

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
 Data File : VW003972.D
 Acq On : 17 Jul 2018 02:15
 Operator : VA/AP
 Sample : VW0716SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 17 08:49:33 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	231796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	379156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	360592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	189980	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	156477	60.39	ug/l	0.00
Spiked Amount			Recovery	=	120.78%	
35) Dibromofluoromethane	7.88	113	132374	54.41	ug/l	0.00
Spiked Amount			Recovery	=	108.82%	
50) Toluene-d8	10.33	98	524463	55.56	ug/l	0.00
Spiked Amount			Recovery	=	111.12%	
62) 4-Bromofluorobenzene	12.62	95	189187	55.58	ug/l	0.00
Spiked Amount			Recovery	=	111.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	25727	19.764	ug/l	96
3) Chloromethane	2.21	50	39055	22.795	ug/l	99
4) Vinyl Chloride	2.36	62	52123	22.117	ug/l	99
5) Bromomethane	2.76	94	32864	22.311	ug/l	99
6) Chloroethane	2.92	64	29213	21.817	ug/l	95
7) Trichlorofluoromethane	3.25	101	19692	19.903	ug/l	100
8) Diethyl Ether	3.67	74	25584	22.277	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.04	101	47104	20.632	ug/l	98
10) Methyl Iodide	4.26	142	70480	21.494	ug/l	99
11) Tert butyl alcohol	5.19	59	23485	131.300	ug/l	97
12) 1,1-Dichloroethene	4.03	96	47954	21.287	ug/l	94
13) Acrolein	3.89	56	18471	100.504	ug/l	98
14) Allyl chloride	4.65	41	75656	20.347	ug/l	99
15) Acrylonitrile	5.37	53	67879	115.345	ug/l	99
16) Acetone	4.12	43	58404	93.804	ug/l	94
17) Carbon Disulfide	4.37	76	148590	21.132	ug/l	97
18) Methyl Acetate	4.67	43	35257	23.591	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	96020	22.241	ug/l	100
20) Methylene Chloride	4.90	84	67640	19.870	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	52835	21.397	ug/l	96
22) Diisopropyl ether	6.31	45	175429	23.344	ug/l	99
23) Vinyl Acetate	6.26	43	518193	108.829	ug/l	99
24) 1,1-Dichloroethane	6.21	63	101707	22.181	ug/l	98
25) 2-Butanone	7.18	43	92215	110.059	ug/l	97
26) 2,2-Dichloropropane	7.17	77	45811	17.405	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	57731	21.627	ug/l	99
28) Bromochloromethane	7.51	49	43038	22.935	ug/l	97
29) Tetrahydrofuran	7.53	42	62852	120.428	ug/l	98
30) Chloroform	7.68	83	102981	22.579	ug/l	100
31) Cyclohexane	7.95	56	85488	19.889	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	74737	20.984	ug/l	99
36) 1,1-Dichloropropene	8.08	75	78101	20.021	ug/l	100
37) Ethyl Acetate	7.26	43	42646	22.665	ug/l	99
38) Carbon Tetrachloride	8.07	117	71891	19.723	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	86286	18.887	ug/l	99
40) Benzene	8.32	78	229513	21.207	ug/l	99
41) Methacrylonitrile	7.49	41	21024	20.166	ug/l	95
42) 1,2-Dichloroethane	8.40	62	73573	22.283	ug/l	99
43) Isopropyl Acetate	8.43	43	77550	22.036	ug/l	99
44) Trichloroethene	9.09	130	56727	20.221	ug/l	96
45) 1,2-Dichloropropane	9.37	63	59852	21.668	ug/l	98
46) Dibromomethane	9.46	93	31106	21.701	ug/l	99
47) Bromodichloromethane	9.65	83	76747	21.719	ug/l	99
48) Methyl methacrylate	9.44	41	40121	23.573	ug/l	94
49) 1,4-Dioxane	9.45	88	10077	457.359	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	214545	114.430	ug/l	100
52) Toluene	10.39	92	142825	21.341	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	73923	20.006	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	84654	20.027	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	44527	22.088	ug/l	98
56) Ethyl methacrylate	10.65	69	55660	21.112	ug/l	96
57) 1,3-Dichloropropane	10.94	76	77617	22.161	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	128161	107.165	ug/l	99
59) 2-Hexanone	10.98	43	148420	112.316	ug/l	97
60) Dibromochloromethane	11.13	129	50993	21.721	ug/l	98
61) 1,2-Dibromoethane	11.24	107	42112	21.954	ug/l	97
64) Tetrachloroethene	10.87	164	57350	23.179	ug/l	98
65) Chlorobenzene	11.66	112	156708	20.438	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	54225	20.351	ug/l	99
67) Ethyl Benzene	11.74	91	264901	19.667	ug/l	100
68) m/p-Xylenes	11.85	106	203531	39.535	ug/l	98
69) o-Xylene	12.17	106	94848	19.861	ug/l	100
70) Styrene	12.19	104	162572	20.382	ug/l	100
71) Bromoform	12.35	173	30792	20.468	ug/l #	98
73) Isopropylbenzene	12.47	105	256156	19.081	ug/l	100
74) N-amyl acetate	12.28	43	76041	21.739	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	54298	20.915	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	70590	37.427	ug/l #	100
77) Bromobenzene	12.75	156	64945	20.218	ug/l	99
78) n-propylbenzene	12.81	91	323246	19.627	ug/l	100
79) 2-Chlorotoluene	12.90	91	187914	20.230	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	226741	20.070	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	14742	17.289	ug/l	95
82) 4-Chlorotoluene	12.99	91	198584	19.921	ug/l	99
83) tert-Butylbenzene	13.21	119	182764	19.269	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	232960	20.043	ug/l	99
85) sec-Butylbenzene	13.39	105	274689	19.519	ug/l	100
86) p-Isopropyltoluene	13.51	119	238790	19.344	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	129251	20.146	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	128518	19.974	ug/l	99
89) n-Butylbenzene	13.83	91	227396	18.739	ug/l	100
90) Hexachloroethane	14.10	117	44744	19.663	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	118585	20.746	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9989	21.637	ug/l	100

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 16 15:06:12 2018
Response via : Initial Calibration

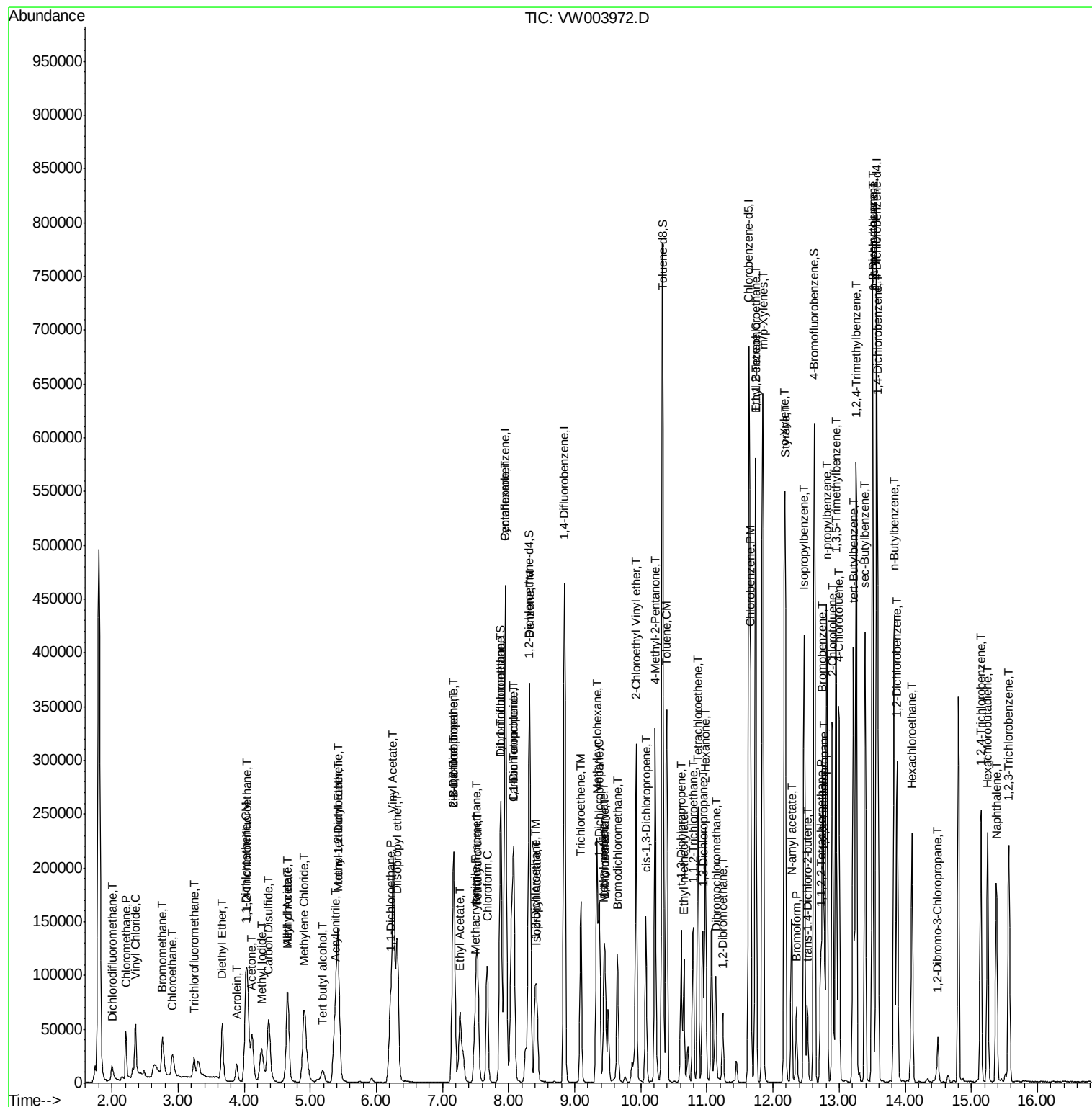
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	80366	20.018	ug/l	99
94) Hexachlorobutadiene	15.25	225	44974	19.509	ug/l	98
95) Naphthalene	15.38	128	154033	20.787	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	72860	20.498	ug/l	98

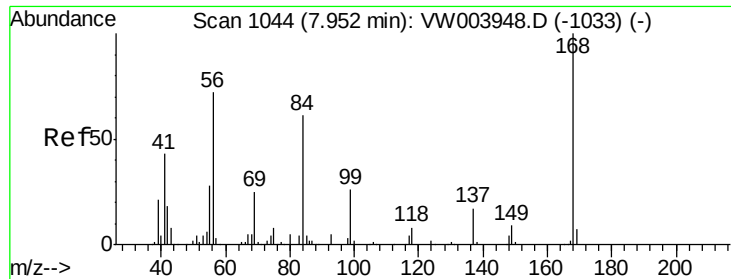
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 MSVOA_W
 ClientSampled :

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

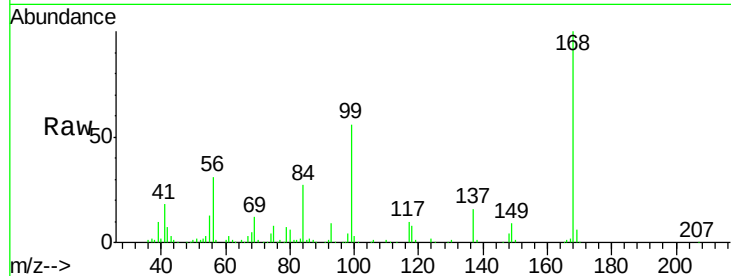
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 231796

Ion Ratio Lower Upper

168 100

99 55.8 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

120000

100000

80000

60000

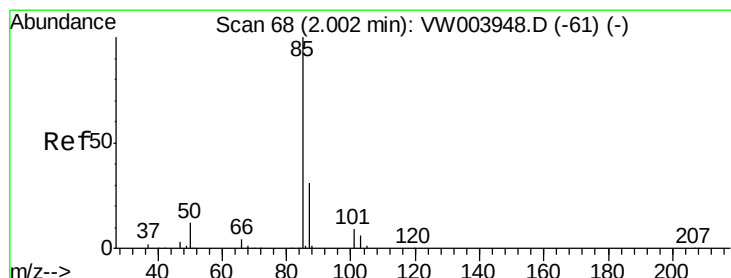
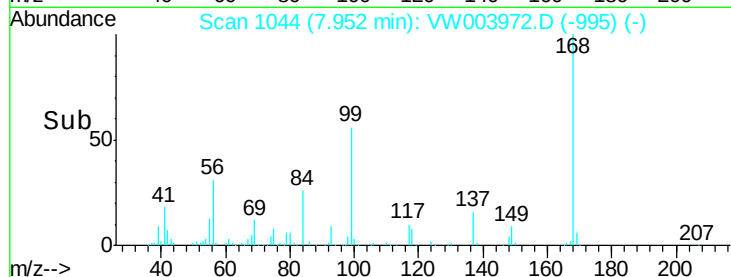
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.764 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003972.D

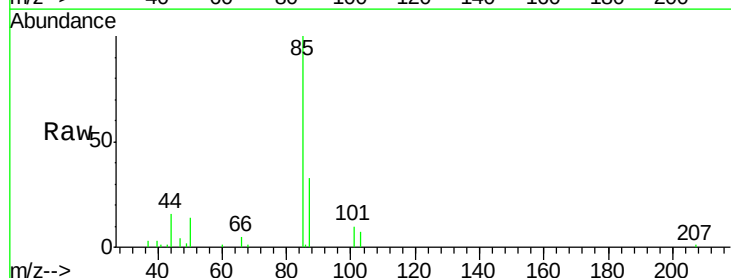
Acq: 17 Jul 2018 02:15

Tgt Ion: 85 Resp: 25727

Ion Ratio Lower Upper

85 100

87 33.2 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

8000

6000

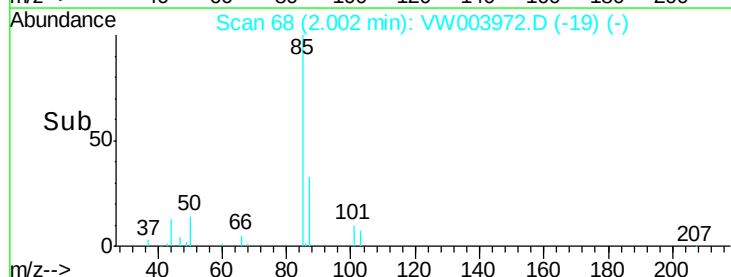
4000

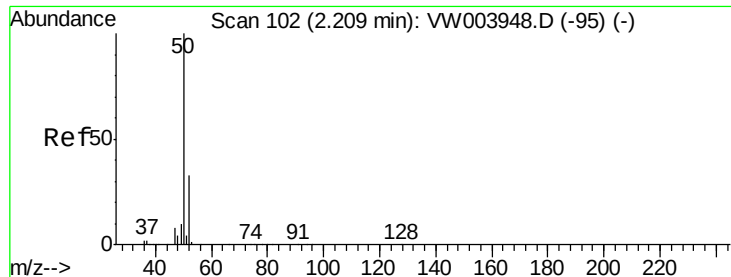
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 22.795 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

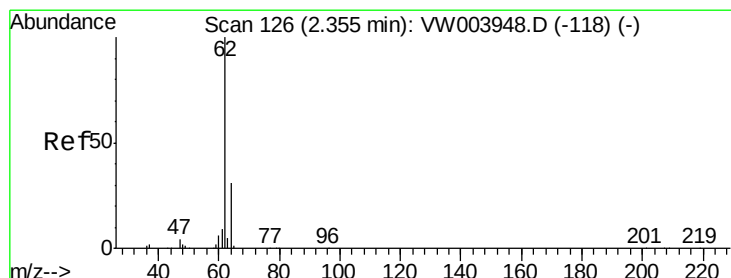
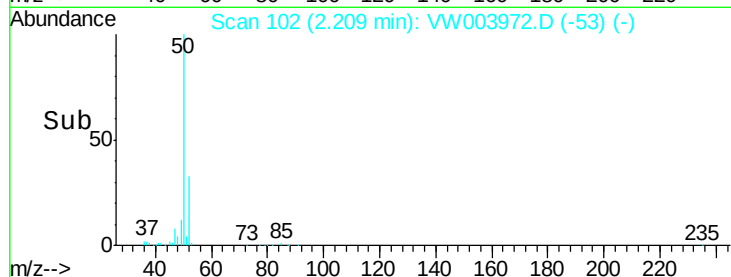
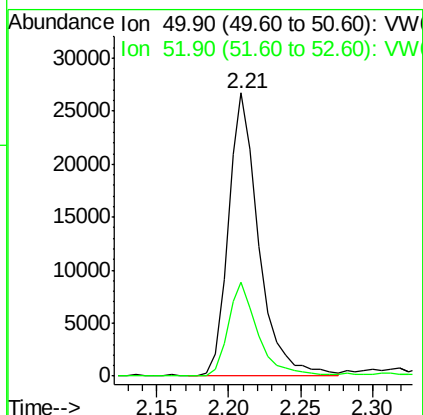
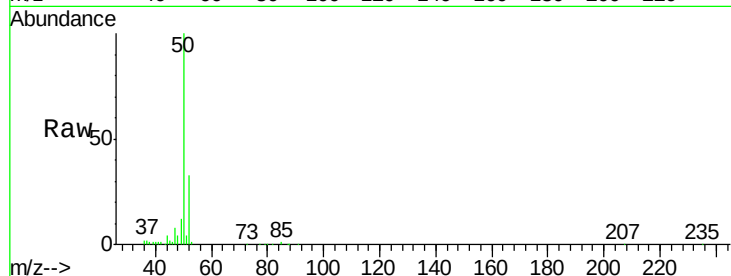
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 50 Resp: 39055

Ion Ratio Lower Upper

50 100

52 33.4 26.3 39.5



#4

Vinyl Chloride

Concen: 22.117 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003972.D

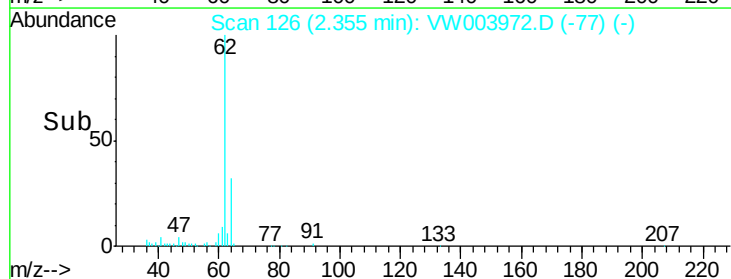
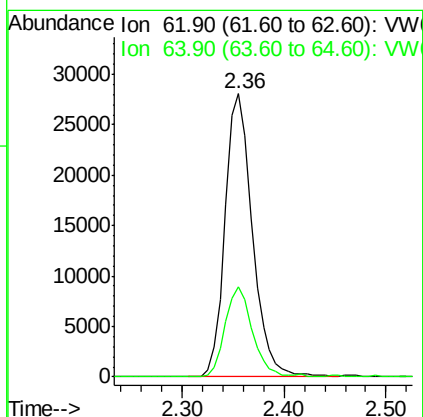
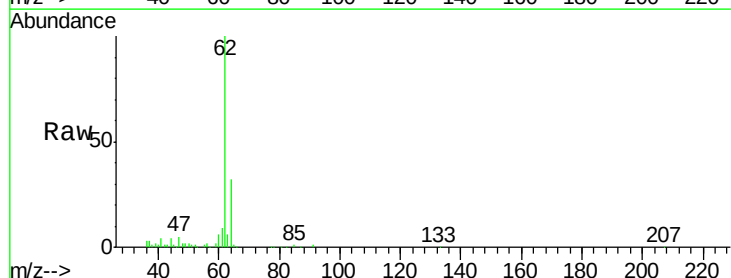
Acq: 17 Jul 2018 02:15

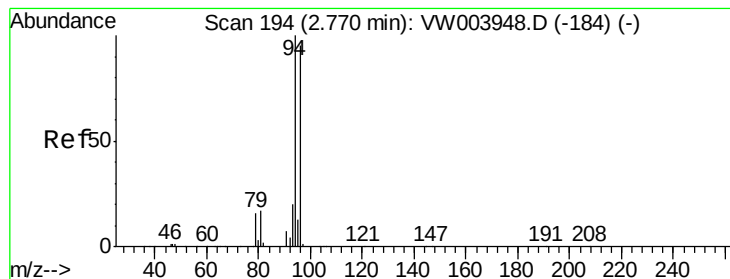
Tgt Ion: 62 Resp: 52123

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.6





#5

Bromomethane

Concen: 22.311 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Instrument :

MSVOA_W

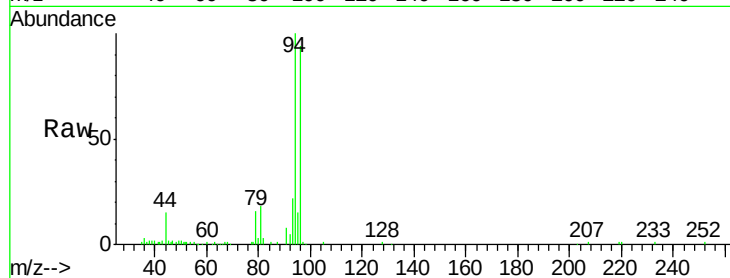
ClientSampleId :

Tot Ion: 94 Resp: 32864

Ion Ratio Lower Upper

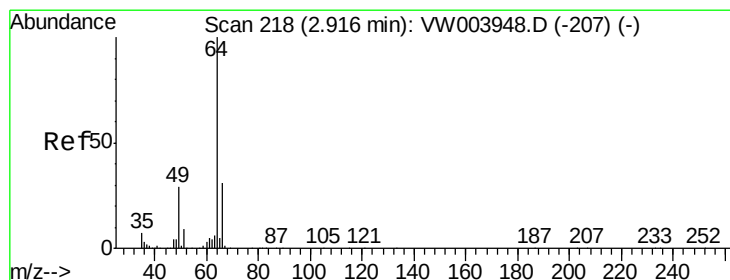
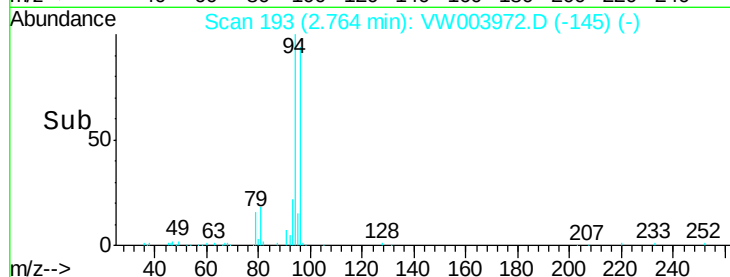
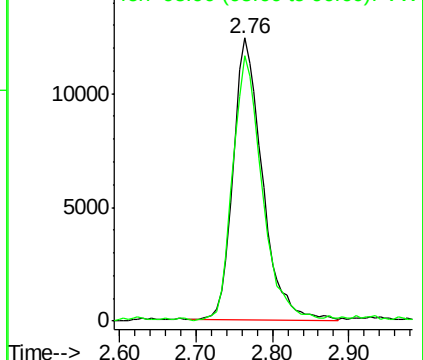
94 100

96 93.7 75.8 113.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 21.817 ug/l

RT: 2.92 min Scan# 218

Delta R.T. 0.00 min

Lab File: VW003972.D

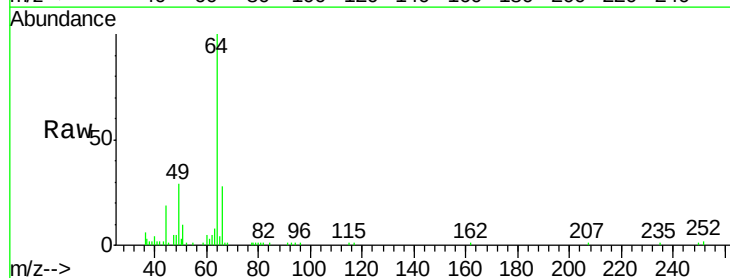
Acq: 17 Jul 2018 02:15

Tgt Ion: 64 Resp: 29213

Ion Ratio Lower Upper

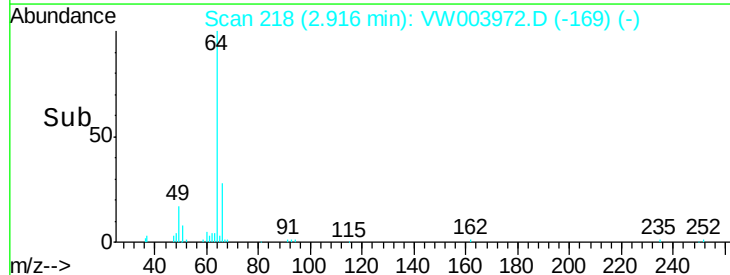
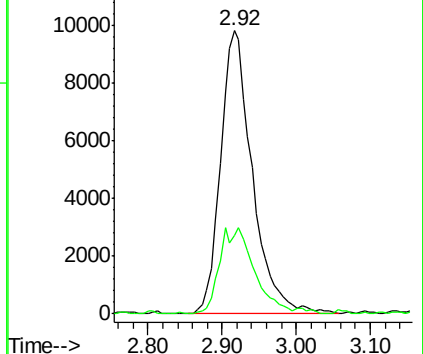
64 100

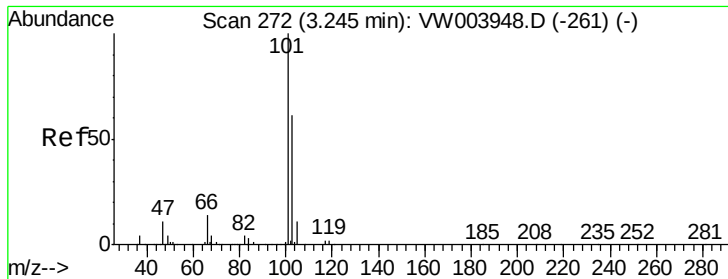
66 27.9 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



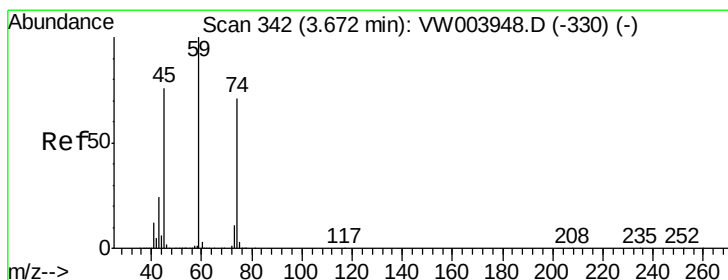
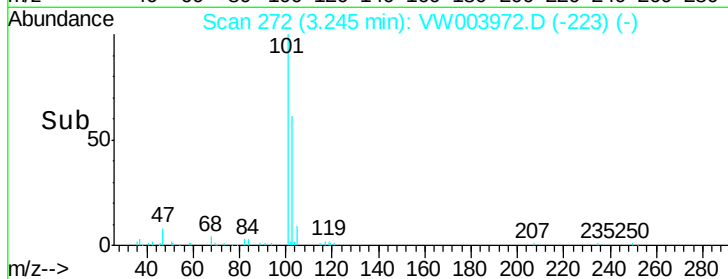
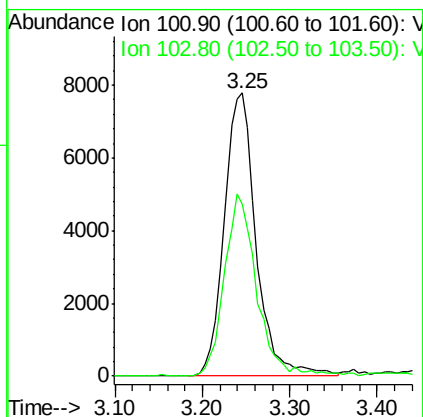
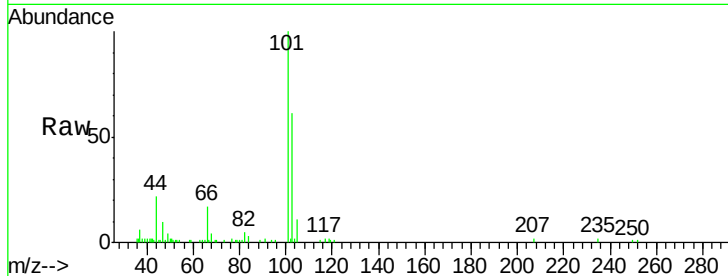


#7

Trichlorofluoromethane
Concen: 19.903 ug/l
RT: 3.25 min Scan# 272
Delta R.T. 0.00 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

Instrument :
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ClientSampleId :

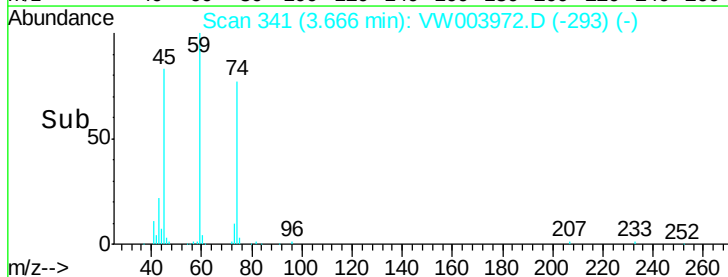
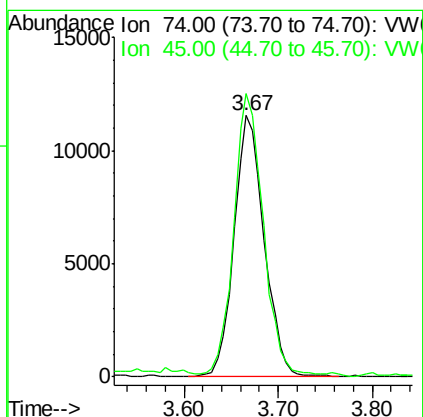
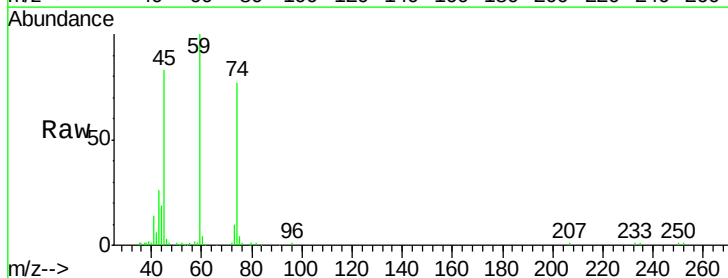
Tot Ion:101 Resp: 19692
Ion Ratio Lower Upper
101 100
103 61.0 49.0 73.6

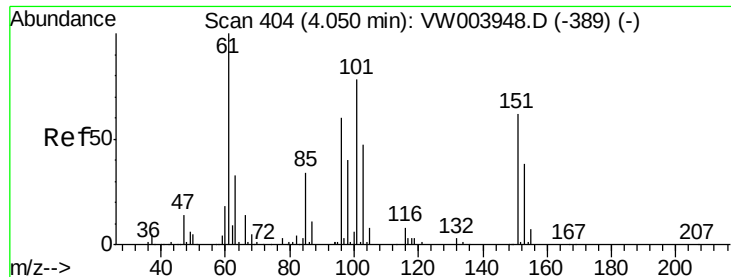


#8

Diethyl Ether
Concen: 22.277 ug/l
RT: 3.67 min Scan# 341
Delta R.T. -0.01 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

Tgt Ion: 74 Resp: 25584
Ion Ratio Lower Upper
74 100
45 103.8 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.632 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW003972.D

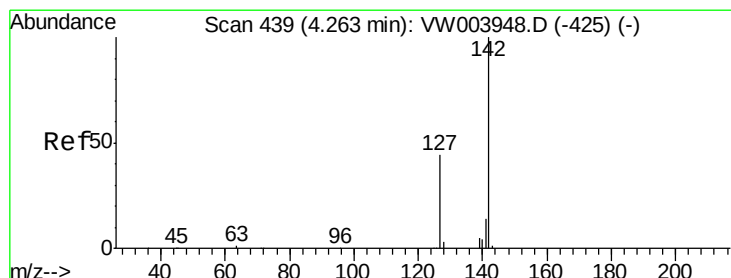
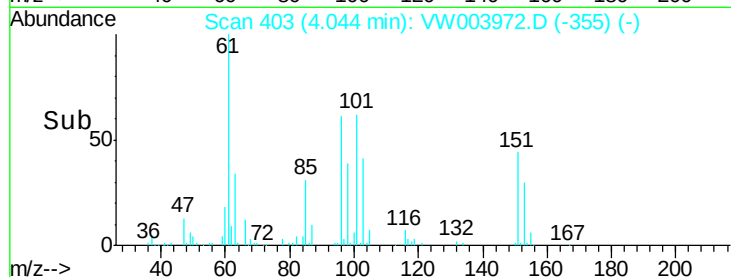
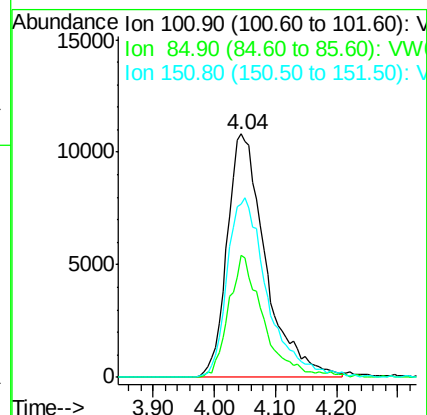
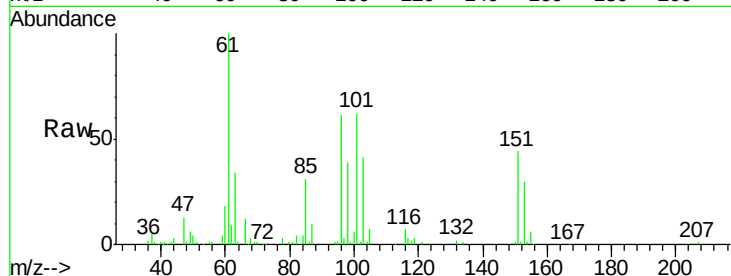
Acq: 17 Jul 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	101	Resp:	47104
Ion	Ratio	Lower	Upper
101	100		
85	45.5	35.8	53.6
151	76.7	63.6	95.4



