Resp: 492026

Ion Ratio Lower Upper

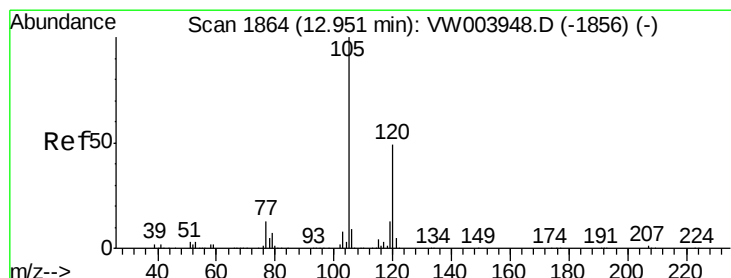
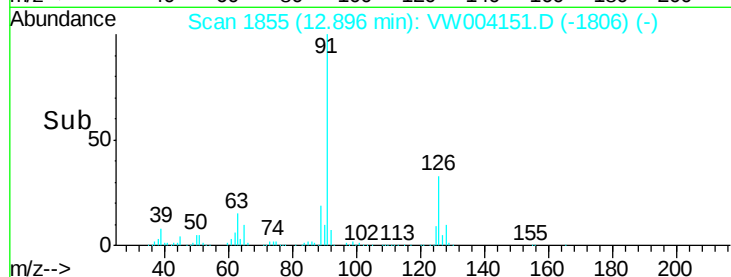
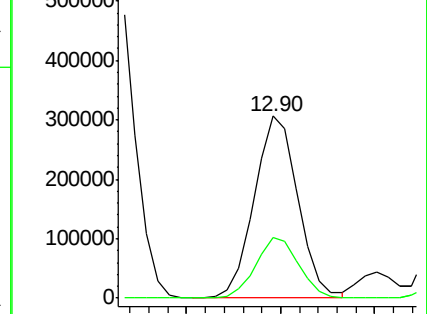
91 100

126 33.1 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.295 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004151.D

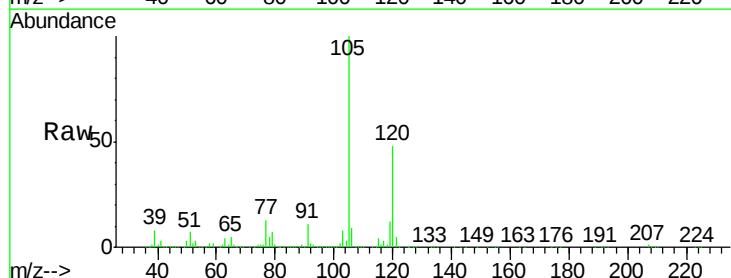
Acq: 23 Jul 2018 21:15

Tgt Ion:105 Resp: 598835

Ion Ratio Lower Upper

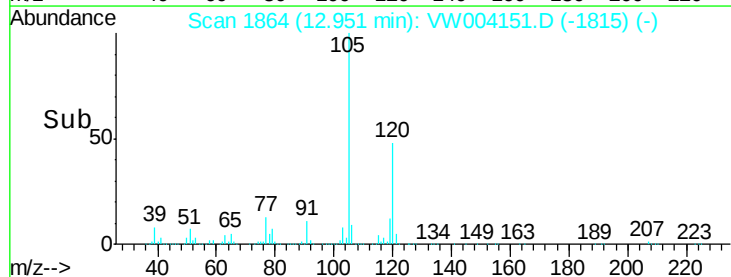
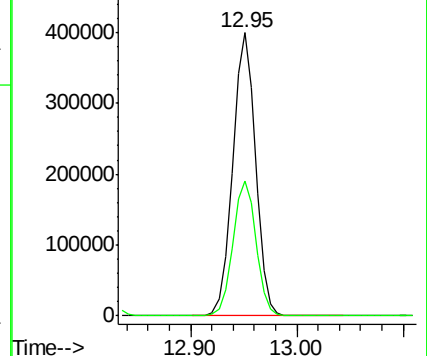
105 100

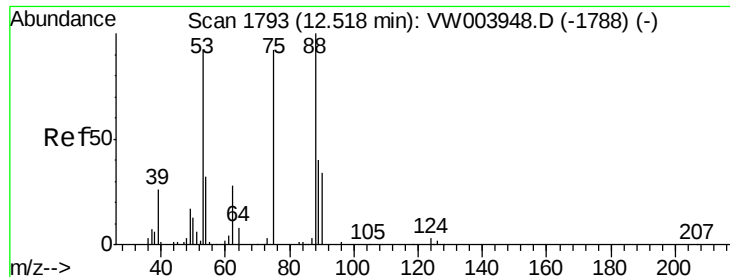
120 48.3 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.477 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampleId :

