

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
 Data File : VW003971.D
 Acq On : 17 Jul 2018 01:48
 Operator : VA/AP
 Sample : VW0716SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 17 08:49:13 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	235758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	377252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	356272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	188672	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	148160	56.22	ug/l	0.00
Spiked Amount			Recovery	=	112.44%	
35) Dibromofluoromethane	7.88	113	126541	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	
50) Toluene-d8	10.33	98	497595	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	
62) 4-Bromofluorobenzene	12.62	95	177828	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	26191	19.782	ug/l	99
3) Chloromethane	2.21	50	39895	22.894	ug/l	99
4) Vinyl Chloride	2.36	62	53787	22.440	ug/l	98
5) Bromomethane	2.77	94	33435	22.317	ug/l	89
6) Chloroethane	2.92	64	30173	22.155	ug/l	92
7) Trichlorofluoromethane	3.24	101	18930	18.812	ug/l	98
8) Diethyl Ether	3.67	74	26461	22.653	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	48201	20.758	ug/l	99
10) Methyl Iodide	4.26	142	71505	21.440	ug/l	99
11) Tert butyl alcohol	5.18	59	20647	113.494	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	48540	21.185	ug/l	97
13) Acrolein	3.89	56	18881	101.009	ug/l	98
14) Allyl chloride	4.65	41	74395	19.671	ug/l	98
15) Acrylonitrile	5.37	53	68384	114.250	ug/l	99
16) Acetone	4.12	43	57630	91.005	ug/l	99
17) Carbon Disulfide	4.37	76	153371	21.446	ug/l	100
18) Methyl Acetate	4.67	43	35421	23.302	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	94609	21.545	ug/l	97
20) Methylene Chloride	4.91	84	65809	18.602	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	52349	20.844	ug/l	99
22) Diisopropyl ether	6.32	45	172991	22.633	ug/l	96
23) Vinyl Acetate	6.26	43	519906	107.354	ug/l	98
24) 1,1-Dichloroethane	6.21	63	101657	21.797	ug/l	99
25) 2-Butanone	7.18	43	94280	110.633	ug/l	100
26) 2,2-Dichloropropane	7.17	77	47372	17.695	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	56486	20.805	ug/l	98
28) Bromochloromethane	7.51	49	43600	22.844	ug/l	98
29) Tetrahydrofuran	7.53	42	62076	116.942	ug/l	99
30) Chloroform	7.67	83	103671	22.348	ug/l	96
31) Cyclohexane	7.95	56	88153	20.164	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	76605	21.147	ug/l	100
36) 1,1-Dichloropropene	8.09	75	80005	20.613	ug/l	99
37) Ethyl Acetate	7.26	43	43771	23.380	ug/l	99
38) Carbon Tetrachloride	8.07	117	72439	19.974	ug/l	96

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Quant Time: Jul 17 08:49:13 2018
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 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	86267	18.978	ug/l	95
40) Benzene	8.32	78	229104	21.276	ug/l	100
41) Methacrylonitrile	7.49	41	24512	23.630	ug/l	90
42) 1,2-Dichloroethane	8.40	62	74012	22.529	ug/l	99
43) Isopropyl Acetate	8.43	43	77556	22.149	ug/l	99
44) Trichloroethene	9.09	130	56858	20.370	ug/l	98
45) 1,2-Dichloropropane	9.37	63	60193	21.901	ug/l	99
46) Dibromomethane	9.46	93	31921	22.382	ug/l	98
47) Bromodichloromethane	9.65	83	75067	21.351	ug/l	97
48) Methyl methacrylate	9.44	41	37477	22.131	ug/l	99
49) 1,4-Dioxane	9.45	88	10659	486.216	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	214681	115.080	ug/l	99
52) Toluene	10.39	92	142928	21.464	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	73254	19.925	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	83514	19.857	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	43786	21.830	ug/l	98
56) Ethyl methacrylate	10.65	69	55887	21.278	ug/l	96
57) 1,3-Dichloropropane	10.94	76	77689	22.293	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	125610	105.562	ug/l	99
59) 2-Hexanone	10.98	43	149488	113.695	ug/l	97
60) Dibromochloromethane	11.13	129	50175	21.480	ug/l	99
61) 1,2-Dibromoethane	11.24	107	43078	22.571	ug/l	99
64) Tetrachloroethene	10.87	164	57287	23.435	ug/l	98
65) Chlorobenzene	11.66	112	156832	20.702	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	54193	20.585	ug/l	99
67) Ethyl Benzene	11.74	91	267344	20.089	ug/l	98
68) m/p-Xylenes	11.85	106	208994	41.089	ug/l	99
69) o-Xylene	12.17	106	94056	19.934	ug/l	97
70) Styrene	12.19	104	163160	20.704	ug/l	100
71) Bromoform	12.35	173	30965	20.833	ug/l #	100
73) Isopropylbenzene	12.47	105	258187	19.366	ug/l	99
74) N-amyl acetate	12.28	43	75876	21.842	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	55635	21.578	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	71268	38.049	ug/l #	100
77) Bromobenzene	12.76	156	64457	20.205	ug/l	99
78) n-propylbenzene	12.81	91	324799	19.858	ug/l	99
79) 2-Chlorotoluene	12.90	91	188949	20.483	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	227433	20.271	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	14626	17.272	ug/l	92
82) 4-Chlorotoluene	12.99	91	199643	20.167	ug/l	100
83) tert-Butylbenzene	13.21	119	182171	19.340	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	233707	20.247	ug/l	99
85) sec-Butylbenzene	13.39	105	276059	19.752	ug/l	100
86) p-Isopropyltoluene	13.51	119	242255	19.761	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	129164	20.272	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	129245	20.226	ug/l	99
89) n-Butylbenzene	13.83	91	230123	19.095	ug/l	99
90) Hexachloroethane	14.10	117	44168	19.545	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	119250	21.007	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10093	22.014	ug/l	96

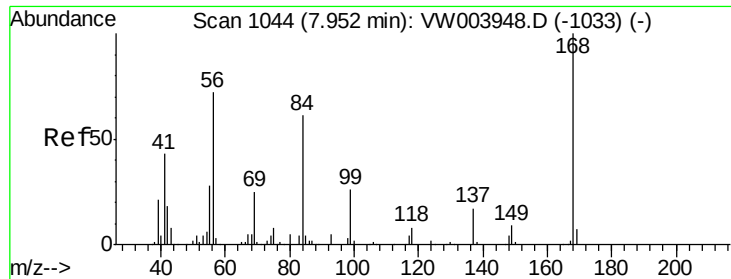
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071618\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	79893	20.039	ug/l	100
94) Hexachlorobutadiene	15.25	225	44398	19.393	ug/l	99
95) Naphthalene	15.38	128	153360	20.840	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	73112	20.712	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

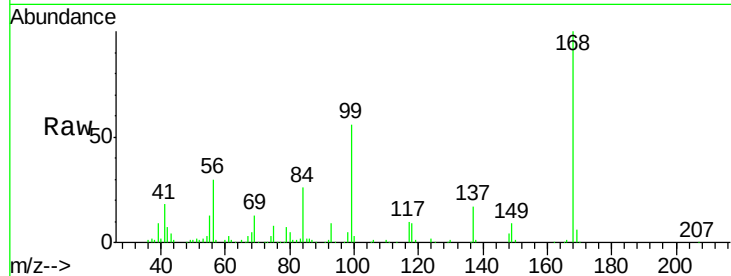
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 235758

Ion Ratio Lower Upper

168 100

99 55.6 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

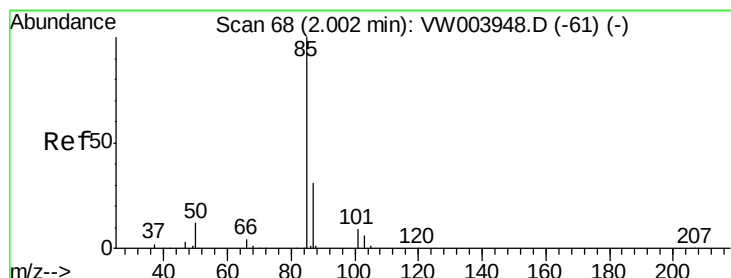
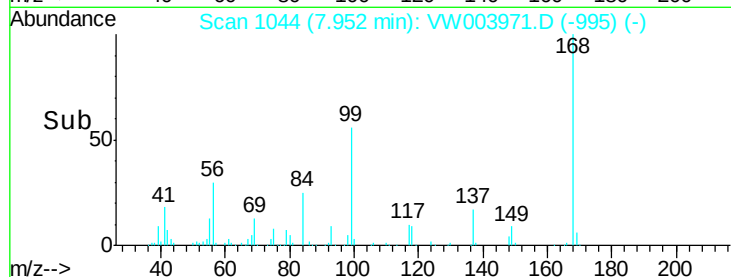
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 19.782 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW003971.D

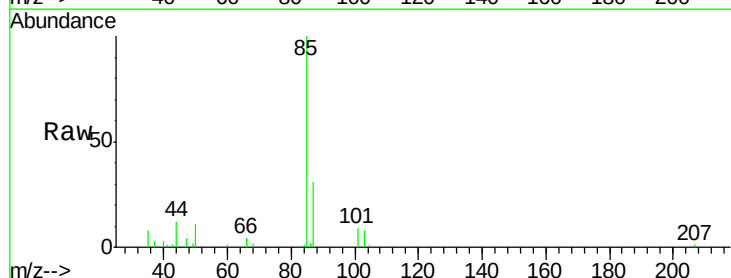
Acq: 17 Jul 2018 01:48

Tgt Ion: 85 Resp: 26191

Ion Ratio Lower Upper

85 100

87 31.3 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

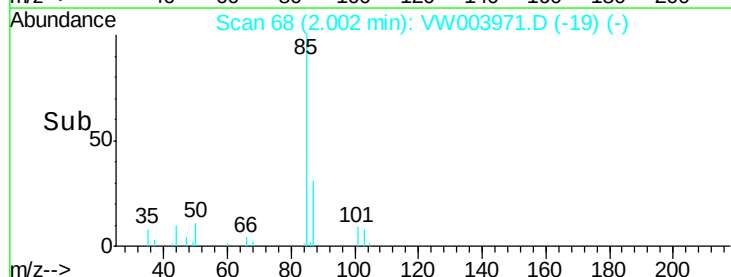
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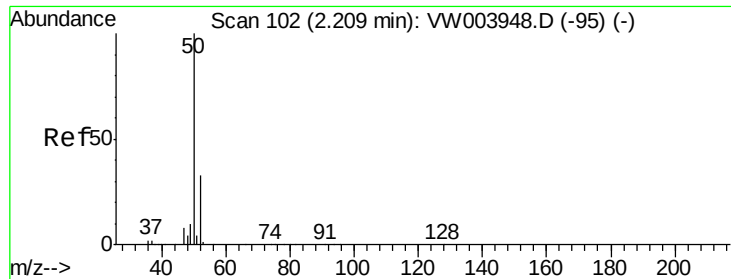
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 22.894 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

Instrument :

MSVOA_W

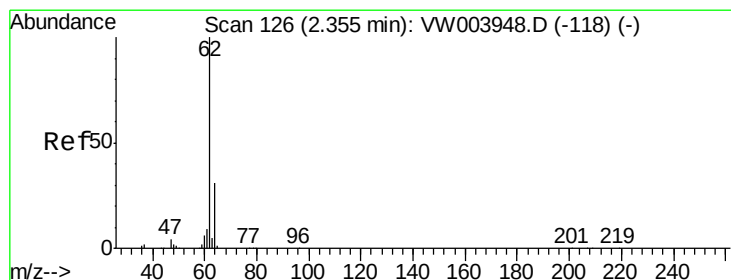
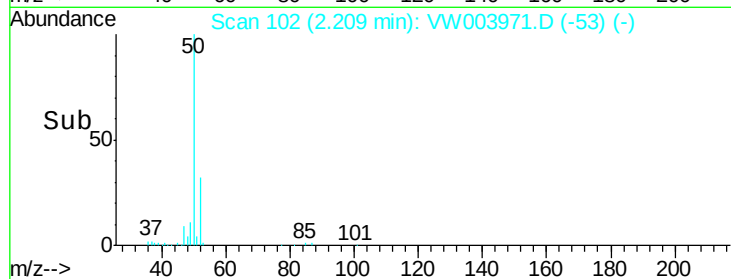
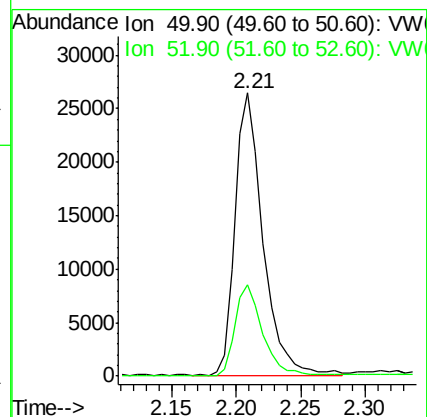
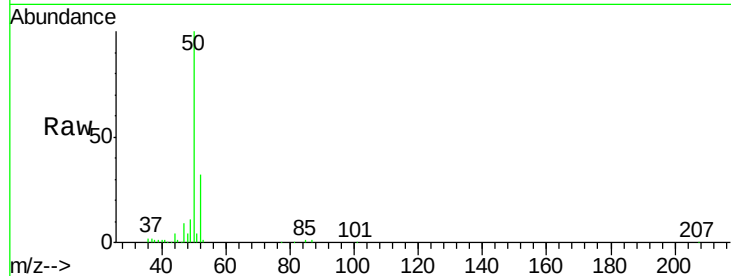
ClientSampled :

Tot Ion: 50 Resp: 39895

Ion Ratio Lower Upper

50 100

52 32.3 26.3 39.5



#4

Vinyl Chloride

Concen: 22.440 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003971.D

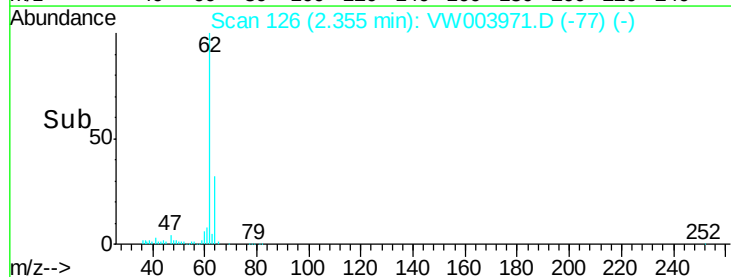
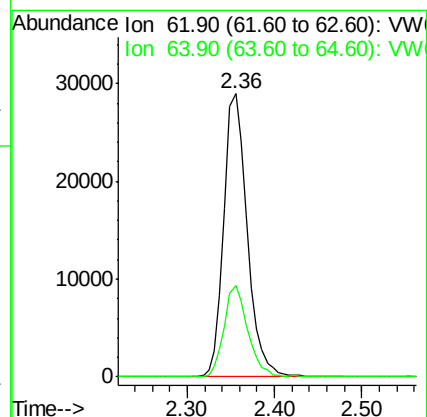
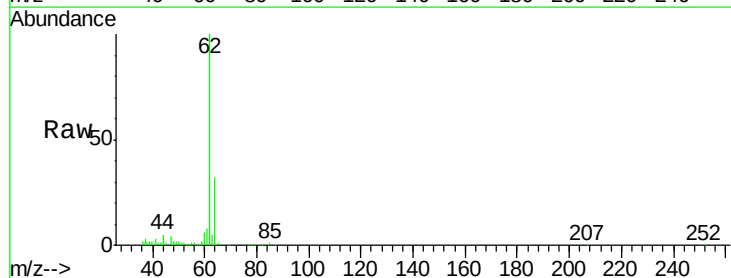
Acq: 17 Jul 2018 01:48

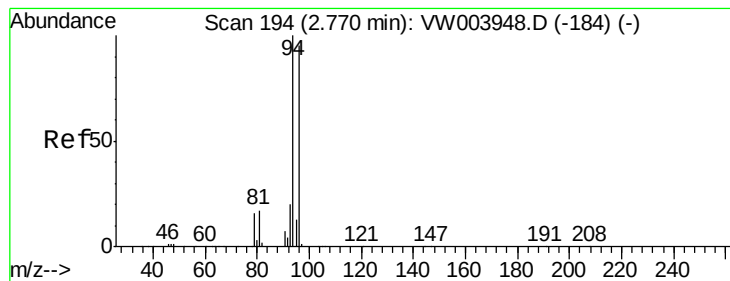
Tgt Ion: 62 Resp: 53787

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.6





#5

Bromomethane

Concen: 22.317 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

Instrument :

MSVOA_W

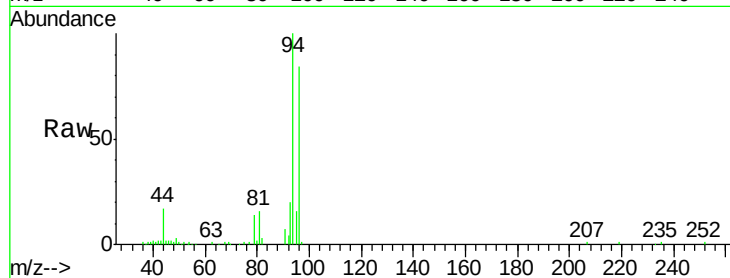
ClientSampleId :