#10

Methyl Iodide

Concen: 21.494 ug/l

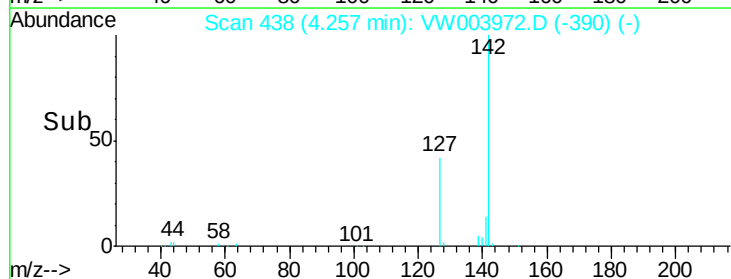
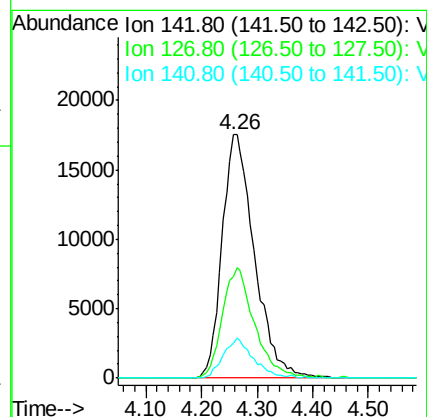
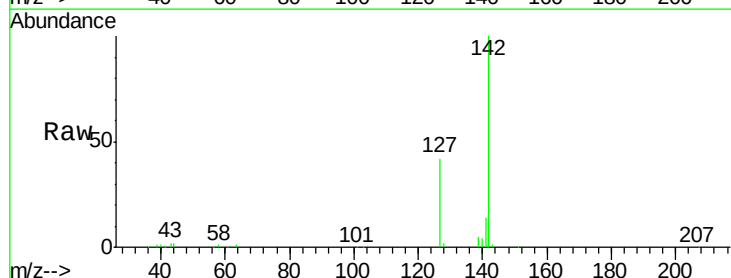
RT: 4.26 min Scan# 438

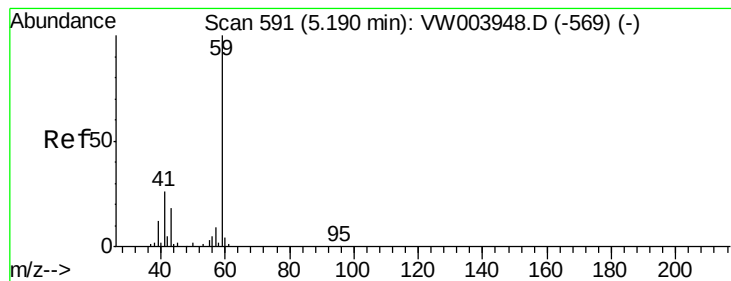
Delta R.T. -0.01 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Tgt Ion:	142	Resp:	70480
Ion	Ratio	Lower	Upper
142	100		
127	44.8	35.4	53.2
141	15.2	11.7	17.5



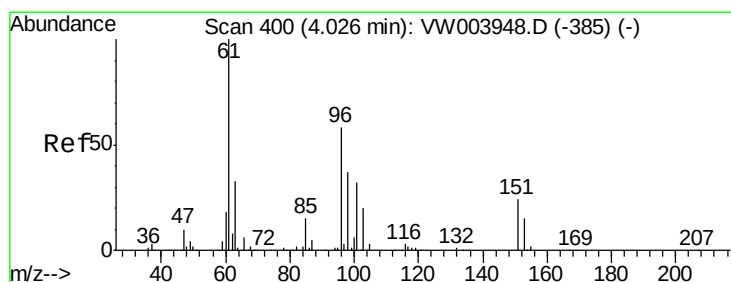
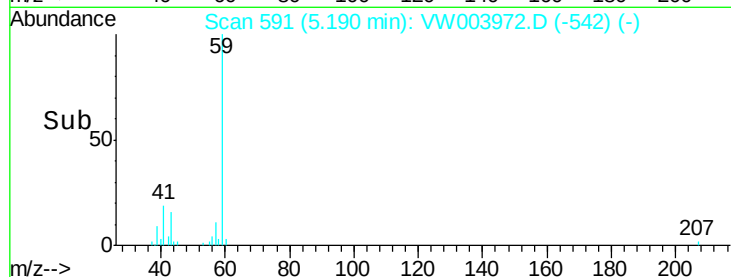
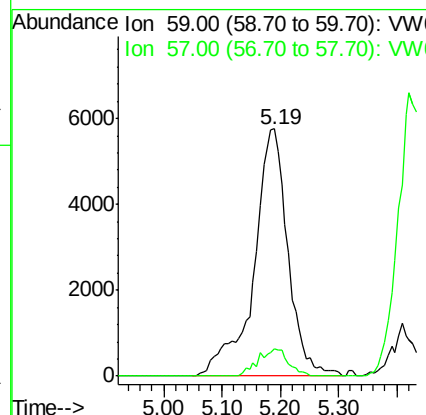
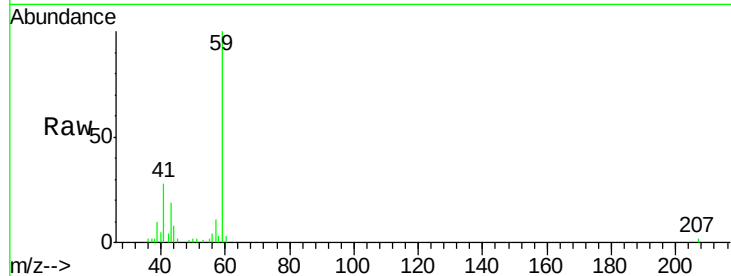


#11

Tert butyl alcohol
 Concen: 131.300 ug/l
 RT: 5.19 min Scan# 591
 Delta R.T. 0.00 min
 Lab File: VW003972.D
 Acq: 17 Jul 2018 02:15

Instrument :
 MSVOA_W
 ClientSampleId :

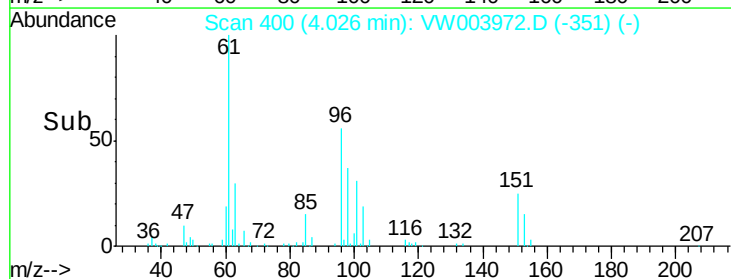
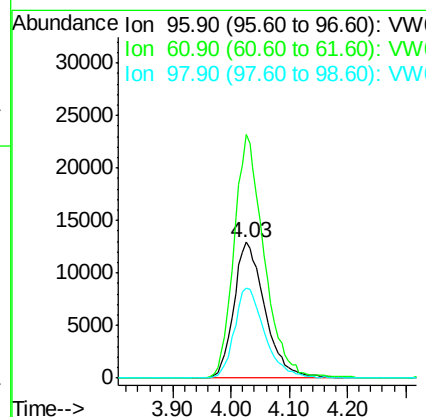
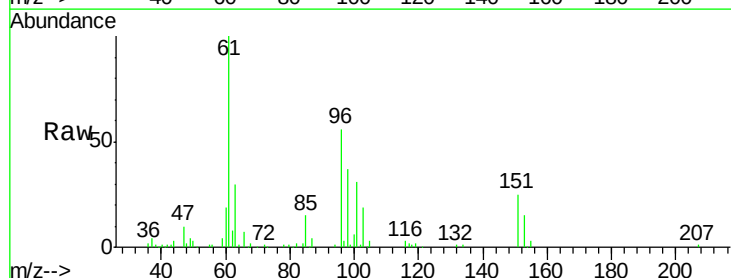
Tot Ion: 59 Resp: 23485
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.5 12.7

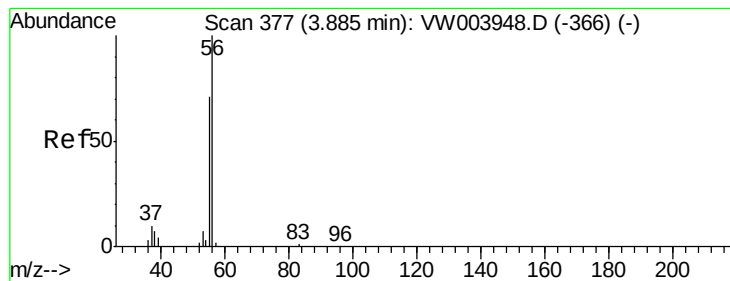


#12

1,1-Dichloroethene
 Concen: 21.287 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: VW003972.D
 Acq: 17 Jul 2018 02:15

Tgt Ion: 96 Resp: 47954
 Ion Ratio Lower Upper
 96 100
 61 179.6 137.0 205.6
 98 66.7 50.2 75.4





#13

Acrolein

Concen: 100.504 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Instrument :

MSVOA_W

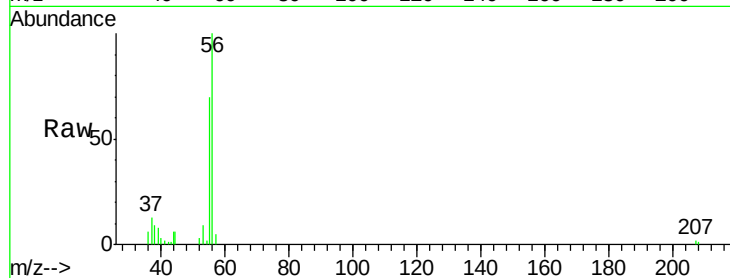
ClientSampleId :

Tot Ion: 56 Resp: 18471

Ion Ratio Lower Upper

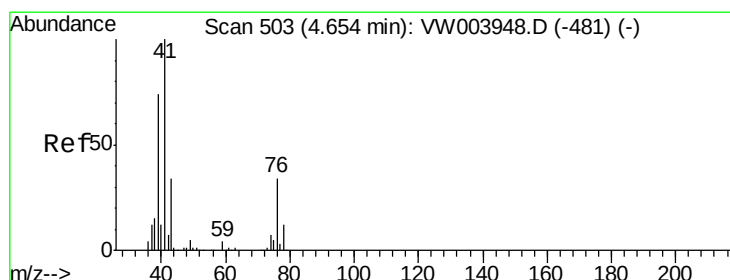
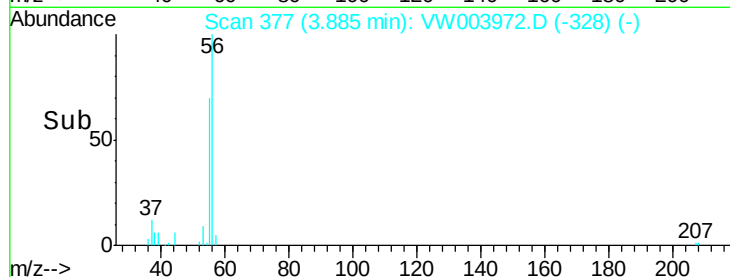
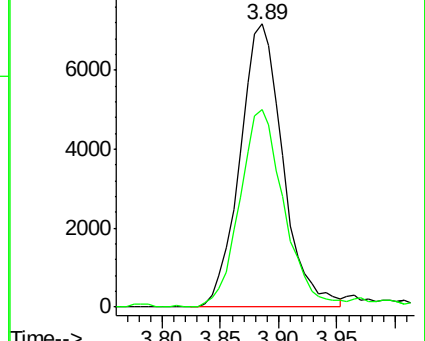
56 100

55 71.5 58.2 87.4



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 20.347 ug/l

RT: 4.65 min Scan# 503

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

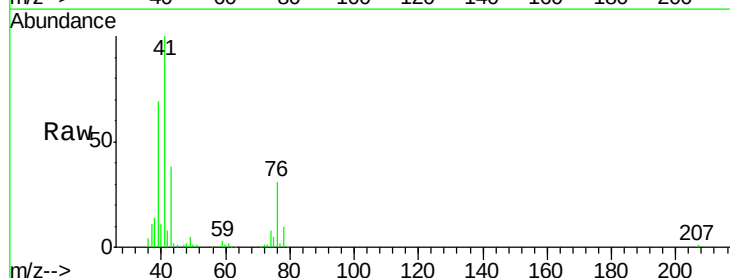
Tgt Ion: 41 Resp: 75656

Ion Ratio Lower Upper

41 100

39 71.9 57.0 85.4

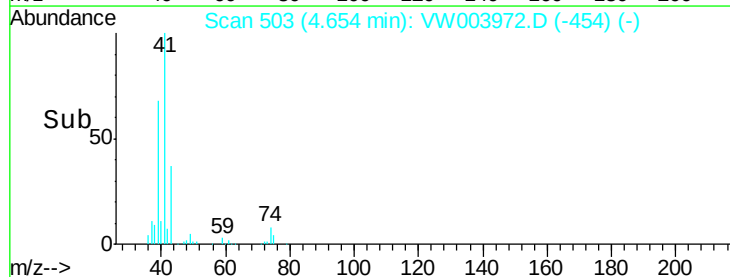
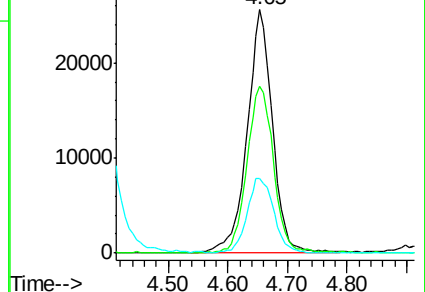
76 32.5 26.5 39.7

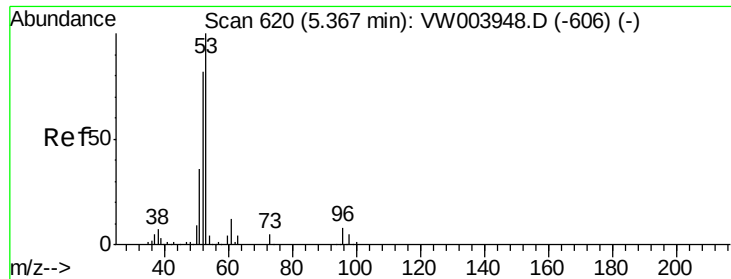


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 115.345 ug/l

RT: 5.37 min Scan# 620

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Instrument :
MSVOA_W
ClientSampled :

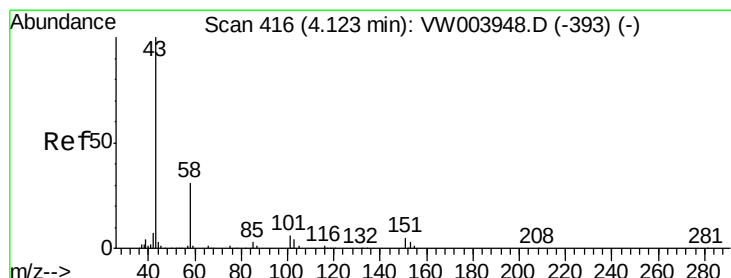
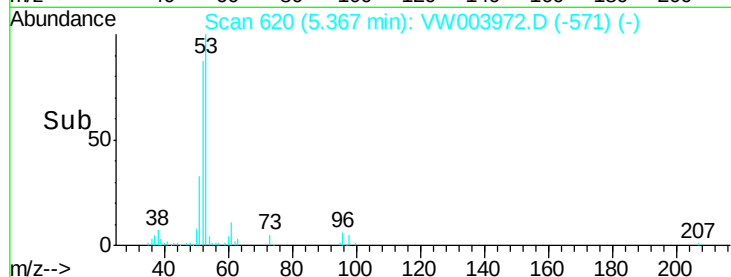
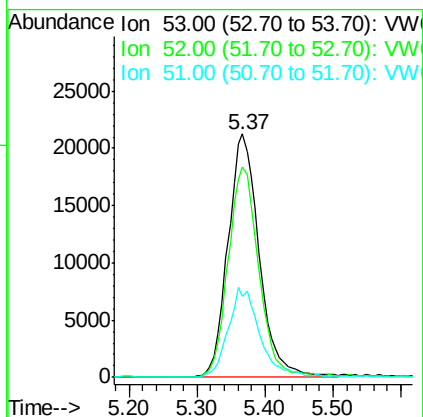
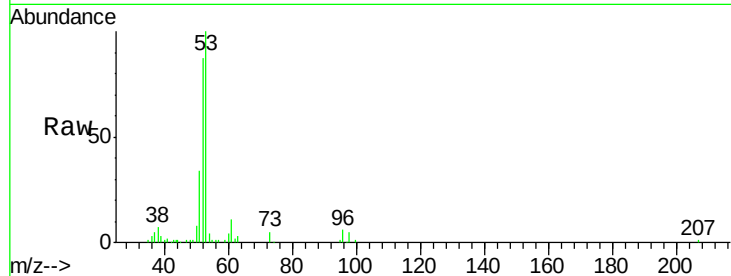
Tot Ion: 53 Resp: 67879

Ion Ratio Lower Upper

53 100

52 84.5 66.1 99.1

51 37.3 29.8 44.6



#16

Acetone

Concen: 93.804 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW003972.D

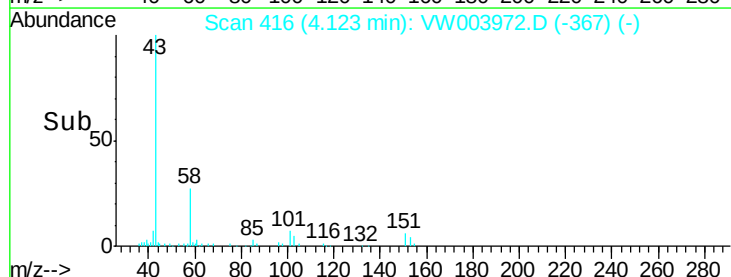
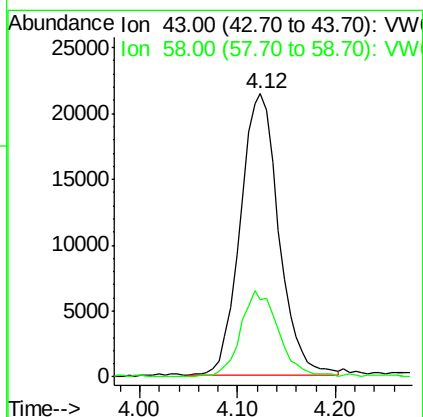
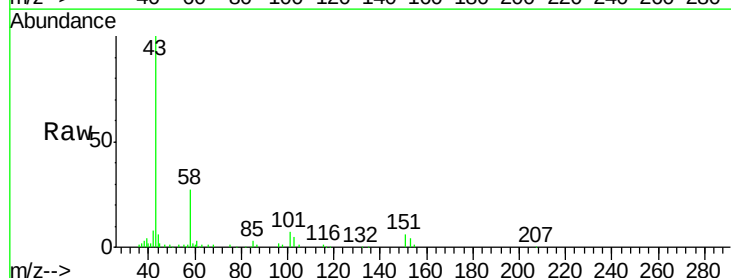
Acq: 17 Jul 2018 02:15

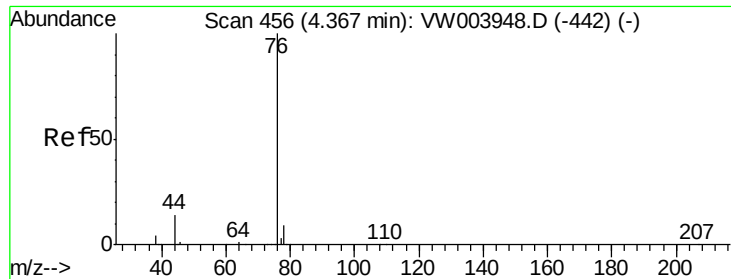
Tgt Ion: 43 Resp: 58404

Ion Ratio Lower Upper

43 100

58 27.4 24.5 36.7

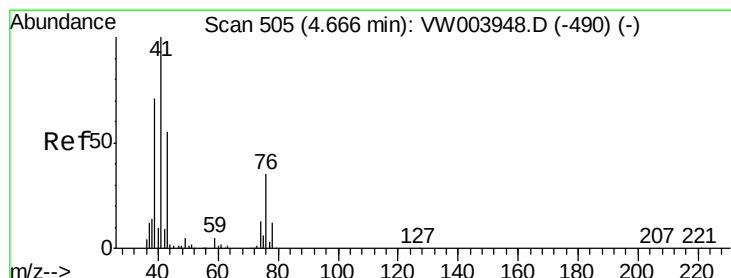
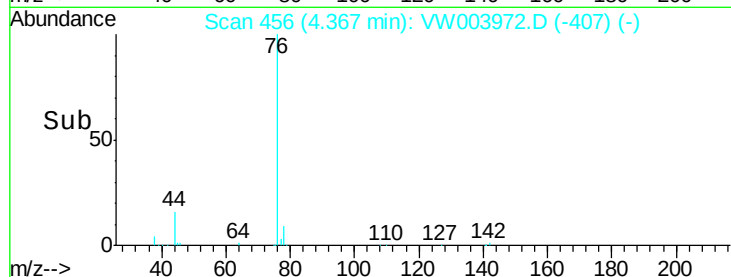
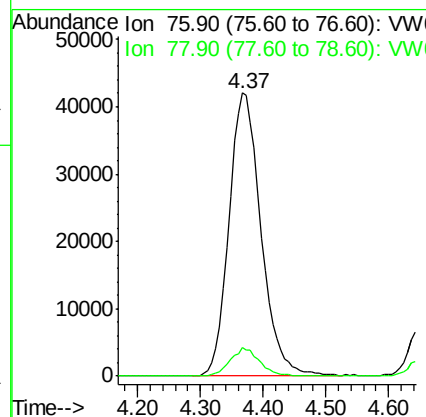
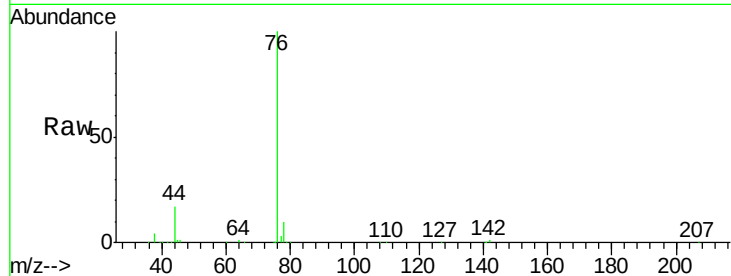




#17
Carbon Disulfide
Concen: 21.132 ug/l
RT: 4.37 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

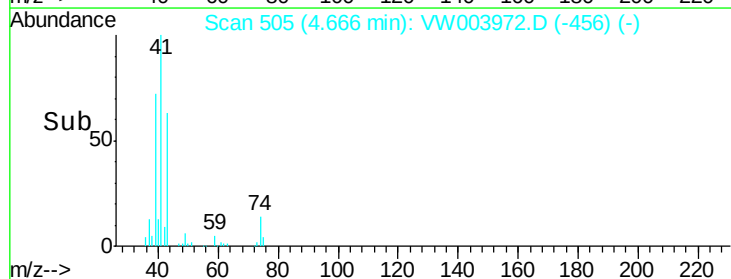
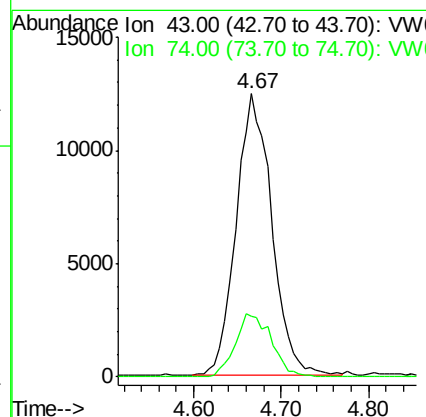
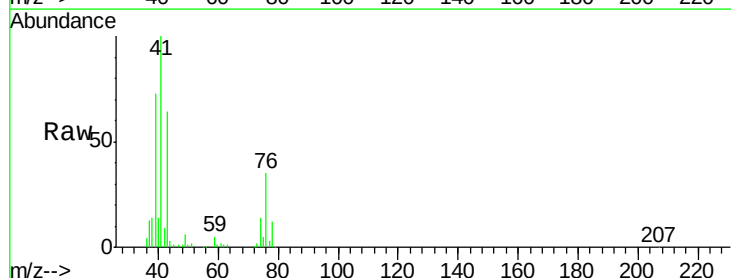
Instrument :
MSVOA_W
ClientSampleId :

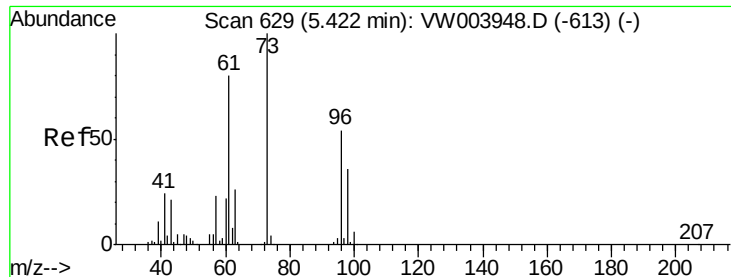
Tot Ion: 76 Resp: 148590
Ion Ratio Lower Upper
76 100
78 10.0 7.1 10.7



#18
Methyl Acetate
Concen: 23.591 ug/l
RT: 4.67 min Scan# 505
Delta R.T. 0.00 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

Tgt Ion: 43 Resp: 35257
Ion Ratio Lower Upper
43 100
74 22.6 17.7 26.5

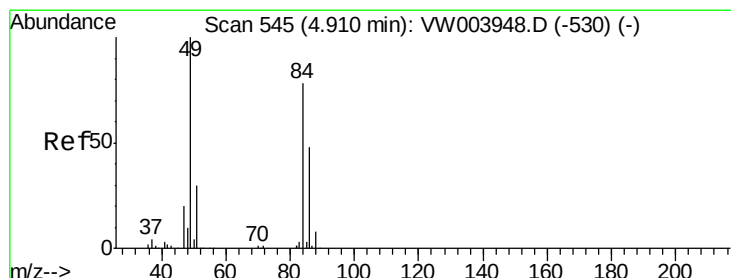
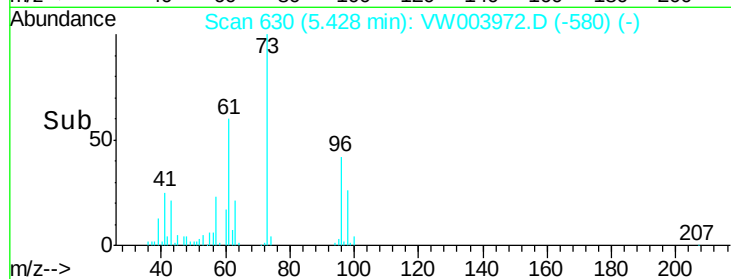
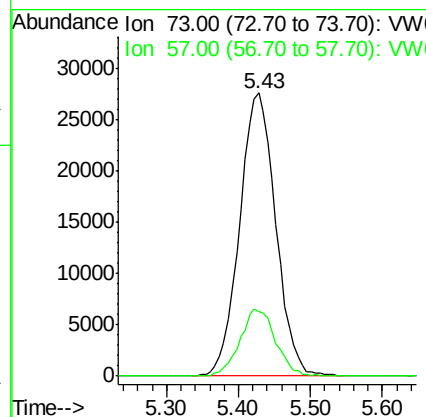
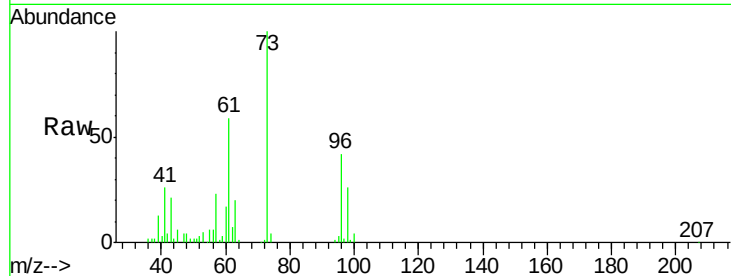




#19
Methyl tert-butyl Ether
Concen: 22.241 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

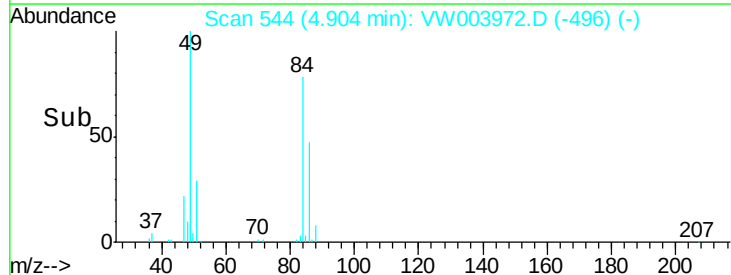
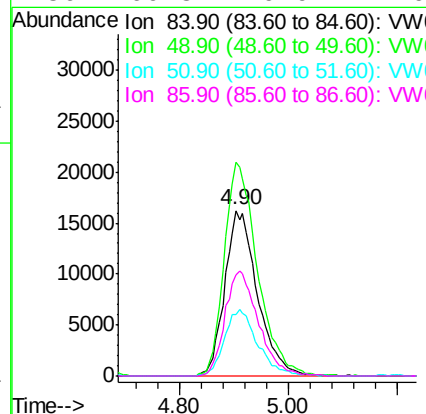
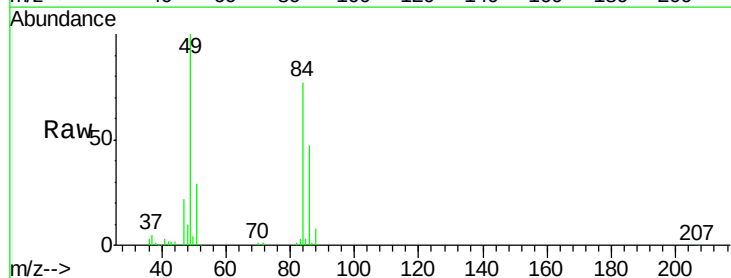
Instrument :
MSVOA_W
ClientSampleId :

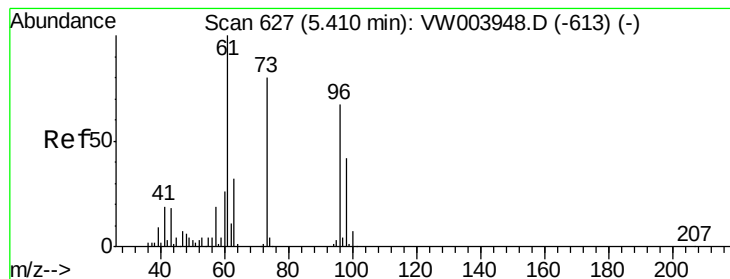
Tot Ion: 73 Resp: 96020
Ion Ratio Lower Upper
73 100
57 22.9 18.2 27.4



#20
Methylene Chloride
Concen: 19.870 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

Tgt Ion: 84 Resp: 67640
Ion Ratio Lower Upper
84 100
49 129.2 102.9 154.3
51 36.8 30.9 46.3
86 60.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 21.397 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.01 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Instrument :
MSVOA_W
ClientSampled :

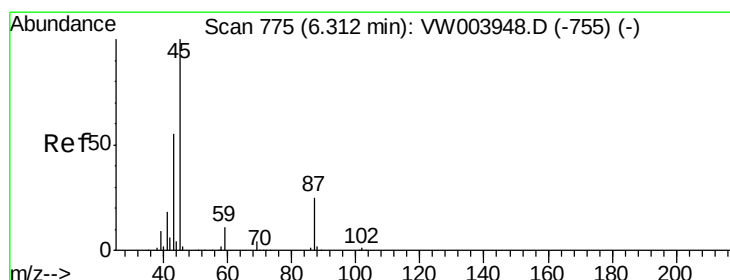
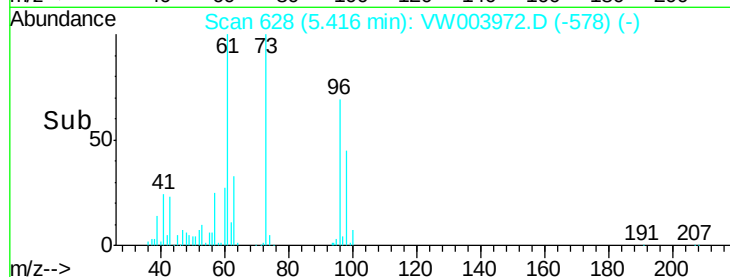
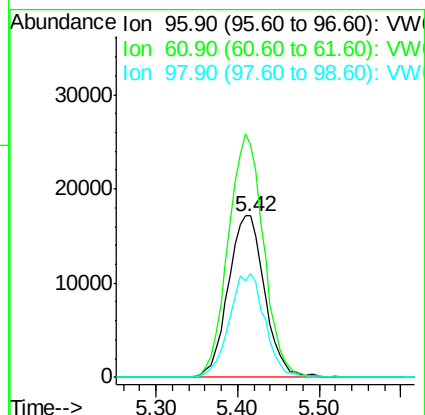
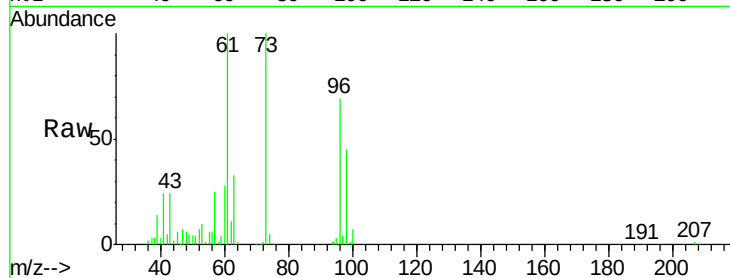
Tot Ion: 96 Resp: 52835