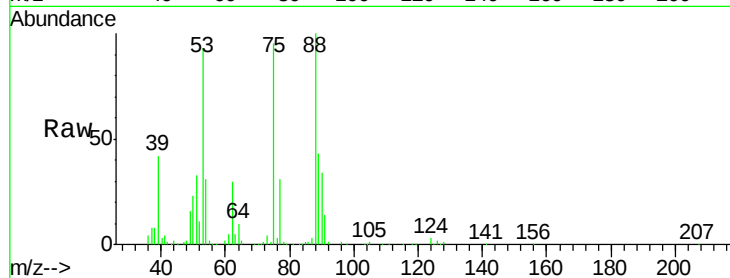
Tot Ion: 75 Resp: 42762

Ion Ratio Lower Upper

75 100

53 98.7 77.6 116.4

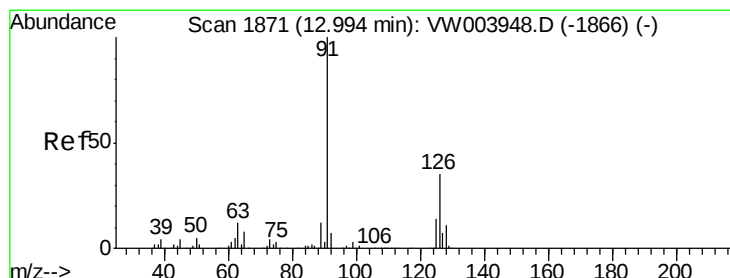
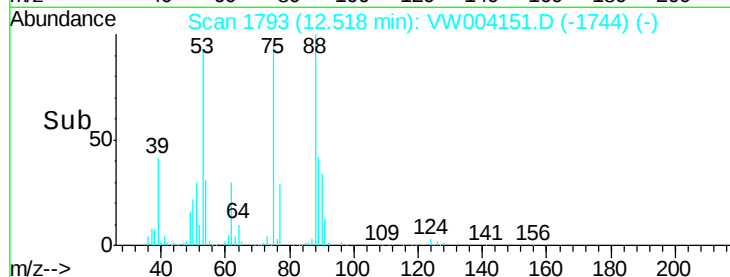
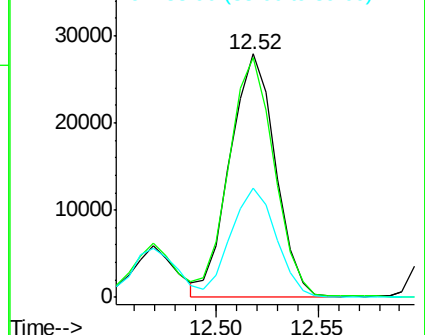
89 45.1 36.6 54.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 51.509 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW004151.D

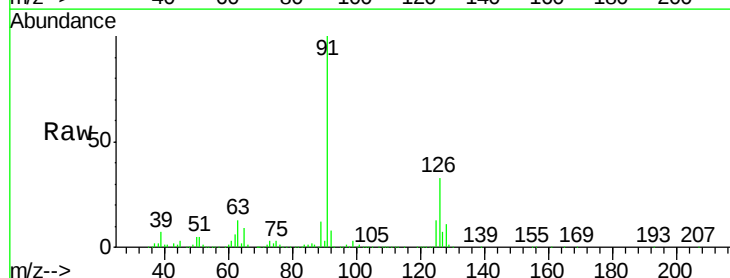
Acq: 23 Jul 2018 21:15

Tgt Ion: 91 Resp: 520454

Ion Ratio Lower Upper

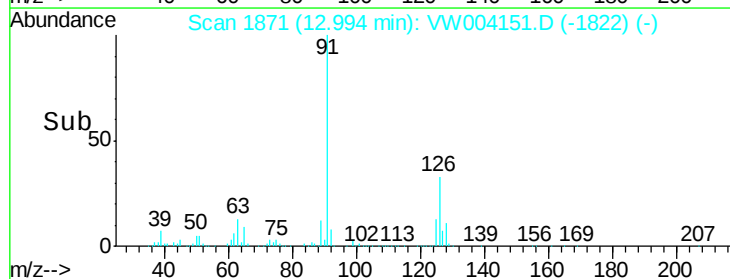
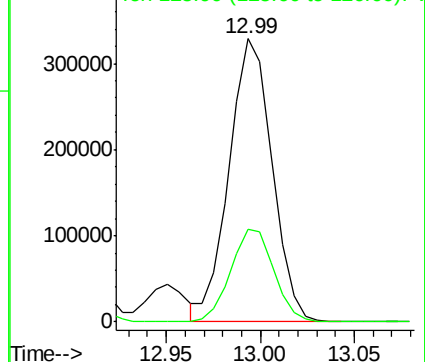
91 100

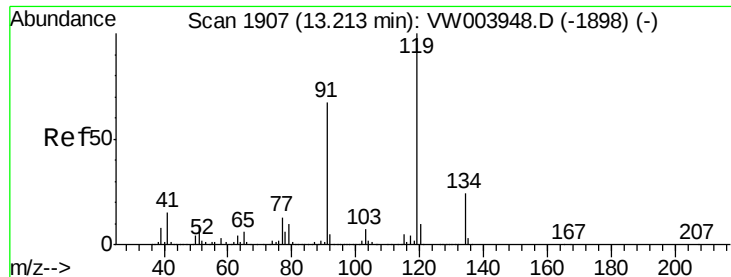
126 33.0 16.7 50.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

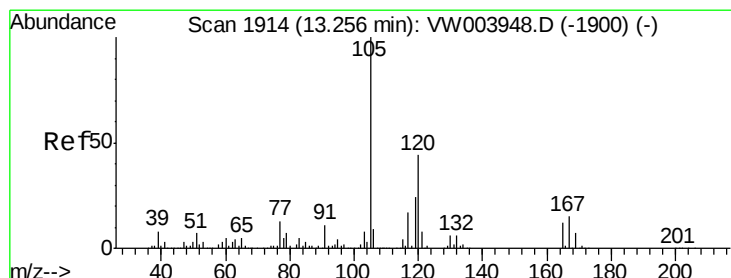
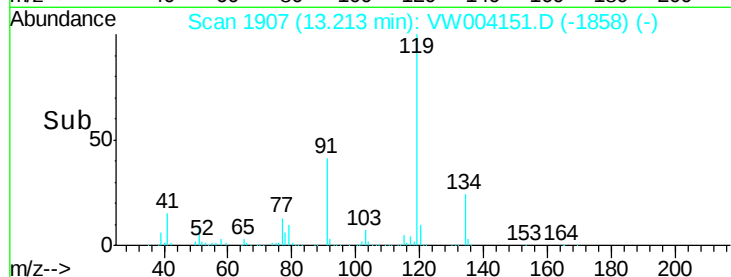
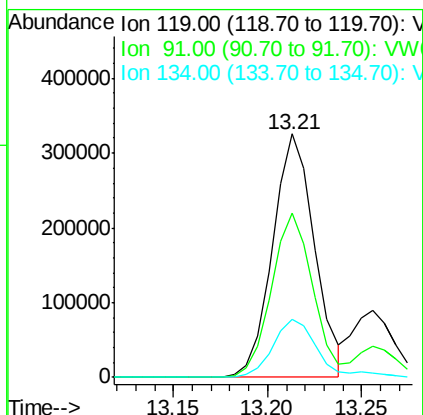
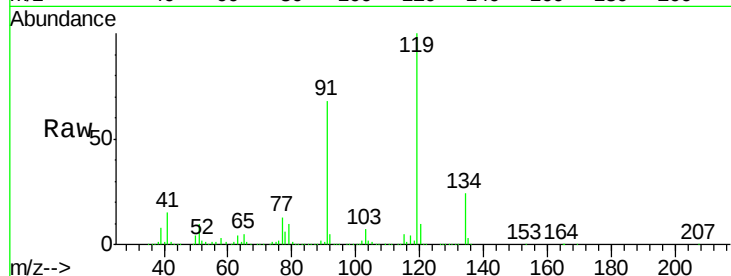