Tot Ion: 94 Resp: 33435

Ion Ratio Lower Upper

94 100

96 83.8 75.8 113.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

15000

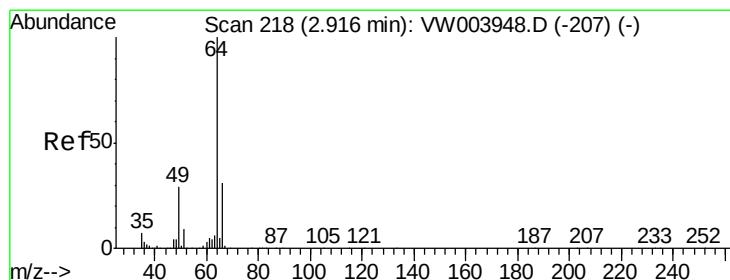
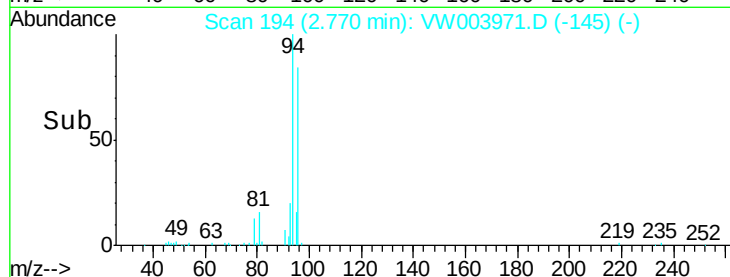
10000

5000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 22.155 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.00 min

Lab File: VW003971.D

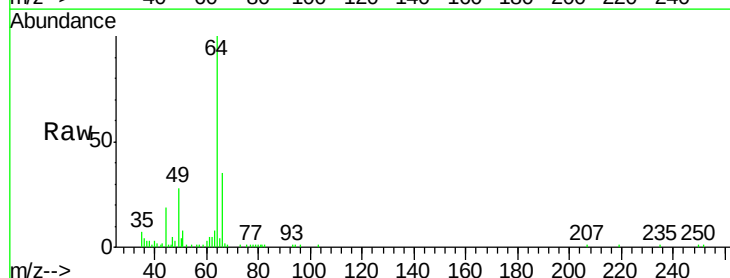
Acq: 17 Jul 2018 01:48

Tgt Ion: 64 Resp: 30173

Ion Ratio Lower Upper

64 100

66 35.0 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

12000

10000

8000

6000

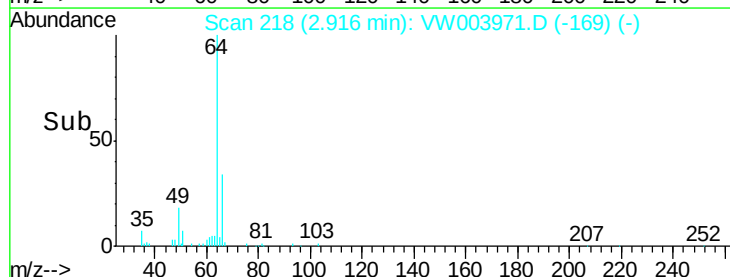
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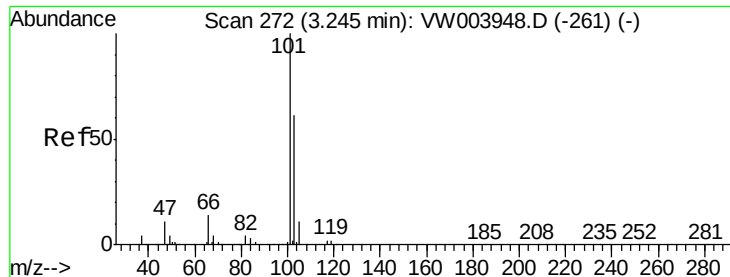
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Time-->

2.80 2.90 3.00



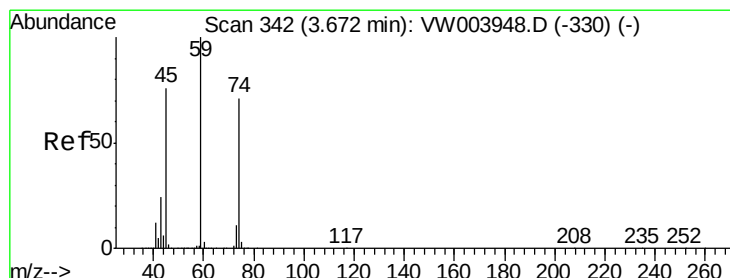
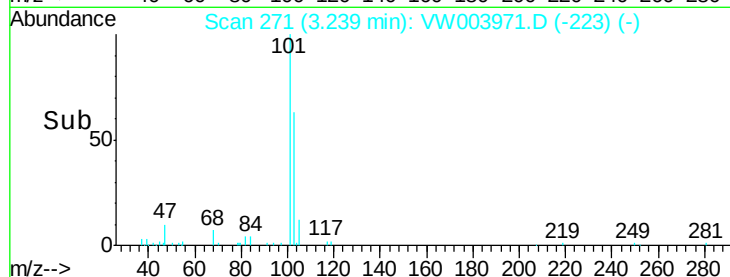
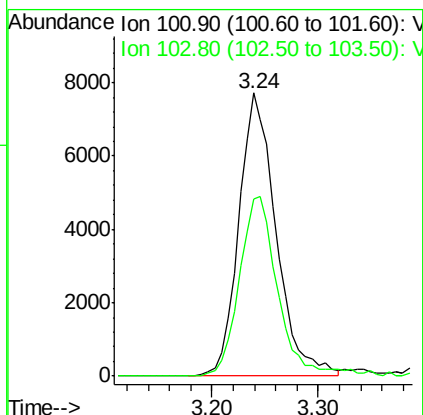
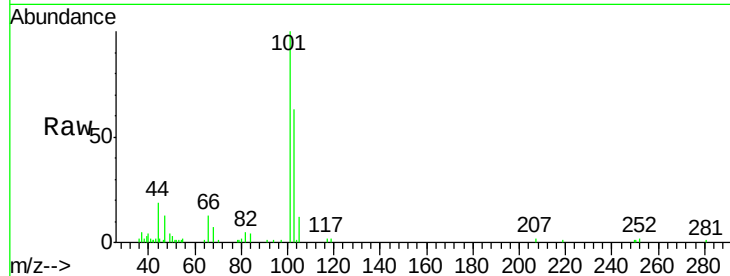


#7

Trichlorofluoromethane
Concen: 18.812 ug/l
RT: 3.24 min Scan# 271
Delta R.T. -0.01 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

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MSVOA_W
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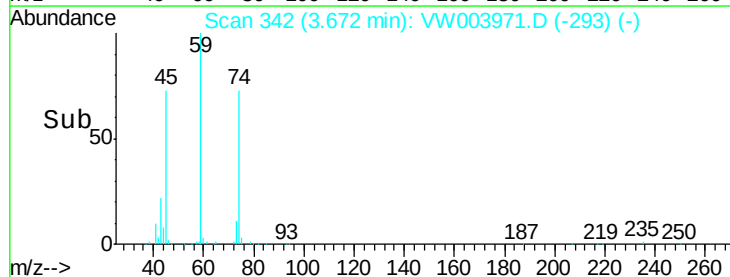
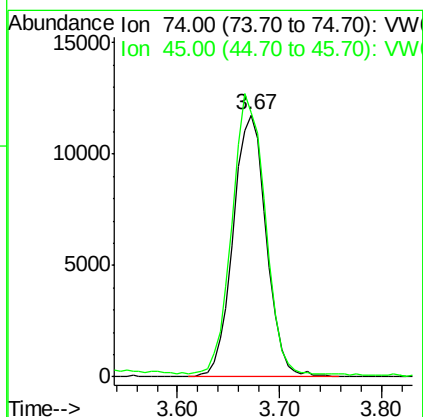
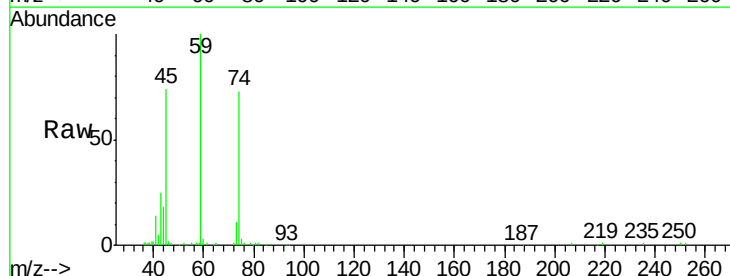
Tot Ion:101 Resp: 18930
Ion Ratio Lower Upper
101 100
103 62.8 49.0 73.6

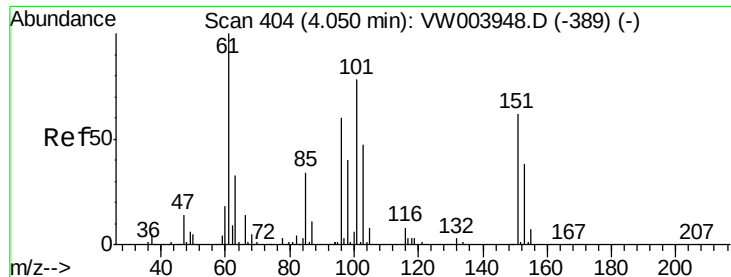


#8

Diethyl Ether
Concen: 22.653 ug/l
RT: 3.67 min Scan# 342
Delta R.T. 0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

Tgt Ion: 74 Resp: 26461
Ion Ratio Lower Upper
74 100
45 106.5 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.758 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

Instrument :

MSVOA_W

ClientSampled :

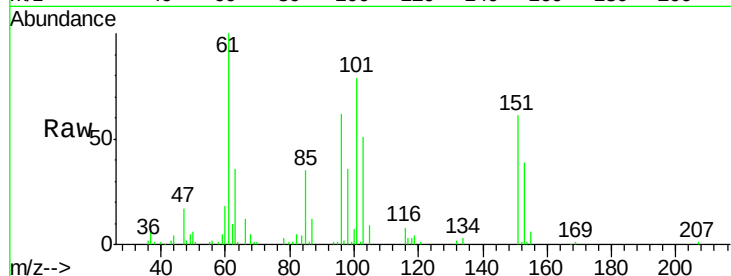
Tot Ion:101 Resp: 48201

Ion Ratio Lower Upper

101 100

85 44.5 35.8 53.6

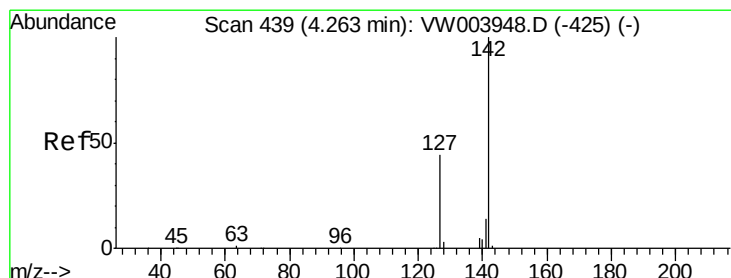
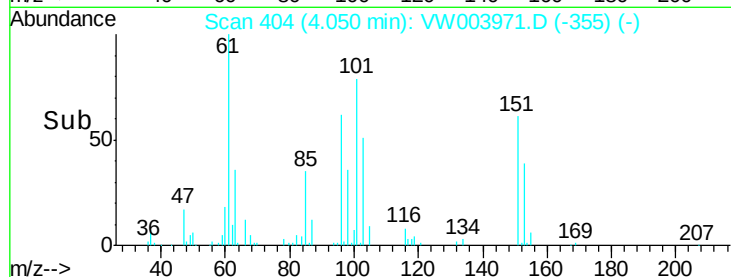
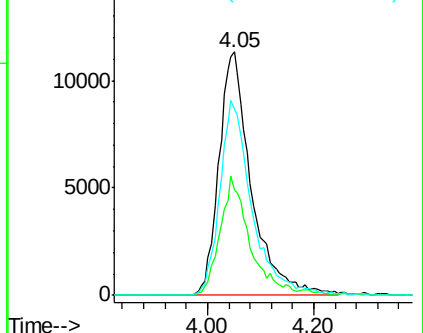
151 78.7 63.6 95.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.440 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.01 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

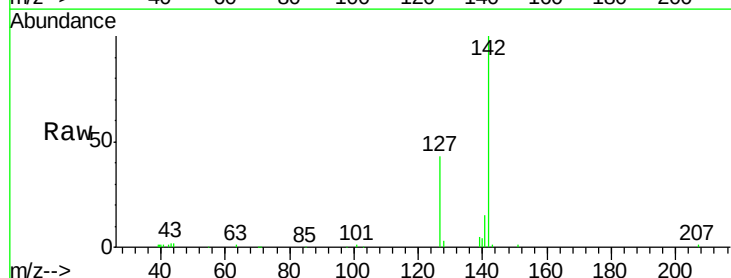
Tgt Ion:142 Resp: 71505

Ion Ratio Lower Upper

142 100

127 44.9 35.4 53.2

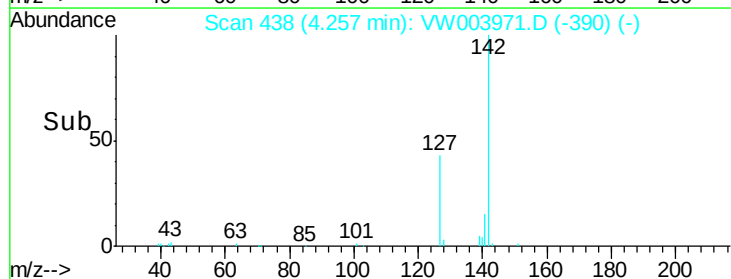
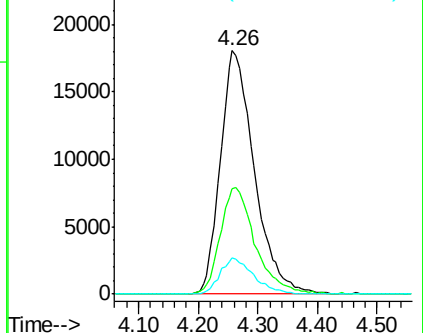
141 14.7 11.7 17.5

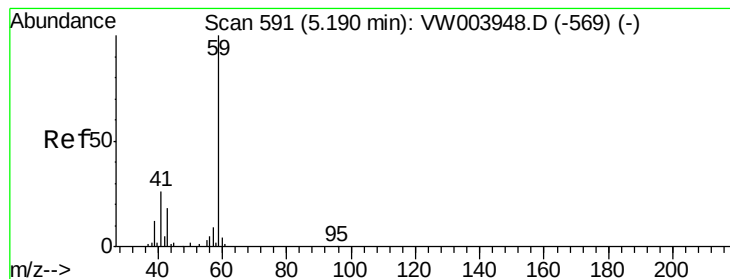


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 113.494 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.01 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

Instrument :

MSVOA_W

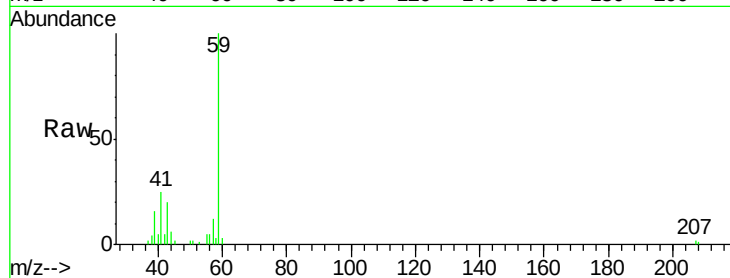
ClientSampleId :

Tot Ion: 59 Resp: 20647

Ion Ratio Lower Upper

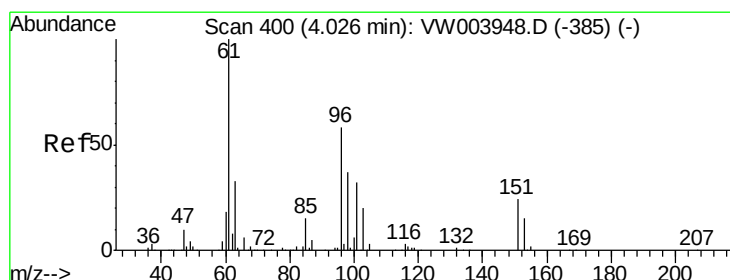
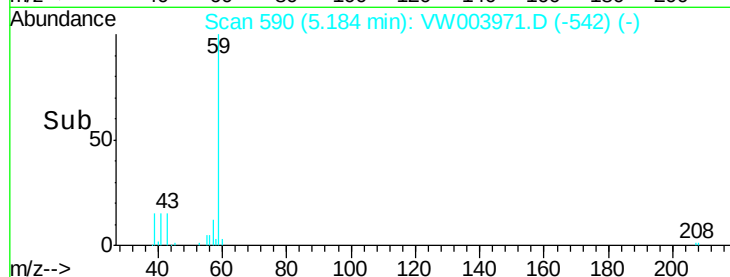
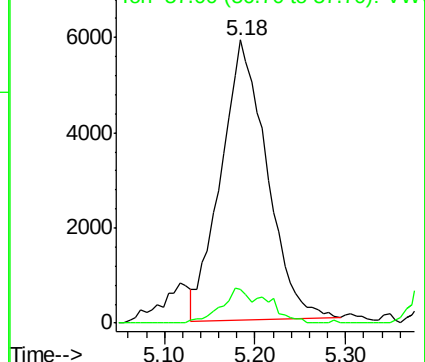
59 100