Ion Ratio Lower Upper

96 100

61 143.8 119.0 178.4

98 64.8 49.9 74.9



#22

Diisopropyl ether

Concen: 23.344 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Tgt Ion: 45 Resp: 175429

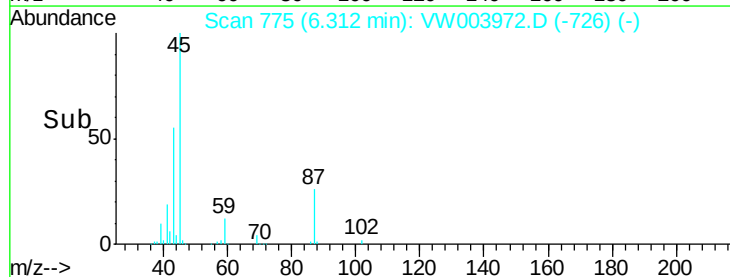
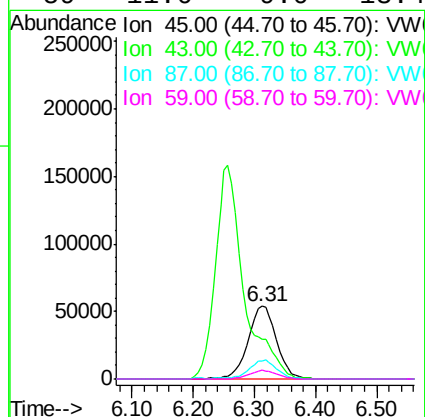
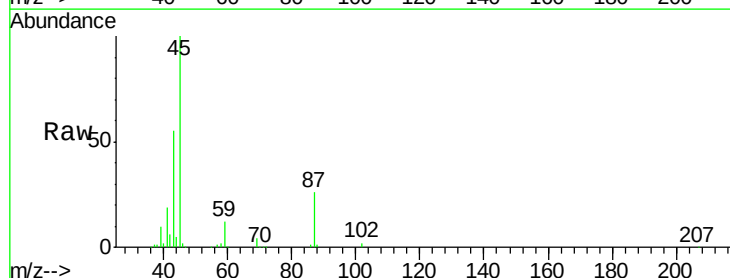
Ion Ratio Lower Upper

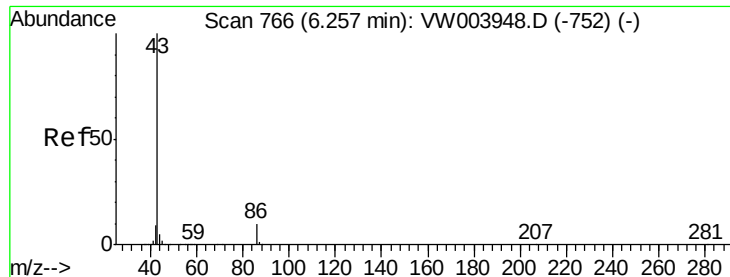
45 100

43 54.2 44.3 66.5

87 25.4 20.2 30.4

59 11.6 9.0 13.4





#23

Vinyl Acetate

Concen: 108.829 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Instrument :

MSVOA_W

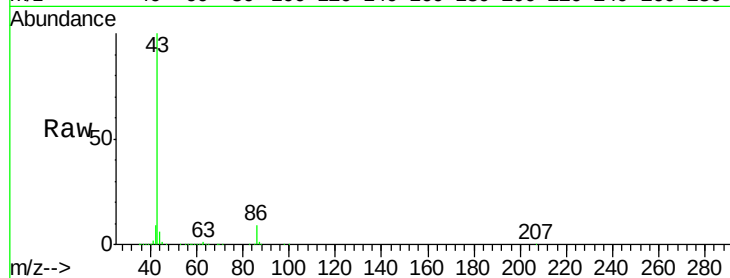
ClientSampleId :

Tot Ion: 43 Resp: 518193

Ion Ratio Lower Upper

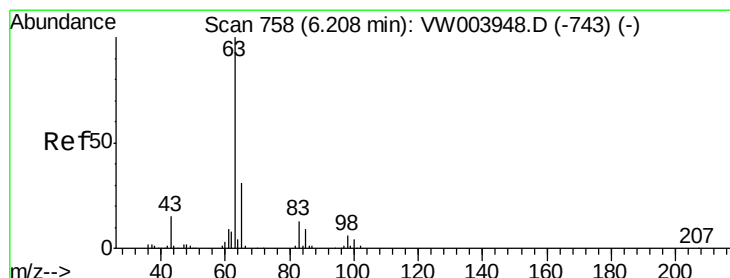
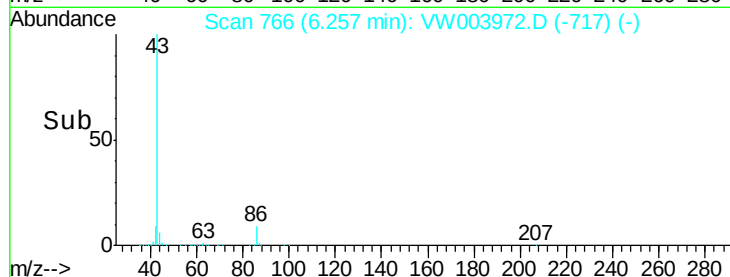
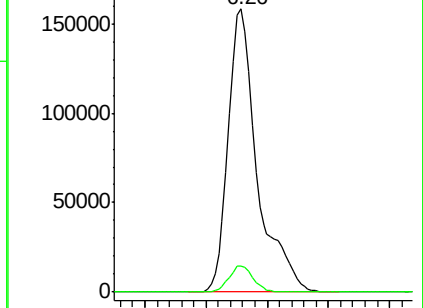
43 100

86 9.0 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 22.181 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

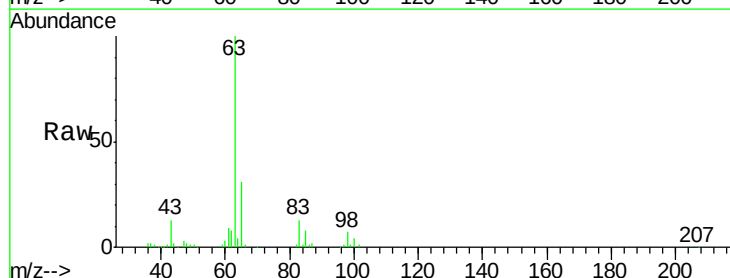
Tgt Ion: 63 Resp: 101707

Ion Ratio Lower Upper

63 100

98 7.1 3.1 9.4

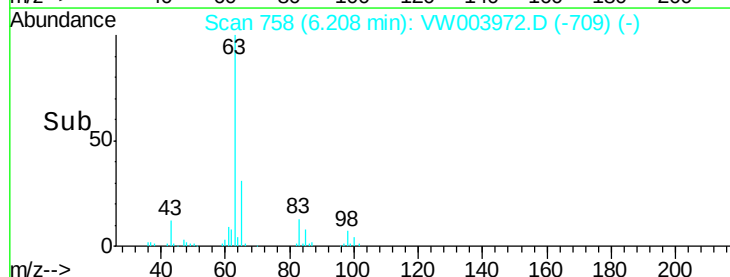
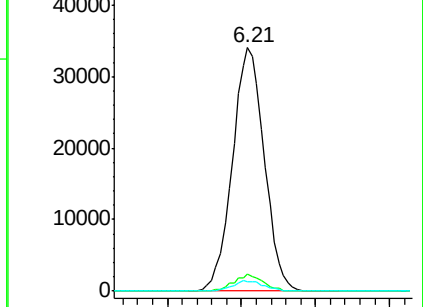
100 4.1 2.1 6.5

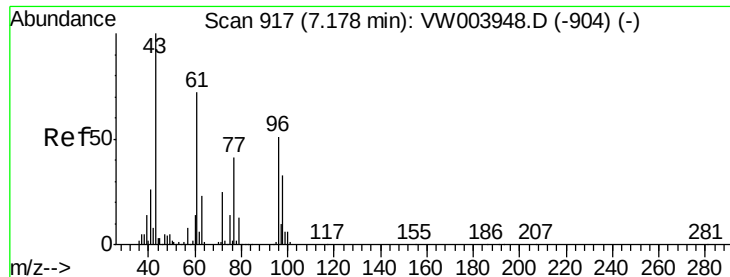


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 110.059 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Instrument :

MSVOA_W

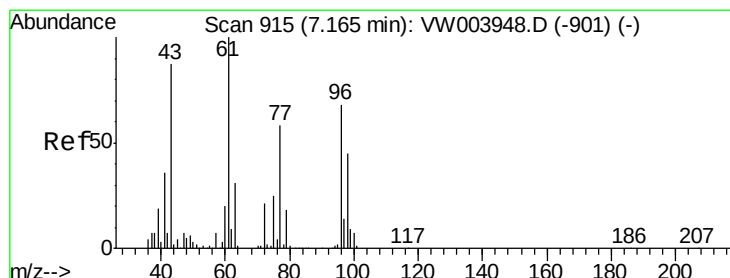
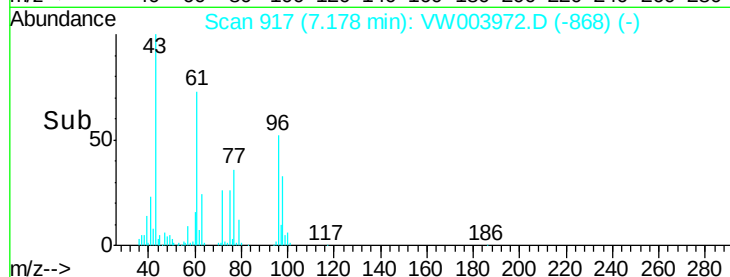
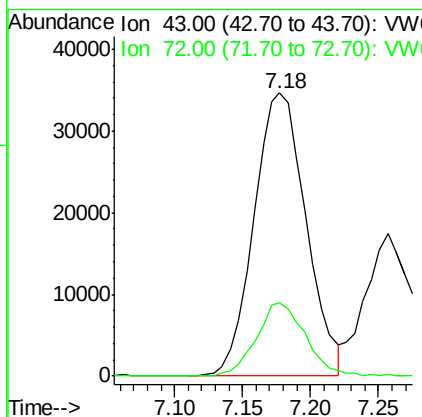
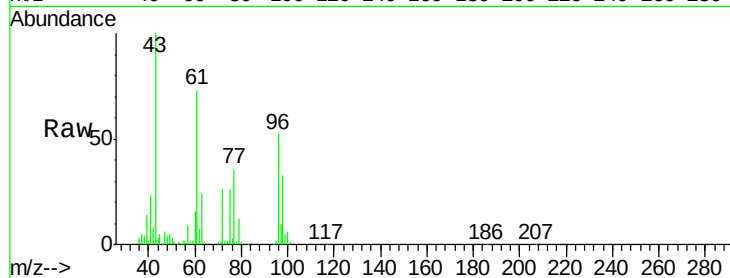
ClientSampleId :

Tot Ion: 43 Resp: 92215

Ion Ratio Lower Upper

43 100

72 26.1 19.8 29.6



#26

2,2-Dichloropropane

Concen: 17.405 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW003972.D

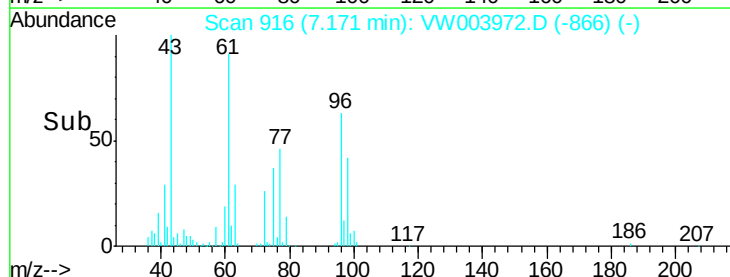
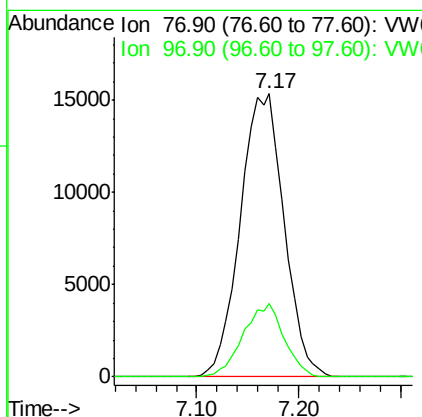
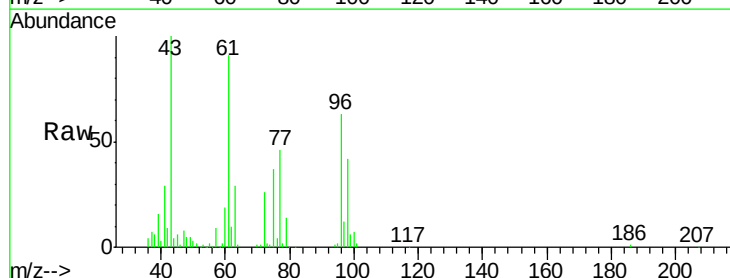
Acq: 17 Jul 2018 02:15

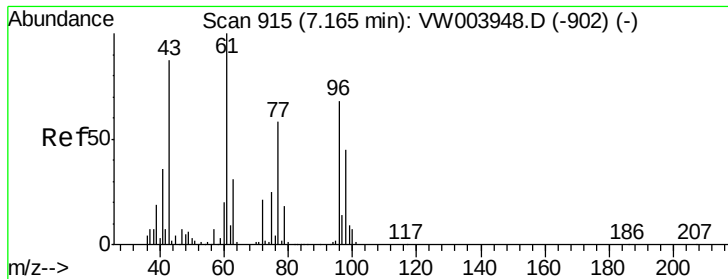
Tgt Ion: 77 Resp: 45811

Ion Ratio Lower Upper

77 100

97 24.1 11.8 35.3



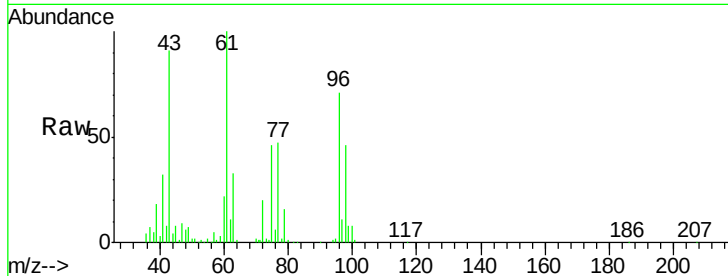


#27

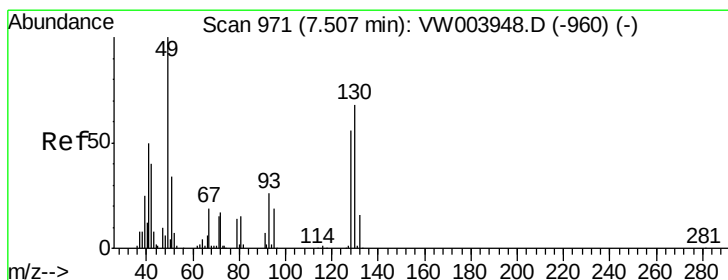
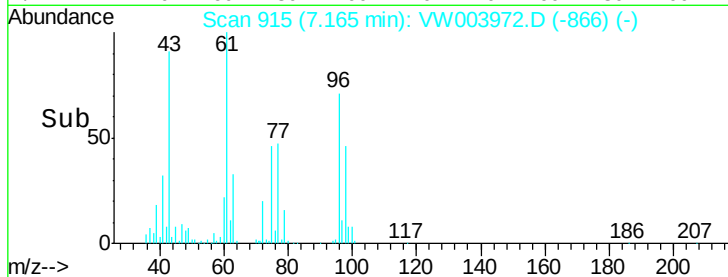
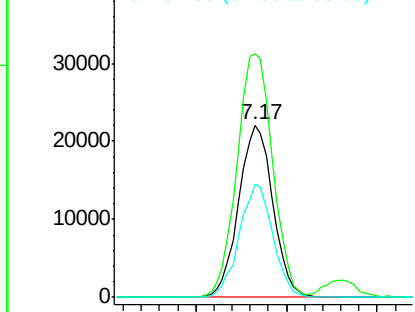
cis-1,2-Dichloroethene
Concen: 21.627 ug/l
RT: 7.17 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 57731
Ion Ratio Lower Upper
96 100
61 147.7 0.0 298.6
98 64.6 0.0 130.4



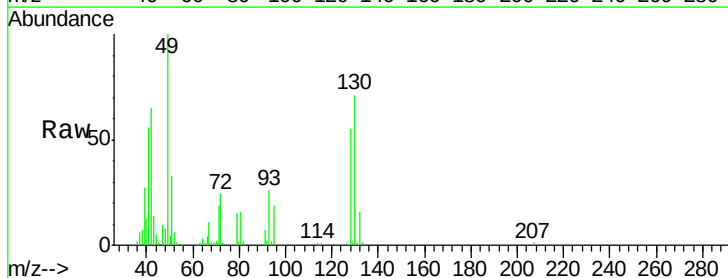
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



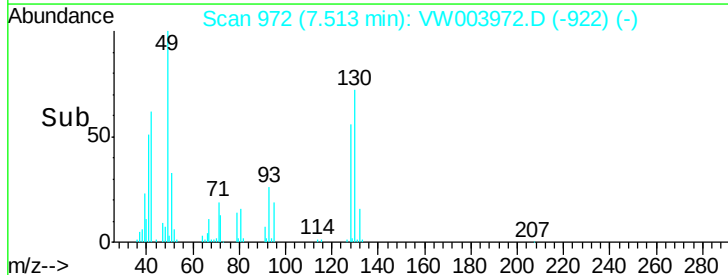
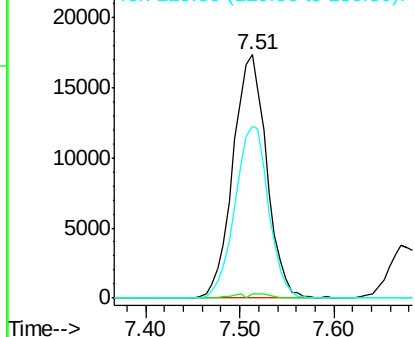
#28

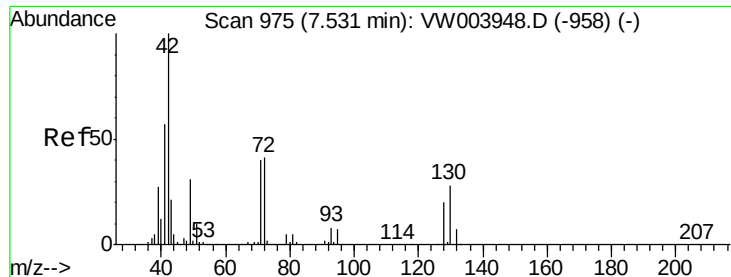
Bromochloromethane
Concen: 22.935 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.01 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

Tgt Ion: 49 Resp: 43038
Ion Ratio Lower Upper
49 100
129 1.1 0.0 2.2
130 70.6 58.3 87.5



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

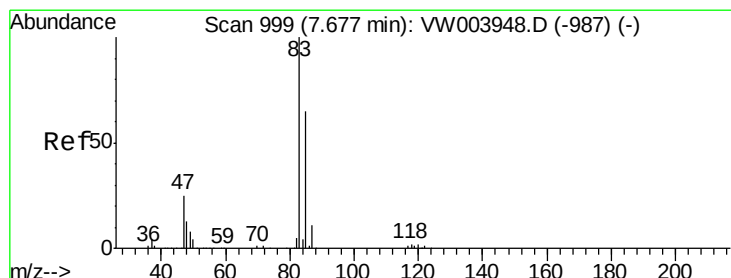
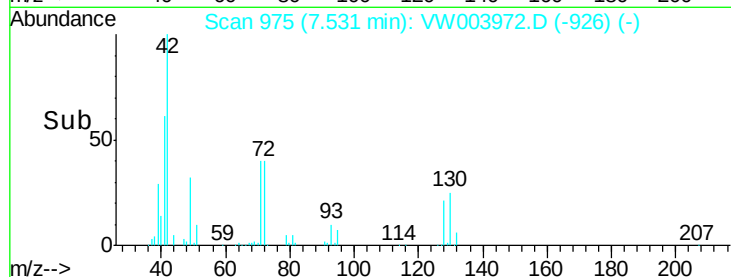
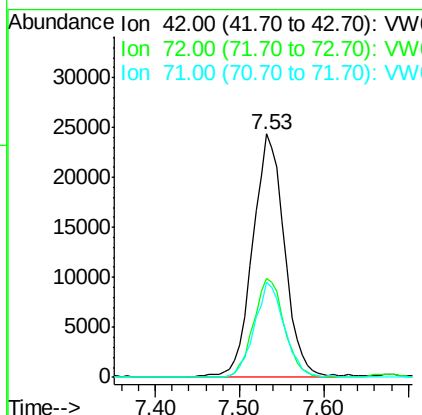
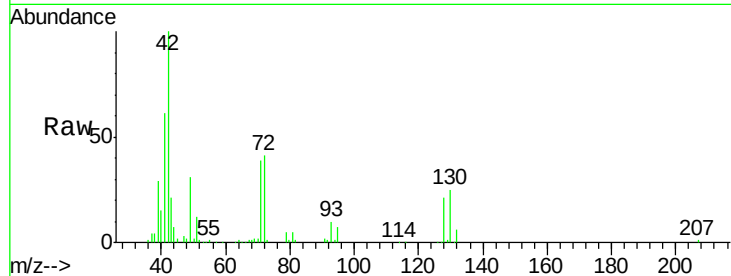




#29
Tetrahydrofuran
Concen: 120.428 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.00 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

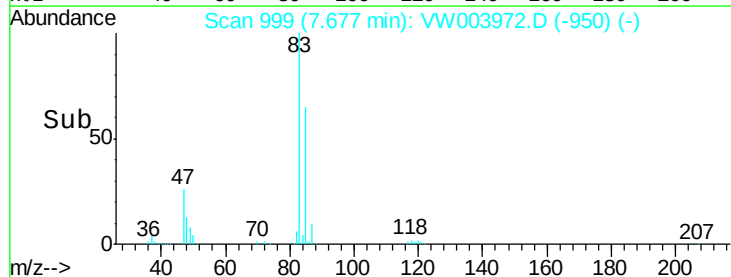
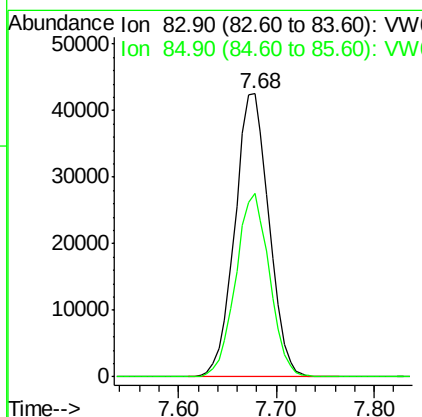
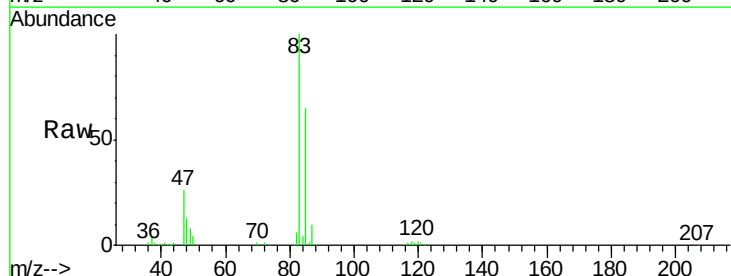
Instrument :
MSVOA_W
ClientSampled :

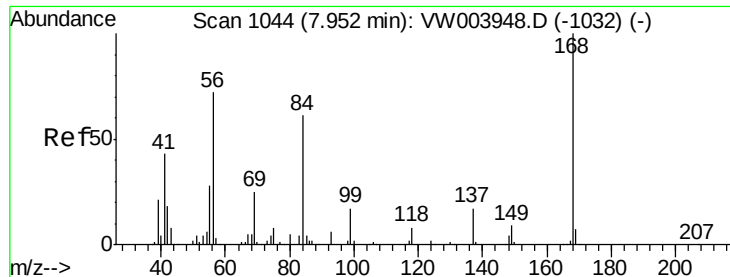
Tot Ion: 42 Resp: 62852
Ion Ratio Lower Upper
42 100
72 39.3 32.6 48.8
71 36.9 30.5 45.7



#30
Chloroform
Concen: 22.579 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

Tgt Ion: 83 Resp: 102981
Ion Ratio Lower Upper
83 100
85 65.0 52.2 78.4

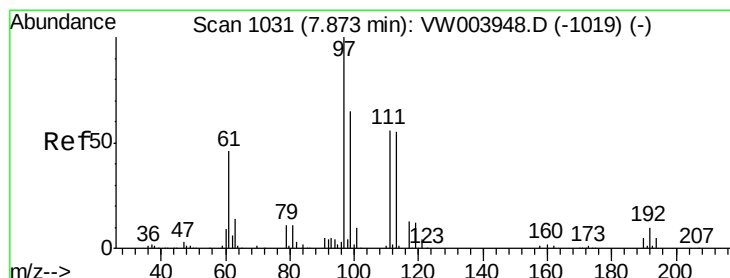
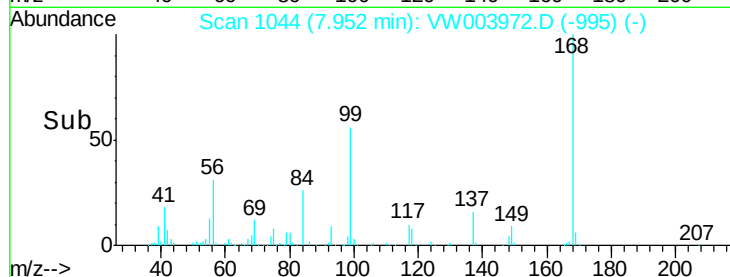
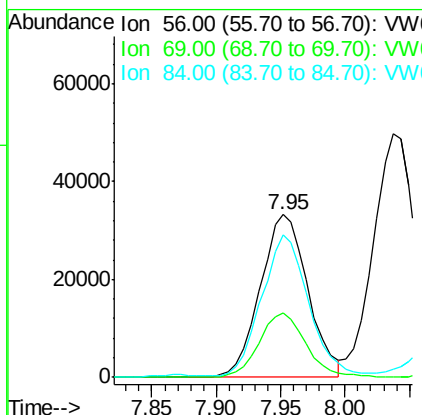
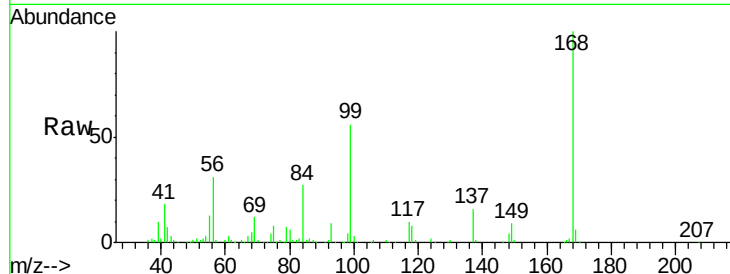




#31
Cyclohexane
Concen: 19.889 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

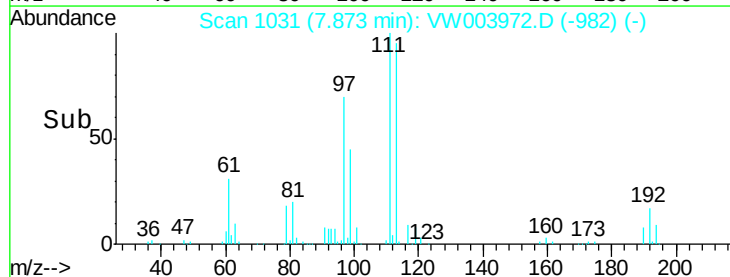
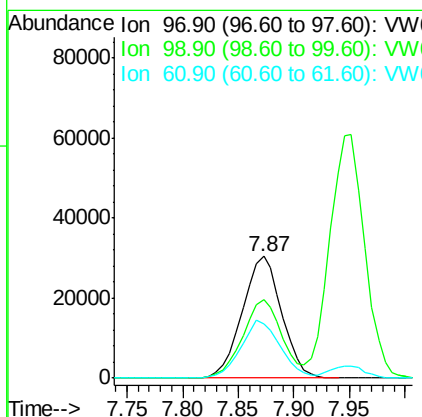
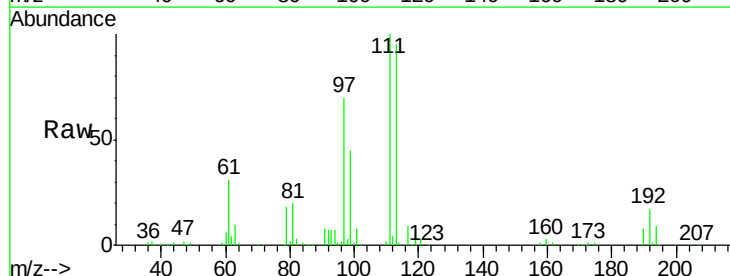
Instrument :
MSVOA_W
ClientSampleId :

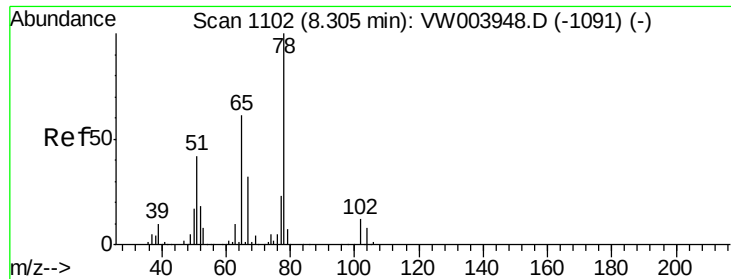
Tot Ion: 56 Resp: 85488
Ion Ratio Lower Upper
56 100
69 39.5 27.8 41.8
84 86.2 67.2 100.8



#32
1,1,1-Trichloroethane
Concen: 20.984 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

Tgt Ion: 97 Resp: 74737
Ion Ratio Lower Upper
97 100
99 64.7 51.3 76.9
61 47.4 36.8 55.2

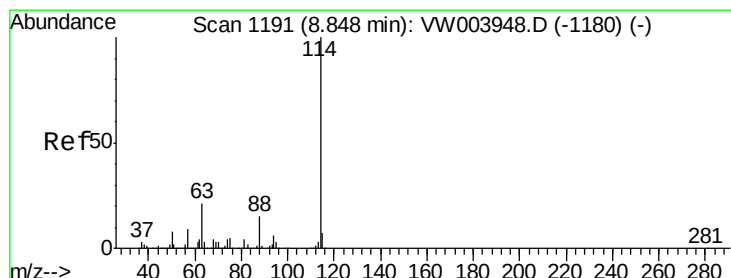
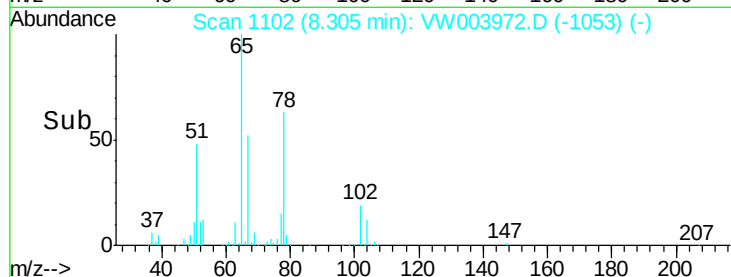
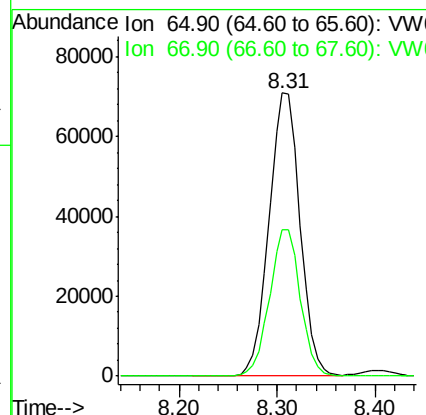
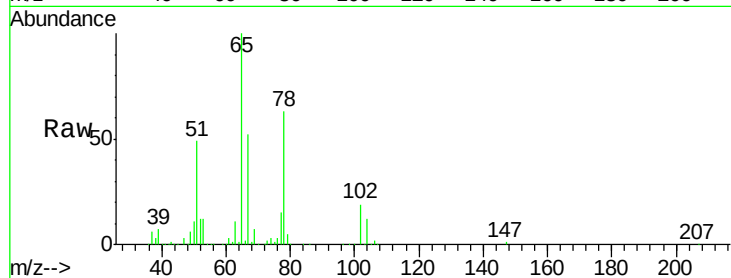




#33
 1,2-Dichloroethane-d4
 Concen: 60.392 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW003972.D
 Acq: 17 Jul 2018 02:15