#83
tert-Butylbenzene
Concen: 52.173 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

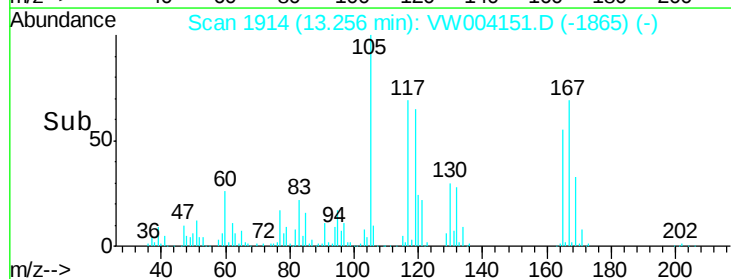
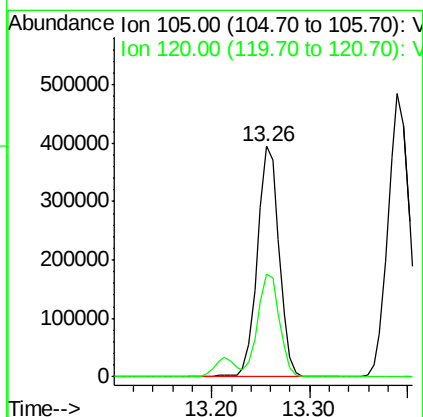
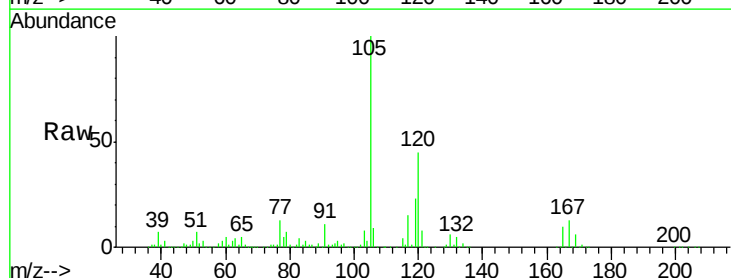
Instrument :
MSVOA_W
ClientSampled :

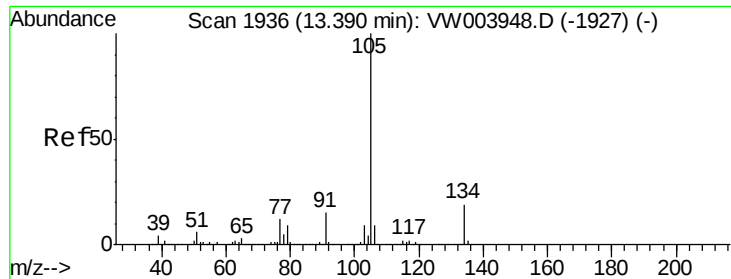
Tot Ion:119 Resp: 501586
Ion Ratio Lower Upper
119 100
91 66.5 33.2 99.6
134 25.7 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 51.955 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

Tgt Ion:105 Resp: 612106
Ion Ratio Lower Upper
105 100
120 44.5 22.1 66.1





#85

sec-Butylbenzene

Concen: 51.523 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :

MSVOA_W

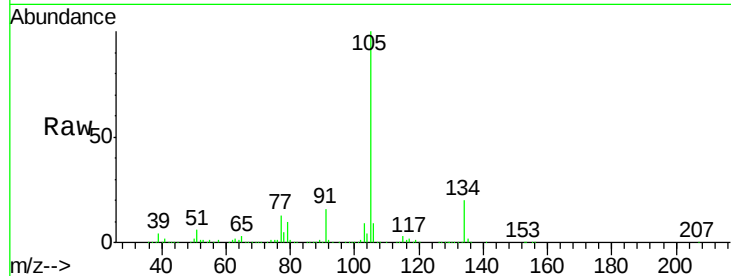
ClientSampled :