57 7.5 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 21.185 ug/l

RT: 4.03 min Scan# 400

Delta R.T. -0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

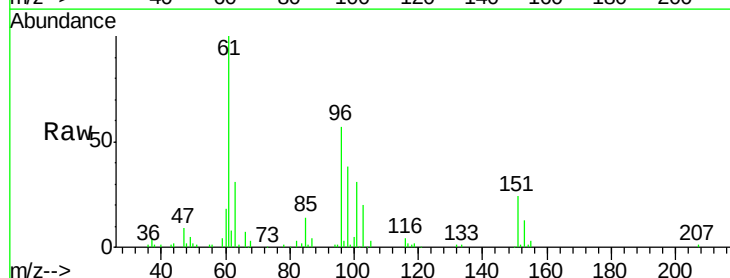
Tgt Ion: 96 Resp: 48540

Ion Ratio Lower Upper

96 100

61 175.5 137.0 205.6

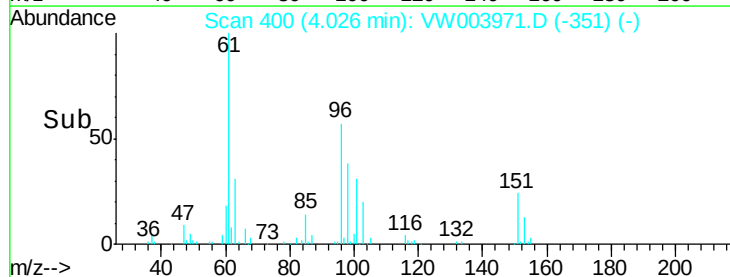
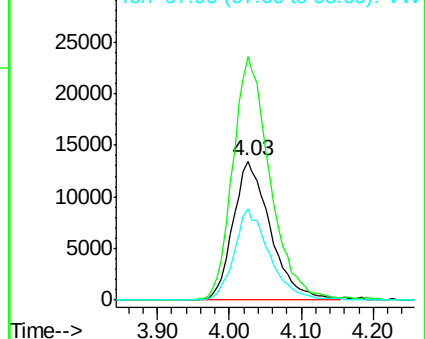
98 65.9 50.2 75.4

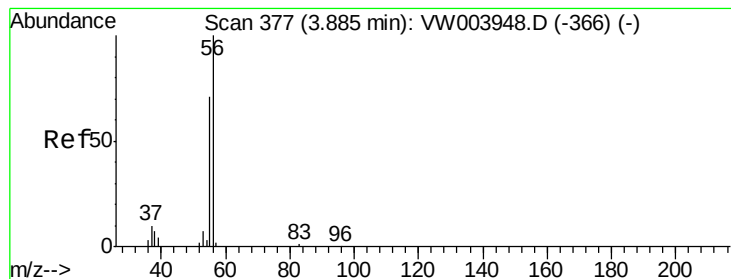


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 101.009 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

Instrument :

MSVOA_W

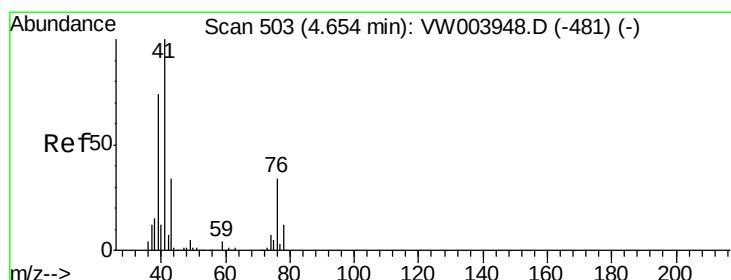
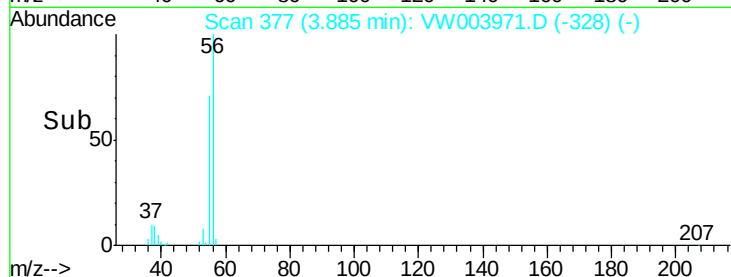
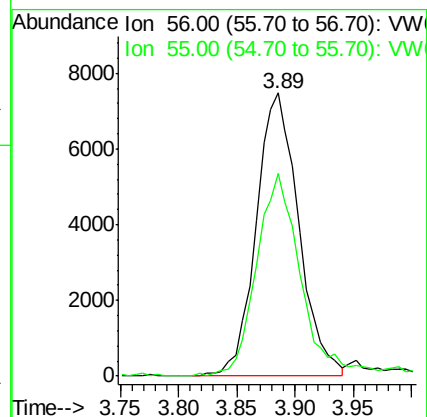
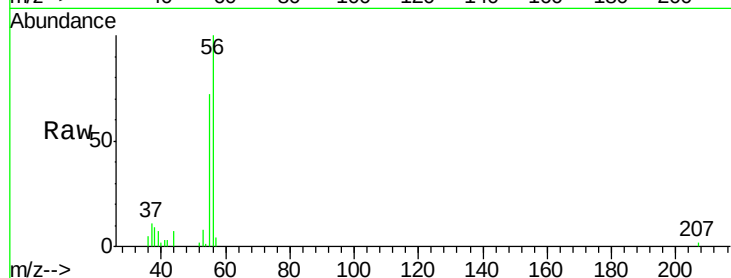
ClientSampleId :

Tot Ion: 56 Resp: 18881

Ion Ratio Lower Upper

56 100

55 74.4 58.2 87.4



#14

Allyl chloride

Concen: 19.671 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

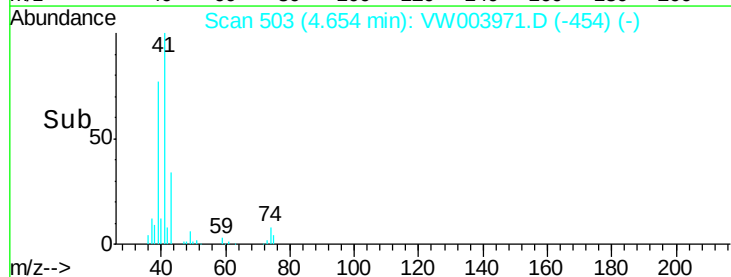
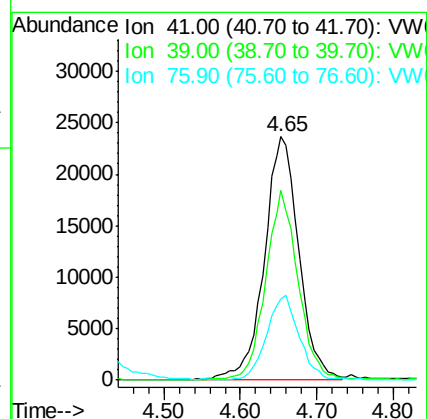
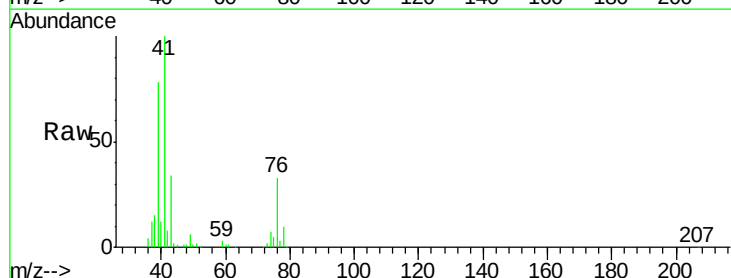
Tgt Ion: 41 Resp: 74395

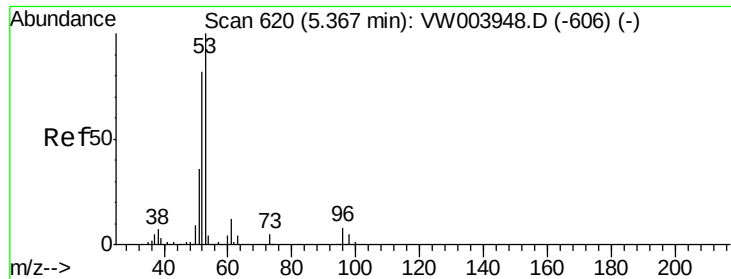
Ion Ratio Lower Upper

41 100

39 73.5 57.0 85.4

76 32.6 26.5 39.7





#15

Acrylonitrile

Concen: 114.250 ug/l

RT: 5.37 min Scan# 620

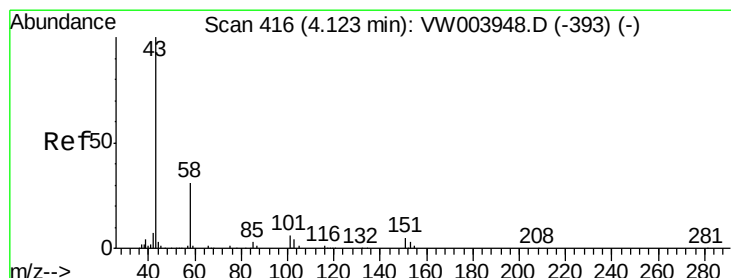
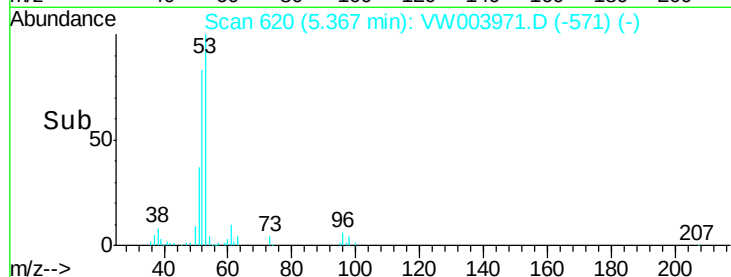
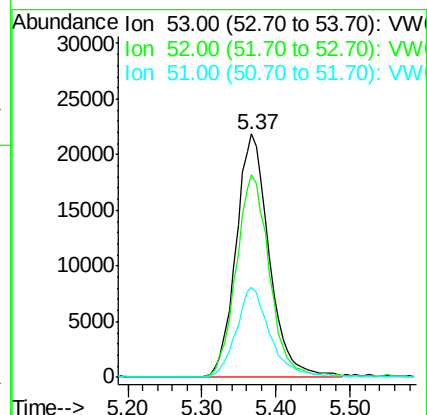
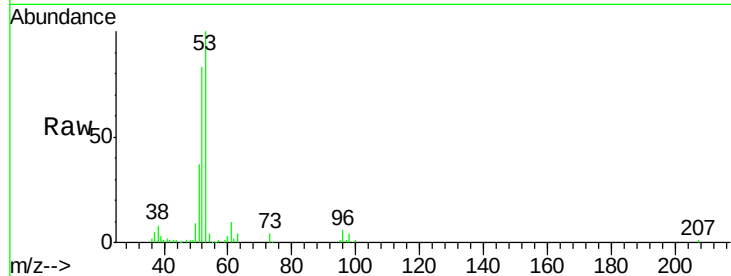
Delta R.T. 0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	53	Resp:	68384
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.1	99.1
51	37.8	29.8	44.6



#16

Acetone

Concen: 91.005 ug/l

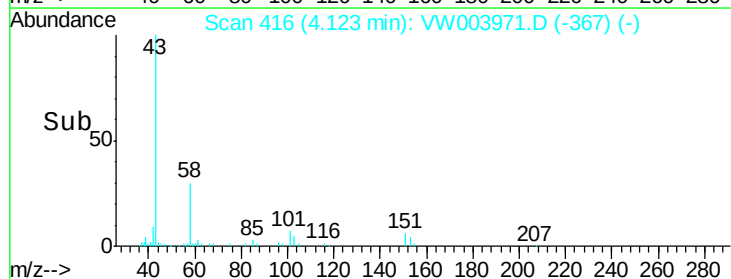
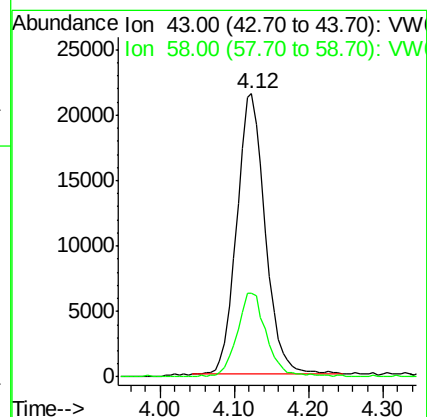
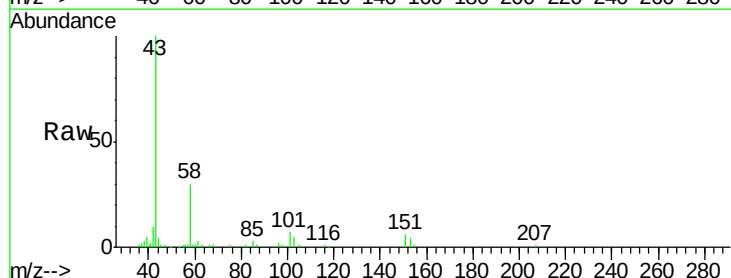
RT: 4.12 min Scan# 416

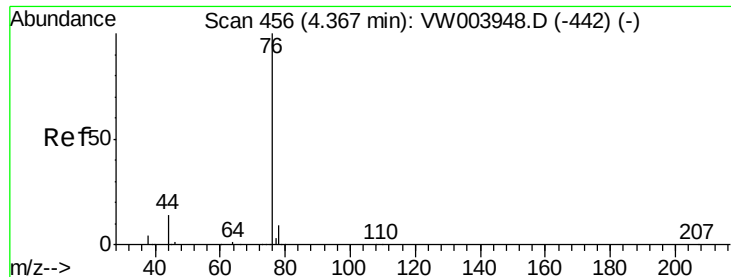
Delta R.T. -0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

Tgt Ion:	43	Resp:	57630
Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.5	36.7

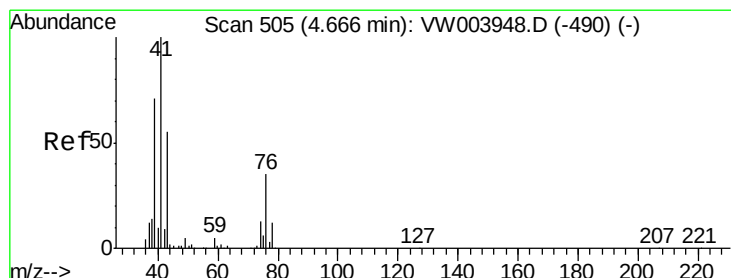
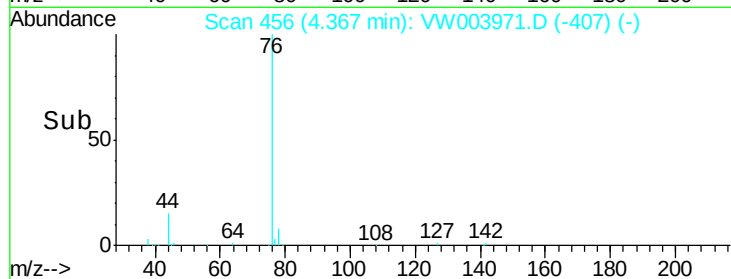
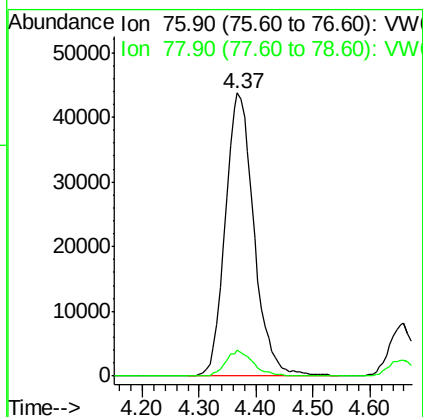
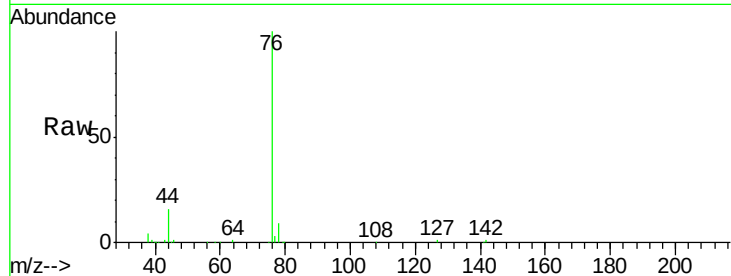




#17
Carbon Disulfide
Concen: 21.446 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

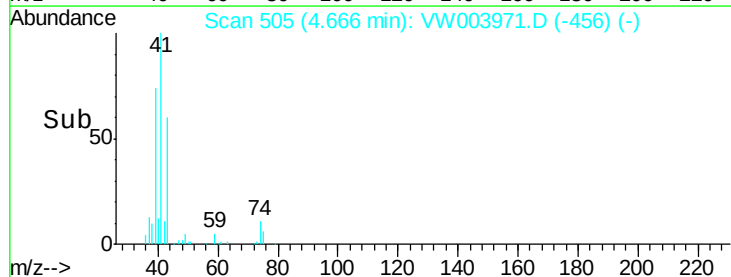
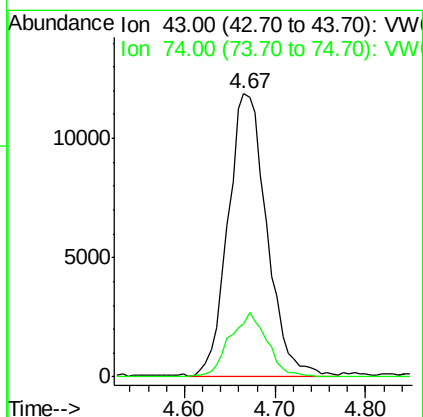
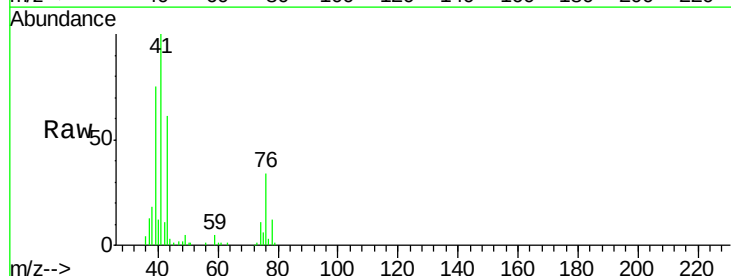
Instrument :
MSVOA_W
ClientSampleId :