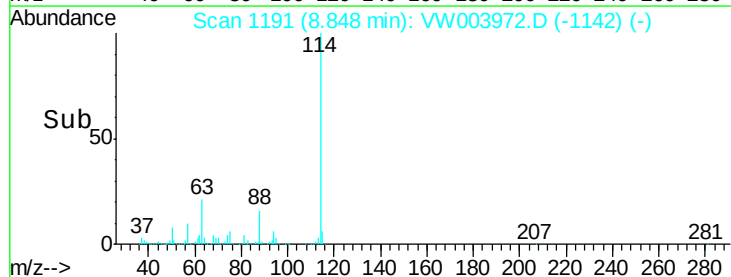
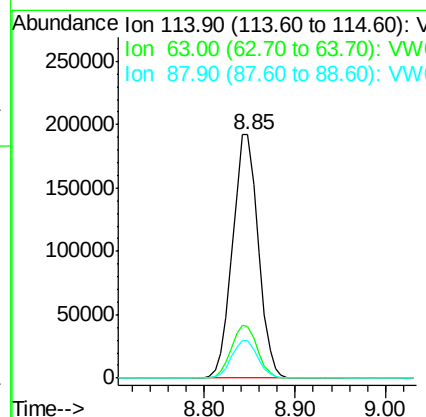
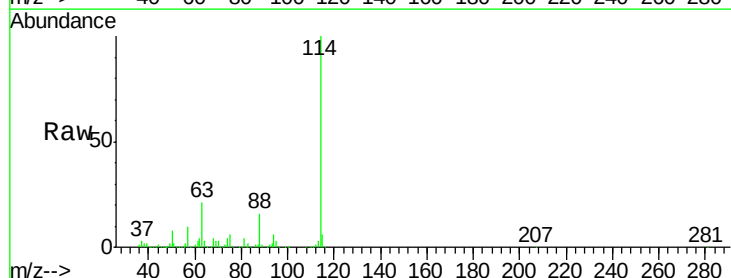
Instrument :
 MSVOA_W
 ClientSampleId :

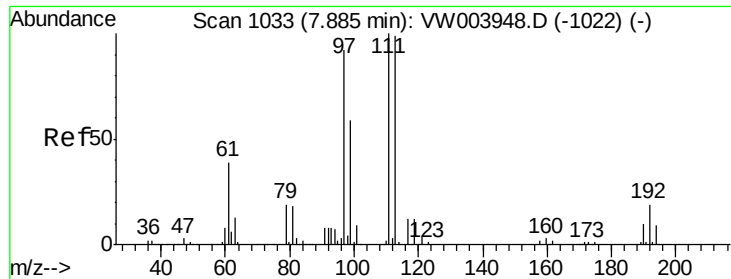
Tot Ion: 65 Resp: 156477
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003972.D
 Acq: 17 Jul 2018 02:15

Tgt Ion: 114 Resp: 379156
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.8
 88 15.5 0.0 30.4

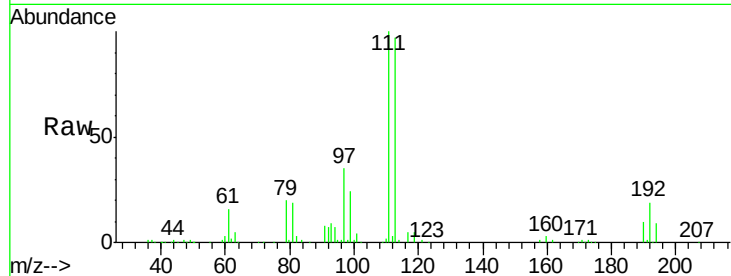




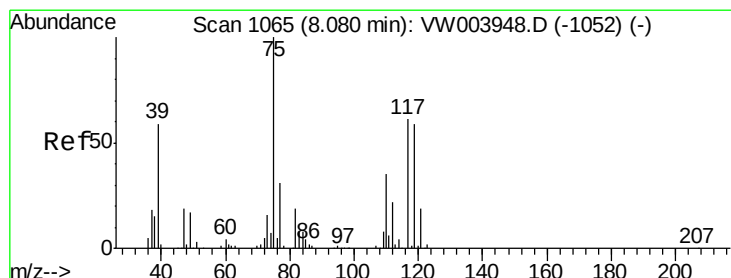
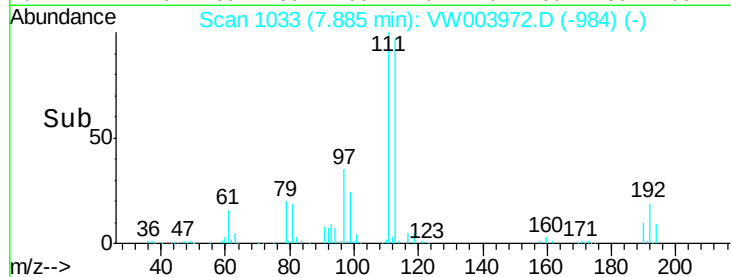
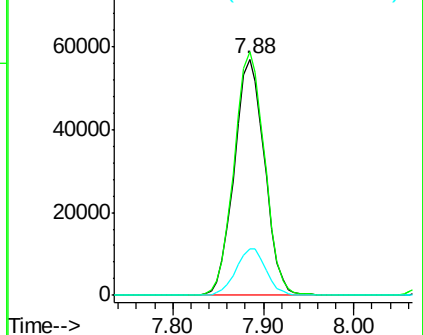
#35
 Dibromofluoromethane
 Concen: 54.413 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003972.D
 Acq: 17 Jul 2018 02:15

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.3	121.9
192	19.7	15.8	23.6

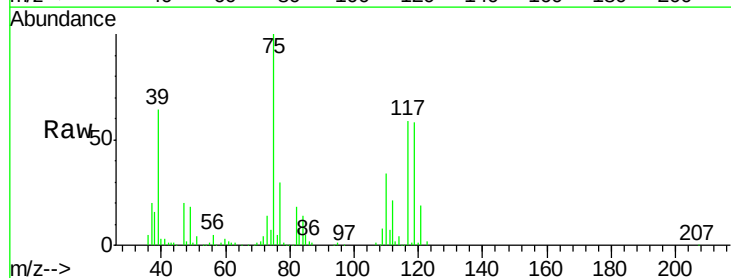


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

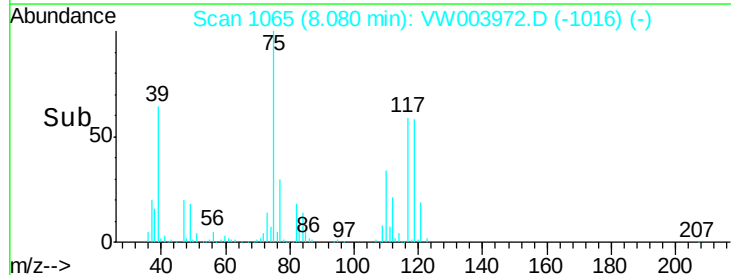
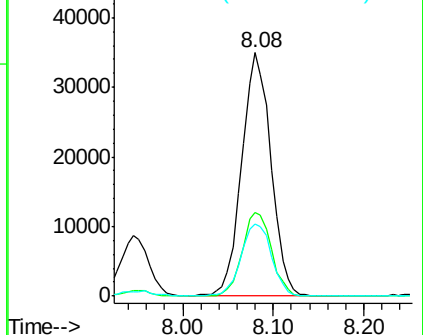


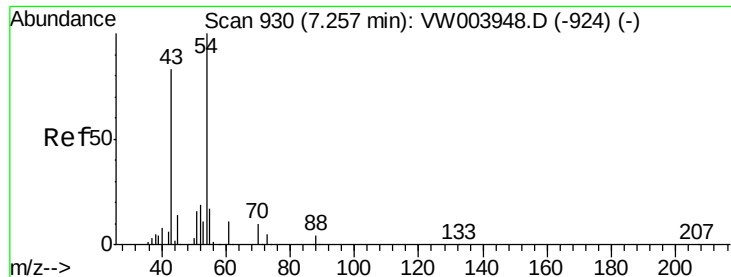
#36
 1,1-Dichloropropene
 Concen: 20.021 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW003972.D
 Acq: 17 Jul 2018 02:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.0	51.0
77	31.1	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

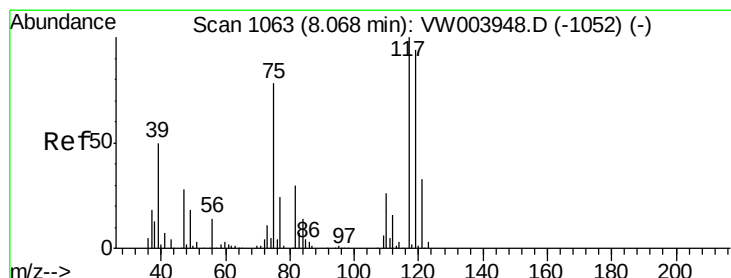
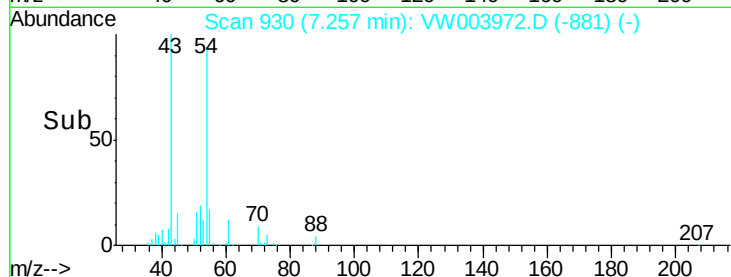
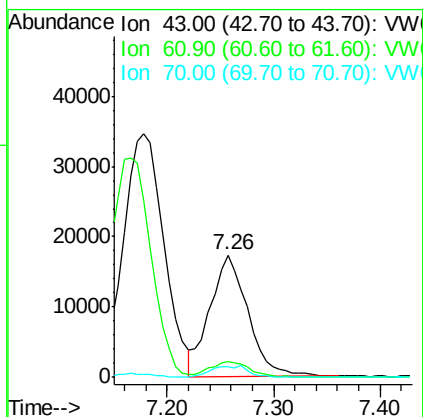
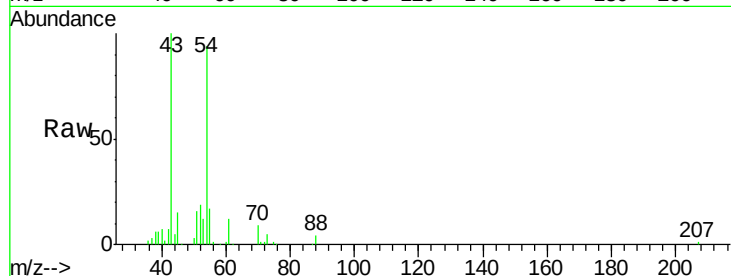




#37
Ethyl Acetate
Concen: 22.665 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

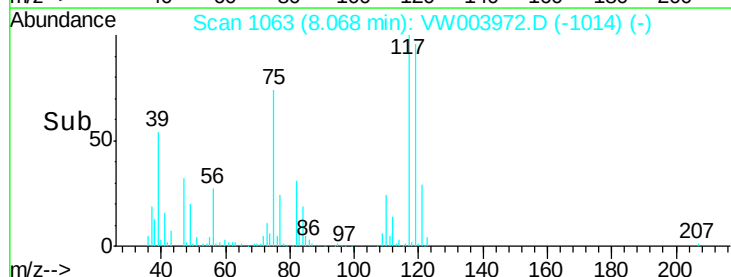
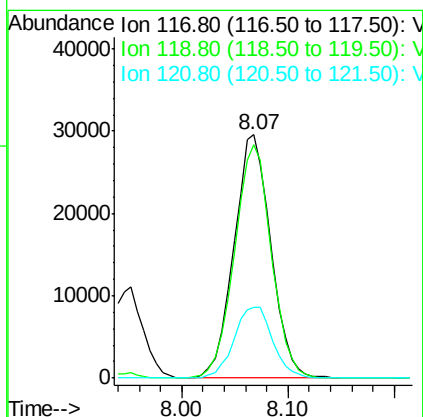
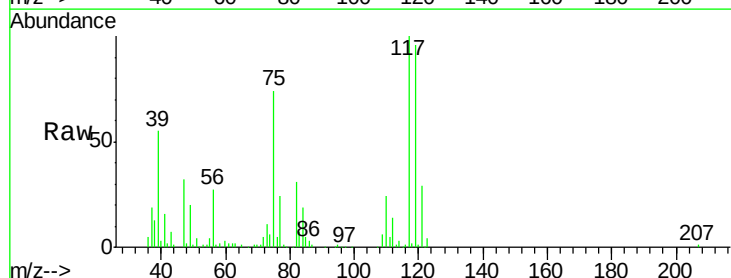
Instrument :
MSVOA_W
ClientSampled :

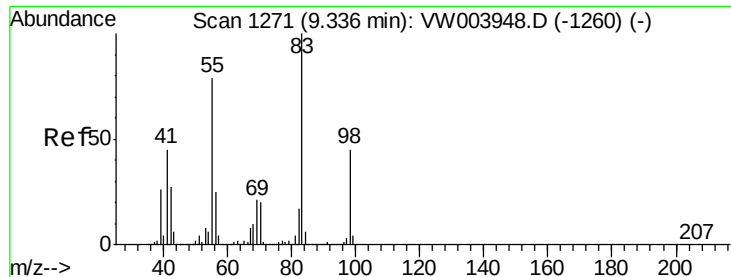
Tot Ion: 43 Resp: 42646
Ion Ratio Lower Upper
43 100
61 13.6 10.7 16.1
70 9.3 7.7 11.5



#38
Carbon Tetrachloride
Concen: 19.723 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

Tgt Ion: 117 Resp: 71891
Ion Ratio Lower Upper
117 100
119 96.1 75.3 112.9
121 29.2 26.0 39.0

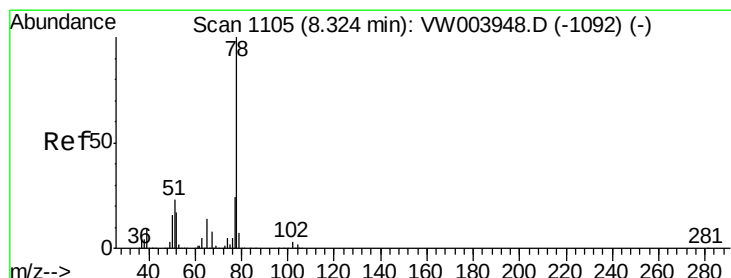
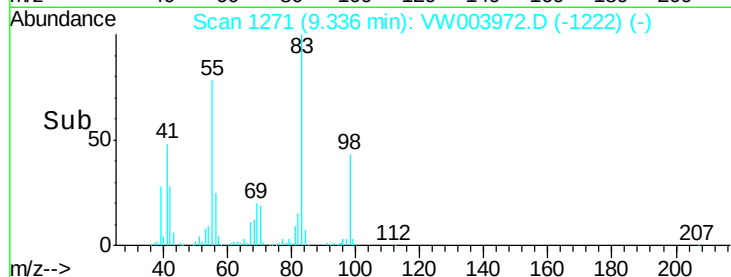
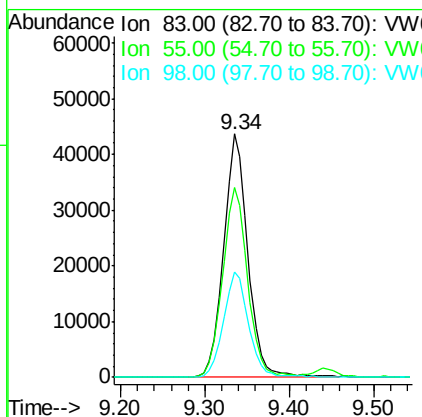
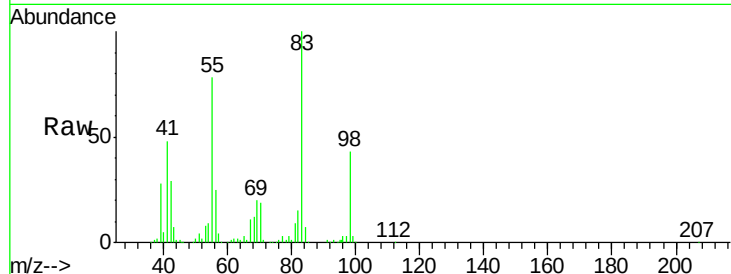




#39
Methylvlcyclohexane
Concen: 18.887 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

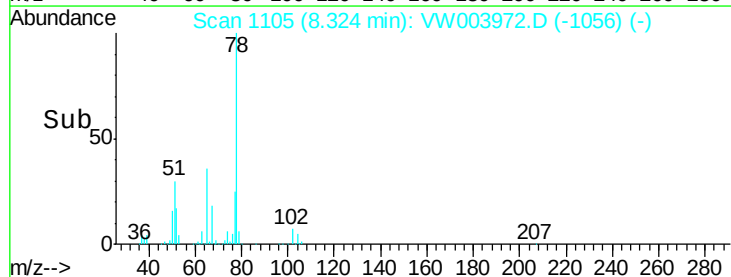
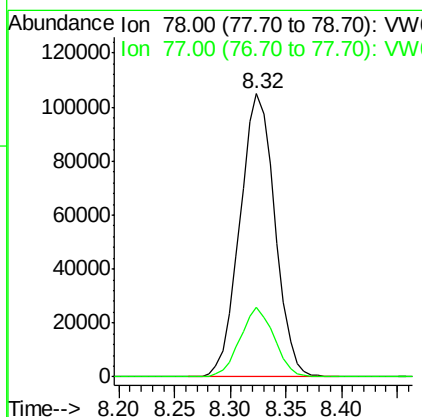
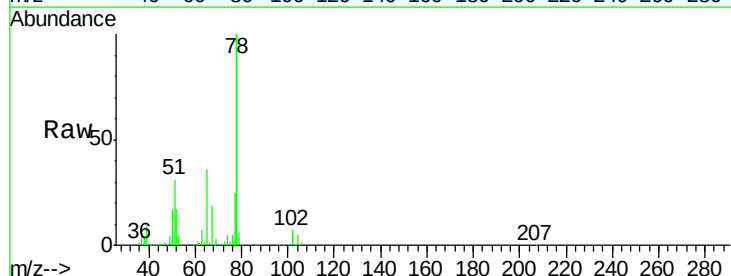
Instrument :
MSVOA_W
ClientSampleId :

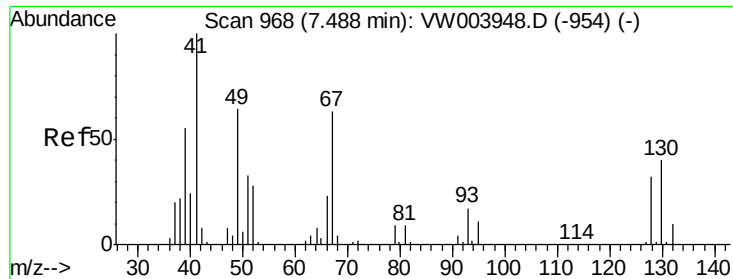
Tot Ion	83	Resp	86286
Ion	Ratio	Lower	Upper
83	100		
55	78.1	62.8	94.2
98	43.4	36.2	54.4



#40
Benzene
Concen: 21.207 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

Tgt Ion	78	Resp	229513
Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.5	29.3

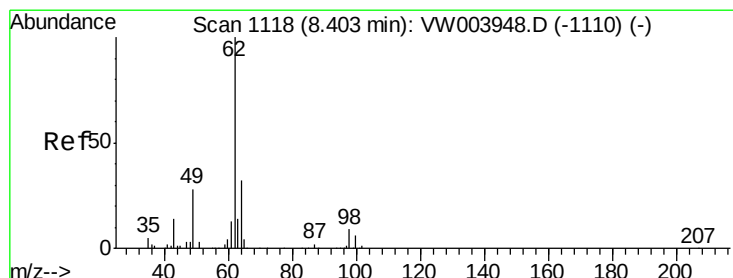
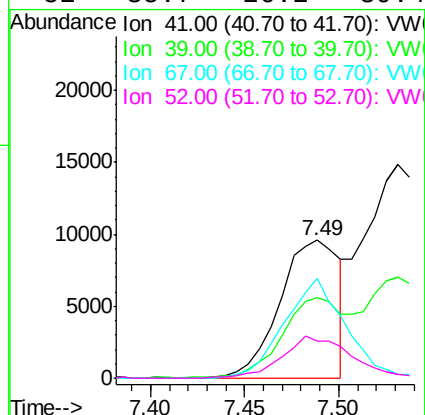
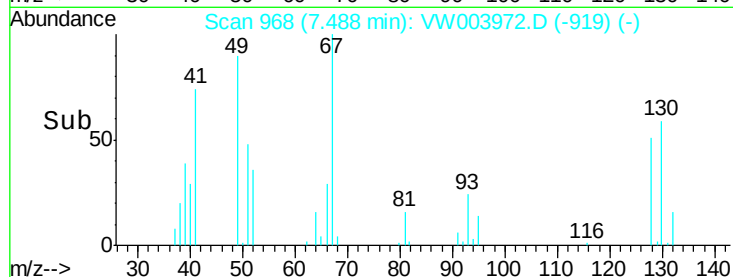
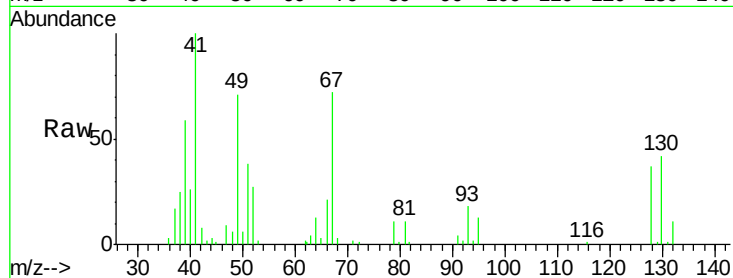




#41
Methacrylonitrile
Concen: 20.166 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

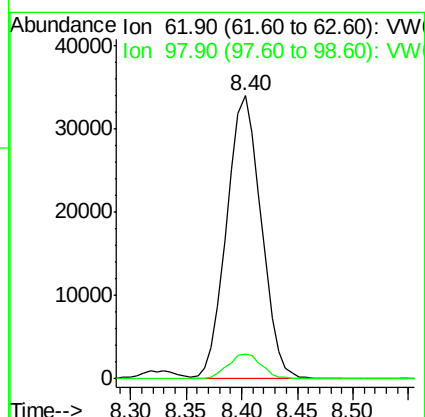
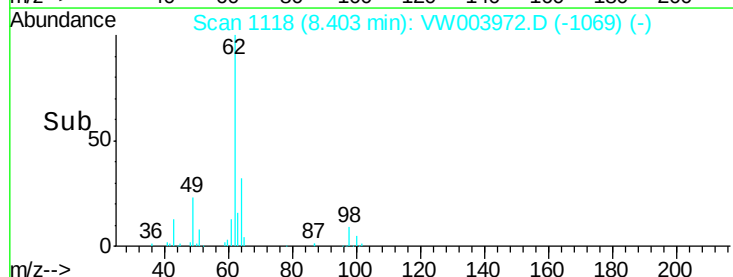
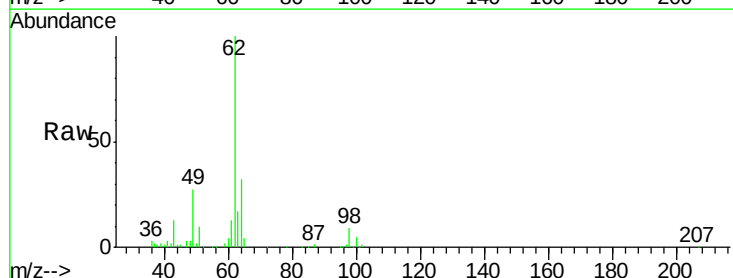
Instrument :
MSVOA_W
ClientSampleId :

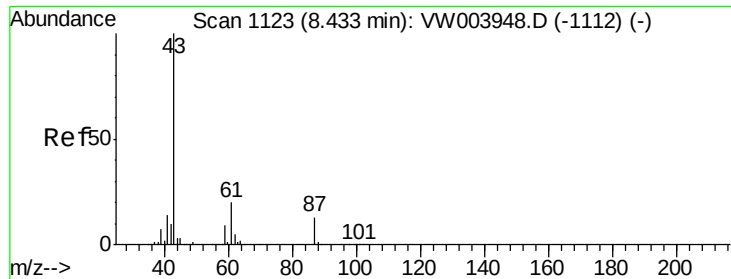
Tot Ion: 41 Resp: 21024
Ion Ratio Lower Upper
41 100
39 56.2 50.0 75.0
67 74.7 60.8 91.2
52 35.7 26.2 39.4



#42
1,2-Dichloroethane
Concen: 22.283 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

Tgt Ion: 62 Resp: 73573
Ion Ratio Lower Upper
62 100
98 8.5 0.0 17.4





#43

Isopropyl Acetate

Concen: 22.036 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

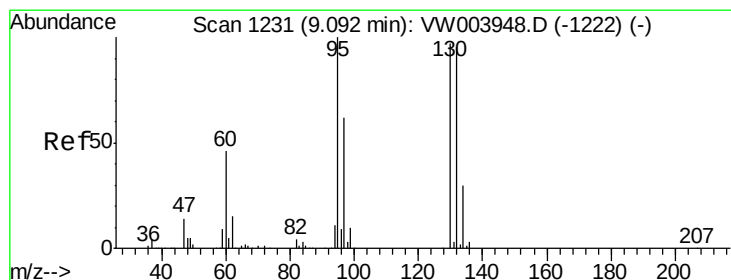
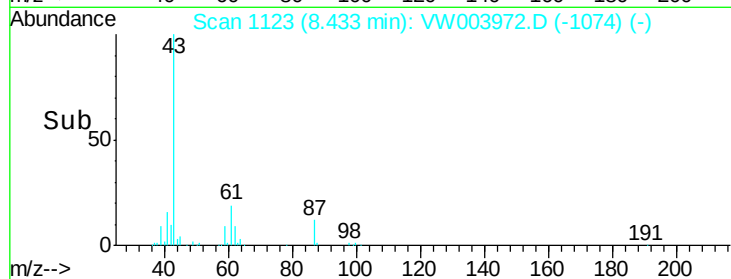
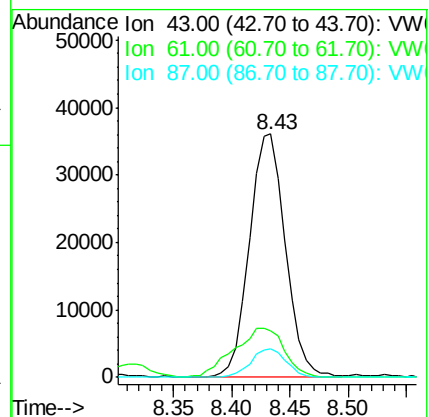
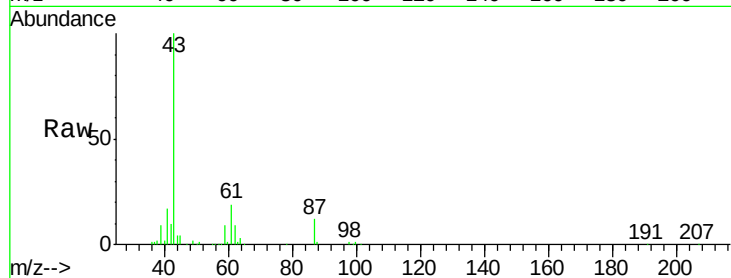
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 77550

Ion	Ratio	Lower	Upper
43	100		
61	28.4	23.0	34.6
87	11.8	9.9	14.9



#44

Trichloroethene

Concen: 20.221 ug/l

RT: 9.09 min Scan# 1231

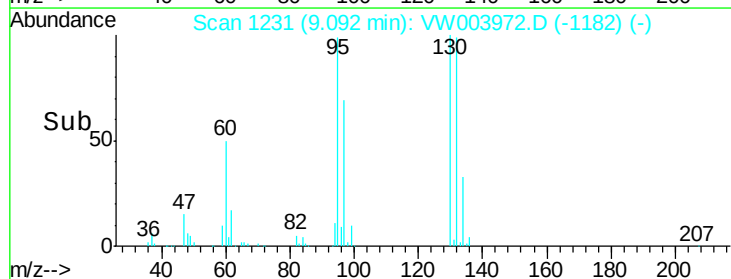
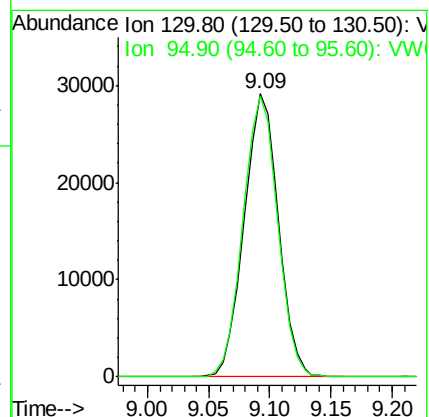
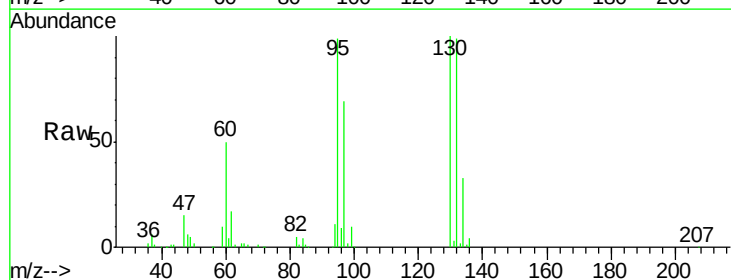
Delta R.T. 0.00 min

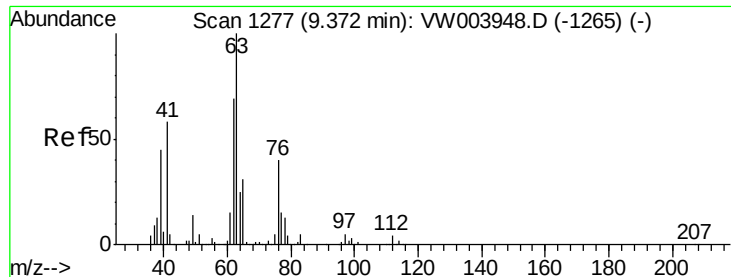
Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Tgt Ion: 130 Resp: 56727

Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	206.8

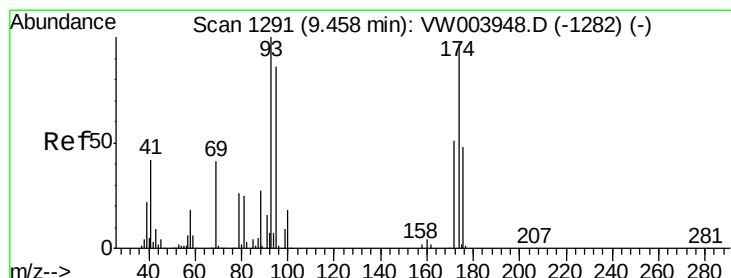
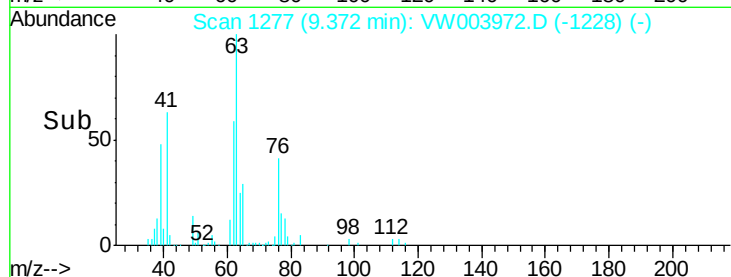
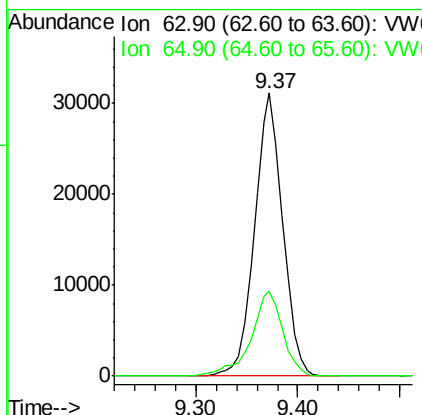
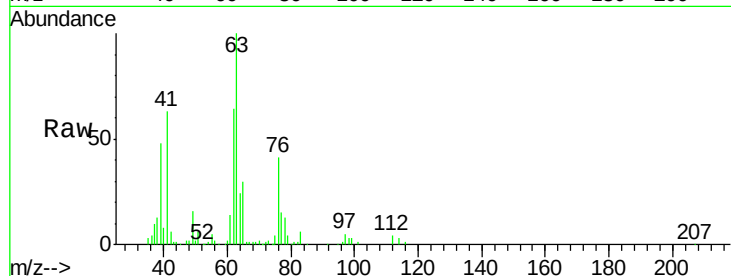




#45
 1,2-Dichloropropane
 Concen: 21.668 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003972.D
 Acq: 17 Jul 2018 02:15

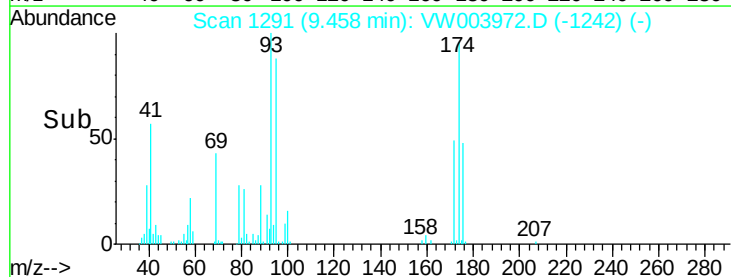
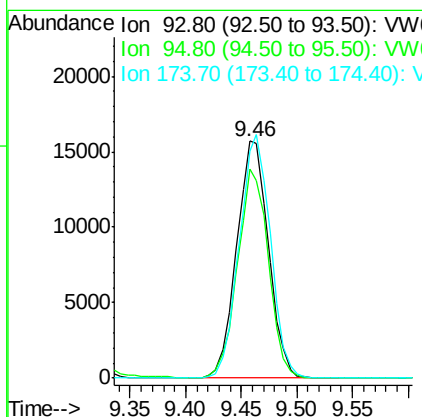
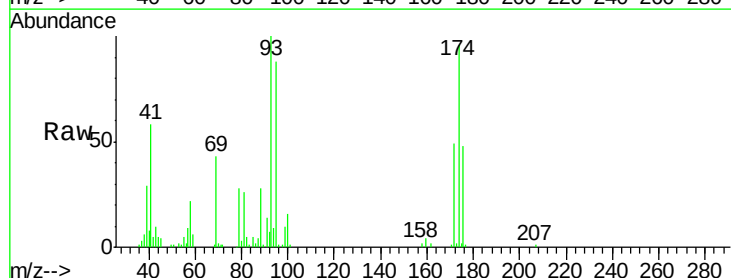
Instrument :
 MSVOA_W
 ClientSampleId :