Tot Ion:105 Resp: 734966

Ion Ratio Lower Upper

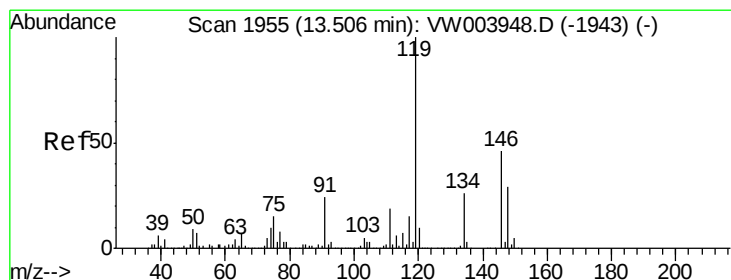
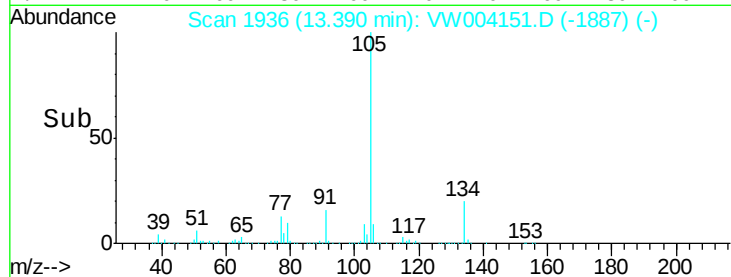
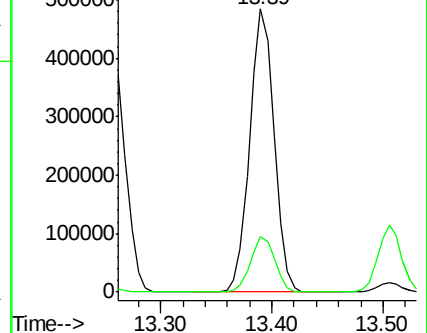
105 100

134 19.7 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.555 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

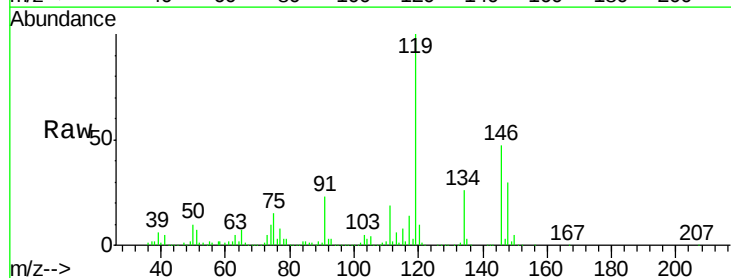
Tgt Ion:119 Resp: 645073

Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

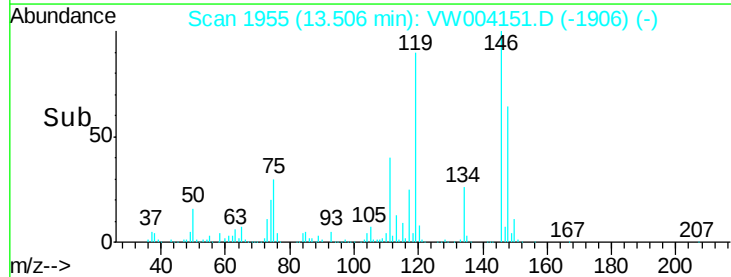
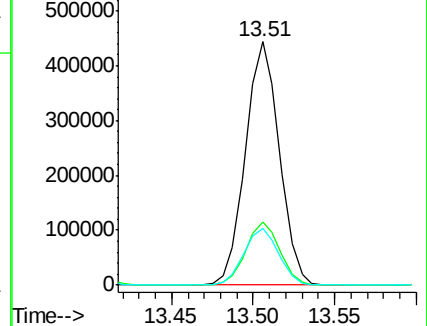
91 23.6 11.8 35.3

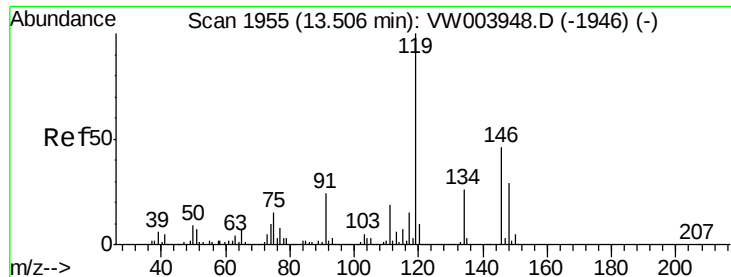


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

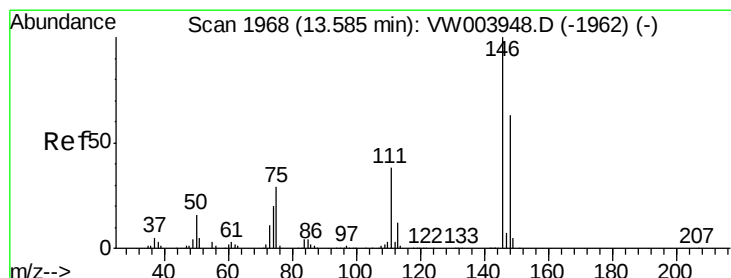
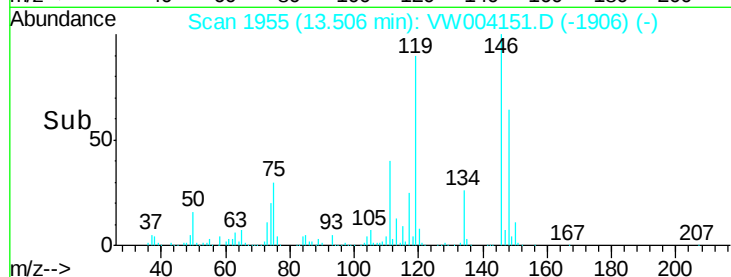
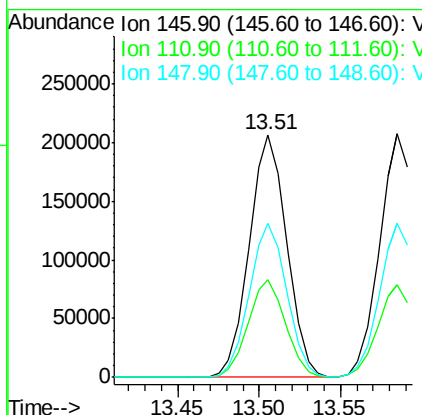
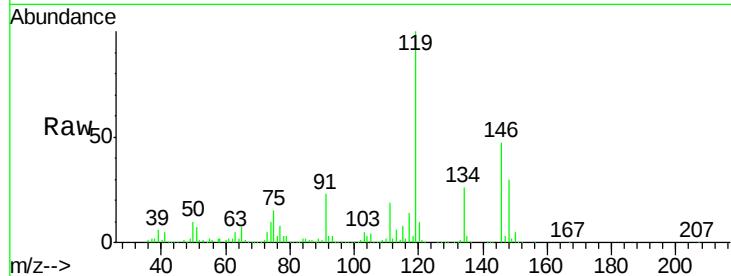