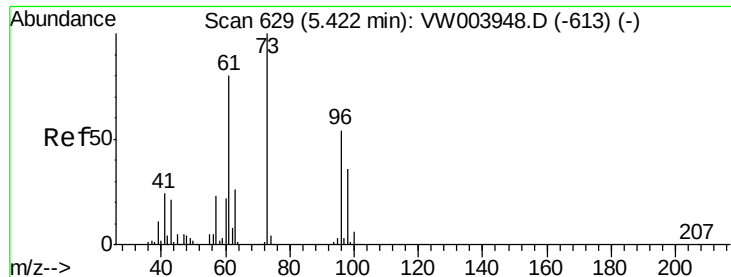
Tot Ion: 76 Resp: 153371
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 23.302 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

Tgt Ion: 43 Resp: 35421
Ion Ratio Lower Upper
43 100
74 21.8 17.7 26.5

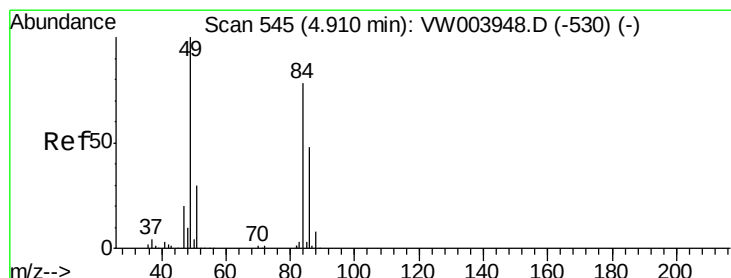
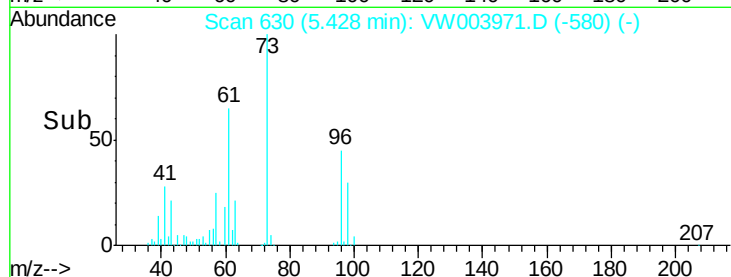
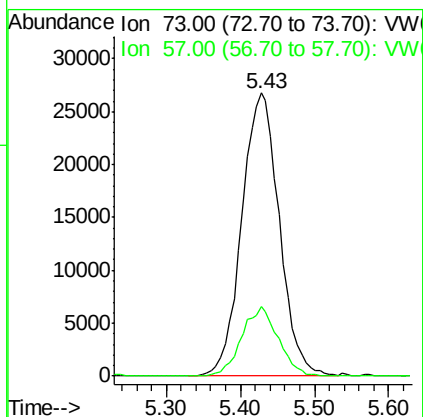
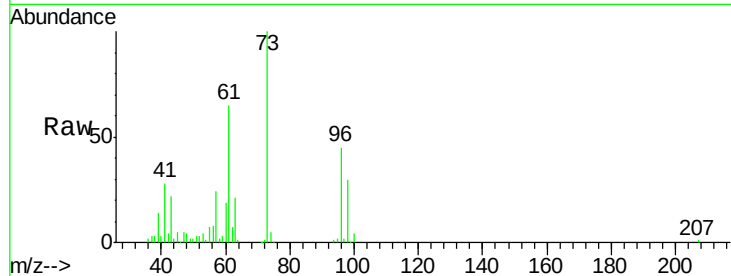




#19
Methyl tert-butyl Ether
Concen: 21.545 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

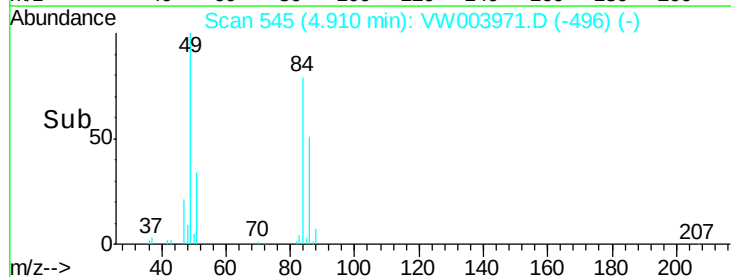
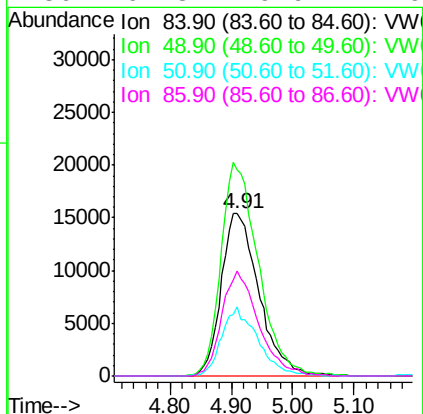
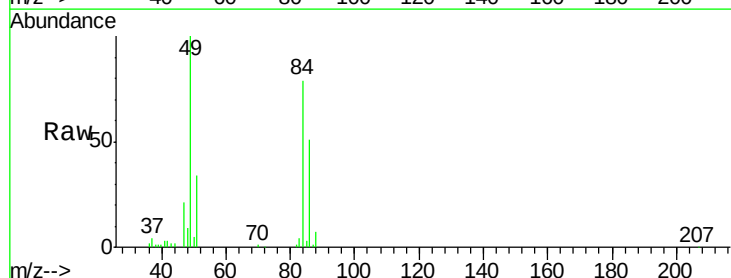
Instrument :
MSVOA_W
ClientSampled :

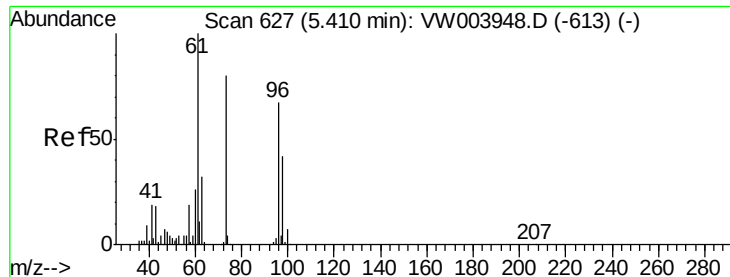
Tot Ion: 73 Resp: 94609
Ion Ratio Lower Upper
73 100
57 24.4 18.2 27.4



#20
Methylene Chloride
Concen: 18.602 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

Tgt Ion: 84 Resp: 65809
Ion Ratio Lower Upper
84 100
49 126.7 102.9 154.3
51 42.9 30.9 46.3
86 64.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.844 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

Instrument :
MSVOA_W
ClientSampleId :

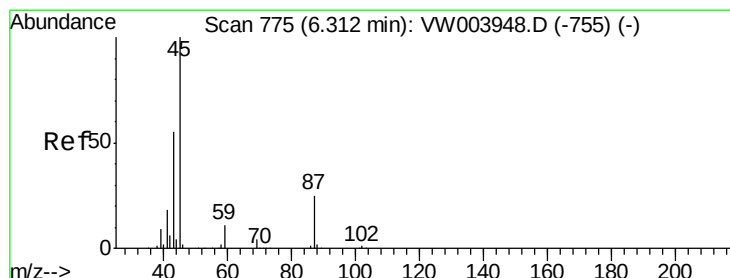
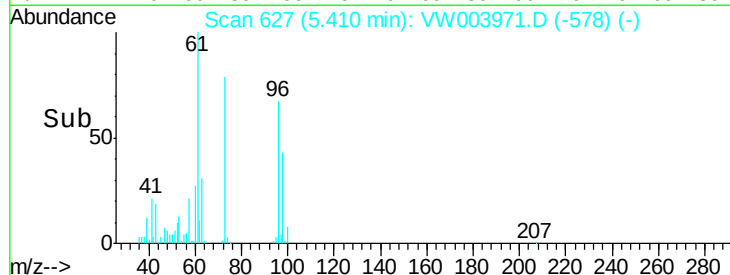
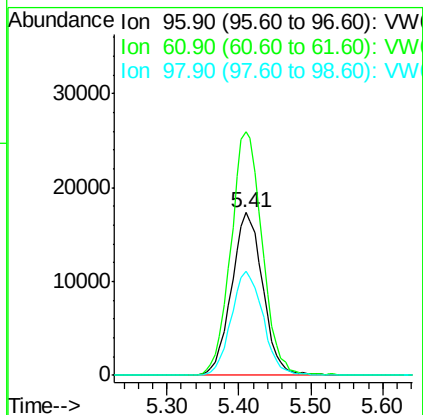
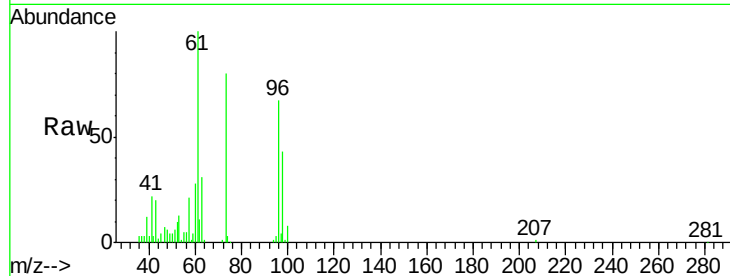
Tot Ion: 96 Resp: 52349

Ion Ratio Lower Upper

96 100

61 149.5 119.0 178.4

98 63.8 49.9 74.9



#22

Diisopropyl ether

Concen: 22.633 ug/l

RT: 6.32 min Scan# 776

Delta R.T. 0.01 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

Tgt Ion: 45 Resp: 172991

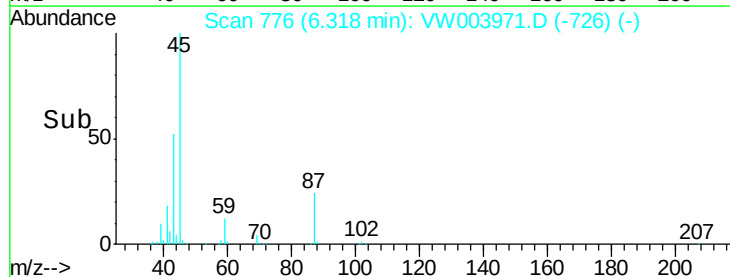
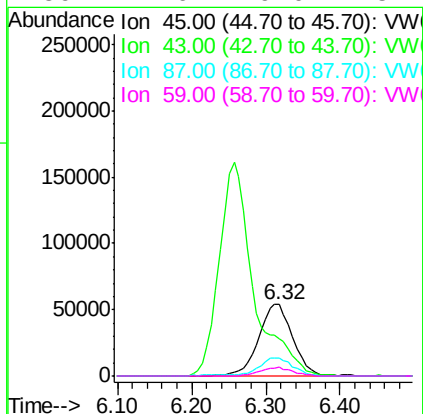
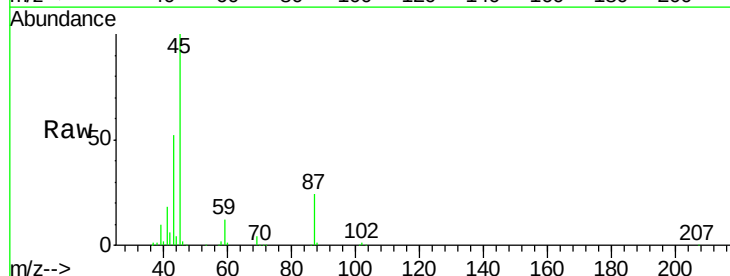
Ion Ratio Lower Upper

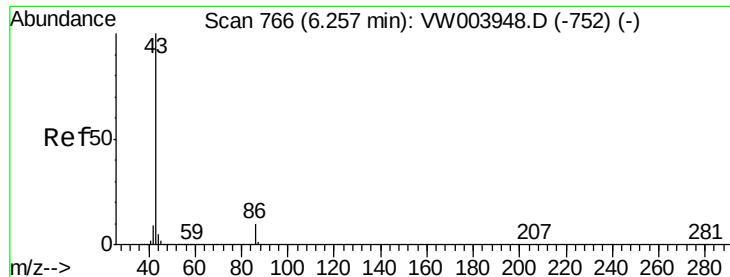
45 100

43 51.0 44.3 66.5

87 24.3 20.2 30.4

59 11.6 9.0 13.4





#23

Vinyl Acetate

Concen: 107.354 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

Instrument :

MSVOA_W

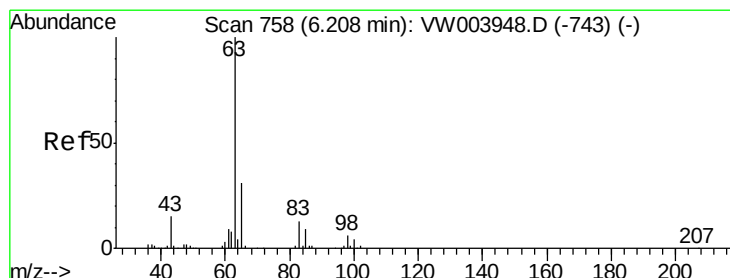
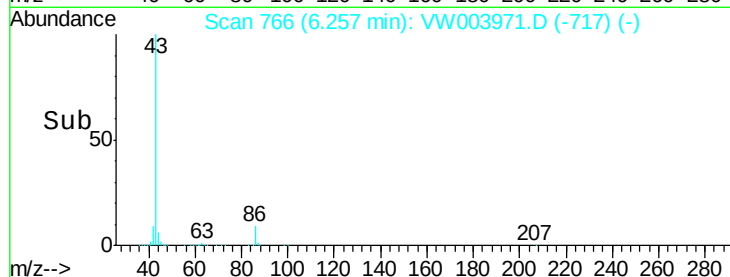
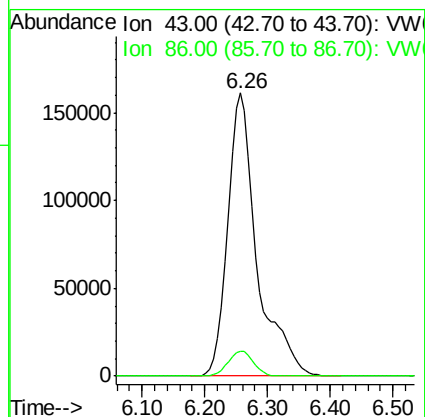
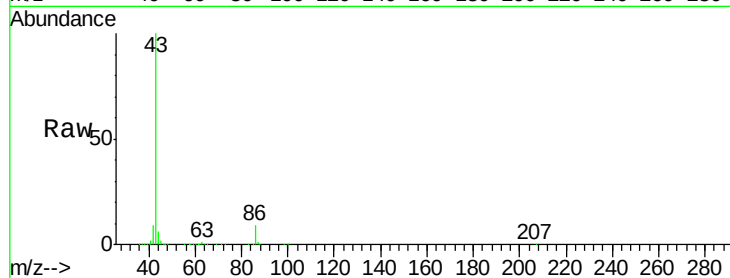
ClientSampleId :

Tot Ion: 43 Resp: 519906

Ion Ratio Lower Upper

43 100

86 8.7 7.6 11.4



#24

1,1-Dichloroethane

Concen: 21.797 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

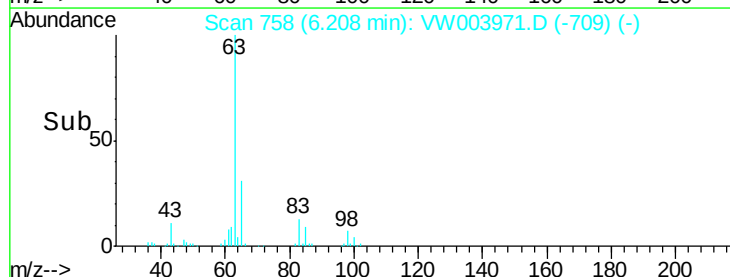
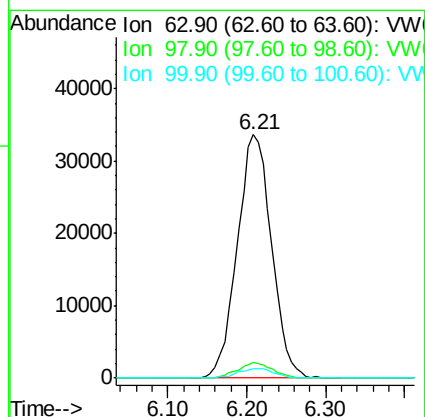
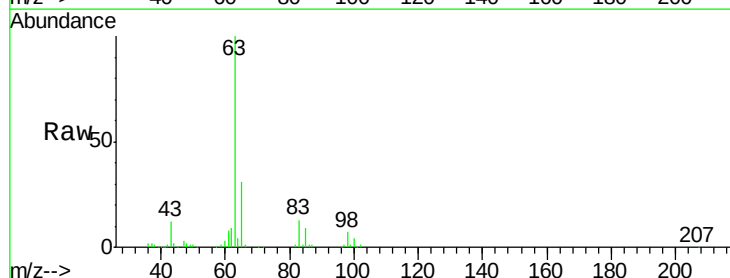
Tgt Ion: 63 Resp: 101657

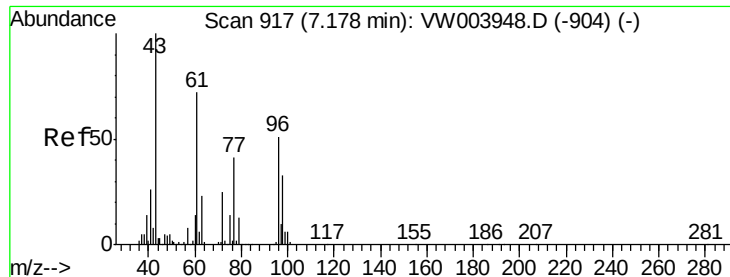
Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