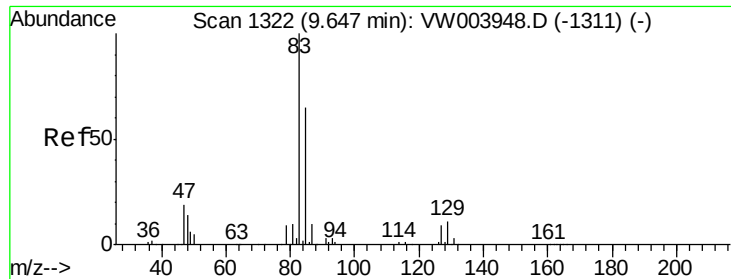
Tot Ion: 63 Resp: 59852
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.8 37.2



#46
 Dibromomethane
 Concen: 21.701 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VW003972.D
 Acq: 17 Jul 2018 02:15

Tgt Ion: 93 Resp: 31106
 Ion Ratio Lower Upper
 93 100
 95 85.4 66.9 100.3
 174 100.4 80.2 120.2

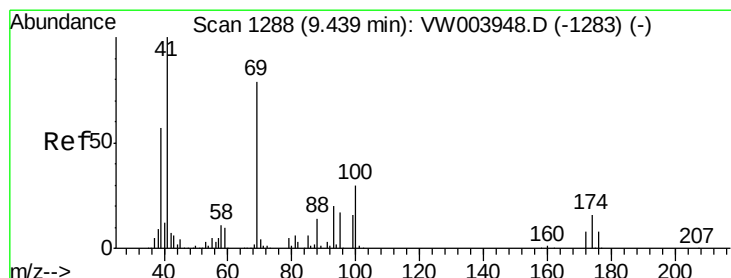
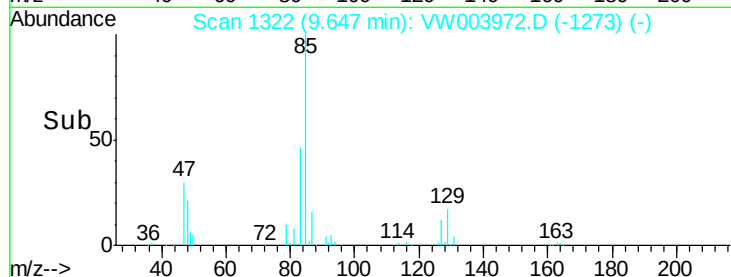
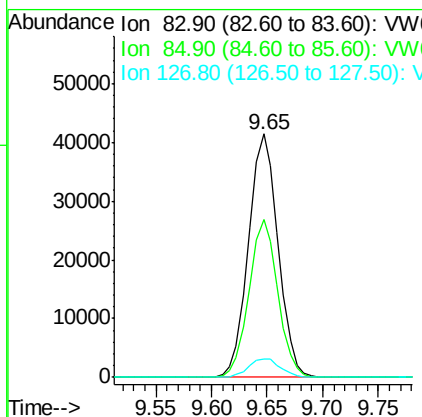
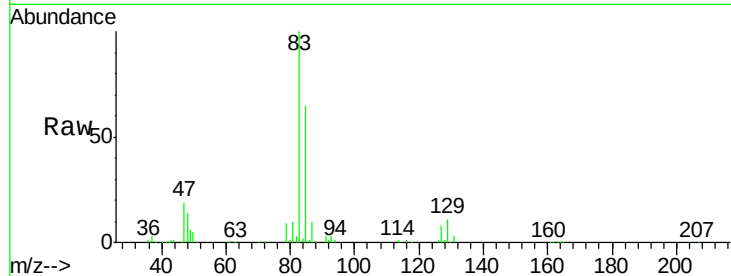




#47
 Bromodichloromethane
 Concen: 21.719 ug/l
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW003972.D
 Acq: 17 Jul 2018 02:15

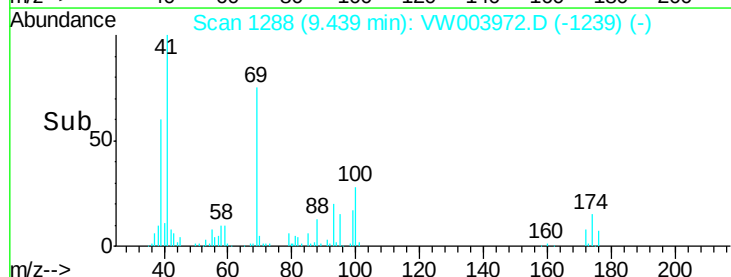
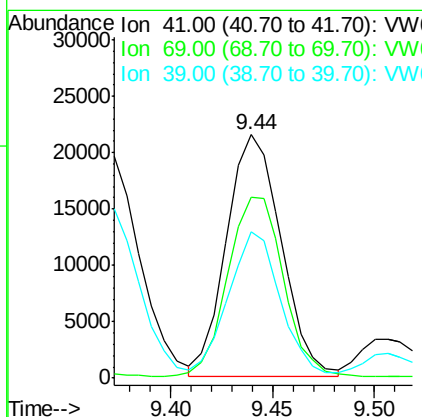
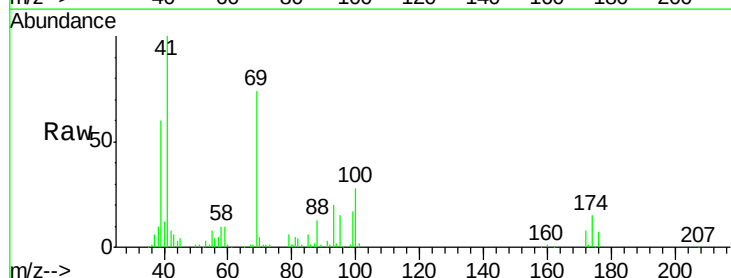
Instrument :
 MSVOA_W
 ClientSampled :

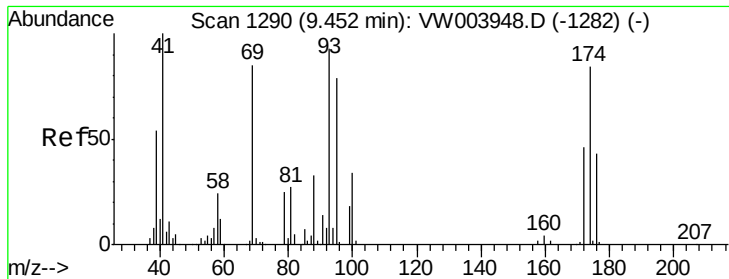
Tot Ion: 83 Resp: 76747
 Ion Ratio Lower Upper
 83 100
 85 64.6 52.2 78.2
 127 7.6 7.0 10.4



#48
 Methyl methacrylate
 Concen: 23.573 ug/l
 RT: 9.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VW003972.D
 Acq: 17 Jul 2018 02:15

Tgt Ion: 41 Resp: 40121
 Ion Ratio Lower Upper
 41 100
 69 76.8 67.0 100.6
 39 58.7 48.8 73.2





#49

1,4-Dioxane

Concen: 457.359 ug/l

RT: 9.45 min Scan# 1290

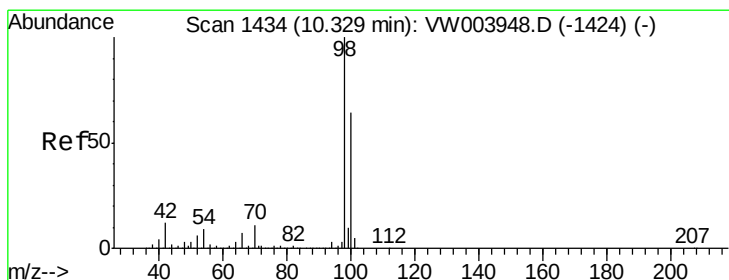
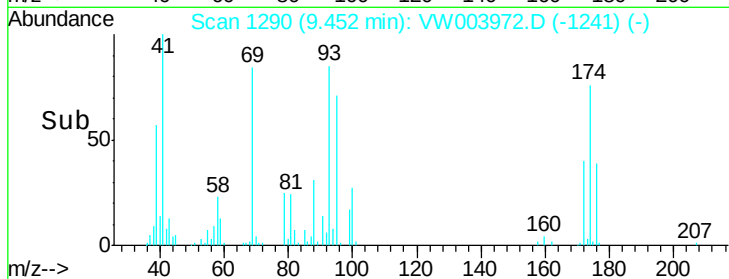
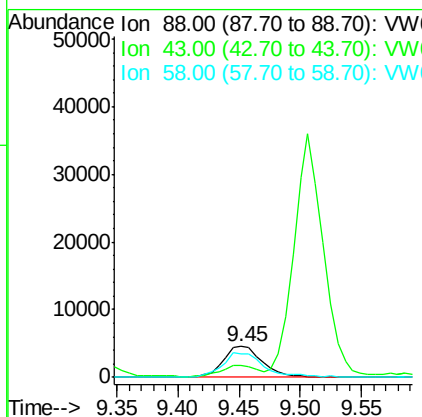
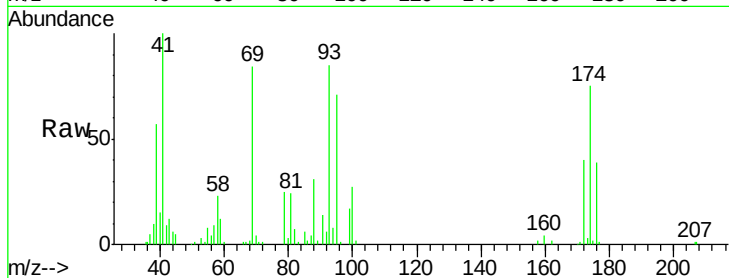
Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	88	Resp:	10077
Ion	Ratio	Lower	Upper
88	100		
43	34.4	27.3	40.9
58	84.8	61.1	91.7



#50

Toluene-d8

Concen: 55.559 ug/l

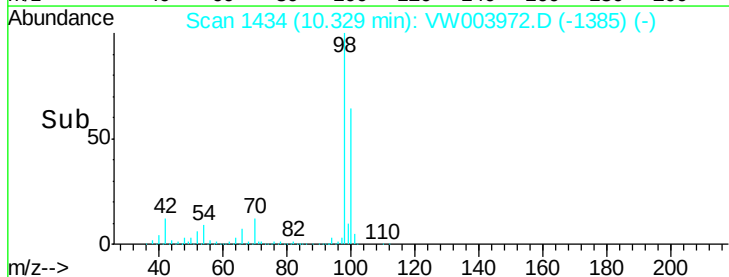
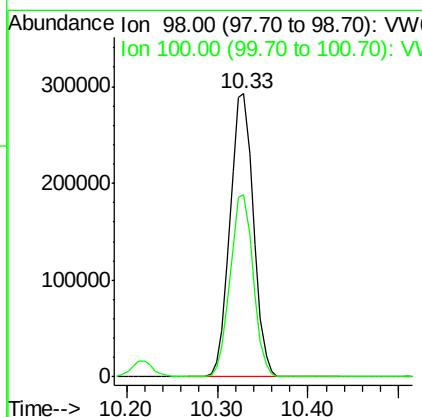
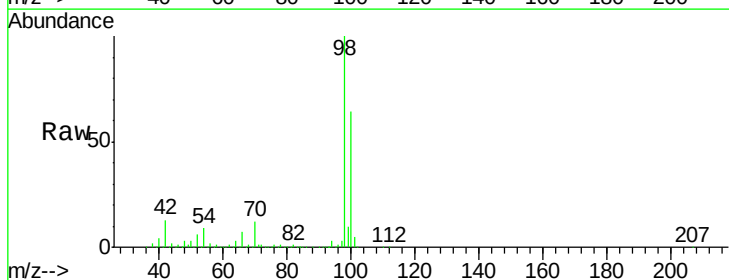
RT: 10.33 min Scan# 1434

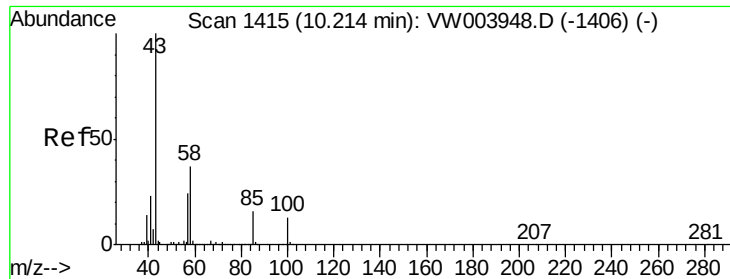
Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Tgt Ion:	98	Resp:	524463
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.2	76.8

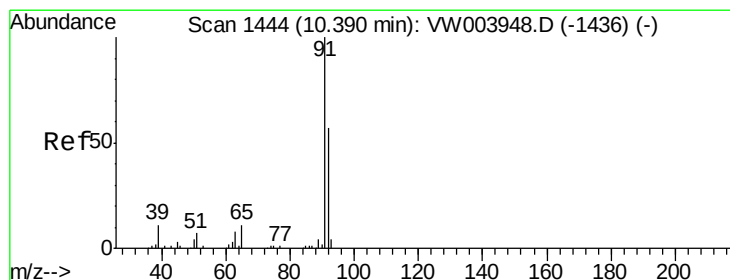
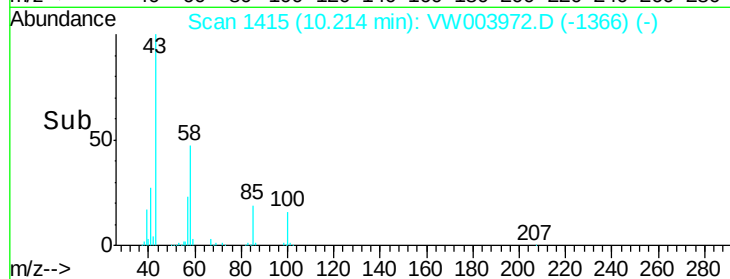
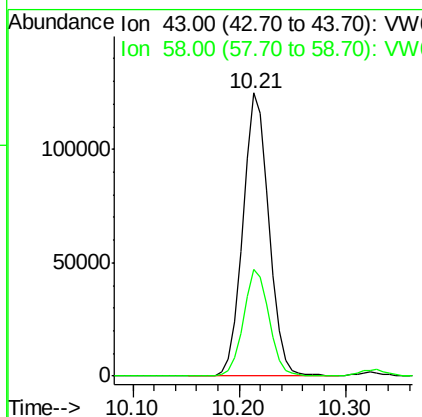
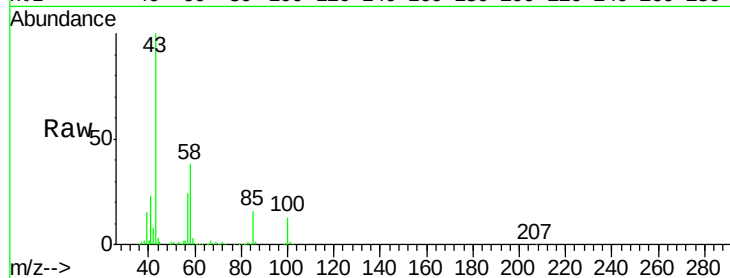




#51
 4-Methyl-2-Pentanone
 Concen: 114.430 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW003972.D
 Acq: 17 Jul 2018 02:15

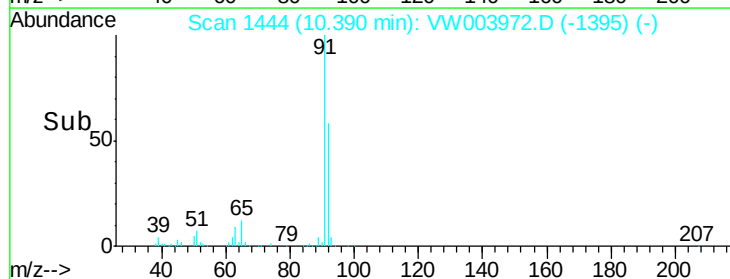
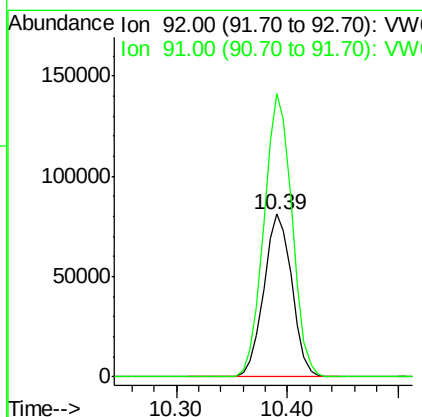
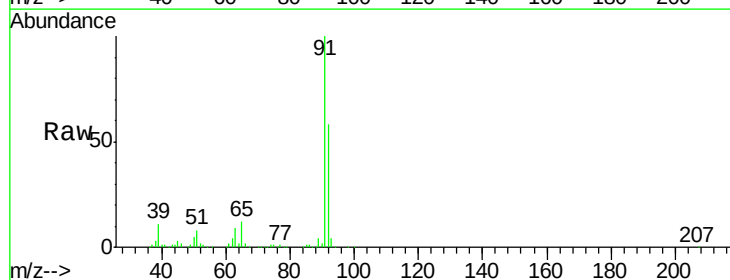
Instrument :
 MSVOA_W
 ClientSampled :

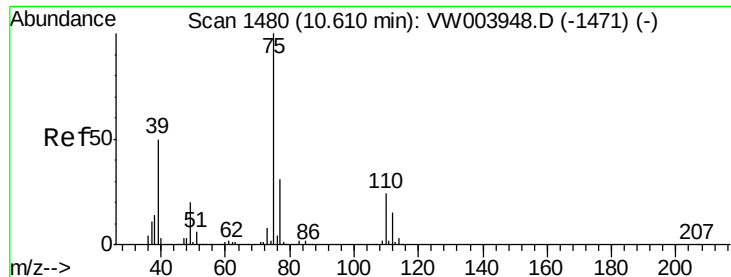
Tot Ion: 43 Resp: 214545
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.9 44.9



#52
 Toluene
 Concen: 21.341 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW003972.D
 Acq: 17 Jul 2018 02:15

Tgt Ion: 92 Resp: 142825
 Ion Ratio Lower Upper
 92 100
 91 174.0 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 20.006 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Instrument :

MSVOA_W

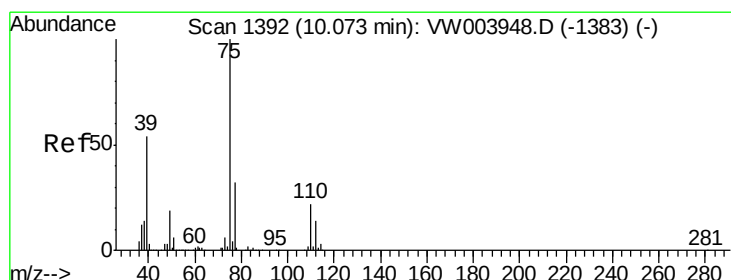
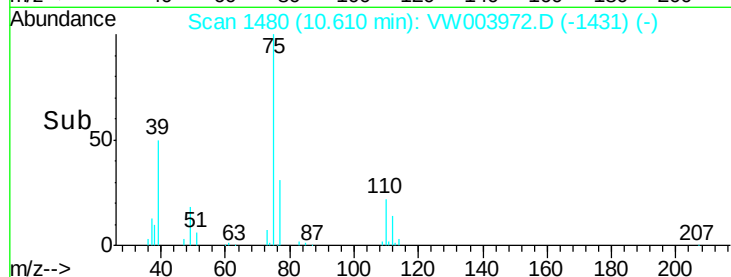
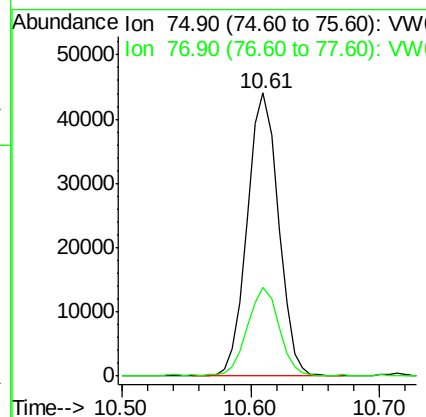
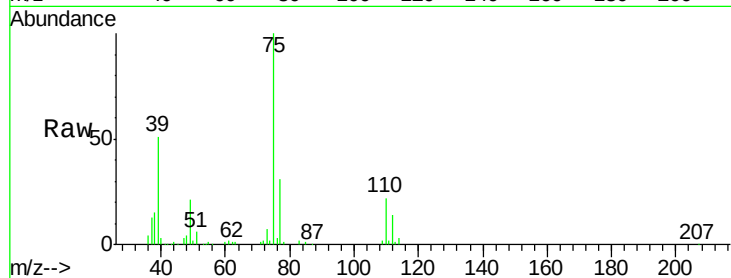
ClientSampled :

Tot Ion: 75 Resp: 73923

Ion Ratio Lower Upper

75 100

77 30.7 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 20.027 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

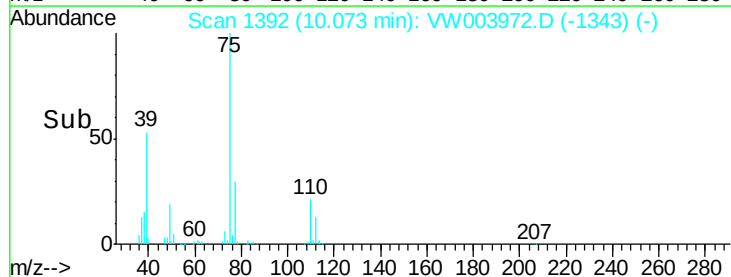
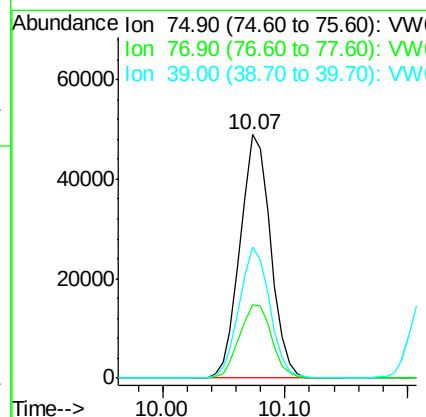
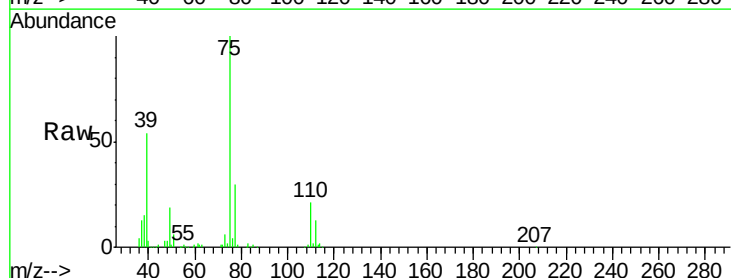
Tgt Ion: 75 Resp: 84654

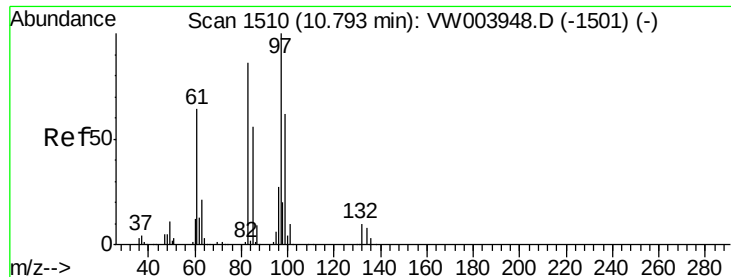
Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.2

39 53.4 43.0 64.6





#55

1,1,2-Trichloroethane

Concen: 22.088 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 44527

Ion	Ratio	Lower	Upper
97	100		
83	88.9	69.0	103.4
85	54.8	45.0	67.6
99	62.2	49.9	74.9

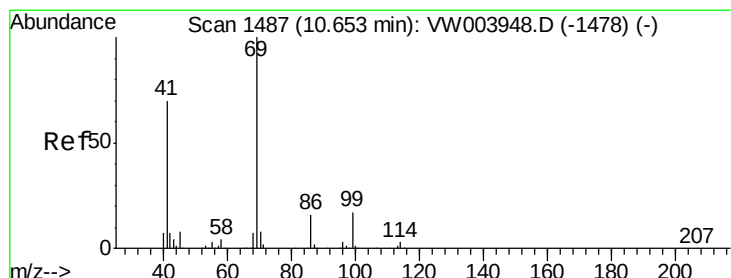
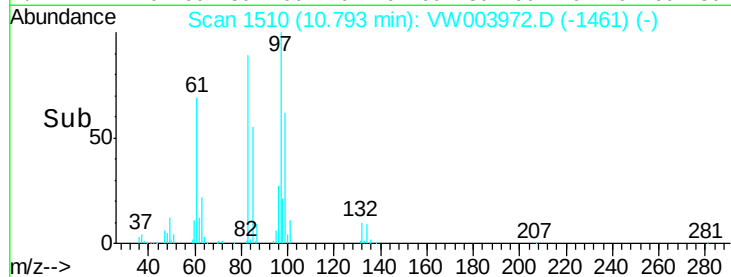
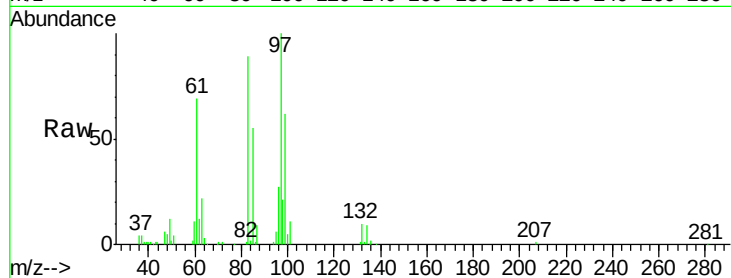
Abundance Ion 96.90 (96.60 to 97.60): VW

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

Time--> 10.70 10.75 10.80 10.85



#56

Ethyl methacrylate

Concen: 21.112 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Tgt Ion: 69 Resp: 55660

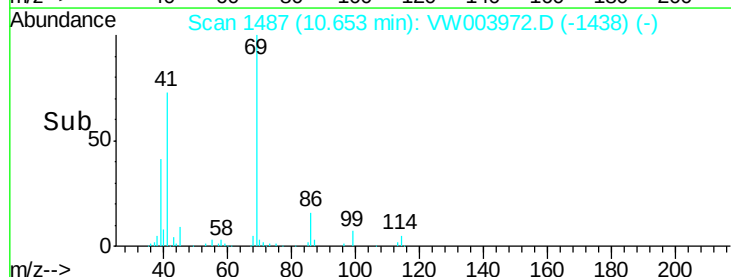
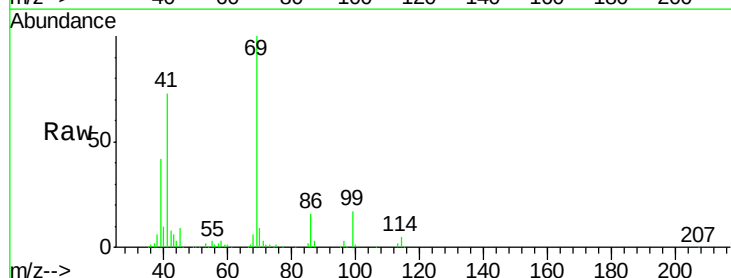
Ion	Ratio	Lower	Upper
69	100		
41	75.4	56.5	84.7
39	37.4	30.2	45.4

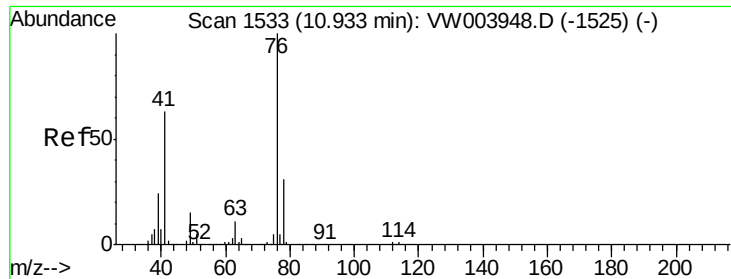
Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Time--> 10.60 10.65 10.70

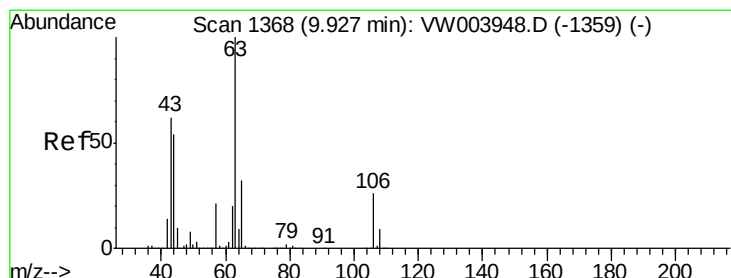
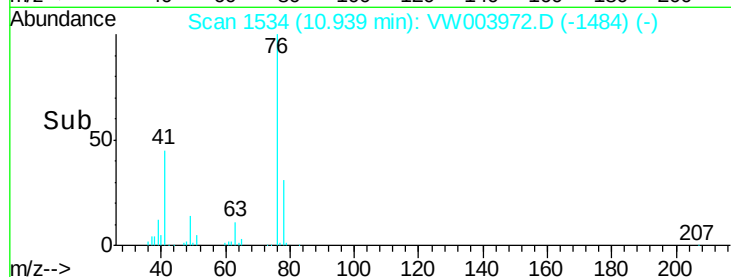
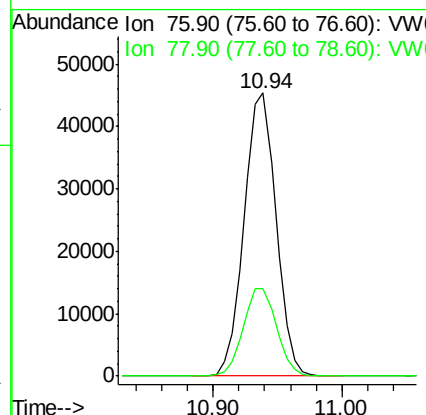
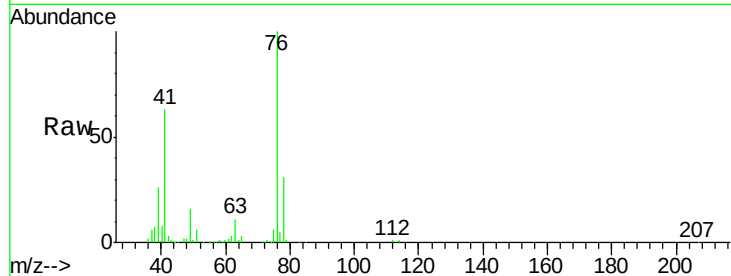




#57
 1,3-Dichloropropane
 Concen: 22.161 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW003972.D
 Acq: 17 Jul 2018 02:15

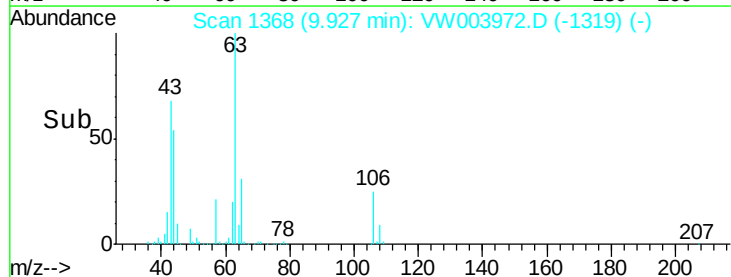
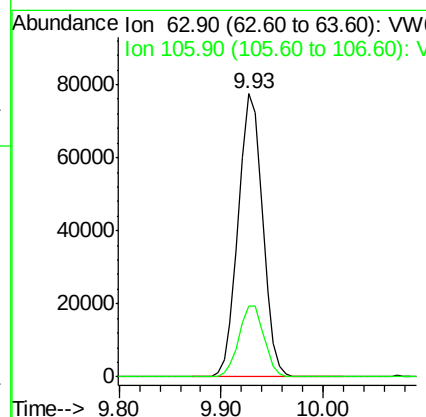
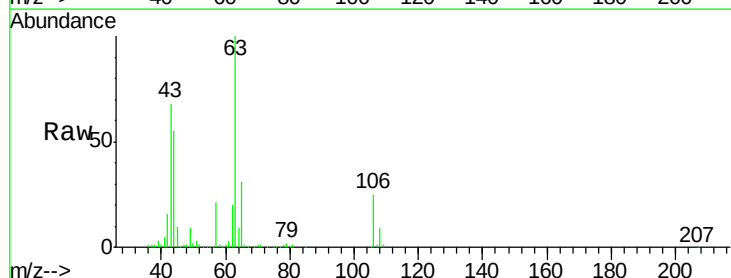
Instrument :
 MSVOA_W
 ClientSampled :

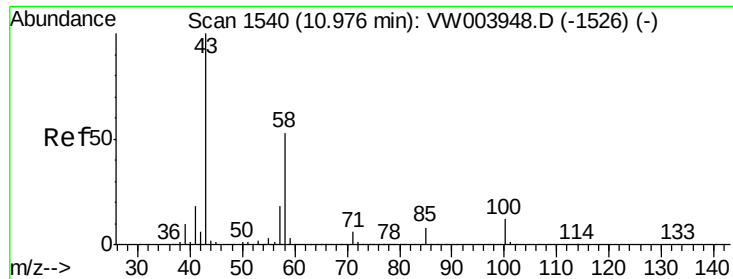
Tot Ion: 76 Resp: 77617
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.165 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW003972.D
 Acq: 17 Jul 2018 02:15