#87
 1,3-Dichlorobenzene
 Concen: 50.689 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004151.D
 Acq: 23 Jul 2018 21:15

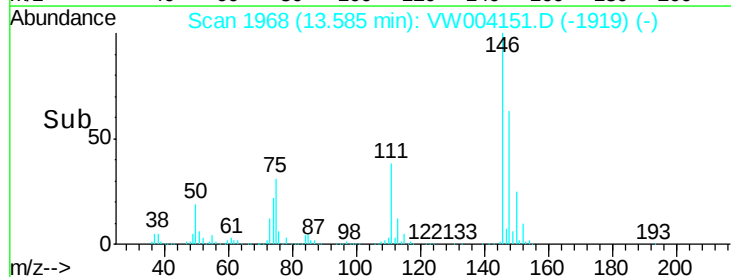
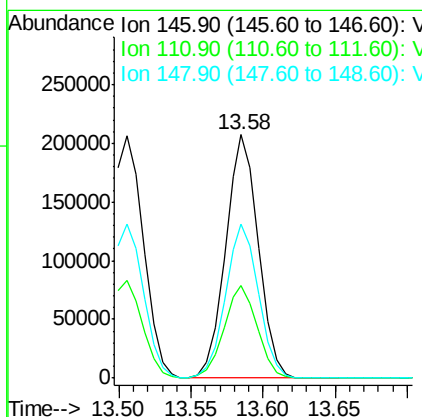
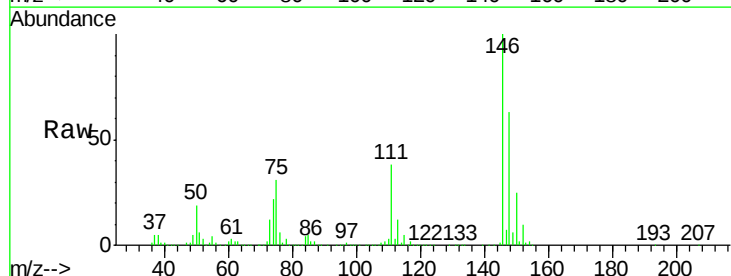
Instrument :
 MSVOA_W
 ClientSampleId :

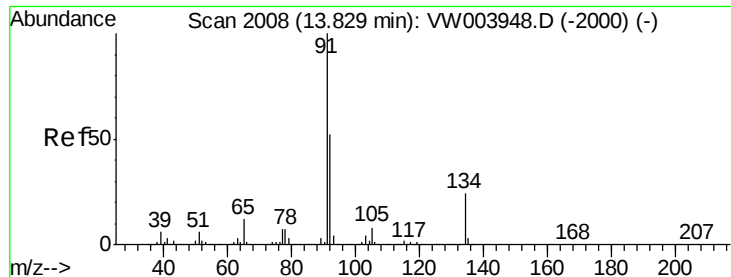
Tot Ion:146 Resp: 329637
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.9 59.6
 148 63.5 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 50.320 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004151.D
 Acq: 23 Jul 2018 21:15

Tgt Ion:146 Resp: 328185
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.6 58.7
 148 63.7 32.3 96.8





#89

n-Butylbenzene

Concen: 50.564 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampled :

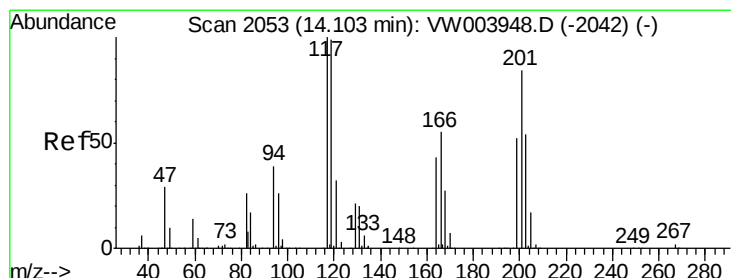
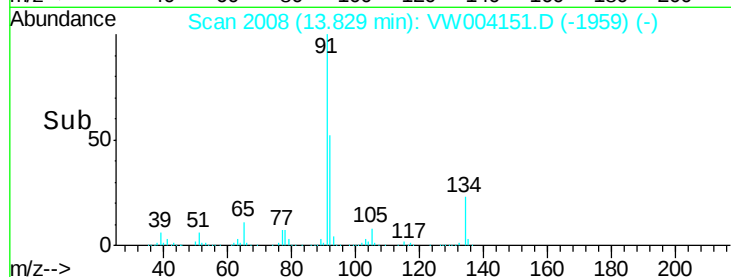
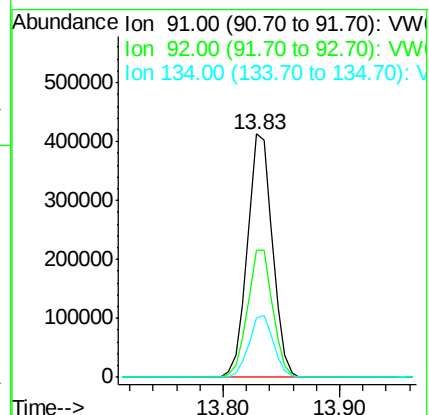
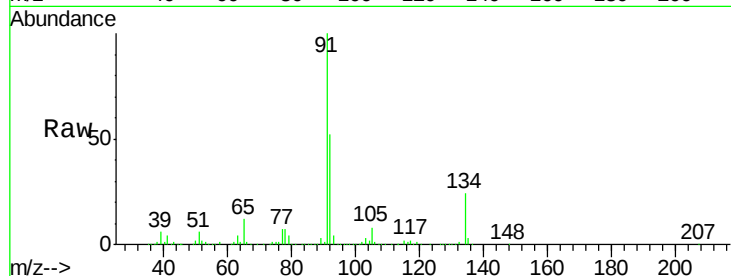
Tot Ion: 91 Resp: 621940