100 3.8 2.1 6.5





#25

2-Butanone

Concen: 110.633 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

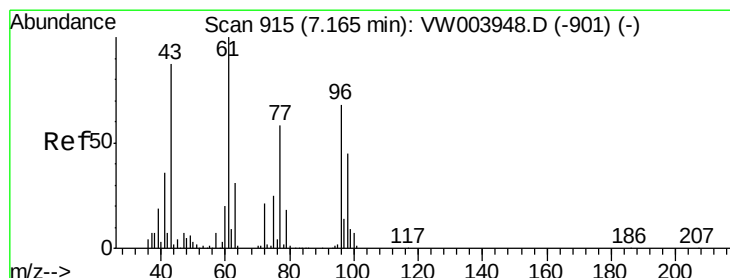
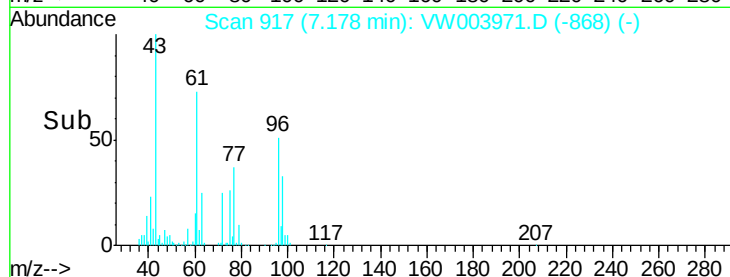
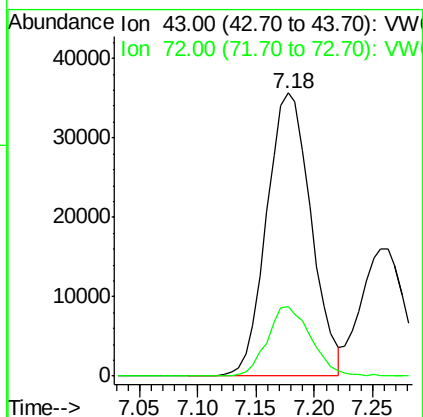
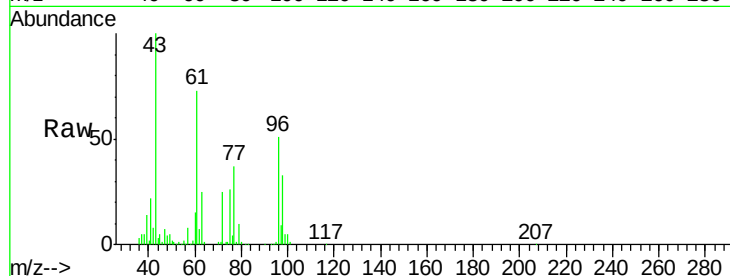
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 94280

Ion Ratio Lower Upper

43 100

72 24.8 19.8 29.6



#26

2,2-Dichloropropane

Concen: 17.695 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW003971.D

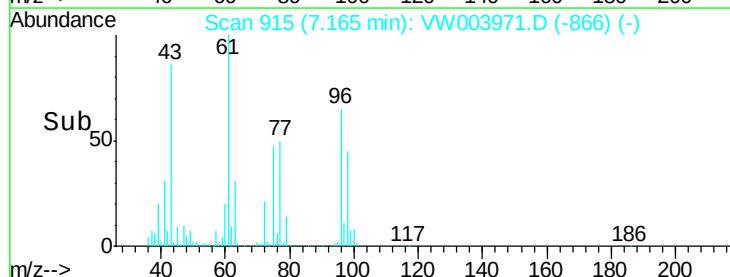
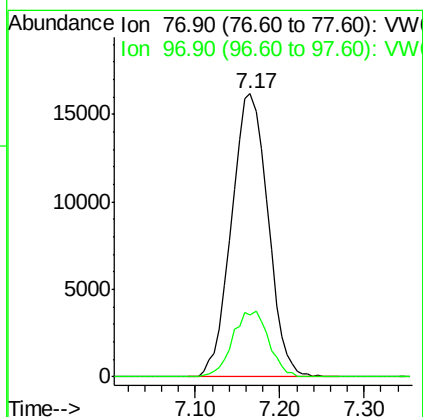
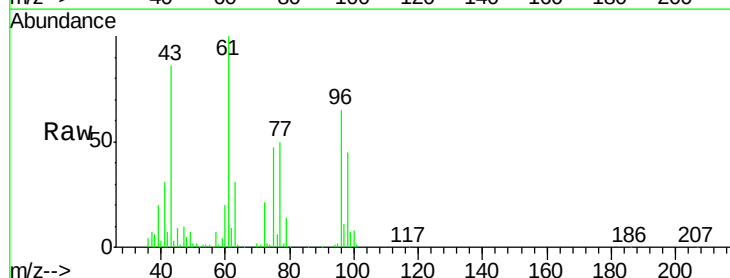
Acq: 17 Jul 2018 01:48

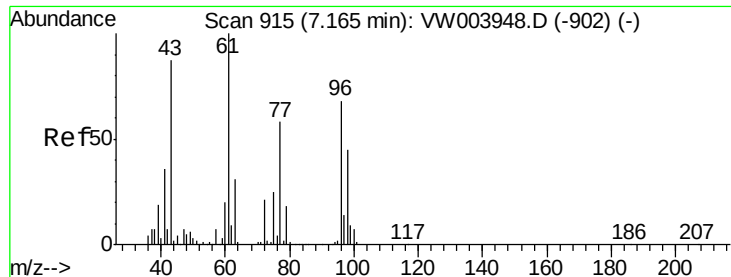
Tgt Ion: 77 Resp: 47372

Ion Ratio Lower Upper

77 100

97 22.9 11.8 35.3



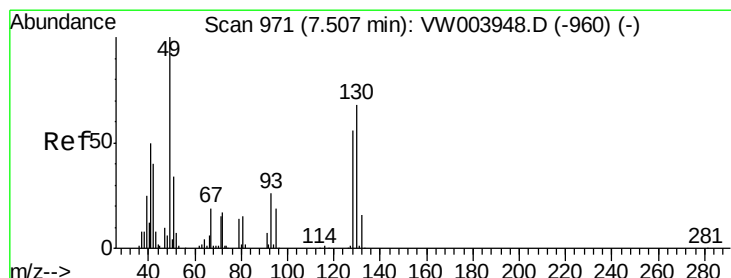
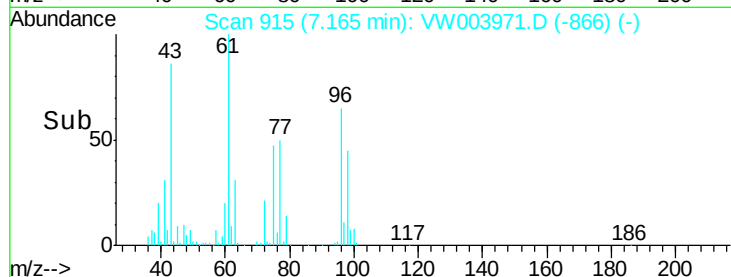
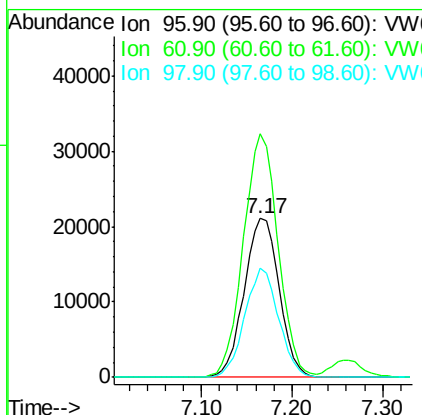
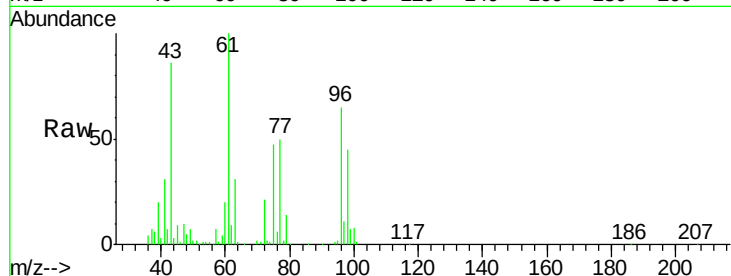


#27

cis-1,2-Dichloroethene
Concen: 20.805 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

Instrument :
MSVOA_W
ClientSampled :

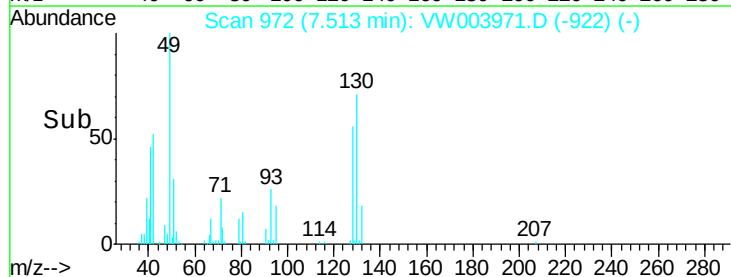
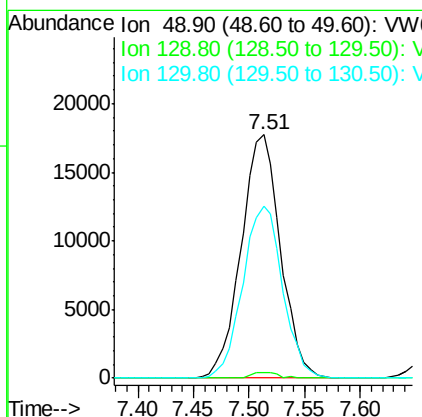
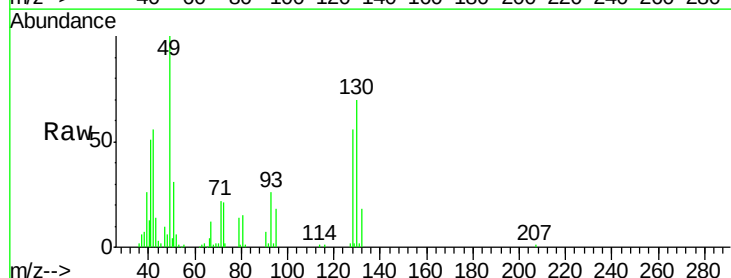
Tot Ion: 96 Resp: 56486
Ion Ratio Lower Upper
96 100
61 151.6 0.0 298.6
98 66.1 0.0 130.4

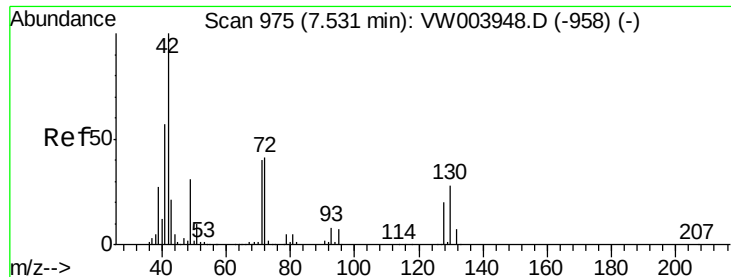


#28

Bromochloromethane
Concen: 22.844 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.01 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

Tgt Ion: 49 Resp: 43600
Ion Ratio Lower Upper
49 100
129 1.5 0.0 2.2
130 71.5 58.3 87.5

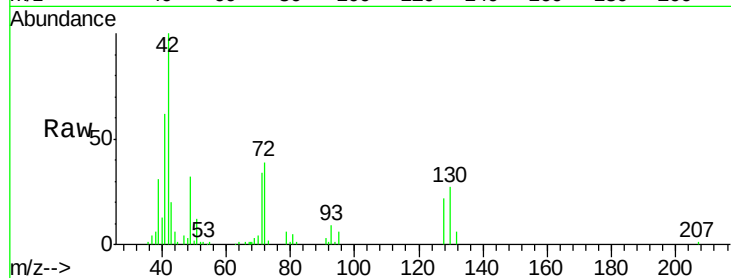




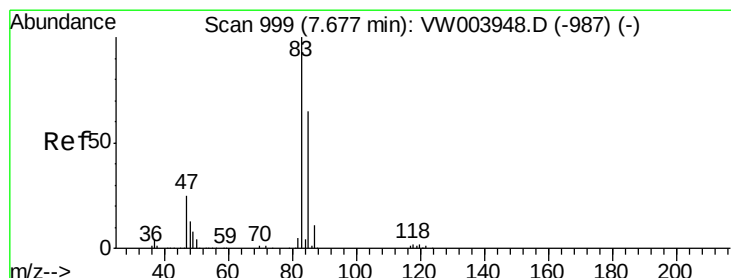
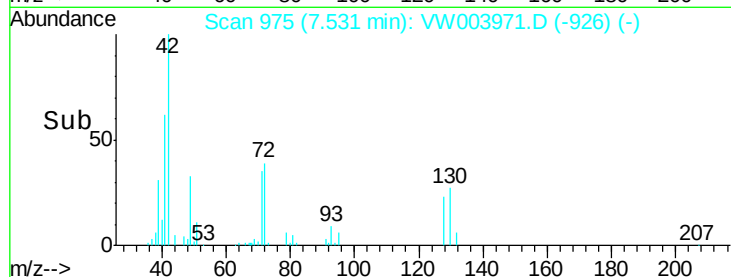
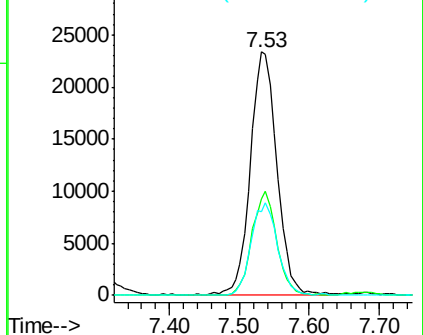
#29
Tetrahydrofuran
Concen: 116.942 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 62076
Ion Ratio Lower Upper
42 100
72 39.6 32.6 48.8
71 37.4 30.5 45.7

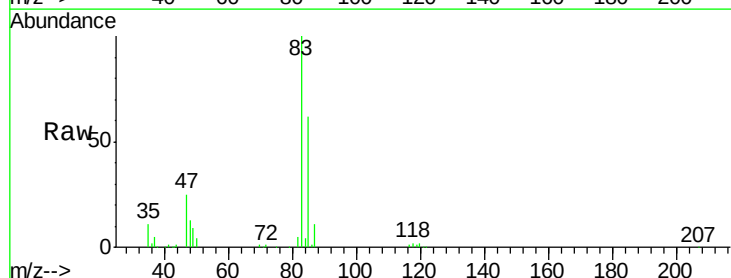


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

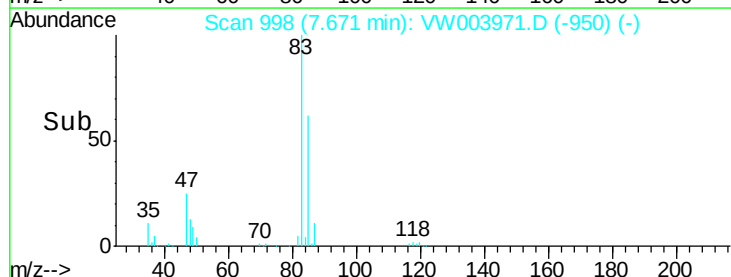
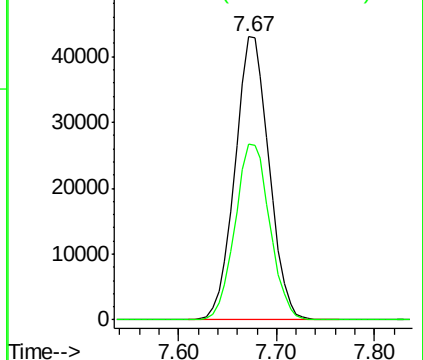


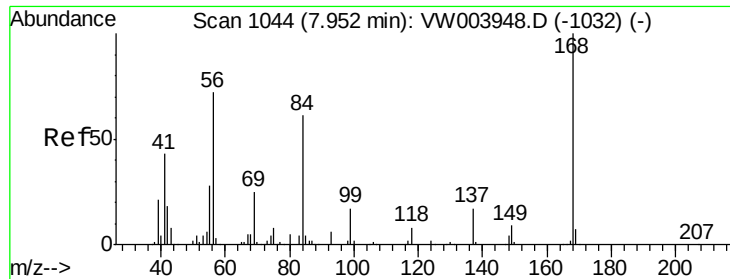
#30
Chloroform
Concen: 22.348 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

Tgt Ion: 83 Resp: 103671
Ion Ratio Lower Upper
83 100
85 62.1 52.2 78.4



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

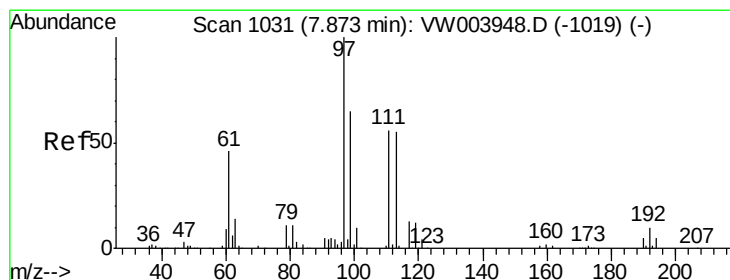
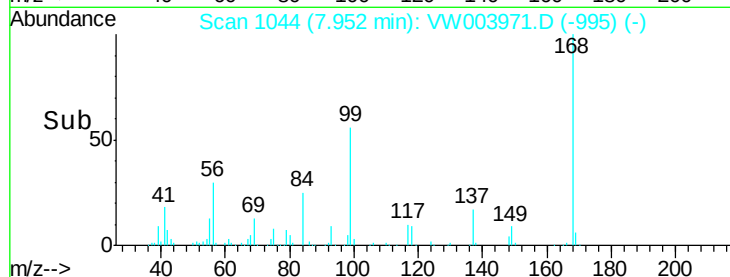
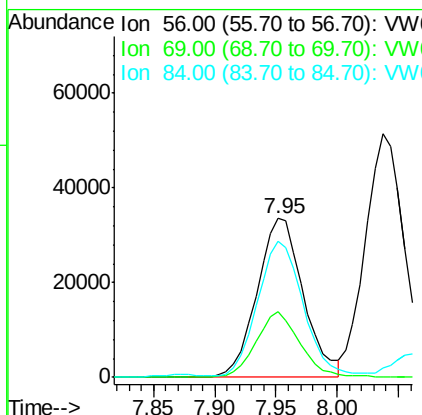
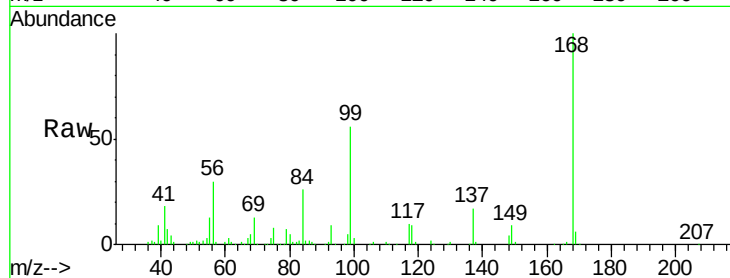