Tgt Ion: 63 Resp: 128161
 Ion Ratio Lower Upper
 63 100
 106 26.0 21.2 31.8

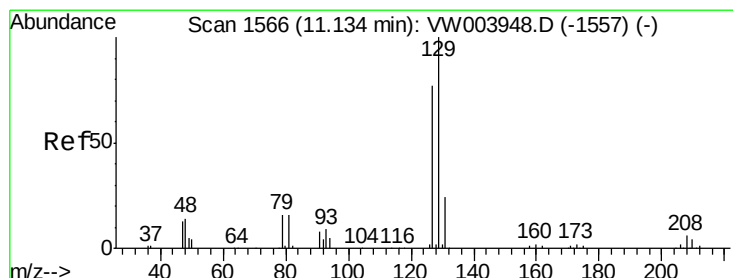
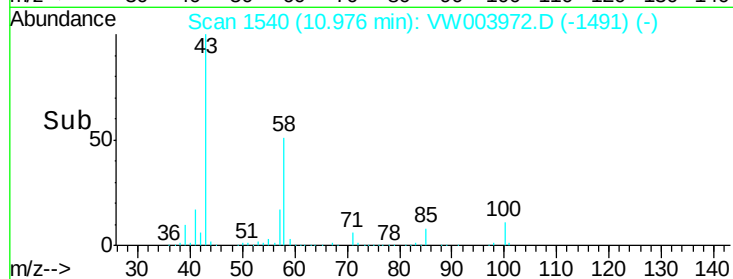
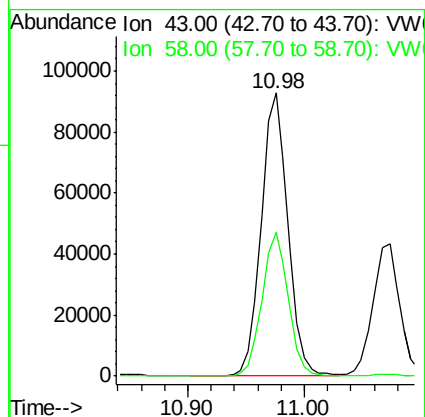
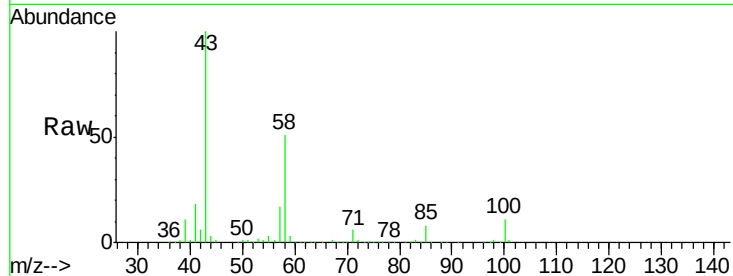




#59
2-Hexanone
Concen: 112.316 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

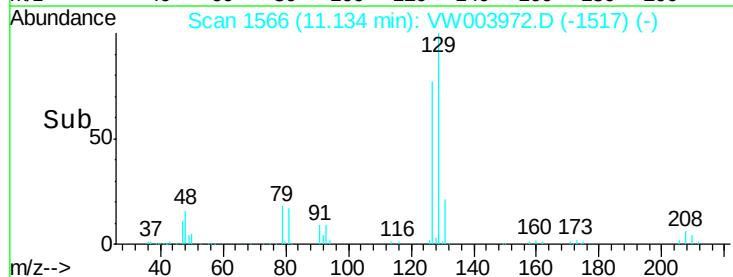
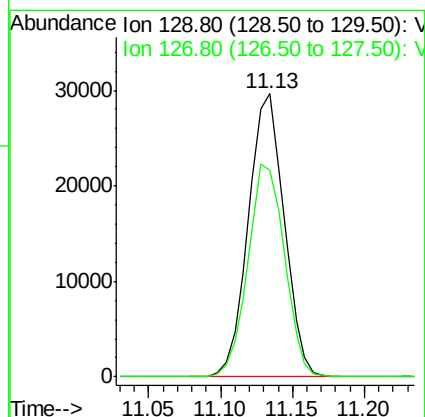
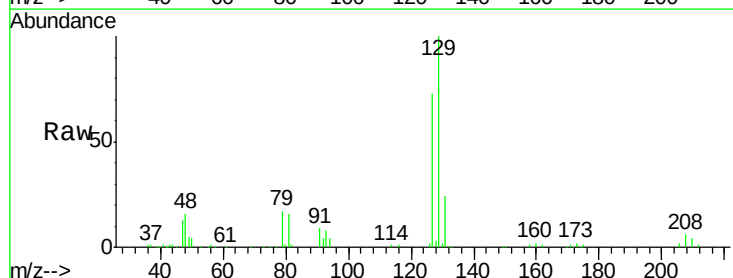
Instrument :
MSVOA_W
ClientSampled :

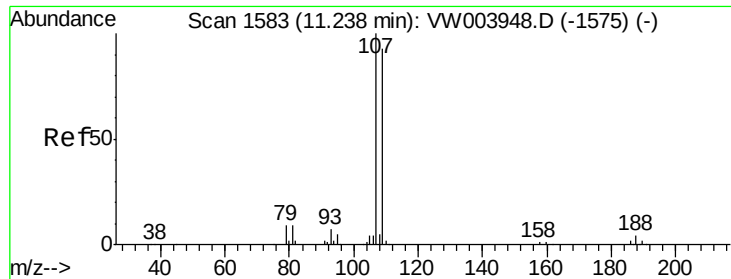
Tot Ion: 43 Resp: 148420
Ion Ratio Lower Upper
43 100
58 50.0 26.0 78.0



#60
Dibromochloromethane
Concen: 21.721 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

Tgt Ion: 129 Resp: 50993
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.3

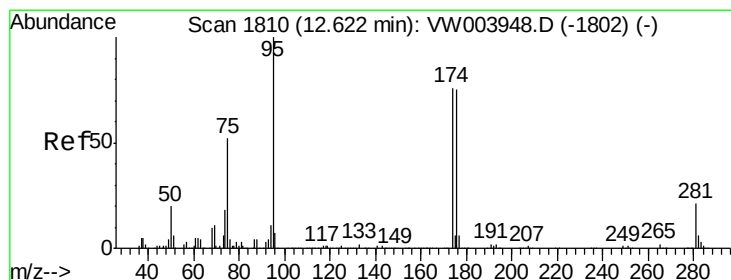
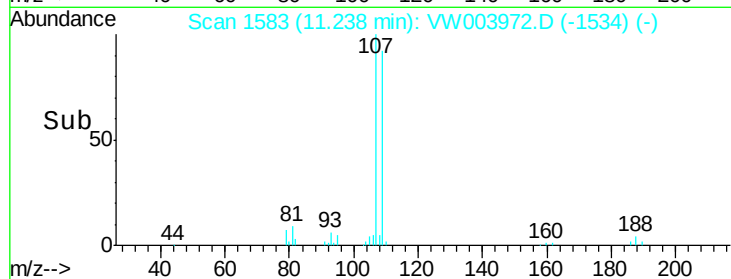
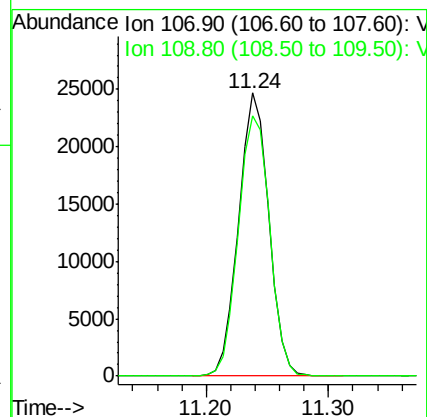
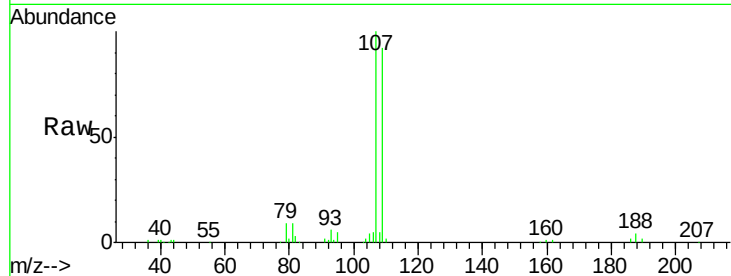




#61
 1,2-Dibromoethane
 Concen: 21.954 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003972.D
 Acq: 17 Jul 2018 02:15

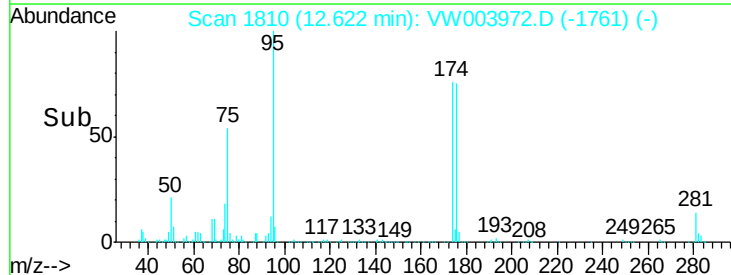
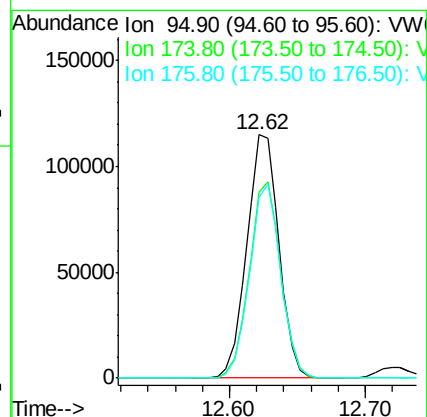
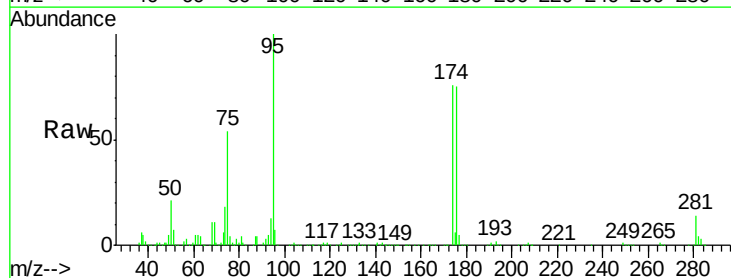
Instrument :
 MSVOA_W
 ClientSampled :

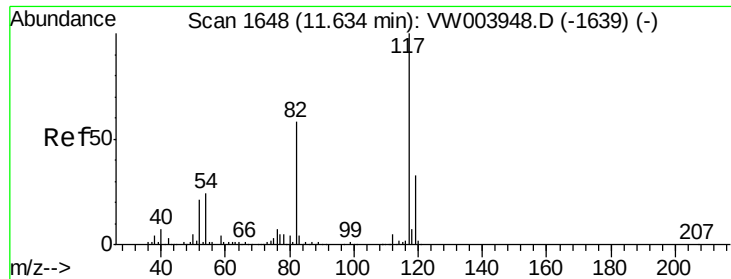
Tot Ion:107 Resp: 42112
 Ion Ratio Lower Upper
 107 100
 109 95.8 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 55.578 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW003972.D
 Acq: 17 Jul 2018 02:15

Tgt Ion: 95 Resp: 189187
 Ion Ratio Lower Upper
 95 100
 174 79.4 0.0 160.2
 176 77.4 0.0 155.8

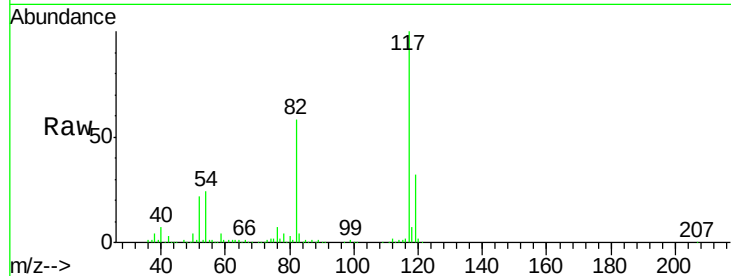




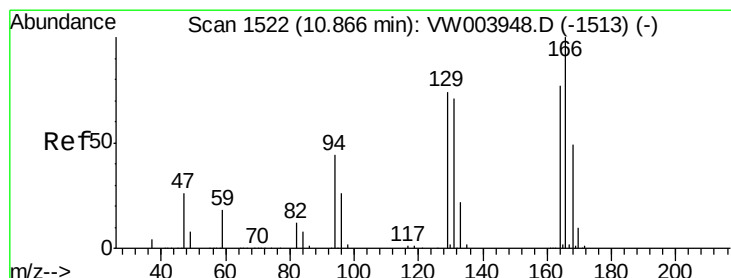
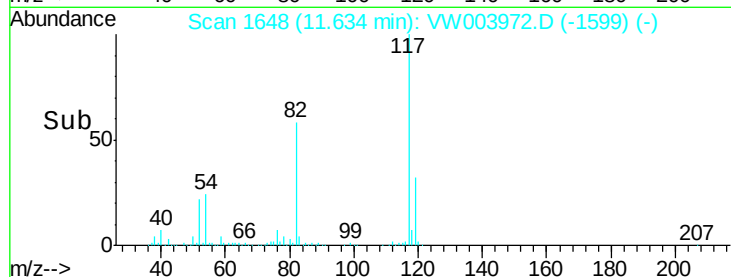
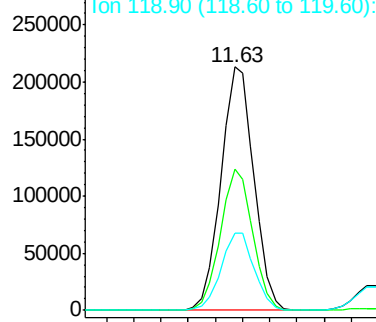
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 360592
Ion Ratio Lower Upper
117 100
82 57.9 46.5 69.7
119 31.8 26.2 39.2

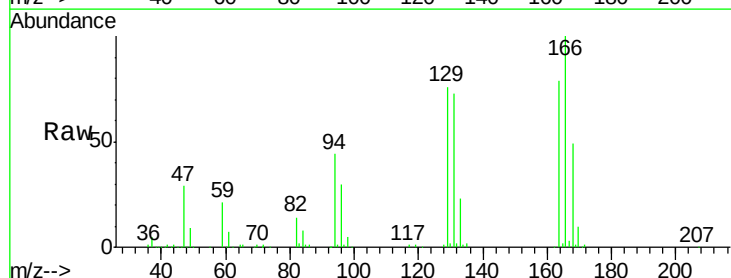


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

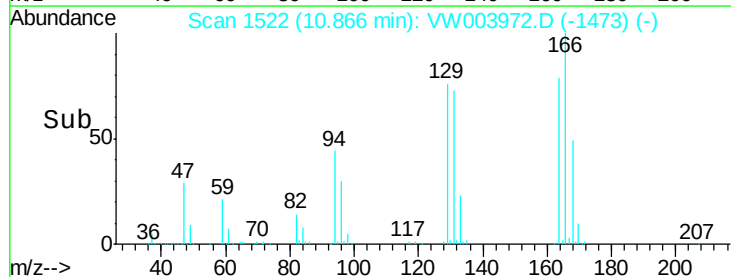
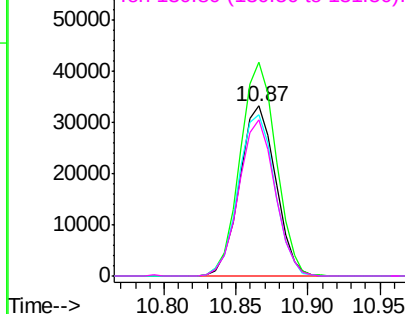


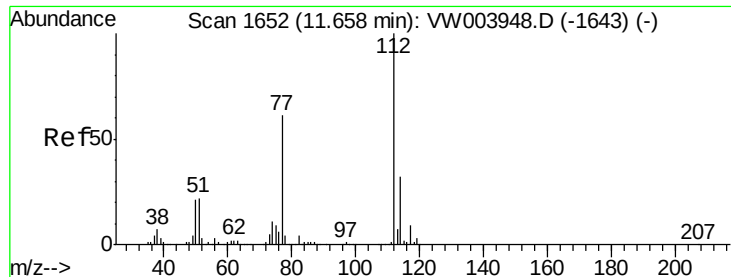
#64
Tetrachloroethene
Concen: 23.179 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

Tgt Ion:164 Resp: 57350
Ion Ratio Lower Upper
164 100
166 125.8 103.5 155.3
129 95.3 76.8 115.2
131 92.4 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: 20.438 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.01 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Instrument :

MSVOA_W

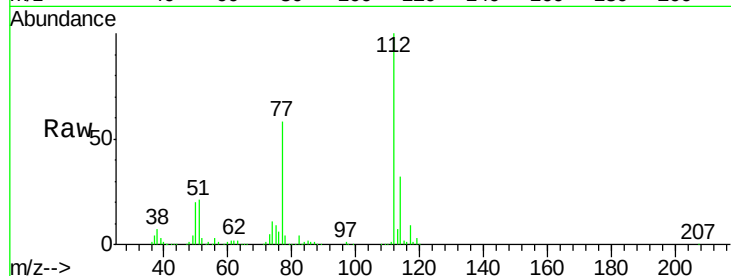
ClientSampleId :

Tot Ion:112 Resp: 156708

Ion Ratio Lower Upper

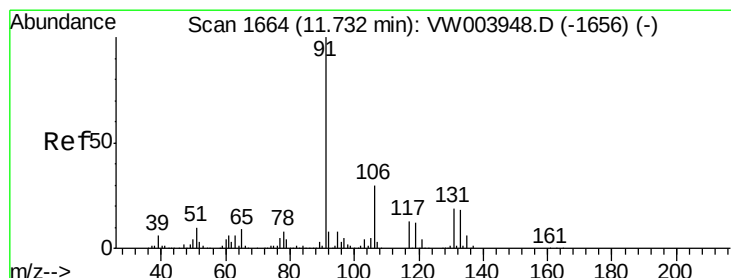
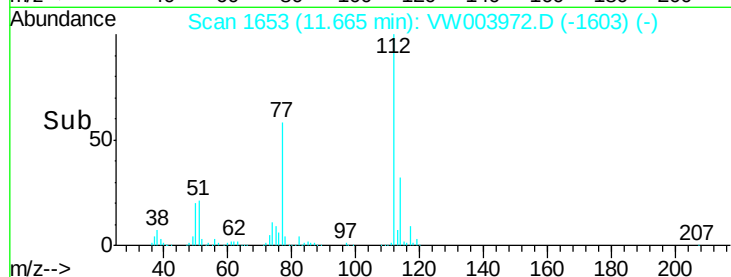
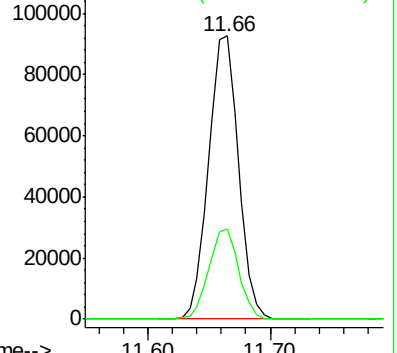
112 100

114 32.0 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: 20.351 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

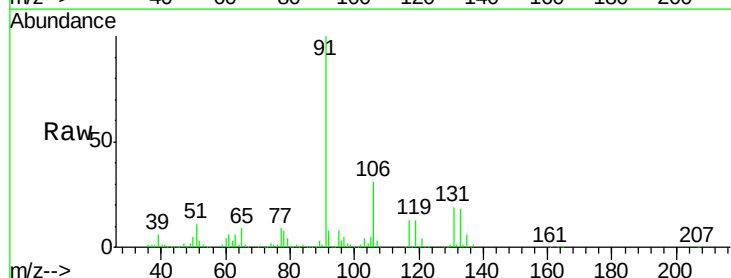
Tgt Ion:131 Resp: 54225

Ion Ratio Lower Upper

131 100

133 95.4 47.9 143.8

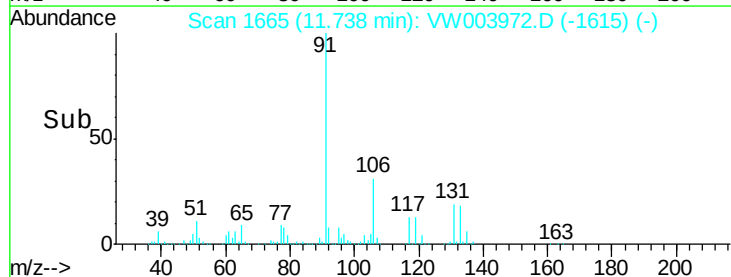
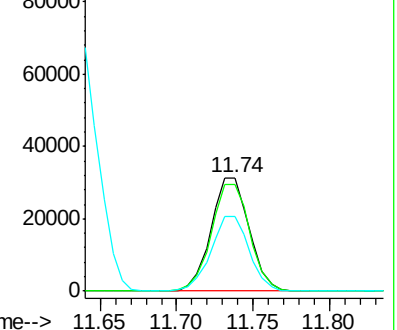
119 66.2 32.5 97.5

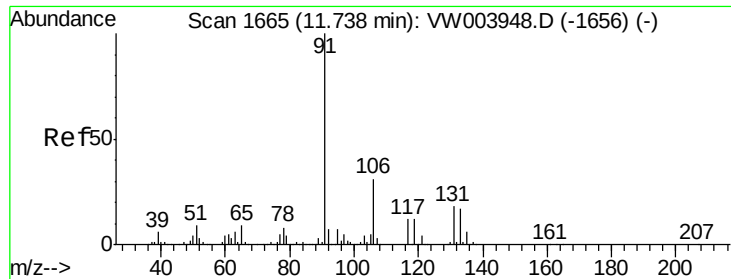


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

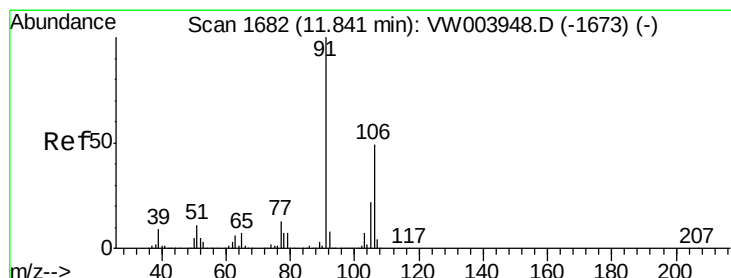
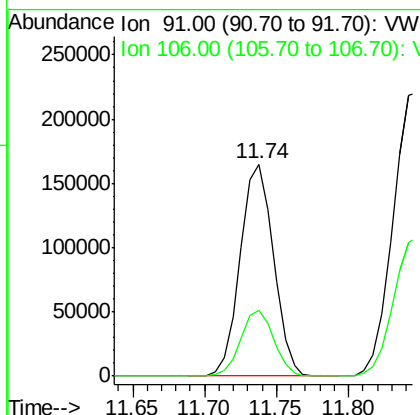
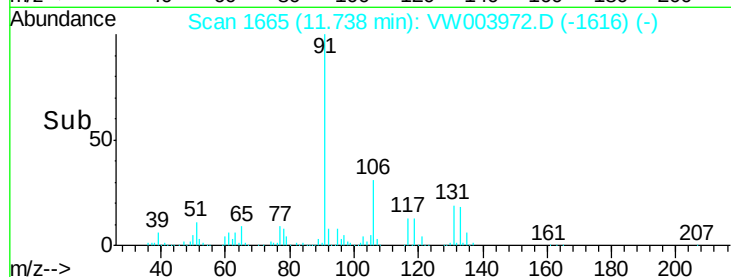
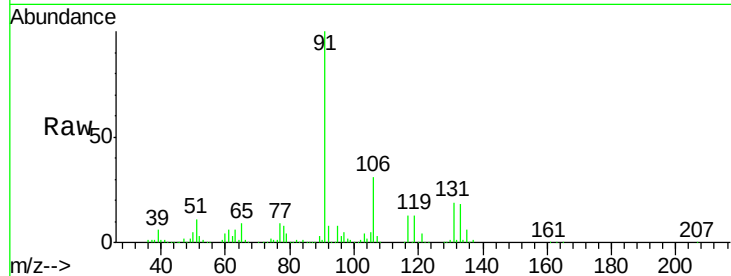




#67
Ethyl Benzene
Concen: 19.667 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

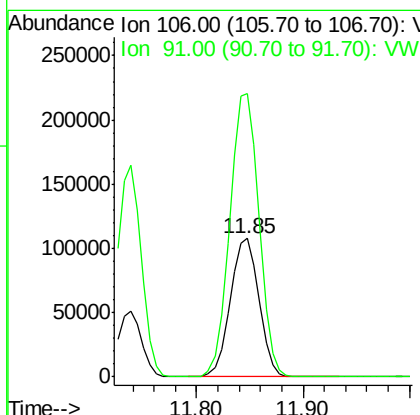
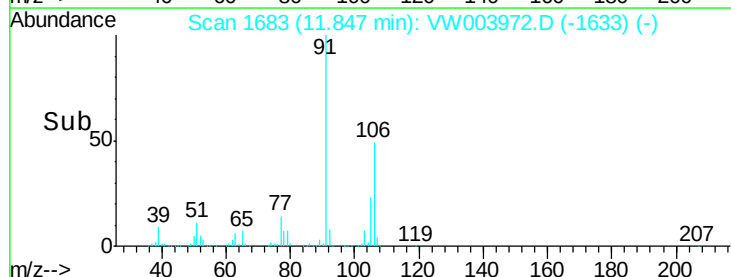
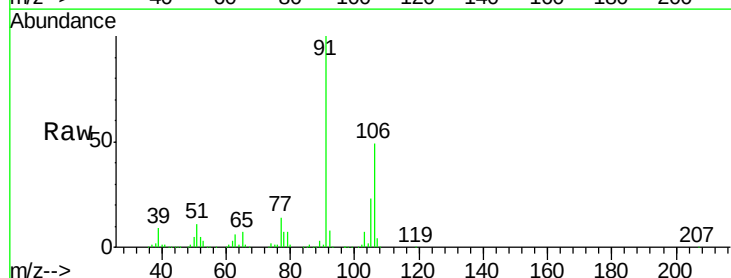
Instrument :
MSVOA_W
ClientSampled :

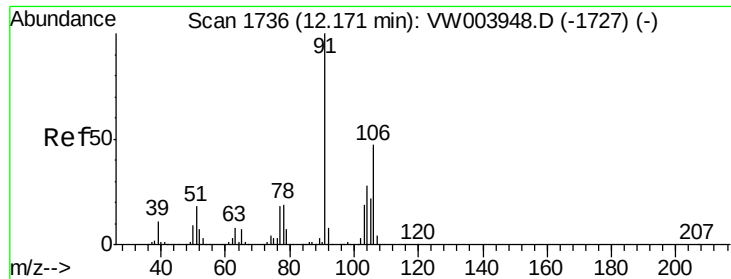
Tot Ion: 91 Resp: 264901
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.4



#68
m/p-Xylenes
Concen: 39.535 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

Tgt Ion: 106 Resp: 203531
Ion Ratio Lower Upper
106 100
91 207.8 164.2 246.2

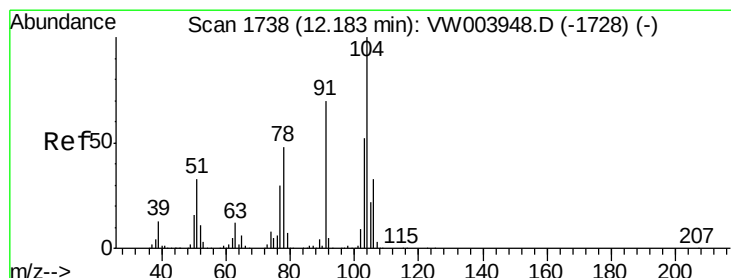
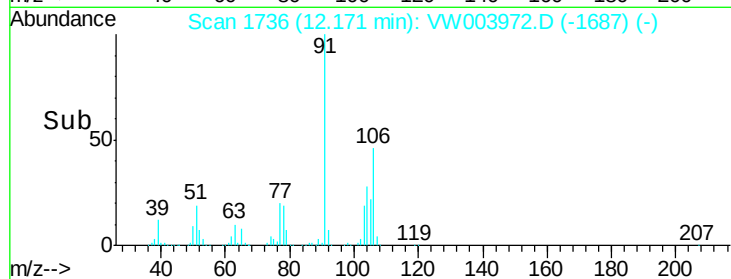
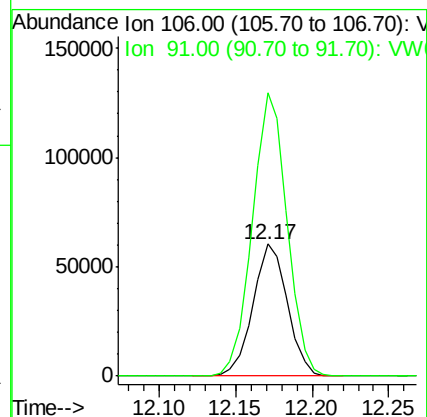
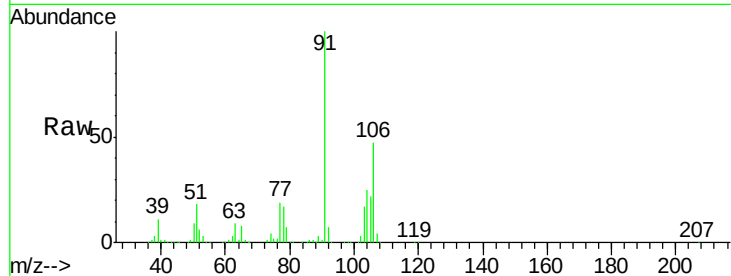




#69
o-Xylene
Concen: 19.861 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

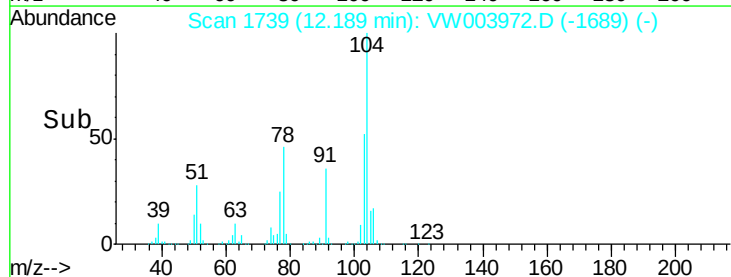
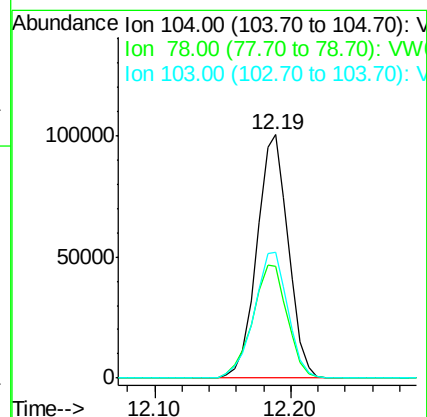
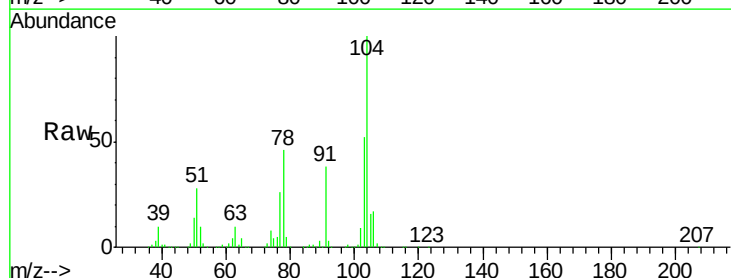
Instrument :
MSVOA_W
ClientSampleId :

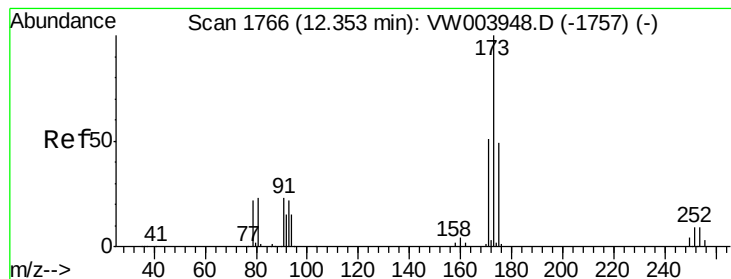
Tot Ion:106 Resp: 94848
Ion Ratio Lower Upper
106 100
91 215.2 107.5 322.6



#70
Styrene
Concen: 20.382 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

Tgt Ion:104 Resp: 162572
Ion Ratio Lower Upper
104 100
78 51.4 41.0 61.4
103 55.7 44.6 67.0





#71

Bromoform

Concen: 20.468 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Instrument :

MSVOA_W

ClientSampled :