Ion Ratio Lower Upper

91 100

92 52.6 26.1 78.3

134 25.1 12.4 37.4



#90

Hexachloroethane

Concen: 50.657 ug/l

RT: 14.10 min Scan# 2052

Delta R.T. -0.01 min

Lab File: VW004151.D

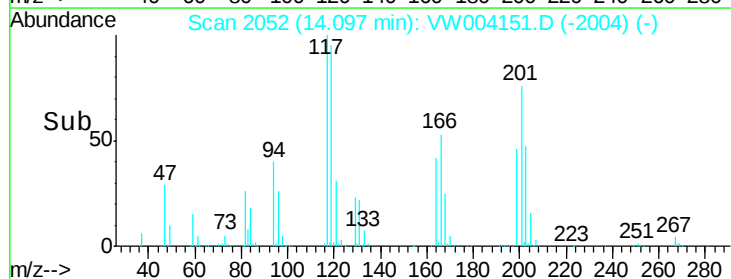
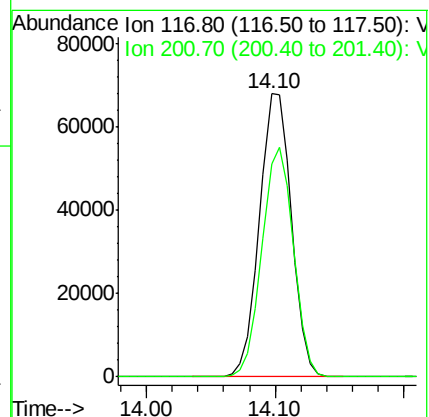
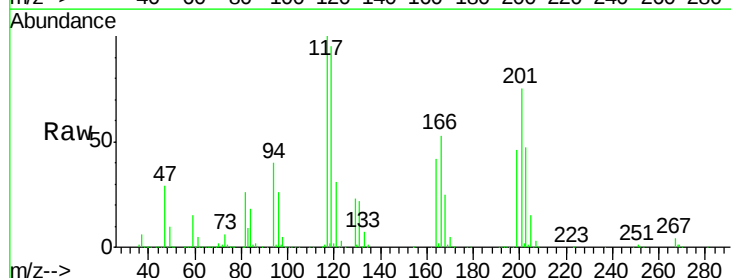
Acq: 23 Jul 2018 21:15

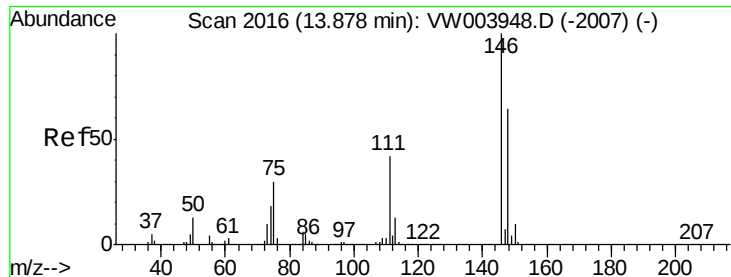
Tgt Ion: 117 Resp: 116838

Ion Ratio Lower Upper

117 100

201 79.7 40.3 120.9





#91

1,2-Dichlorobenzene

Concen: 52.046 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampleId :

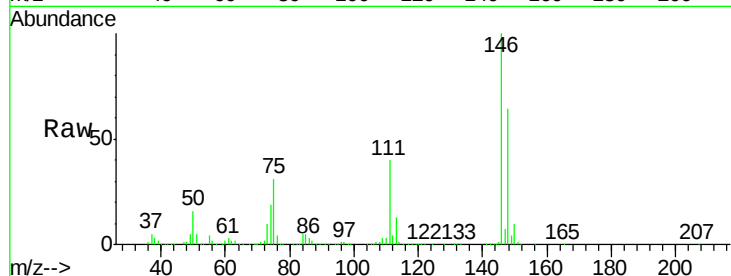
Tot Ion:146 Resp: 301551

Ion Ratio Lower Upper

146 100

111 41.2 20.7 62.1

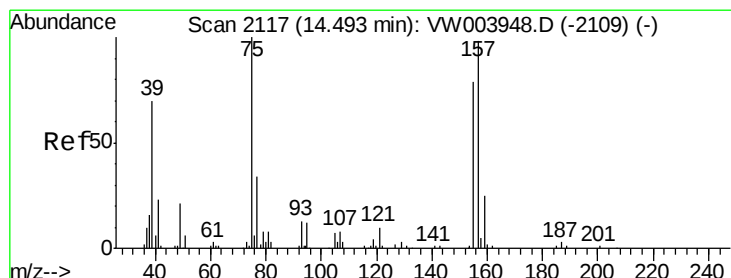
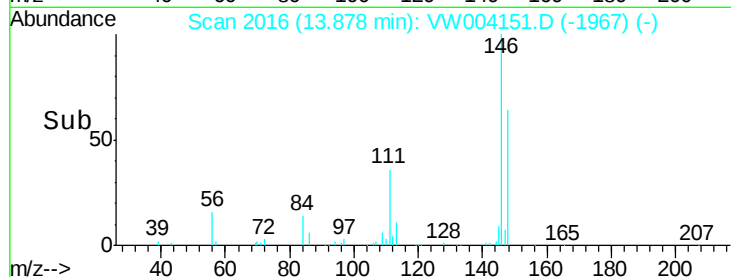
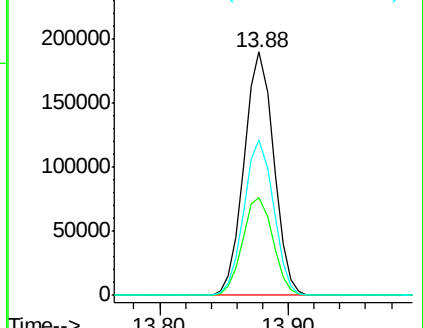
148 63.9 32.0 96.2