#31
Cyclohexane
Concen: 20.164 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

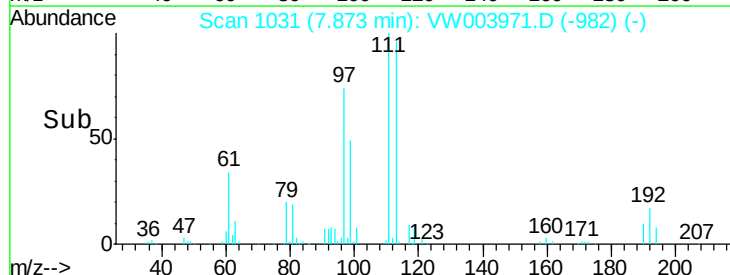
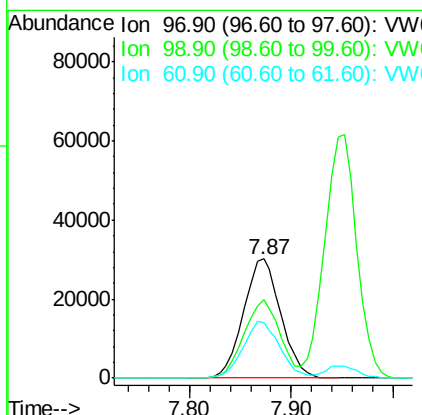
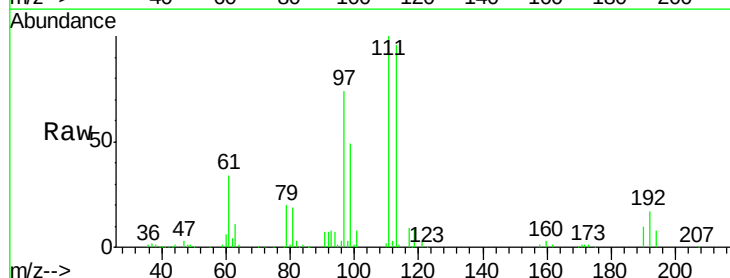
Instrument :
MSVOA_W
ClientSampleId :

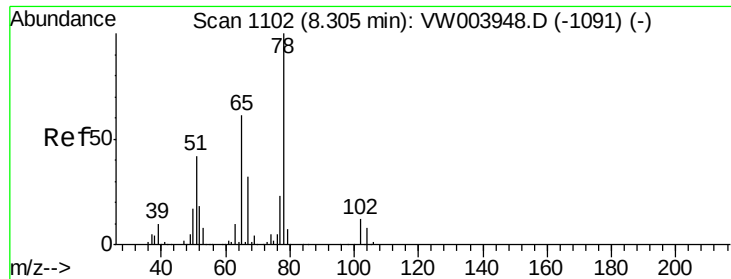
Tot Ion: 56 Resp: 88153
Ion Ratio Lower Upper
56 100
69 41.6 27.8 41.8
84 83.3 67.2 100.8



#32
1,1,1-Trichloroethane
Concen: 21.147 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

Tgt Ion: 97 Resp: 76605
Ion Ratio Lower Upper
97 100
99 64.1 51.3 76.9
61 46.6 36.8 55.2

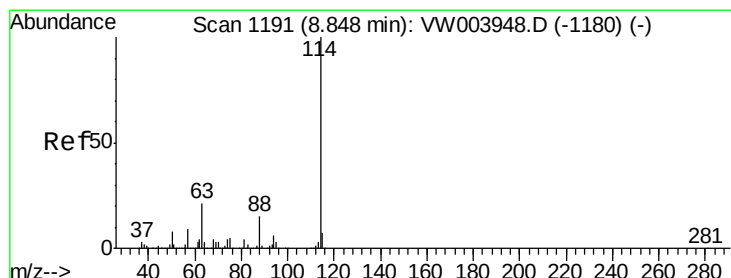
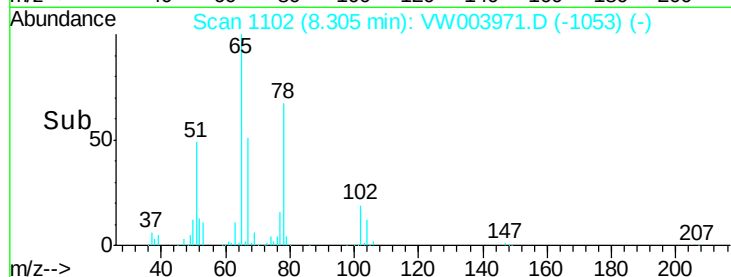
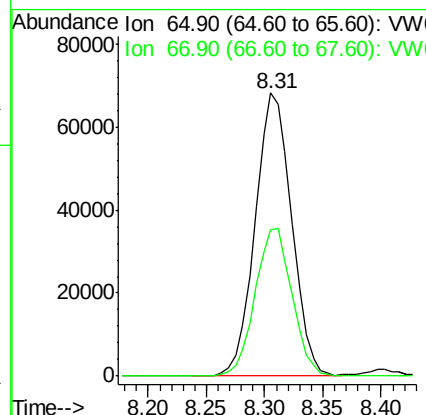
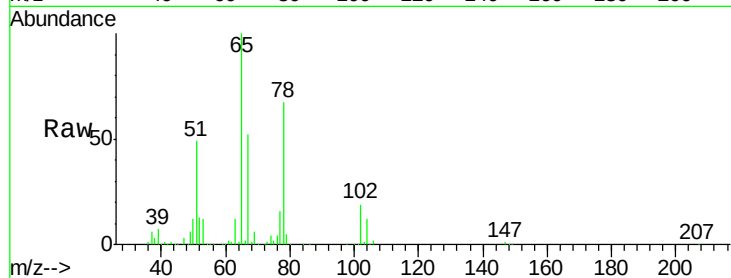




#33
 1,2-Dichloroethane-d4
 Concen: 56.221 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW003971.D
 Acq: 17 Jul 2018 01:48

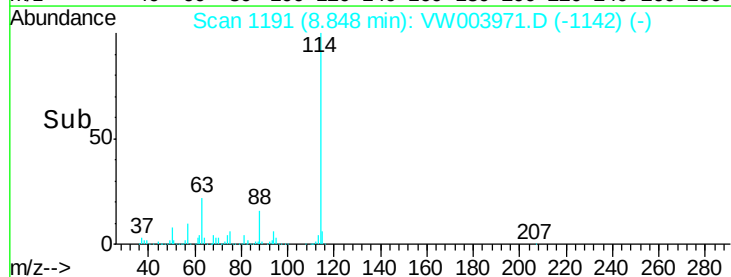
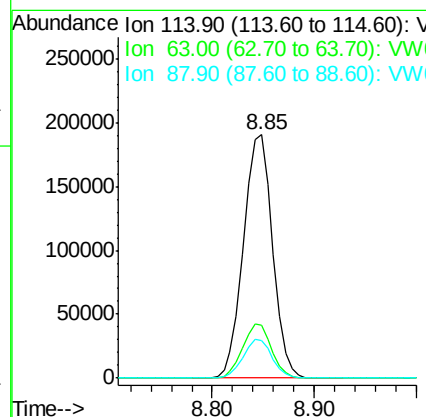
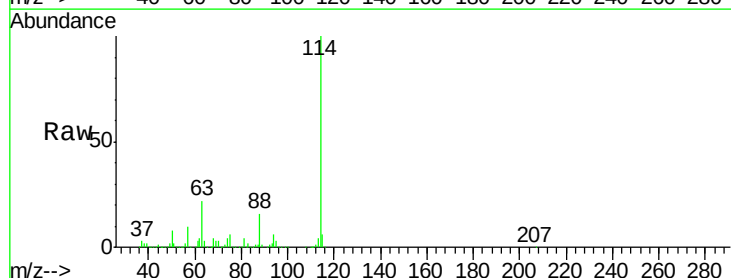
Instrument :
 MSVOA_W
 ClientSampleId :

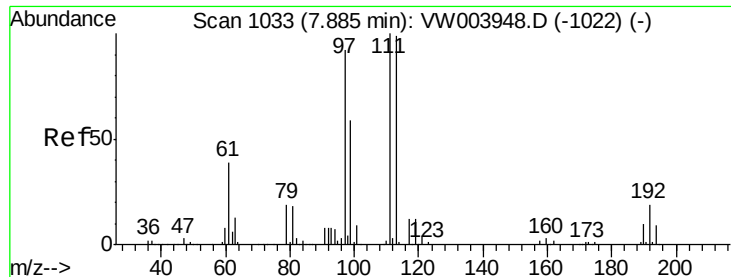
Tot Ion: 65 Resp: 148160
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003971.D
 Acq: 17 Jul 2018 01:48

Tgt Ion: 114 Resp: 377252
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.8
 88 15.6 0.0 30.4

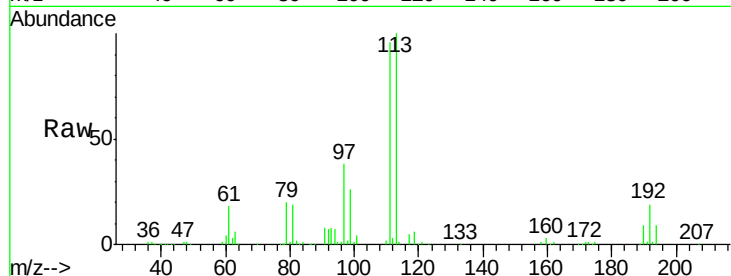




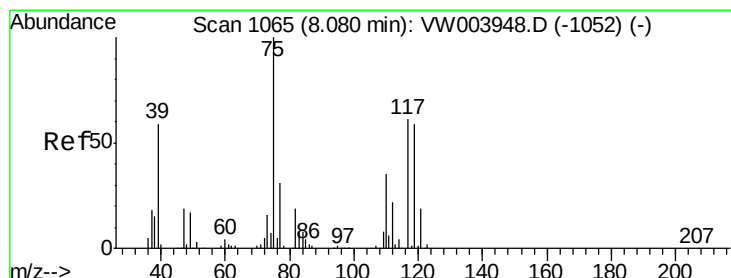
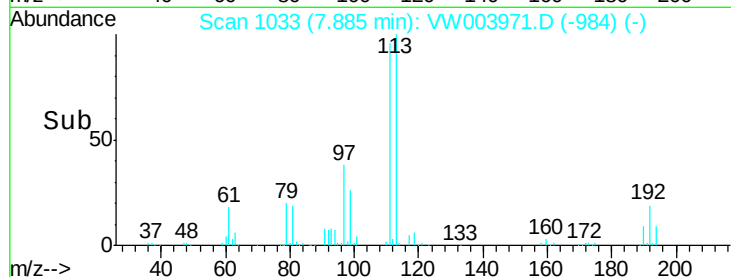
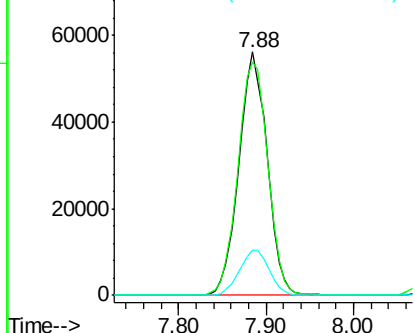
#35
Dibromofluoromethane
Concen: 52.278 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:113 Resp: 126541
Ion Ratio Lower Upper
113 100
111 101.8 81.3 121.9
192 19.7 15.8 23.6

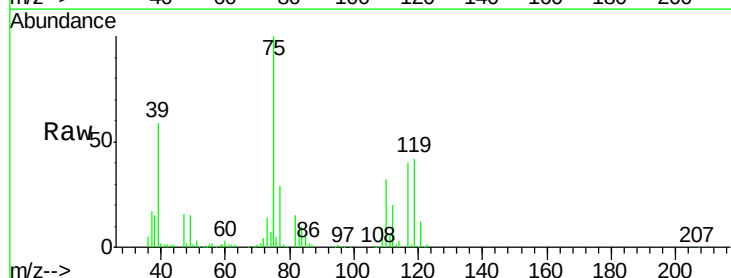


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

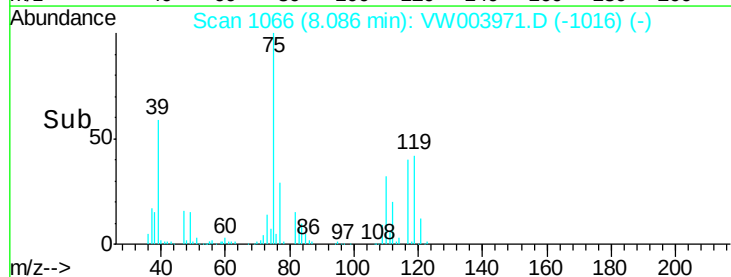
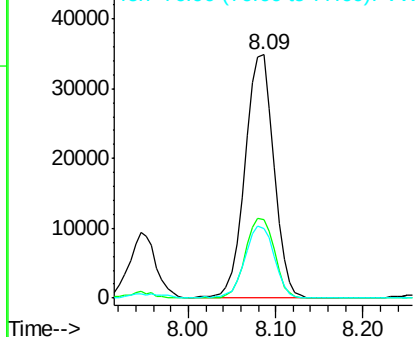


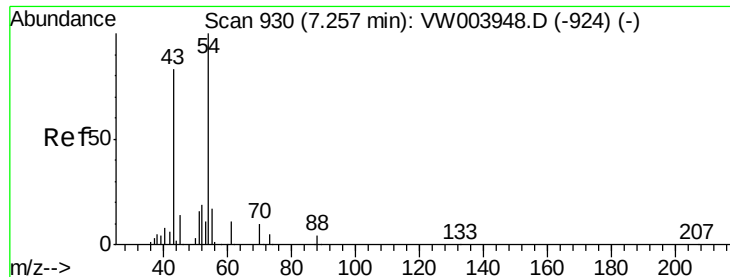
#36
1,1-Dichloropropene
Concen: 20.613 ug/l
RT: 8.09 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

Tgt Ion: 75 Resp: 80005
Ion Ratio Lower Upper
75 100
110 33.2 17.0 51.0
77 30.6 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

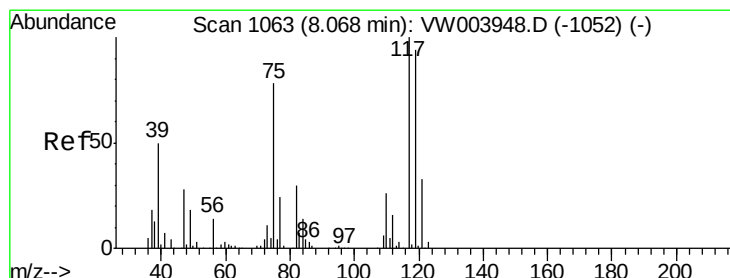
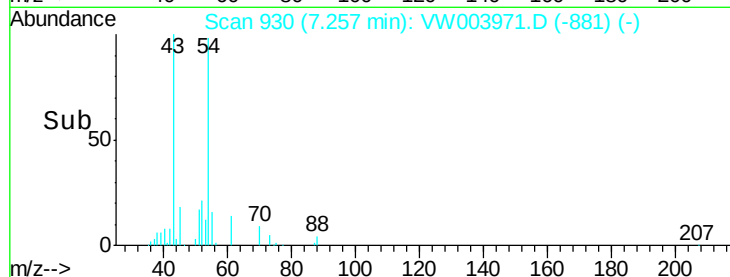
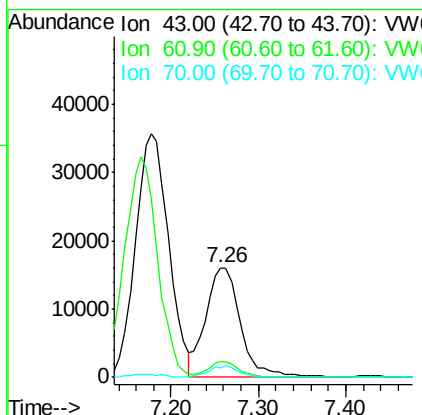
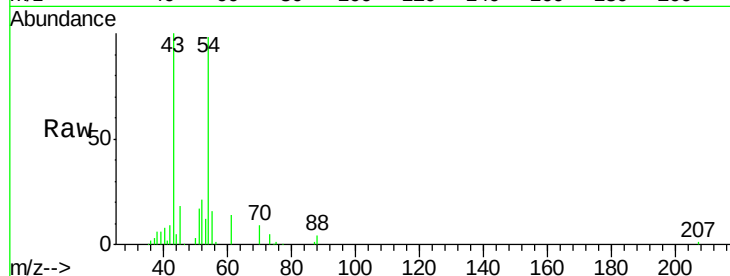




#37
Ethyl Acetate
Concen: 23.380 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