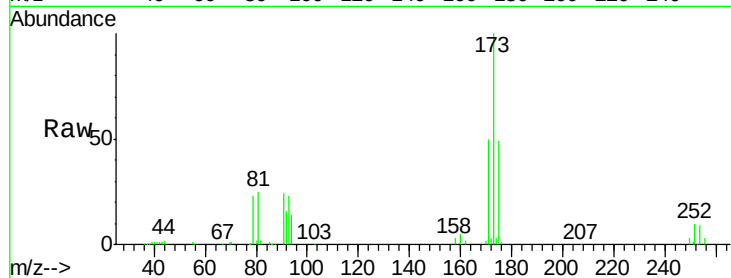
Tot Ion:173 Resp: 30792

Ion Ratio Lower Upper

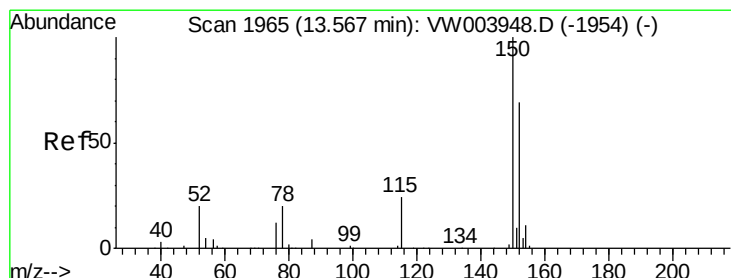
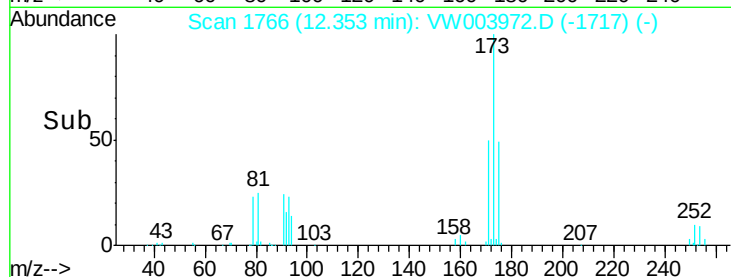
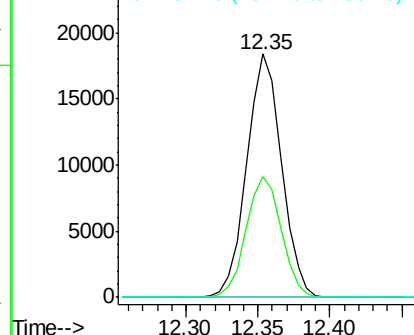
173 100

175 49.9 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: VW003972.D

Acq: 17 Jul 2018 02:15

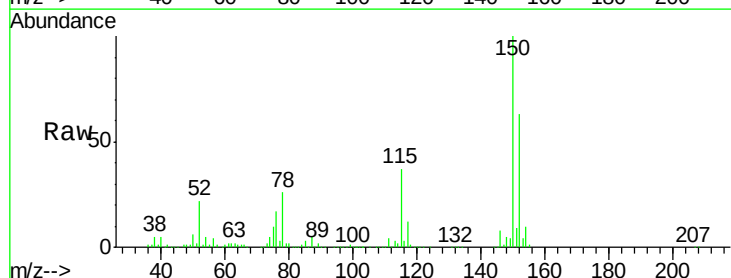
Tgt Ion:152 Resp: 189980

Ion Ratio Lower Upper

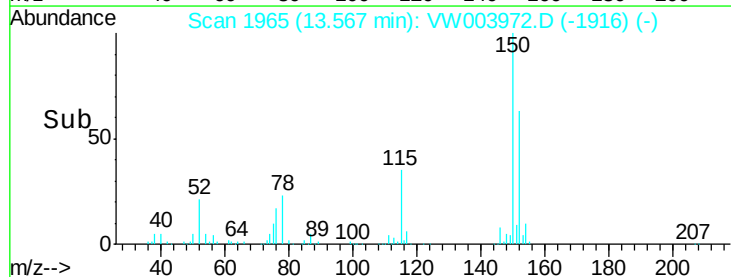
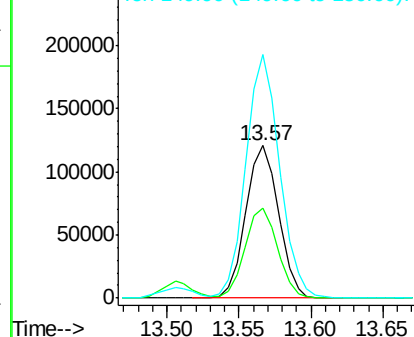
152 100

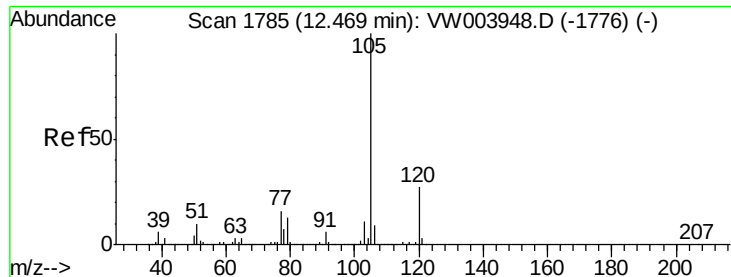
115 59.0 29.2 87.6

150 164.0 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: 19.081 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Instrument :

MSVOA_W

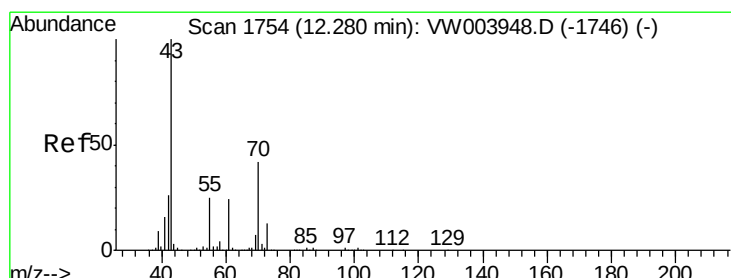
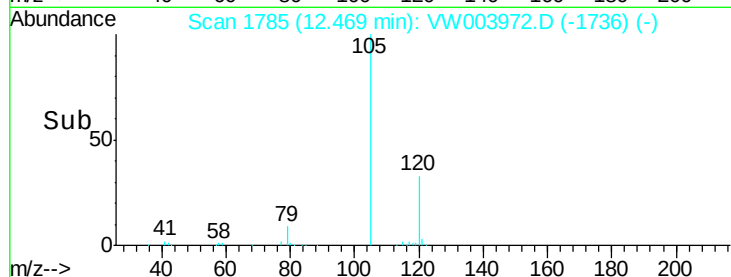
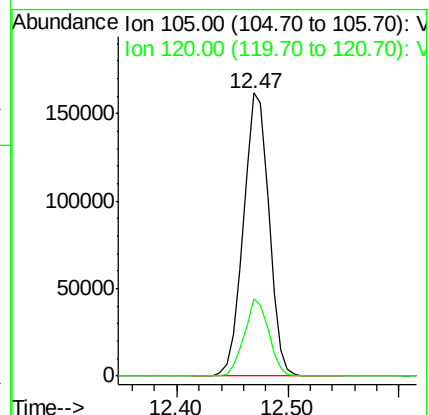
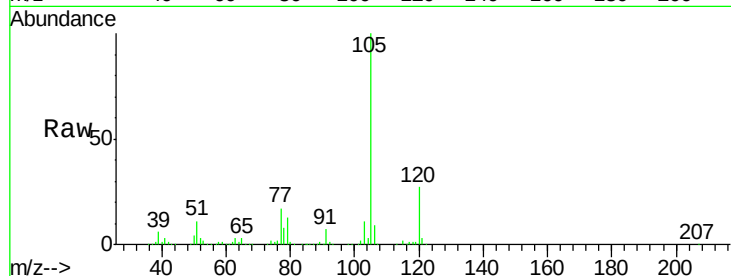
ClientSampleId :

Tot Ion:105 Resp: 256156

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.6



#74

N-ethyl acetate

Concen: 21.739 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Tgt Ion: 43 Resp: 76041

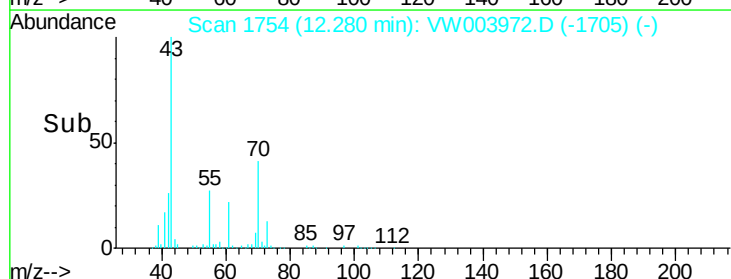
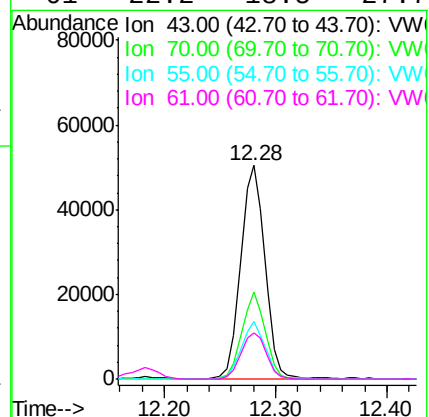
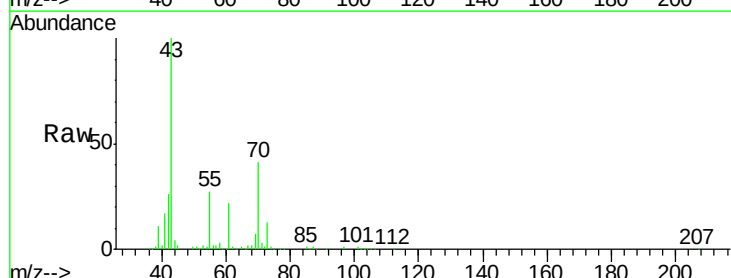
Ion Ratio Lower Upper

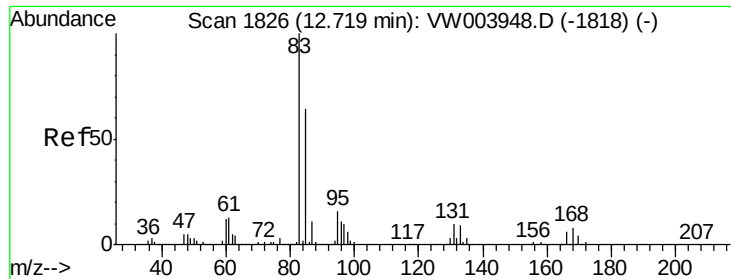
43 100

70 39.0 31.6 47.4

55 26.2 20.0 30.0

61 22.2 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.915 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

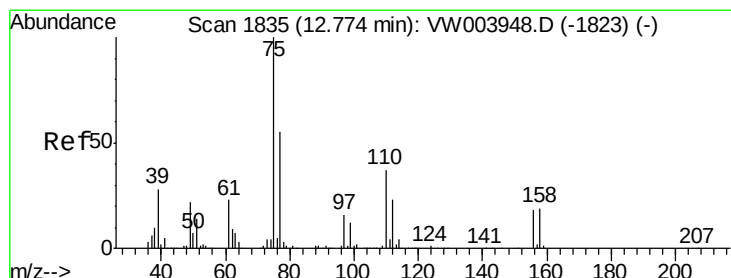
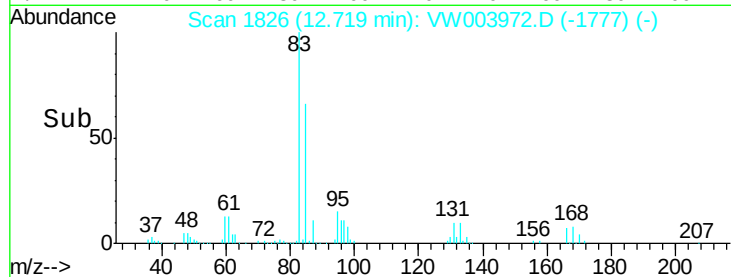
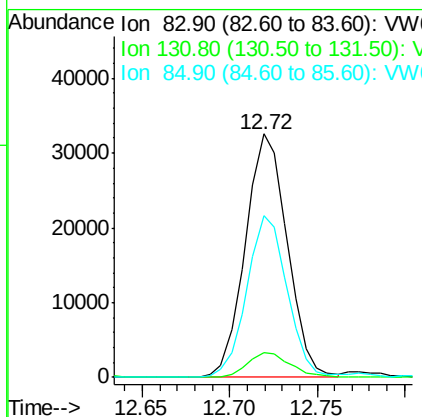
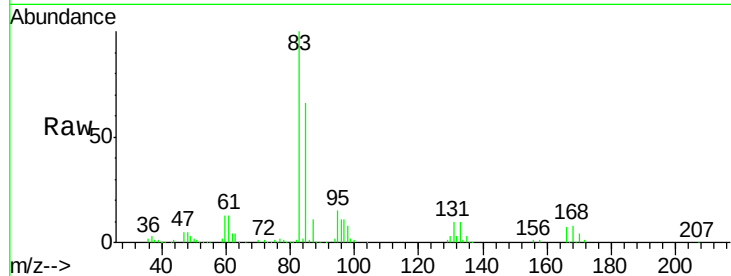
Tot Ion: 83 Resp: 54298

Ion Ratio Lower Upper

83 100

131 10.8 5.3 15.8

85 64.0 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 37.427 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003972.D

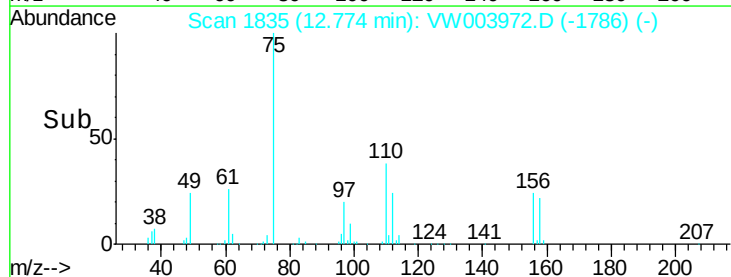
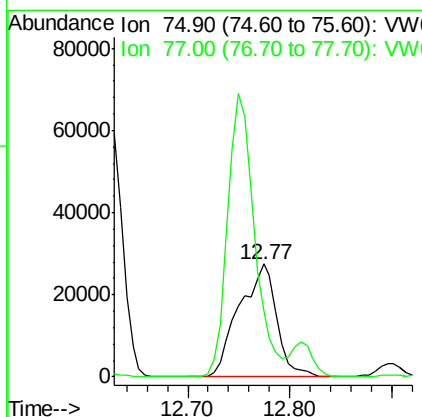
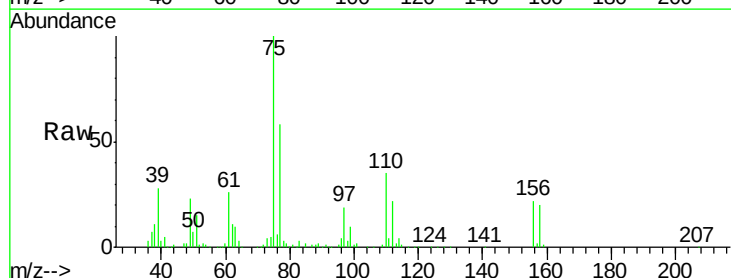
Acq: 17 Jul 2018 02:15

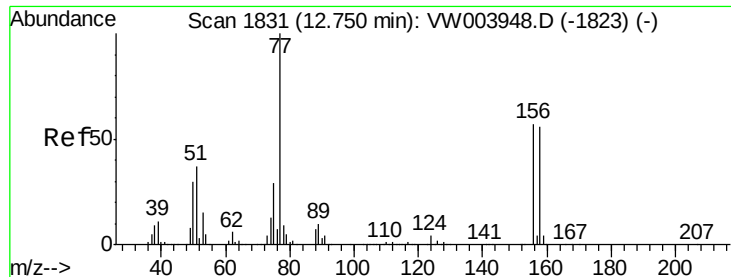
Tgt Ion: 75 Resp: 70590

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.218 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

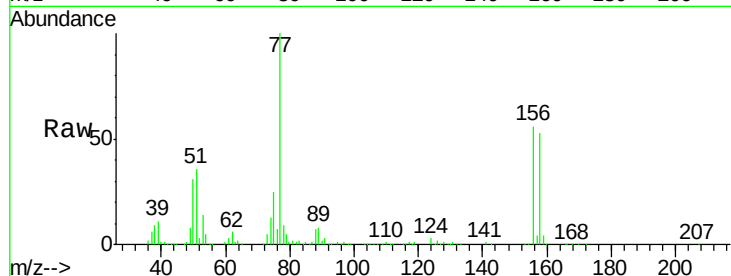
Tot Ion:156 Resp: 64945

Ion Ratio Lower Upper

156 100

77 194.0 96.2 288.6

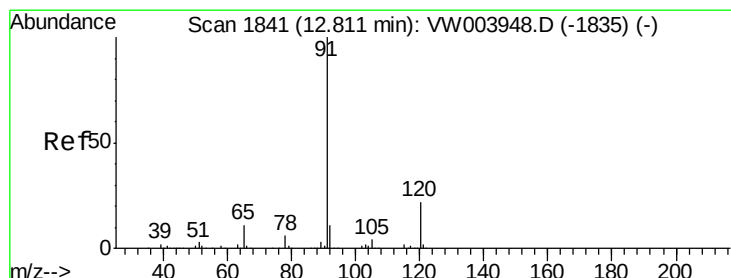
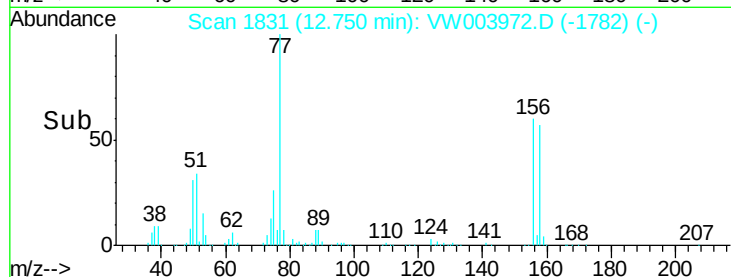
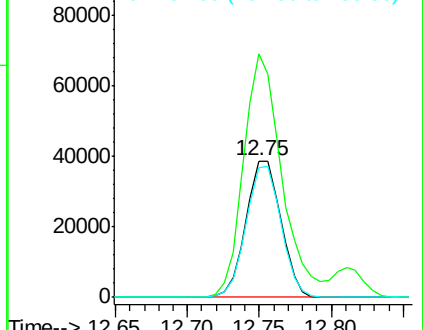
158 95.9 48.5 145.5



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: 19.627 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003972.D

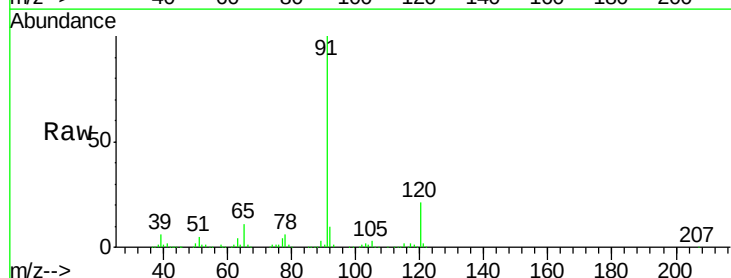
Acq: 17 Jul 2018 02:15

Tgt Ion: 91 Resp: 323246

Ion Ratio Lower Upper

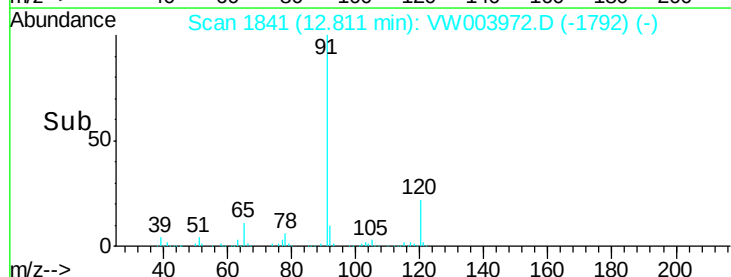
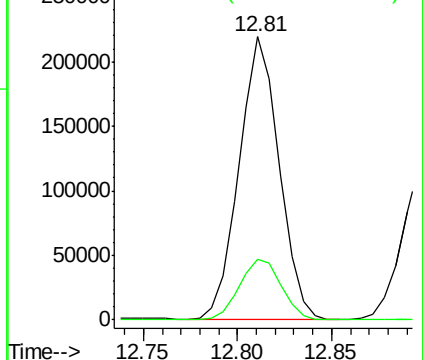
91 100

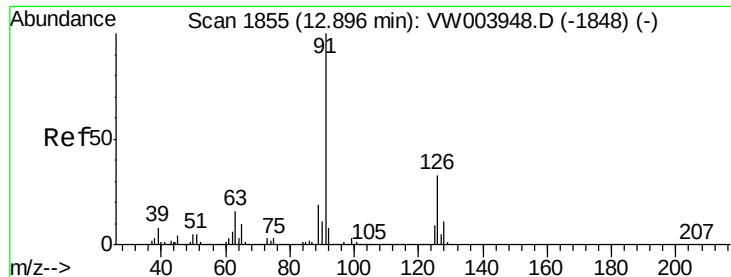
120 22.6 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.230 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Instrument :

MSVOA_W

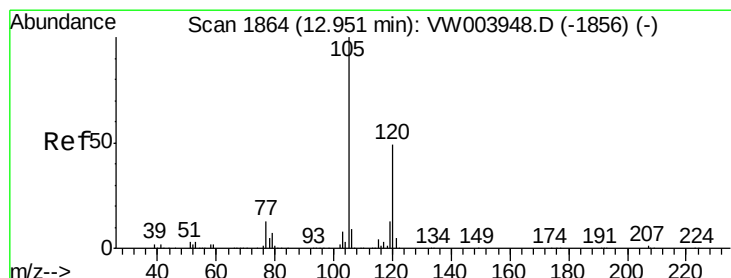
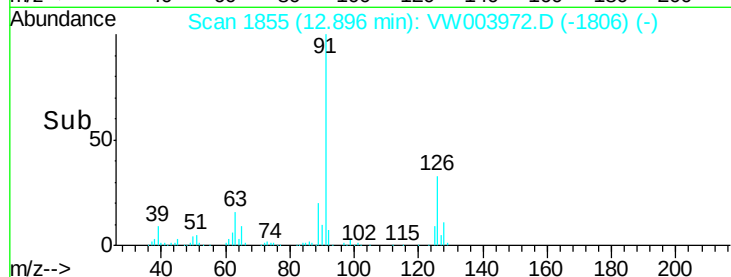
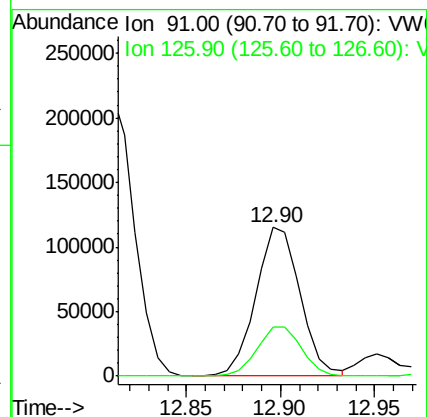
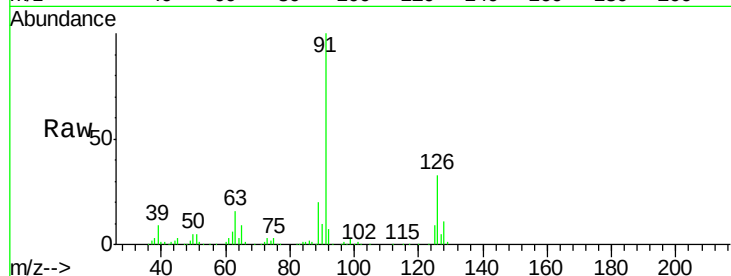
ClientSampleId :

Tot Ion: 91 Resp: 187914

Ion Ratio Lower Upper

91 100

126 33.3 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 20.070 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003972.D

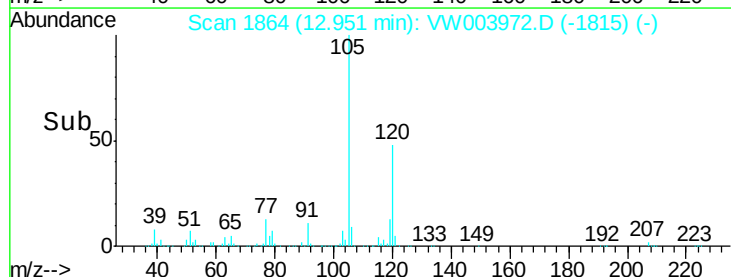
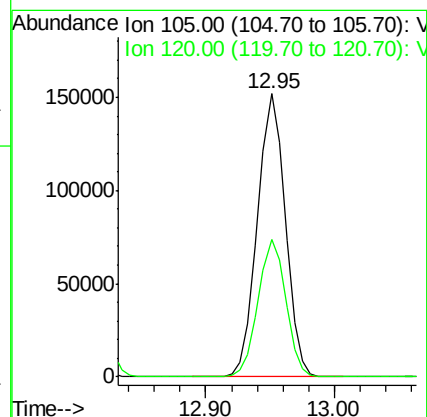
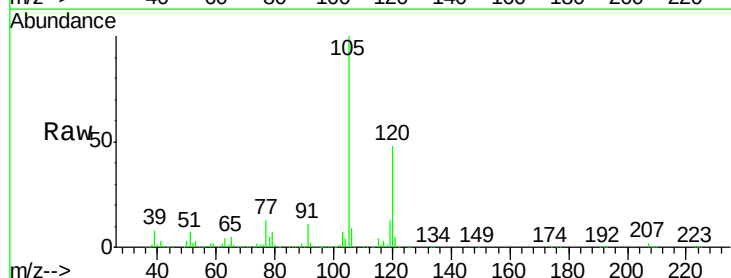
Acq: 17 Jul 2018 02:15

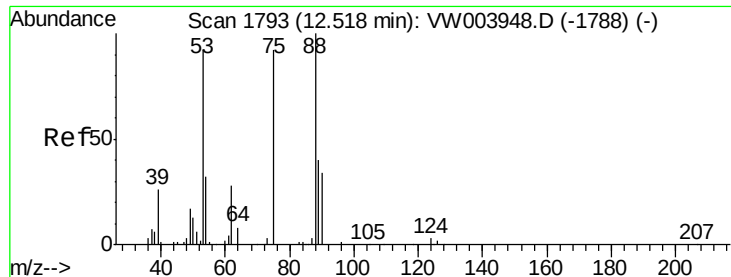
Tgt Ion:105 Resp: 226741

Ion Ratio Lower Upper

105 100

120 48.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.289 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Instrument :

MSVOA_W

ClientSampled :

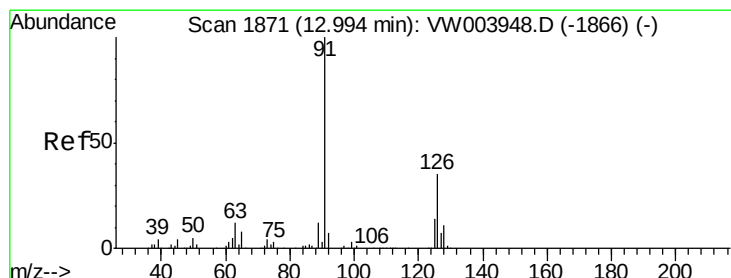
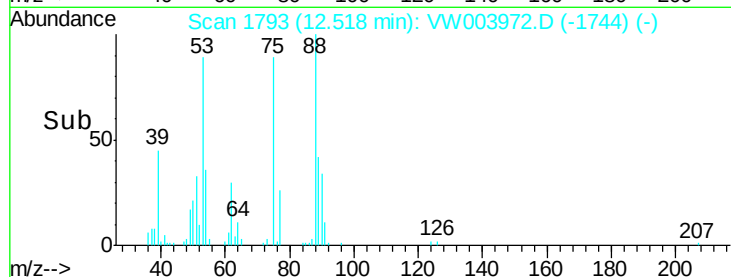
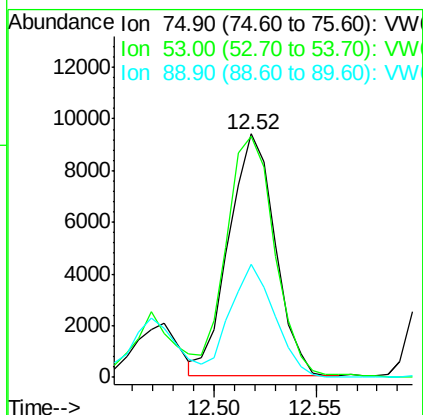
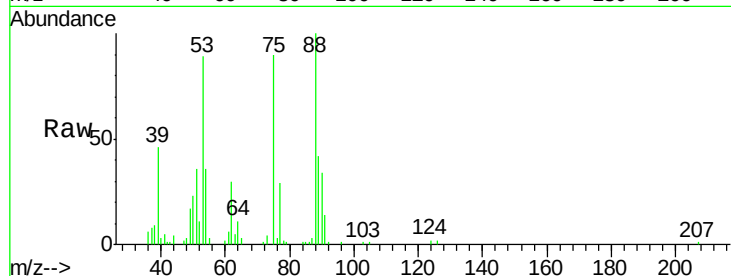
Tot Ion: 75 Resp: 14742

Ion Ratio Lower Upper

75 100

53 103.8 77.6 116.4

89 44.9 36.6 54.8



#82

4-Chlorotoluene

Concen: 19.921 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW003972.D

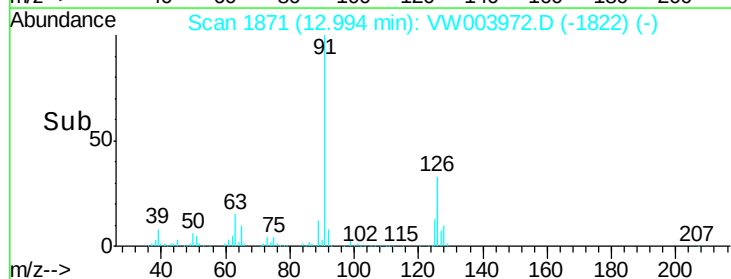
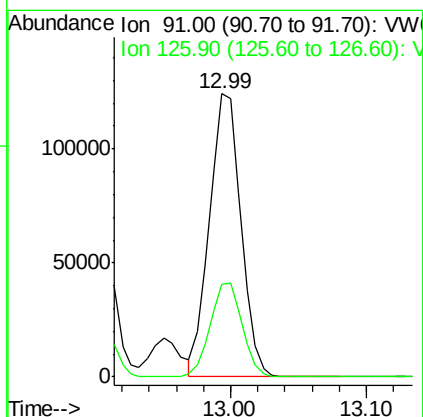
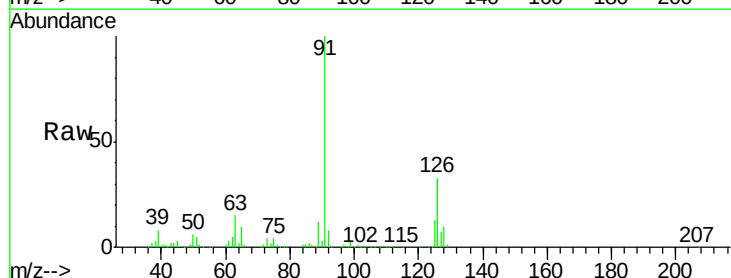
Acq: 17 Jul 2018 02:15

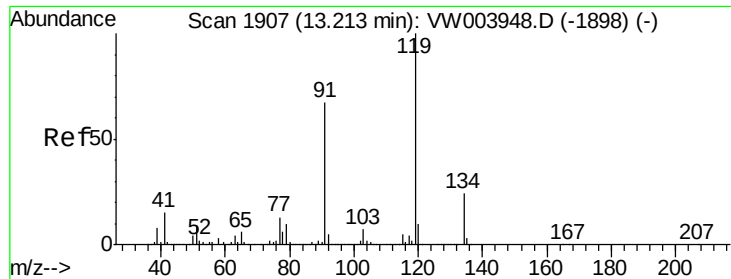
Tgt Ion: 91 Resp: 198584

Ion Ratio Lower Upper

91 100

126 33.7 16.7 50.0

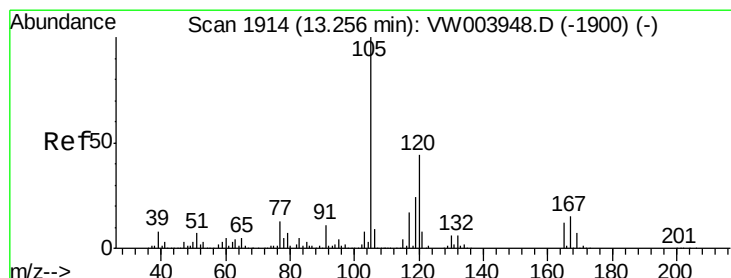
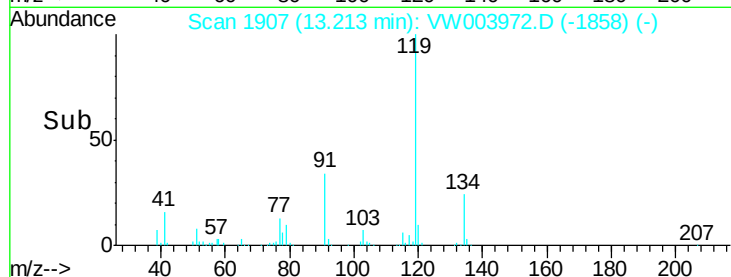
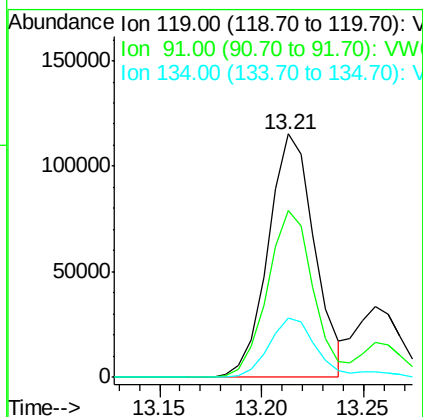
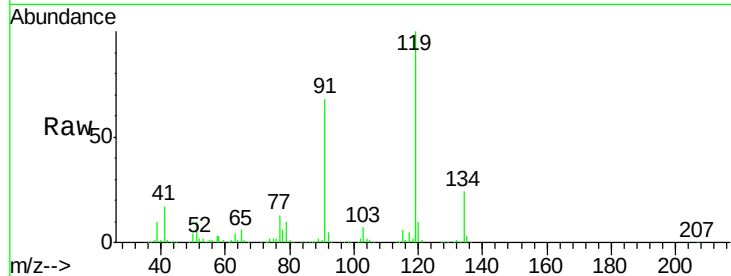




#83
tert-Butylbenzene
Concen: 19.269 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