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: 54.808 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW004151.D

Acq: 23 Jul 2018 21:15

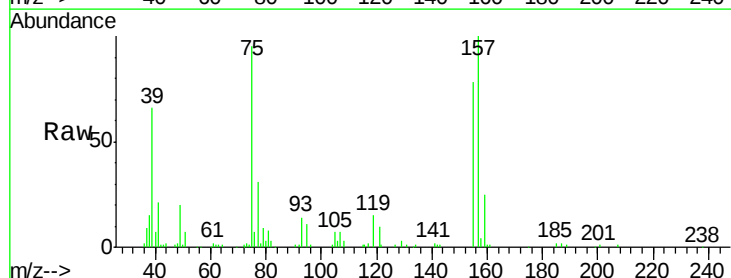
Tgt Ion: 75 Resp: 25647

Ion Ratio Lower Upper

75 100

155 77.4 39.4 118.1

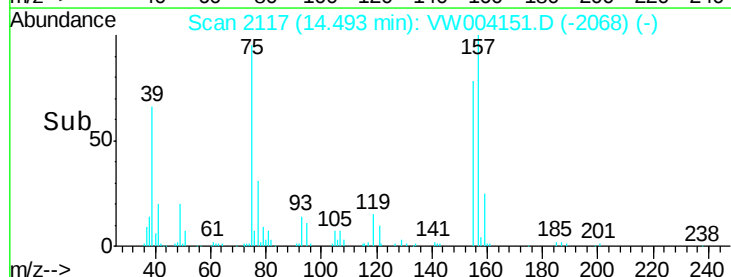
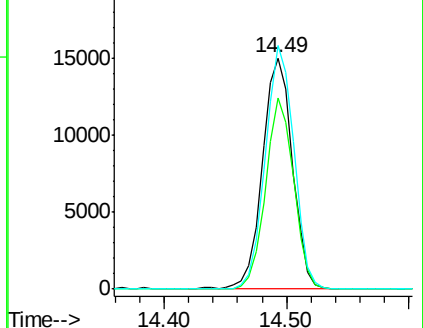
157 100.4 51.8 155.4

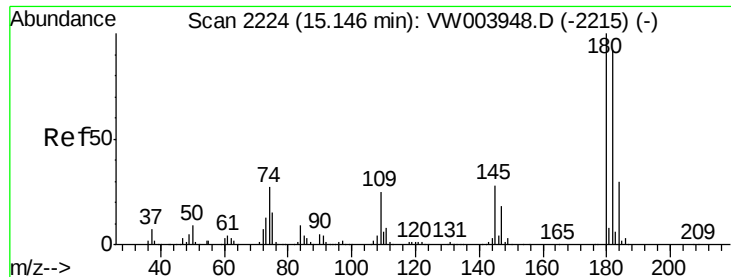


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

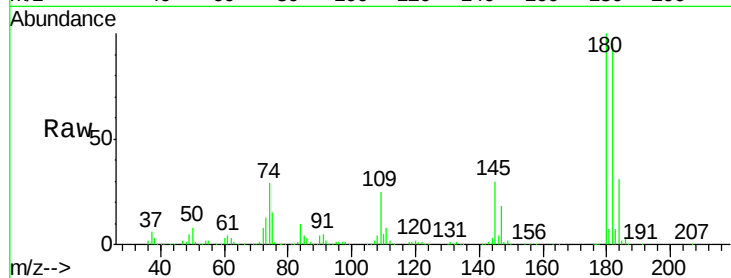




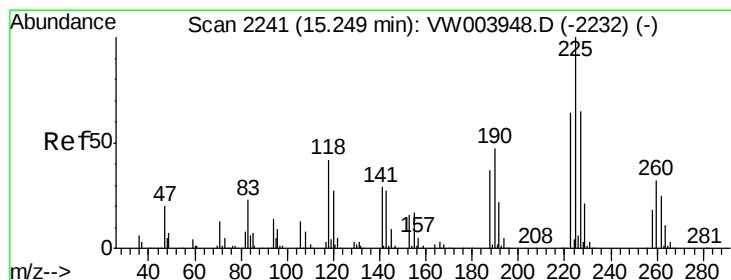
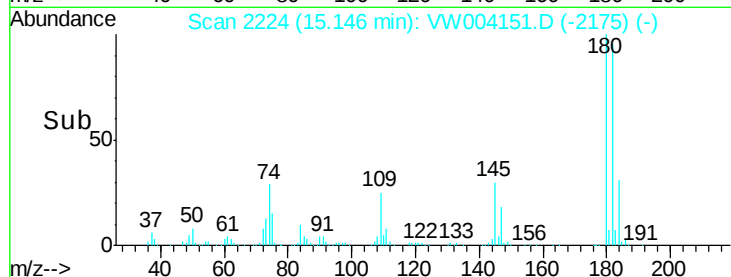
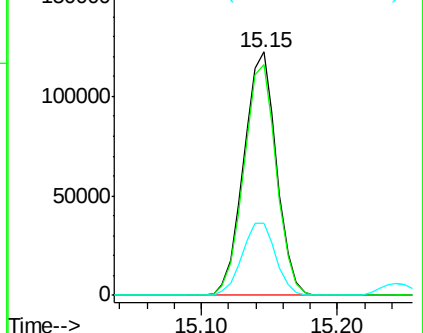
#93
 1,2,4-Trichlorobenzene
 Concen: 50.492 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004151.D
 Acq: 23 Jul 2018 21:15