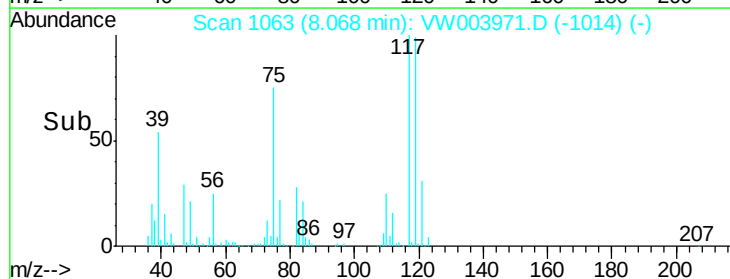
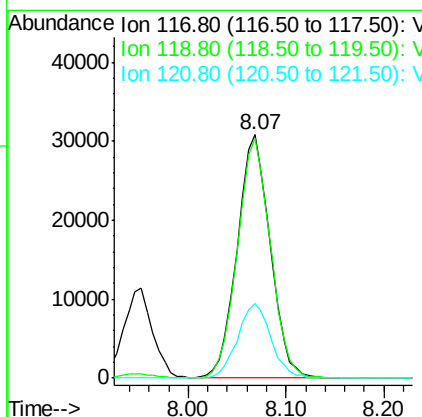
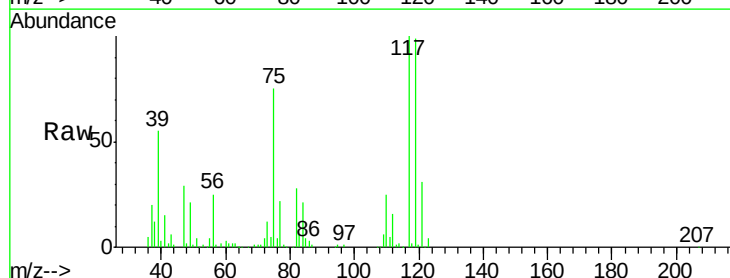
Instrument :
MSVOA_W
ClientSampled :

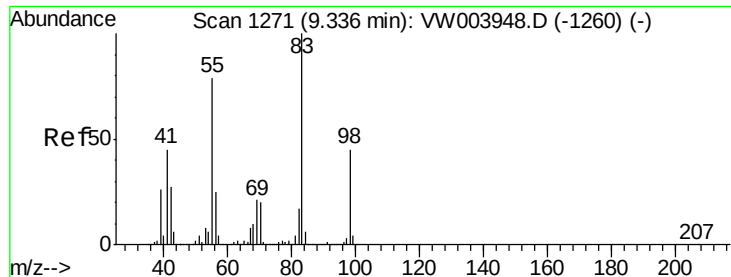
Tot Ion: 43 Resp: 43771
Ion Ratio Lower Upper
43 100
61 13.0 10.7 16.1
70 9.2 7.7 11.5



#38
Carbon Tetrachloride
Concen: 19.974 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

Tgt Ion: 117 Resp: 72439
Ion Ratio Lower Upper
117 100
119 98.6 75.3 112.9
121 30.9 26.0 39.0

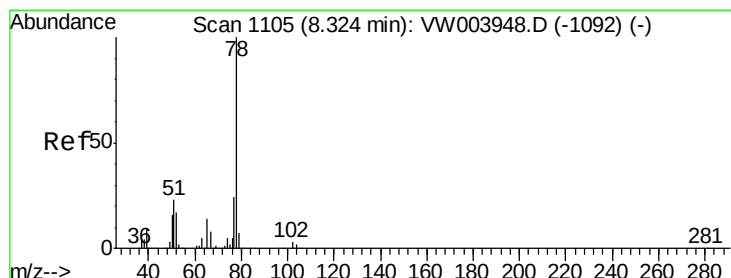
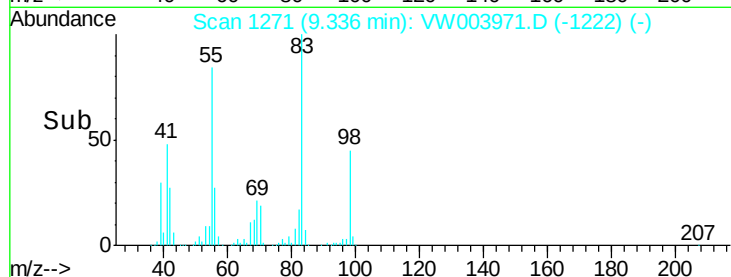
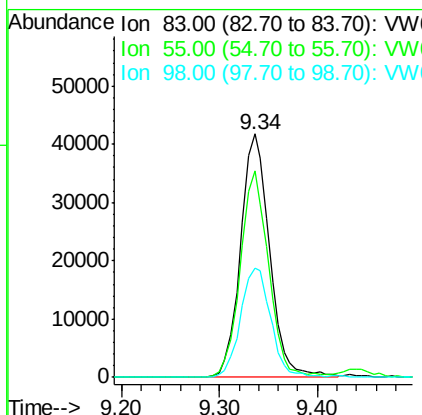
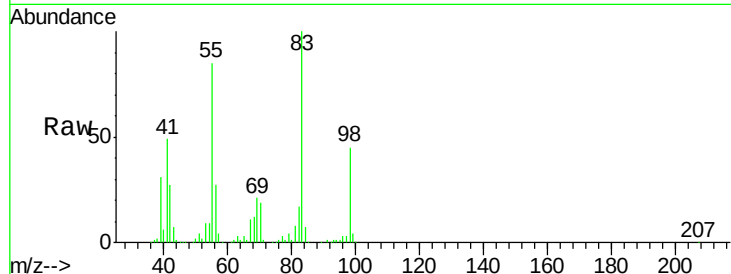




#39
Methylvlcyclohexane
Concen: 18.978 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

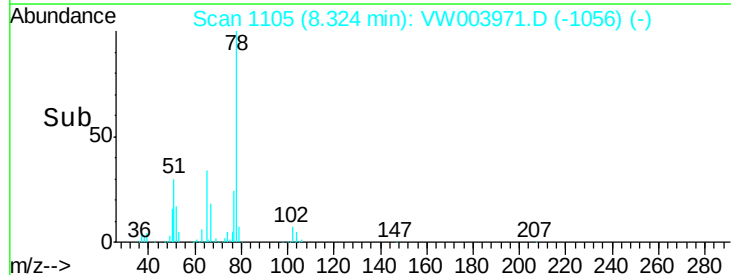
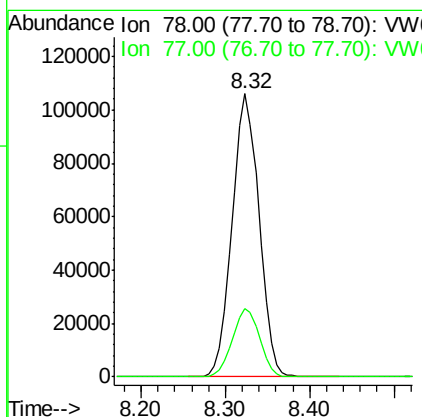
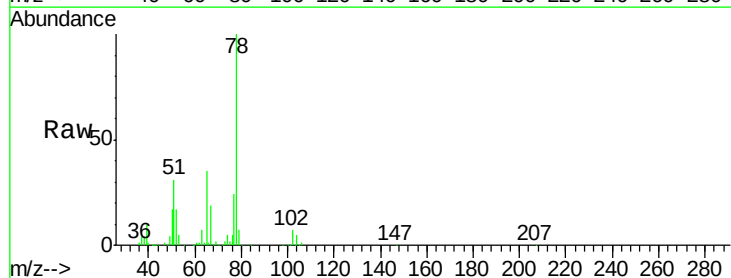
Instrument :
MSVOA_W
ClientSampleId :

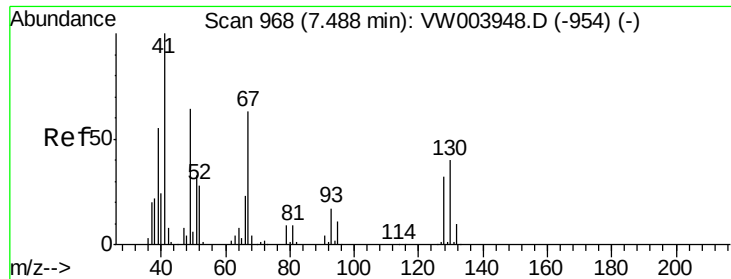
Tot Ion: 83 Resp: 86267
Ion Ratio Lower Upper
83 100
55 84.6 62.8 94.2
98 45.1 36.2 54.4



#40
Benzene
Concen: 21.276 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

Tgt Ion: 78 Resp: 229104
Ion Ratio Lower Upper
78 100
77 24.4 19.5 29.3

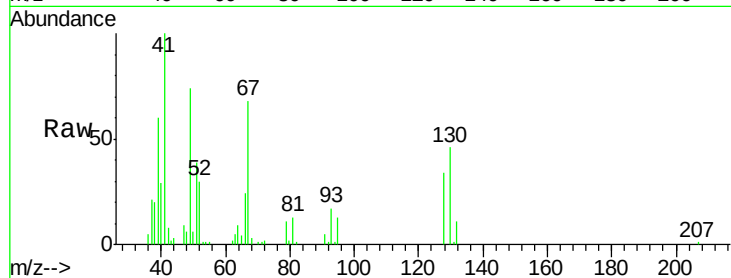




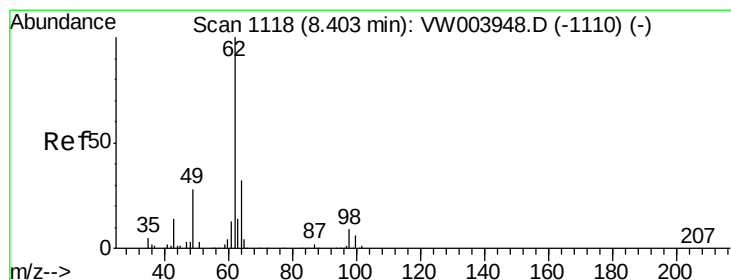
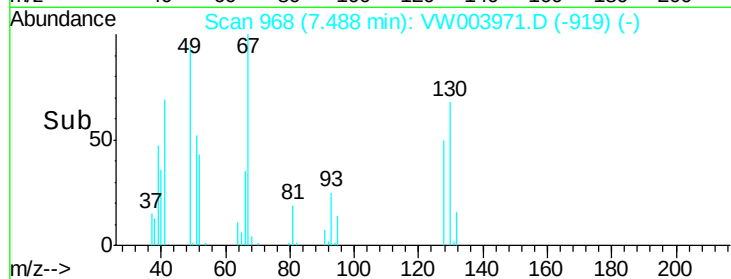
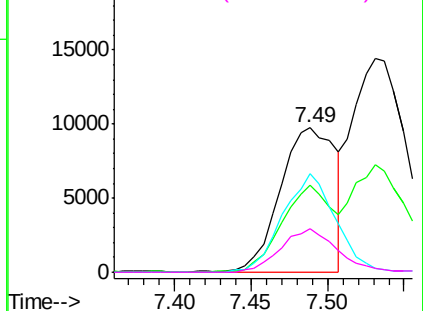
#41
Methacrylonitrile
Concen: 23.630 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	24512
Ion	Ratio	Lower	Upper
41	100		
39	55.3	50.0	75.0
67	65.2	60.8	91.2
52	30.7	26.2	39.4

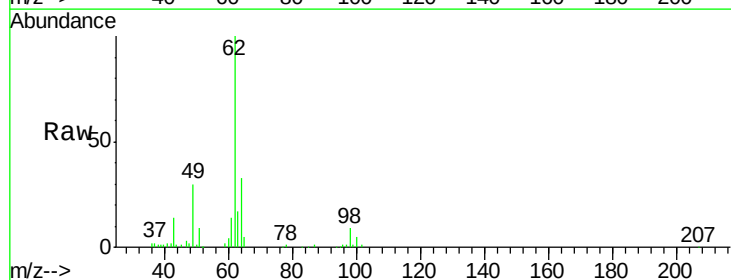


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

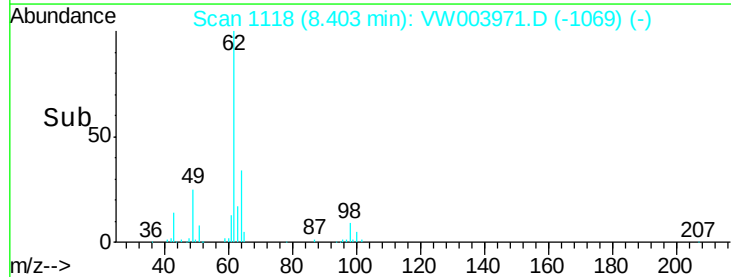
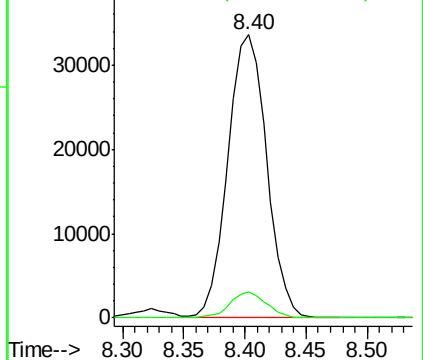


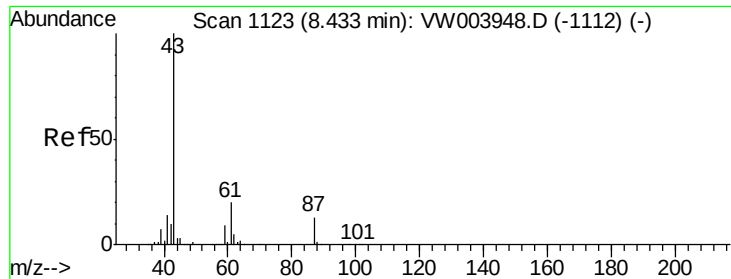
#42
1,2-Dichloroethane
Concen: 22.529 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

Tgt Ion:	62	Resp:	74012
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.4



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





#43

Isopropyl Acetate

Concen: 22.149 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

Instrument :

MSVOA_W

ClientSampled :

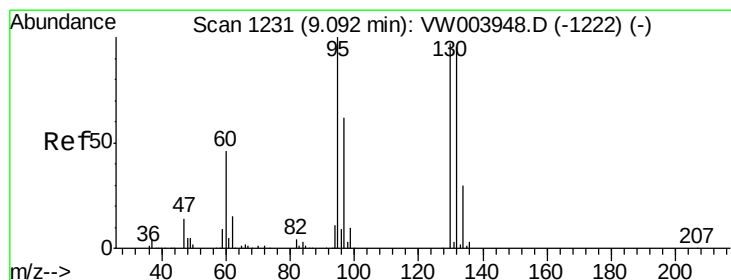
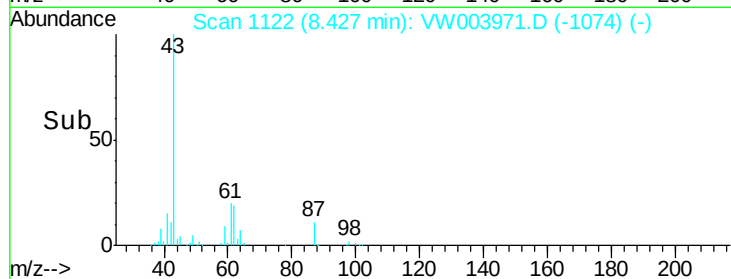
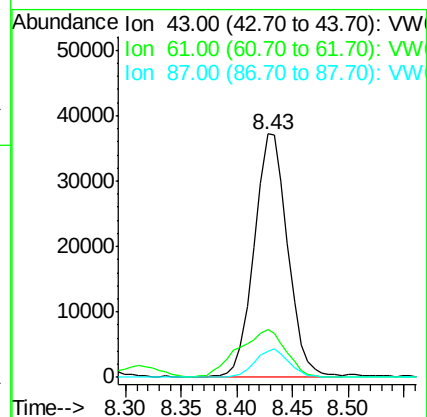
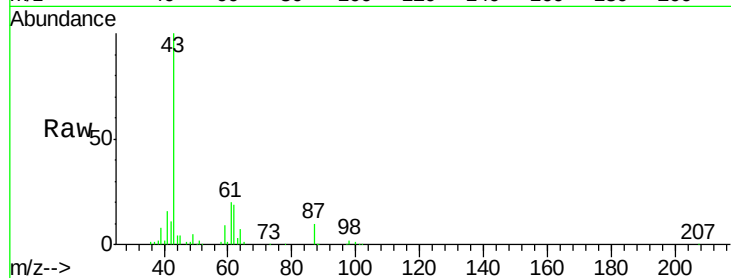
Tot Ion: 43 Resp: 77556

Ion Ratio Lower Upper

43 100

61 28.2 23.0 34.6

87 11.7 9.9 14.9



#44

Trichloroethene

Concen: 20.370 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW003971.D

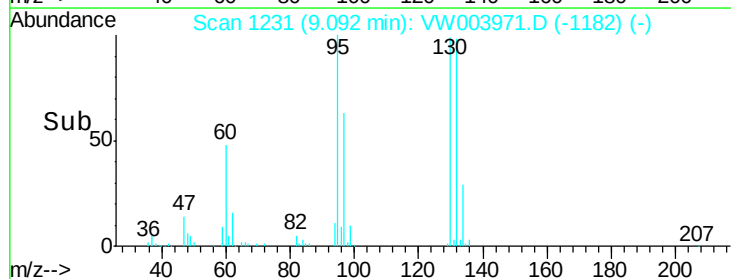
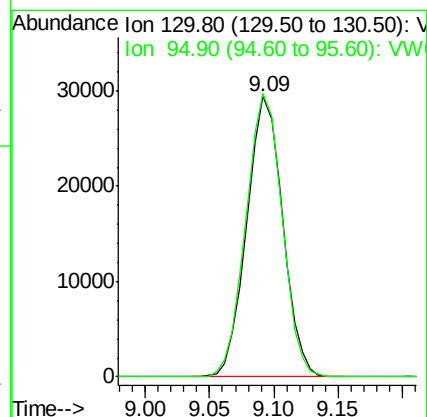
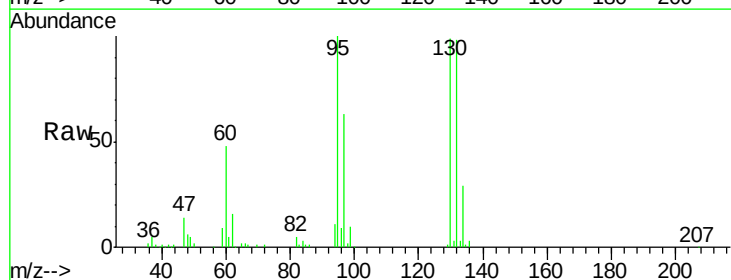
Acq: 17 Jul 2018 01:48