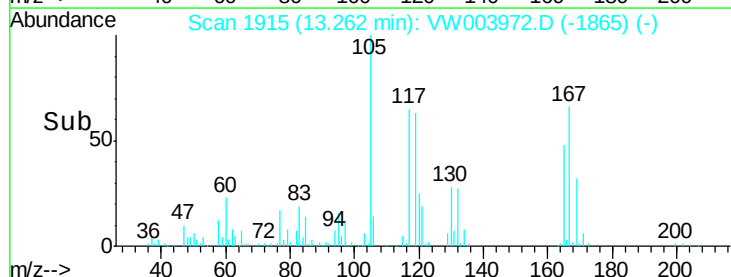
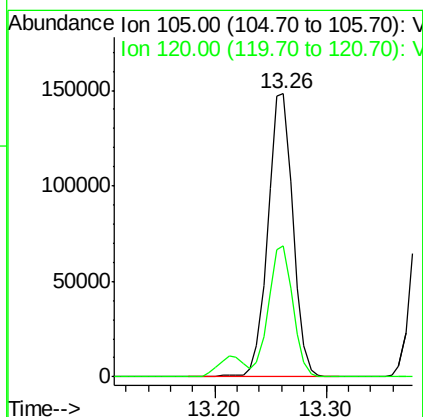
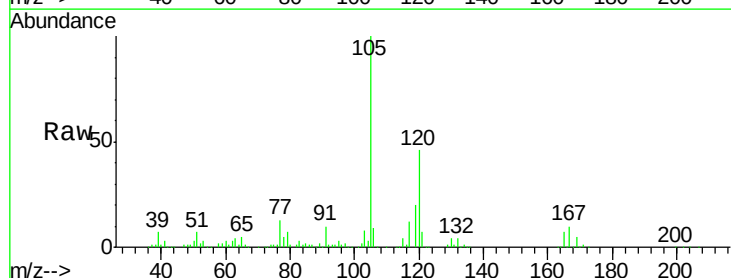
Instrument :
MSVOA_W
ClientSampled :

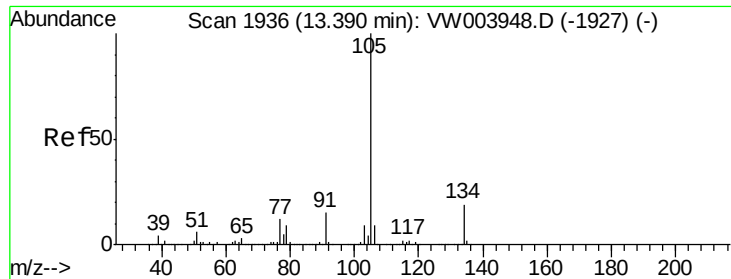
Tot Ion:119 Resp: 182764
Ion Ratio Lower Upper
119 100
91 68.6 33.2 99.6
134 26.0 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 20.043 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. 0.01 min
Lab File: VW003972.D
Acq: 17 Jul 2018 02:15

Tgt Ion:105 Resp: 232960
Ion Ratio Lower Upper
105 100
120 45.1 22.1 66.1





#85

sec-Butylbenzene

Concen: 19.519 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Instrument :

MSVOA_W

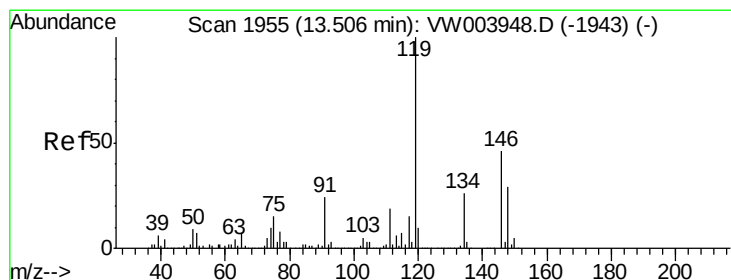
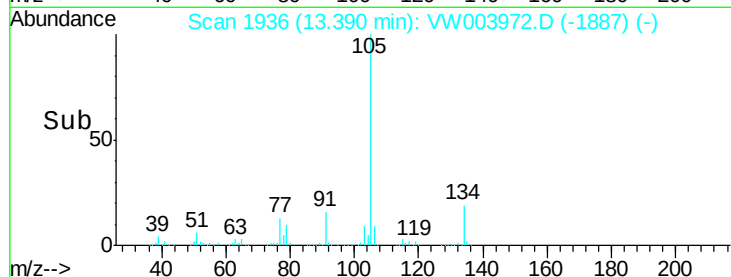
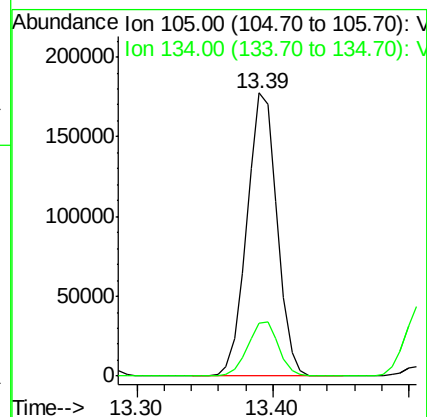
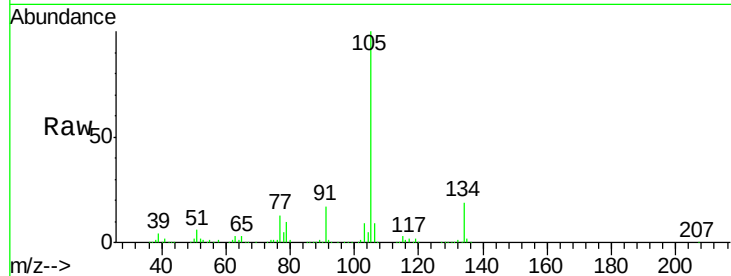
ClientSampleId :

Tot Ion:105 Resp: 274689

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.4



#86

p-Isopropyltoluene

Concen: 19.344 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

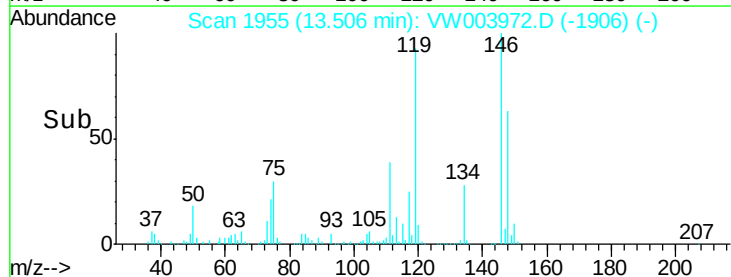
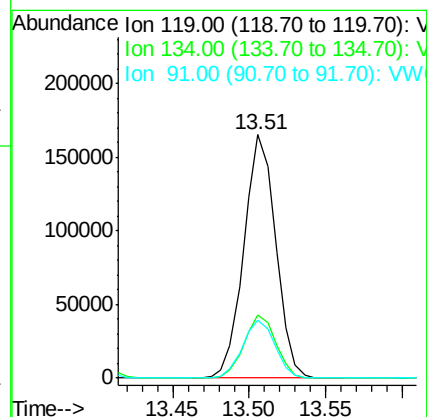
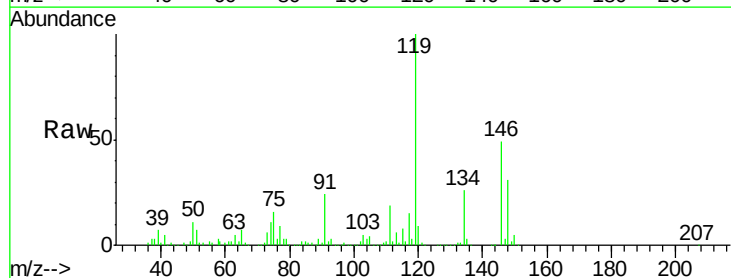
Tgt Ion:119 Resp: 238790

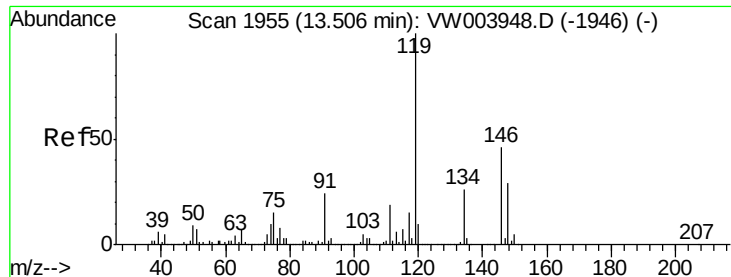
Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

91 24.0 11.8 35.3

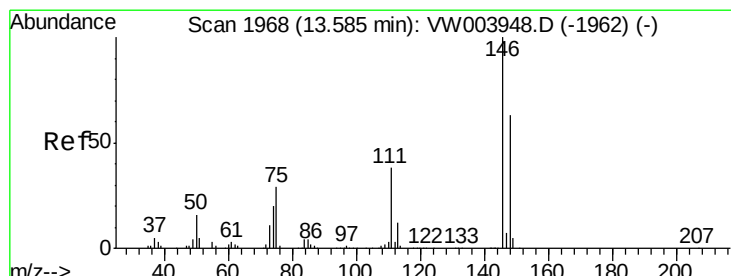
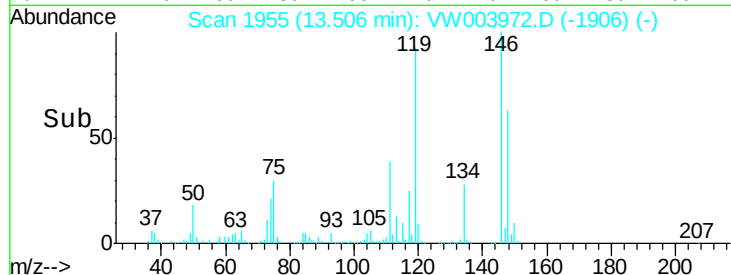
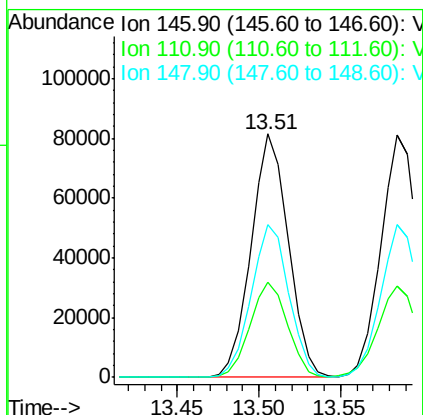
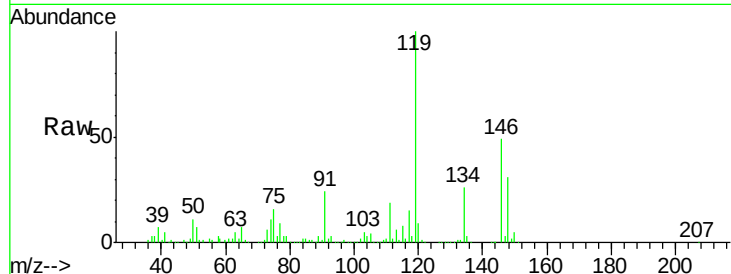




#87
 1,3-Dichlorobenzene
 Concen: 20.146 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003972.D
 Acq: 17 Jul 2018 02:15

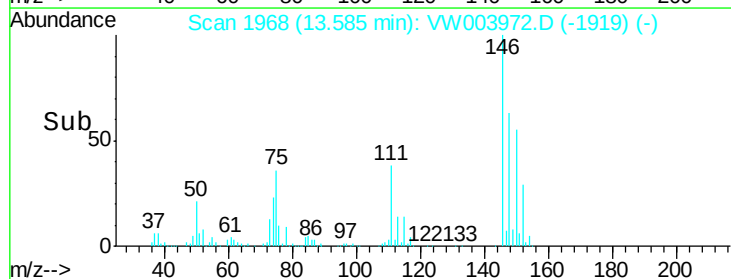
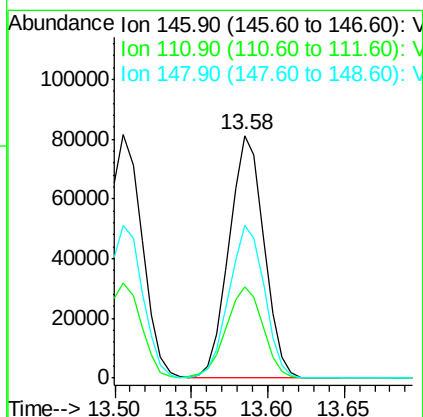
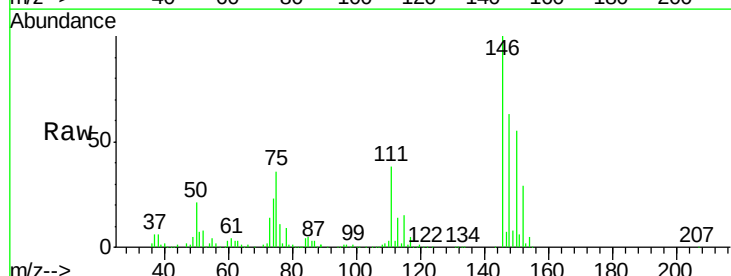
Instrument :
 MSVOA_W
 ClientSampleId :

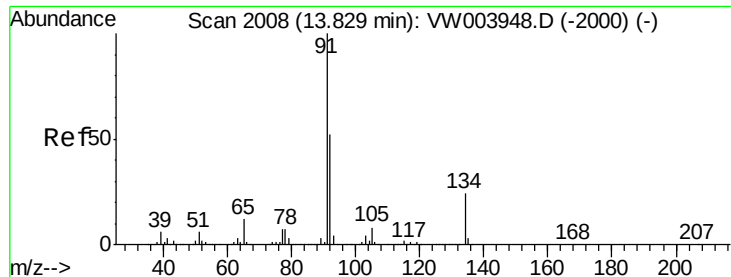
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.6
148	63.6	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 19.974 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003972.D
 Acq: 17 Jul 2018 02:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.6	58.7
148	64.1	32.3	96.8





#89

n-Butylbenzene

Concen: 18.739 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Instrument :

MSVOA_W

ClientSampled :

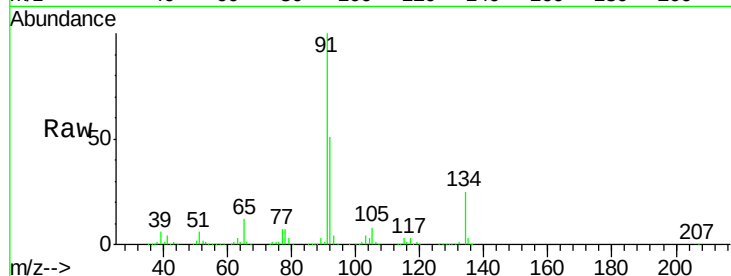
Tot Ion: 91 Resp: 227396

Ion Ratio Lower Upper

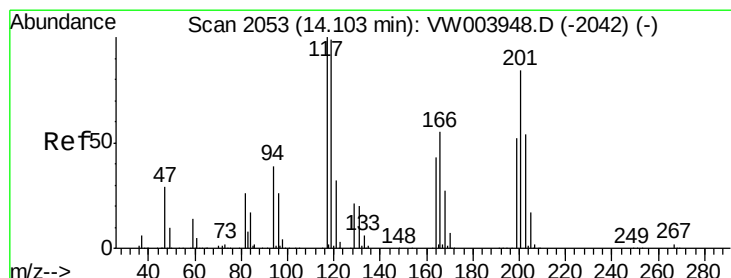
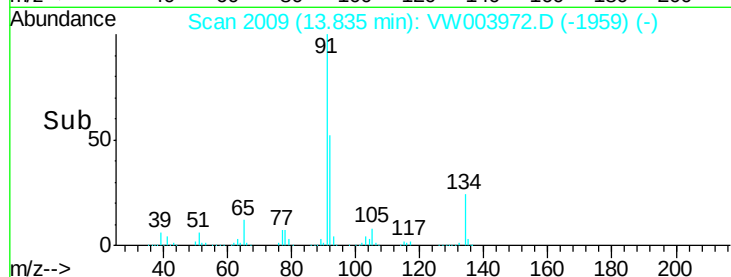
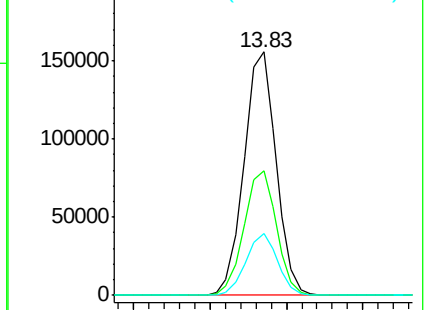
91 100

92 51.7 26.1 78.3

134 25.0 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.663 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW003972.D

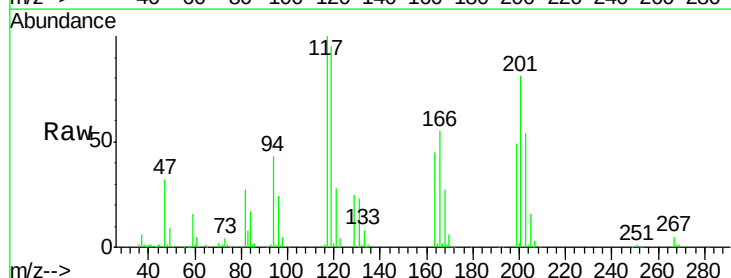
Acq: 17 Jul 2018 02:15

Tgt Ion: 117 Resp: 44744

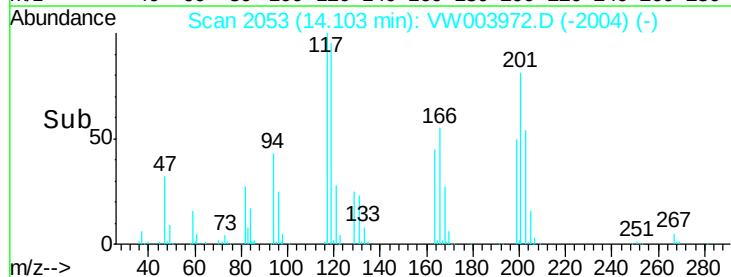
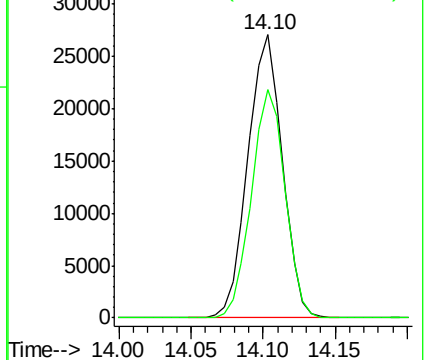
Ion Ratio Lower Upper

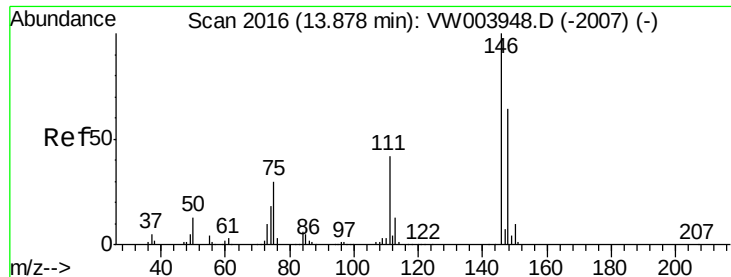
117 100

201 78.4 40.3 120.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

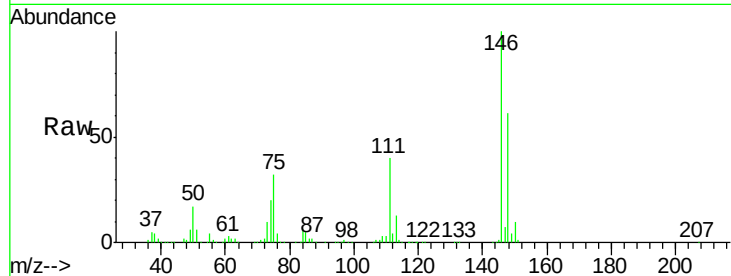




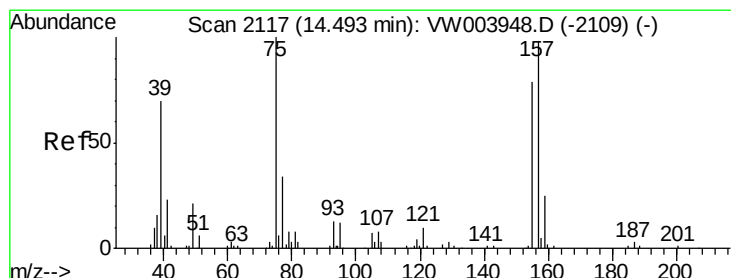
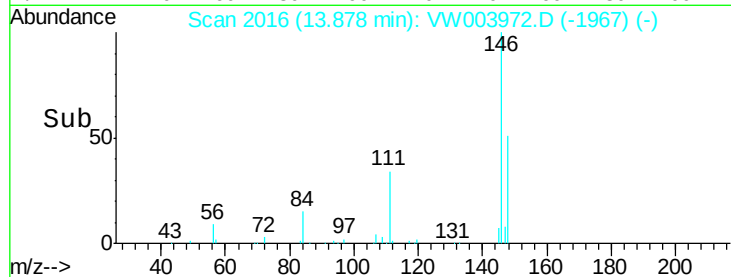
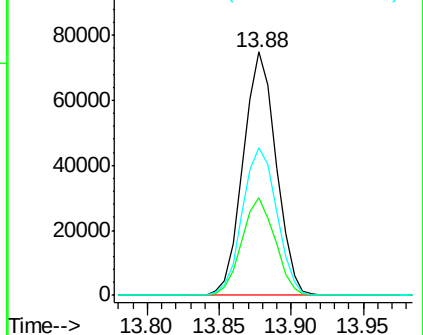
#91
 1,2-Dichlorobenzene
 Concen: 20.746 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003972.D
 Acq: 17 Jul 2018 02:15

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:146 Resp: 118585
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.7 62.1
 148 63.2 32.0 96.2

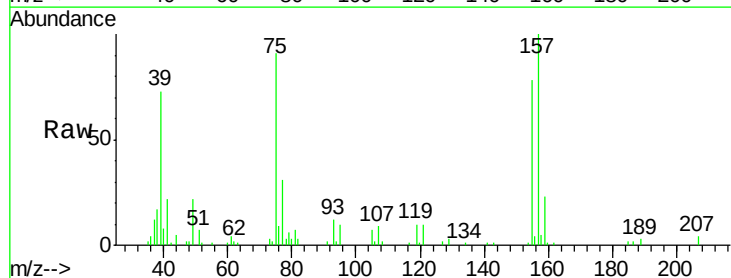


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

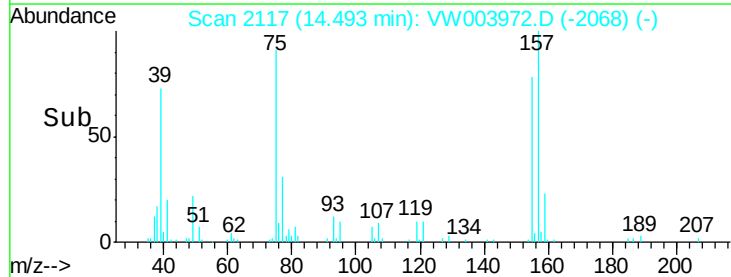
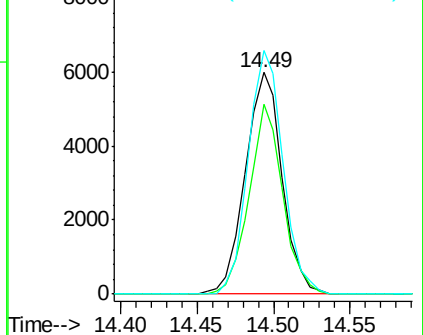


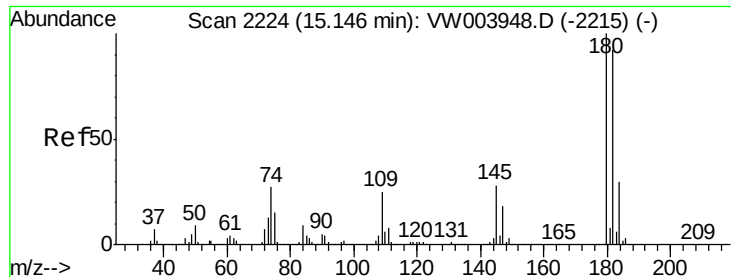
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.637 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003972.D
 Acq: 17 Jul 2018 02:15

Tgt Ion: 75 Resp: 9989
 Ion Ratio Lower Upper
 75 100
 155 78.3 39.4 118.1
 157 103.9 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

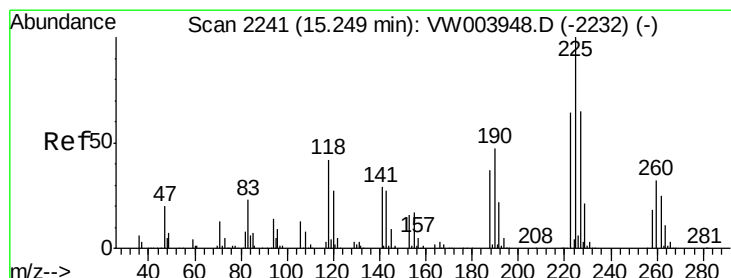
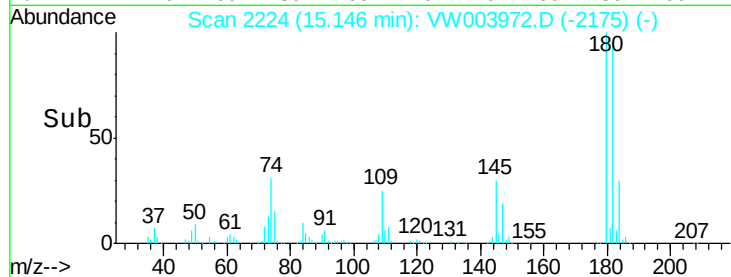
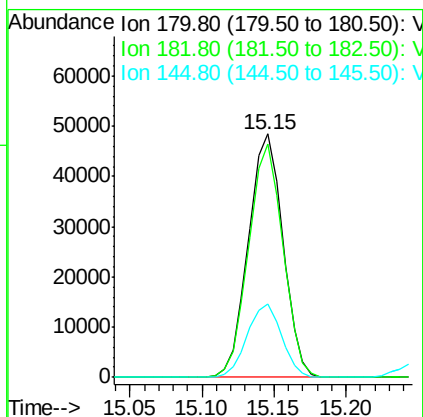
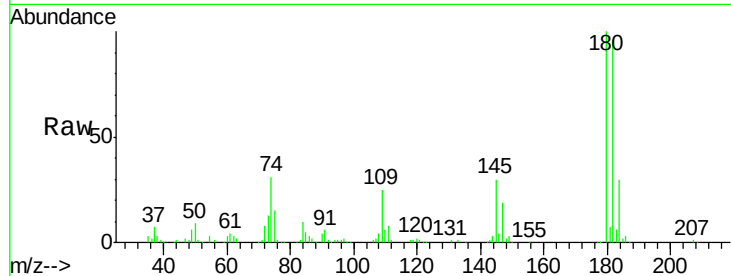




#93
 1,2,4-Trichlorobenzene
 Concen: 20.018 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003972.D
 Acq: 17 Jul 2018 02:15

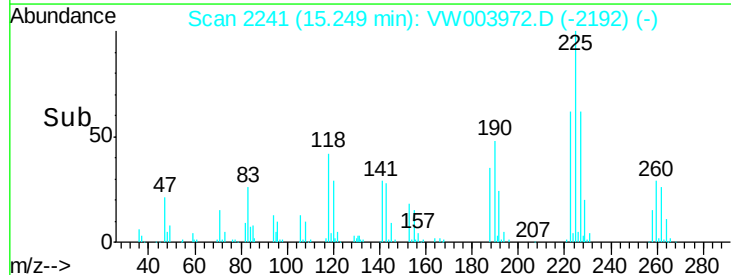
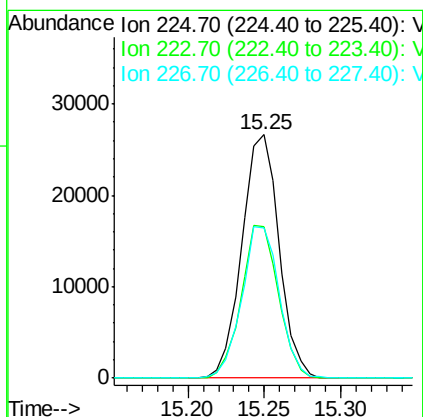
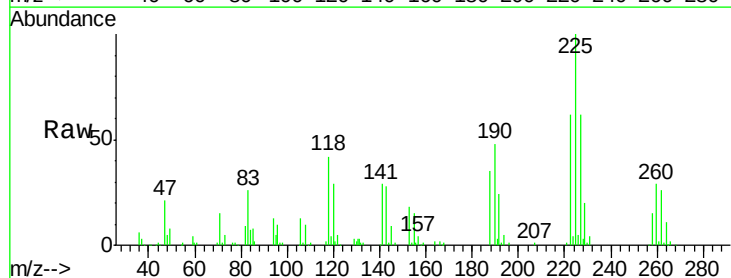
Instrument :
 MSVOA_W
 ClientSampleId :

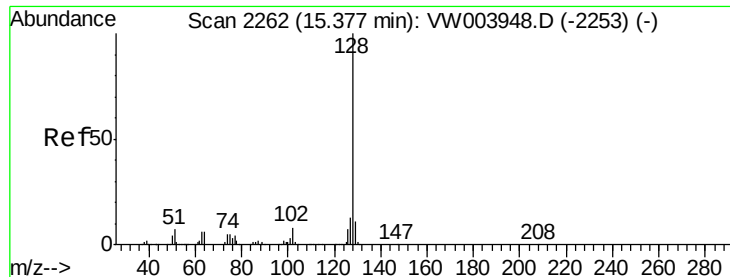
Tot Ion:180 Resp: 80366
 Ion Ratio Lower Upper
 180 100
 182 95.2 46.9 140.8
 145 30.3 15.0 45.0



#94
 Hexachlorobutadiene
 Concen: 19.509 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003972.D
 Acq: 17 Jul 2018 02:15

Tgt Ion:225 Resp: 44974
 Ion Ratio Lower Upper
 225 100
 223 62.6 32.0 96.2
 227 63.2 32.3 96.9





#95

Naphthalene

Concen: 20.787 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

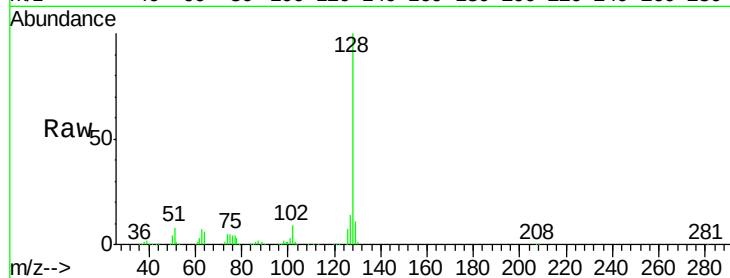
Tot Ion:128 Resp: 154033

Ion Ratio Lower Upper

128 100

127 13.9 10.7 16.1

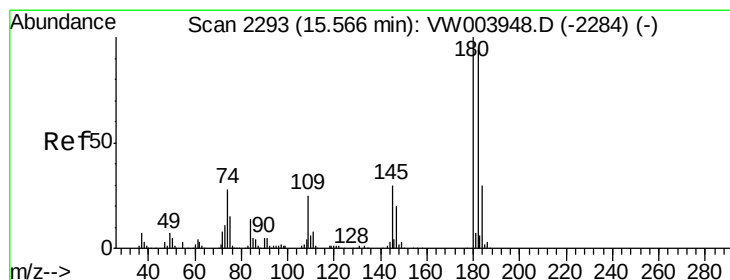
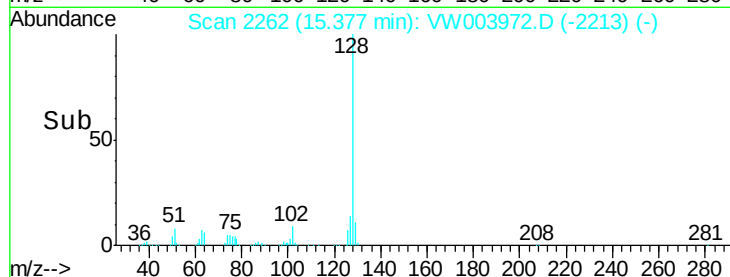
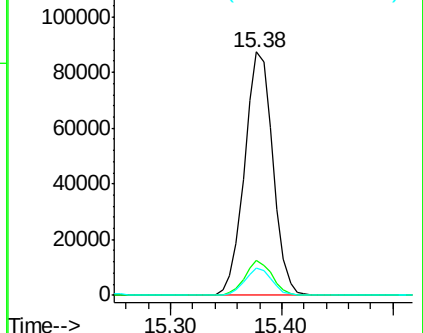
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.498 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW003972.D

Acq: 17 Jul 2018 02:15

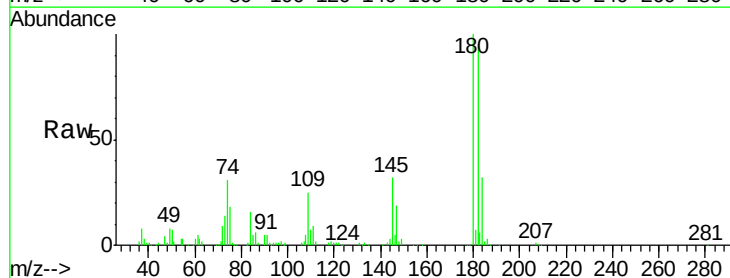
Tgt Ion:180 Resp: 72860

Ion Ratio Lower Upper

180 100

182 97.1 47.5 142.6

145 32.7 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