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.9	140.8
145	30.6	15.0	45.0

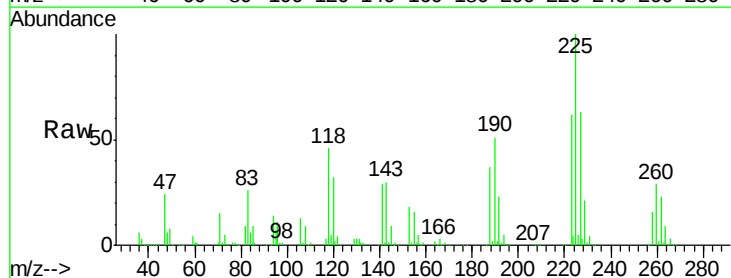


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

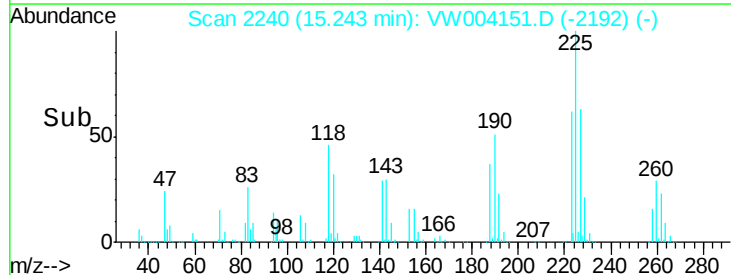
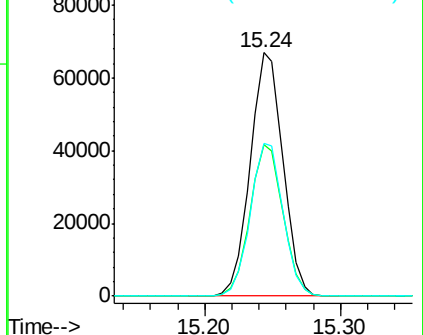


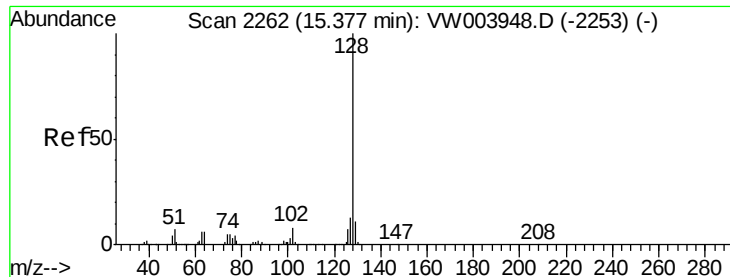
#94
 Hexachlorobutadiene
 Concen: 48.425 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW004151.D
 Acq: 23 Jul 2018 21:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	32.0	96.2
227	62.7	32.3	96.9



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

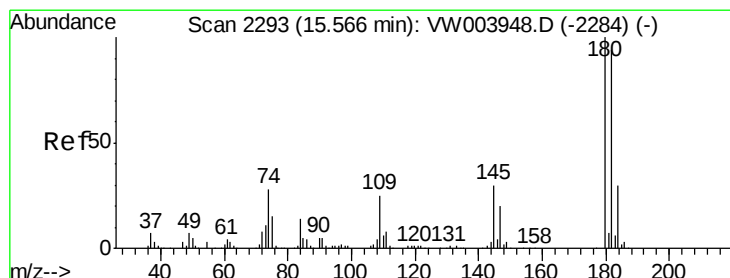
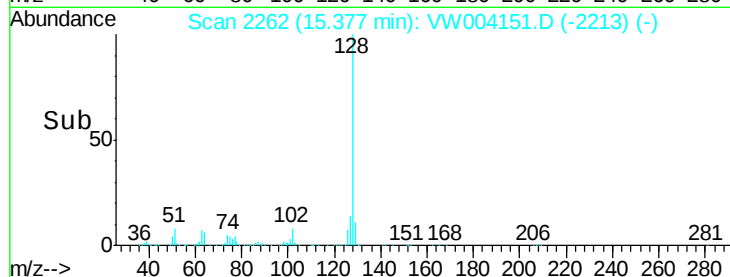
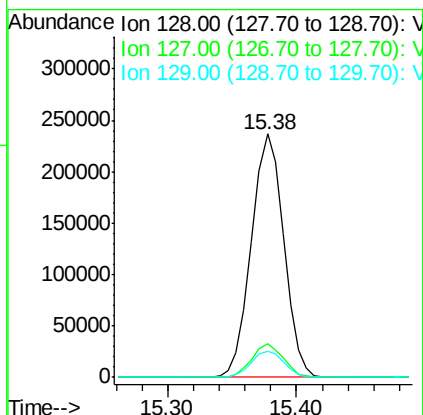
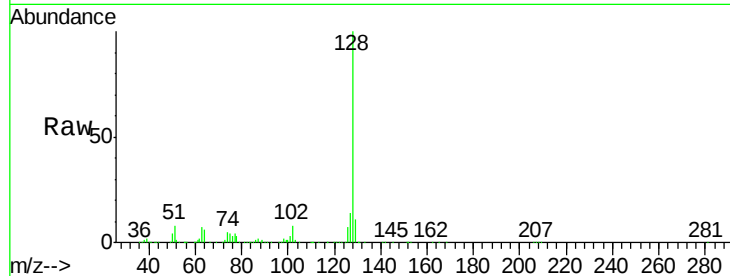




#95
Naphthalene
Concen: 54.817 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 411716
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.179 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW004151.D
Acq: 23 Jul 2018 21:15

Tgt Ion:180 Resp: 184389
Ion Ratio Lower Upper
180 100
182 96.3 47.5 142.6
145 32.7 15.8 47.4