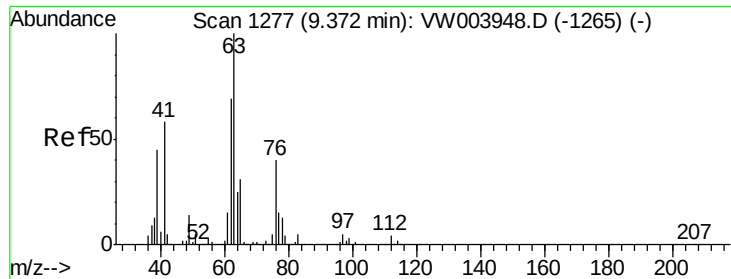
Tgt Ion: 130 Resp: 56858

Ion Ratio Lower Upper

130 100

95 100.9 0.0 206.8

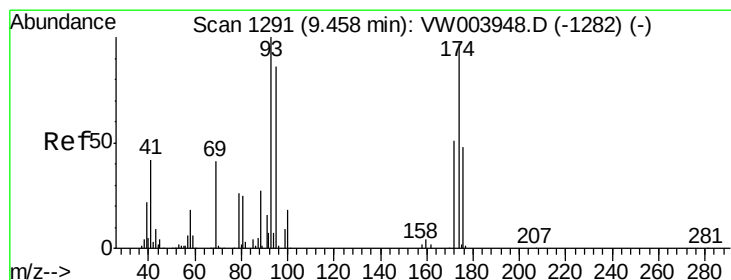
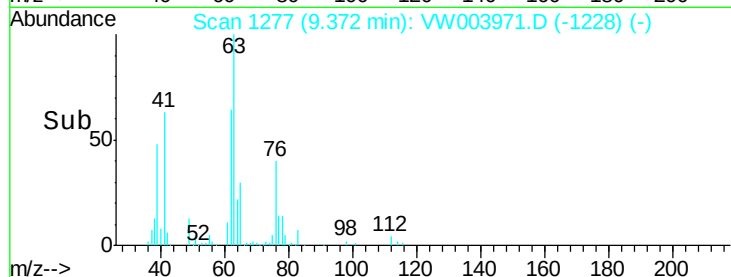
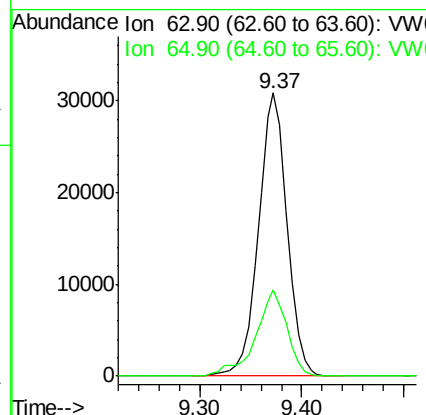
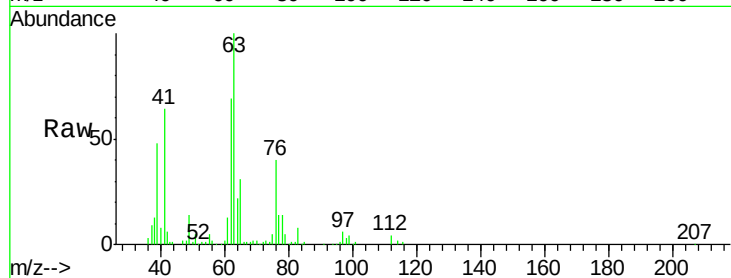




#45
 1,2-Dichloropropane
 Concen: 21.901 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003971.D
 Acq: 17 Jul 2018 01:48

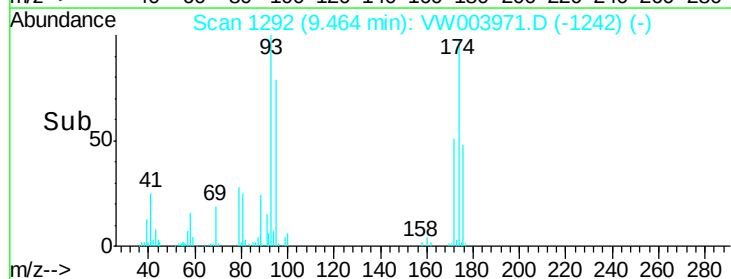
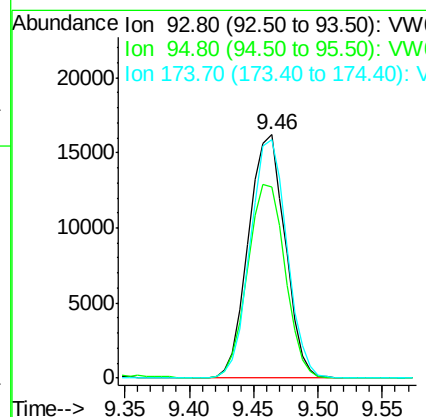
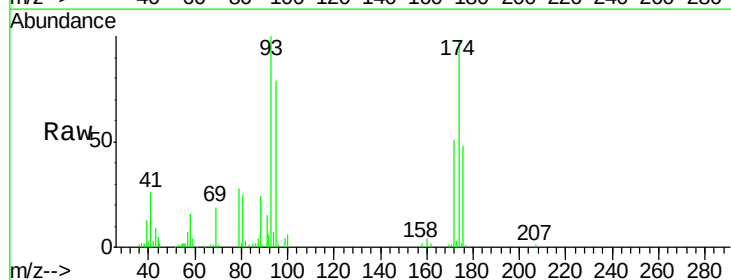
Instrument :
 MSVOA_W
 ClientSampleId :

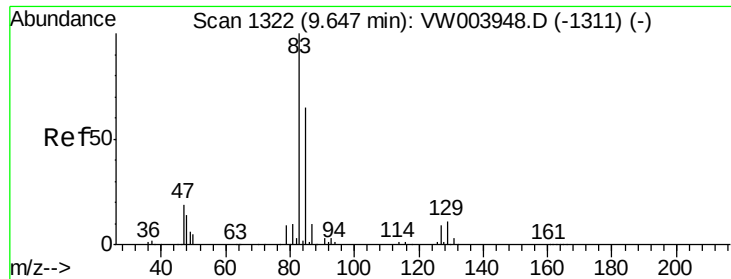
Tot Ion: 63 Resp: 60193
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.8 37.2



#46
 Dibromomethane
 Concen: 22.382 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VW003971.D
 Acq: 17 Jul 2018 01:48

Tgt Ion: 93 Resp: 31921
 Ion Ratio Lower Upper
 93 100
 95 81.4 66.9 100.3
 174 97.8 80.2 120.2

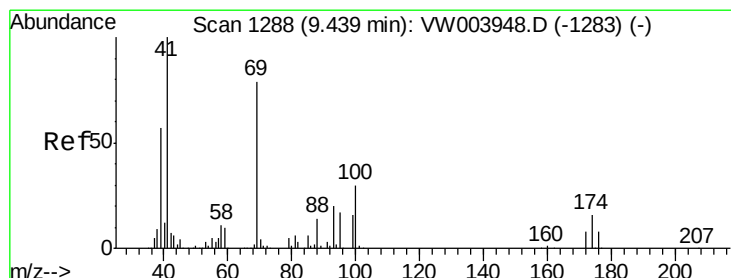
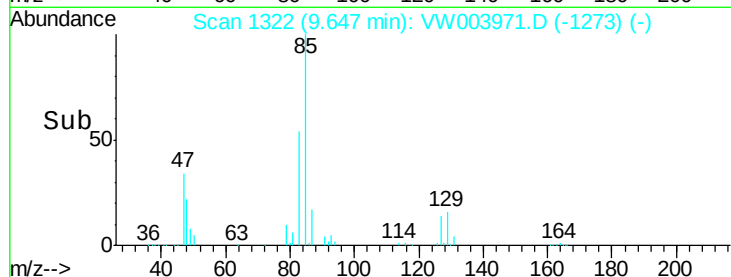
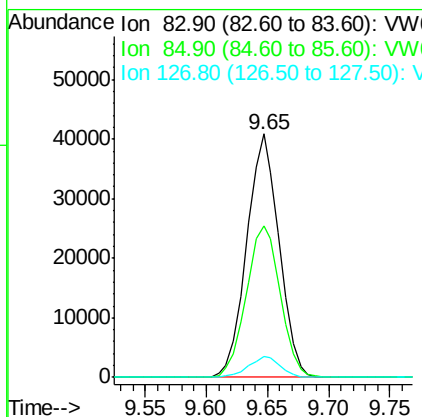
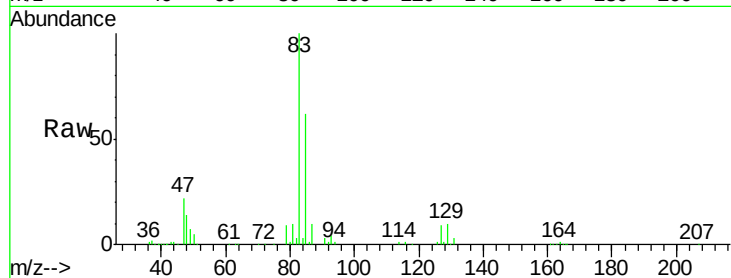




#47
 Bromodichloromethane
 Concen: 21.351 ug/l
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW003971.D
 Acq: 17 Jul 2018 01:48

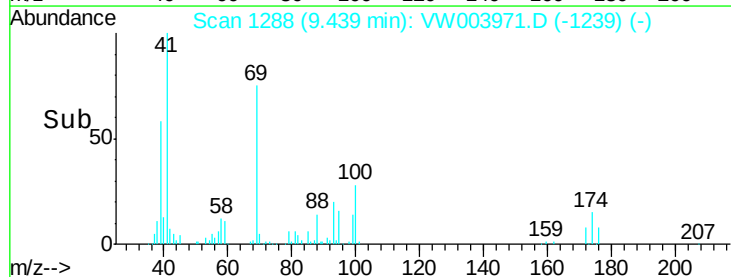
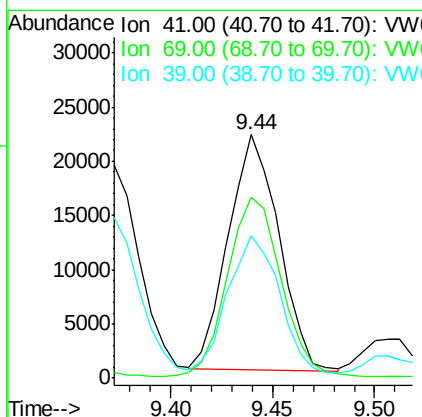
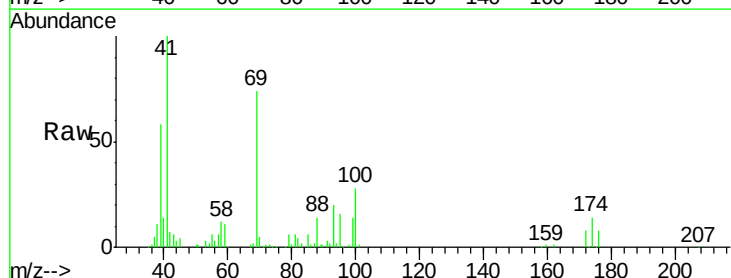
Instrument :
 MSVOA_W
 ClientSampled :

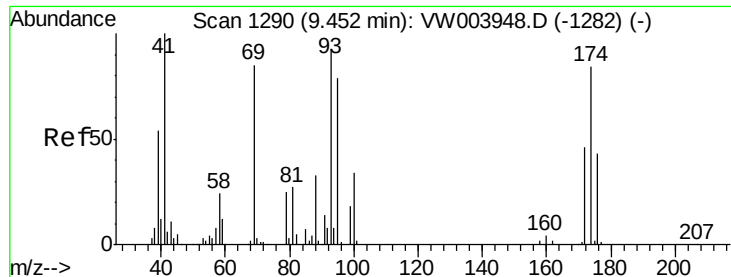
Tot Ion: 83 Resp: 75067
 Ion Ratio Lower Upper
 83 100
 85 62.4 52.2 78.2
 127 8.5 7.0 10.4



#48
 Methyl methacrylate
 Concen: 22.131 ug/l
 RT: 9.44 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VW003971.D
 Acq: 17 Jul 2018 01:48

Tgt Ion: 41 Resp: 37477
 Ion Ratio Lower Upper
 41 100
 69 83.8 67.0 100.6
 39 63.4 48.8 73.2





#49

1,4-Dioxane

Concen: 486.216 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

Instrument :
MSVOA_W
ClientSampleId :

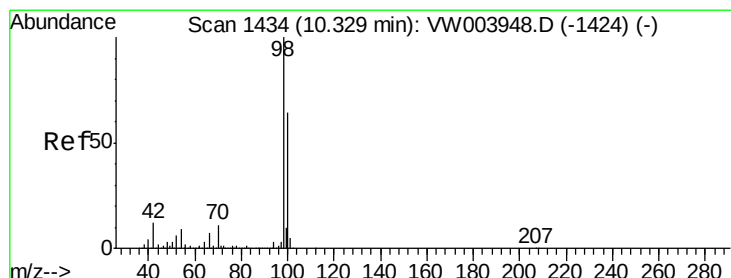
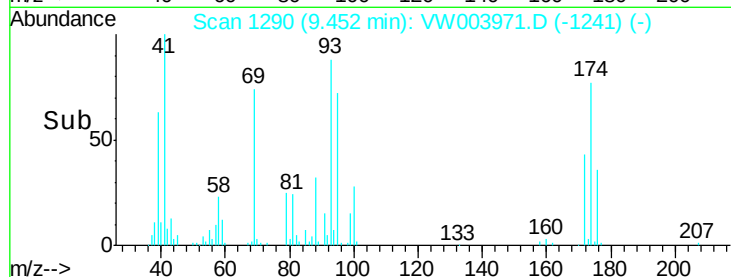
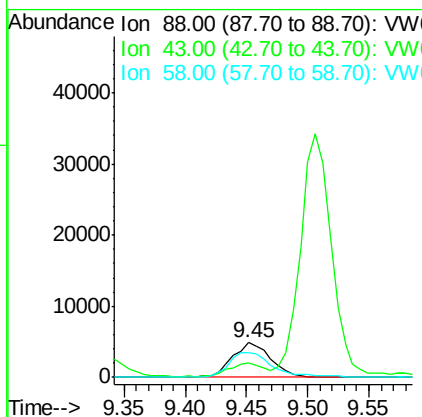
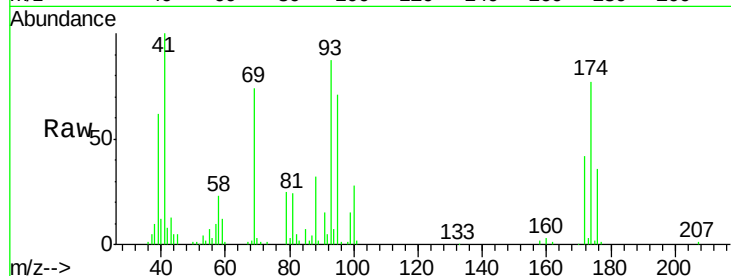
Tot Ion: 88 Resp: 10659

Ion Ratio Lower Upper

88 100

43 37.2 27.3 40.9

58 81.9 61.1 91.7



#50

Toluene-d8

Concen: 52.979 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW003971.D

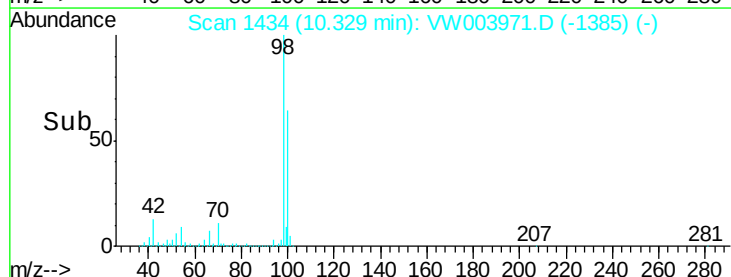
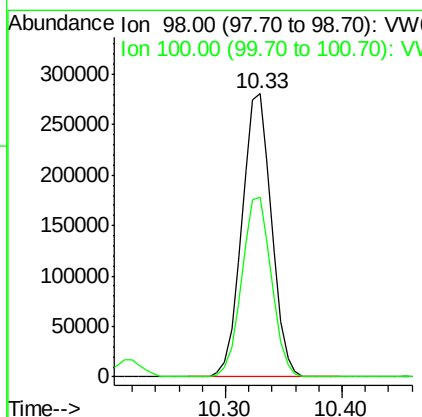
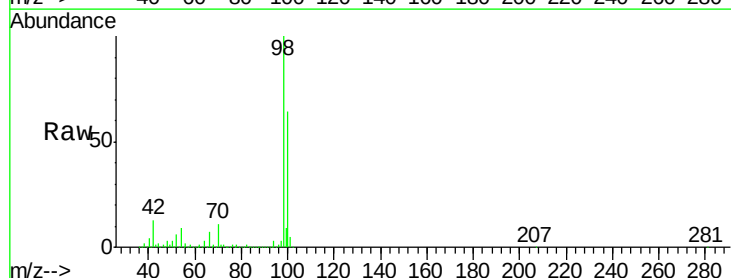
Acq: 17 Jul 2018 01:48

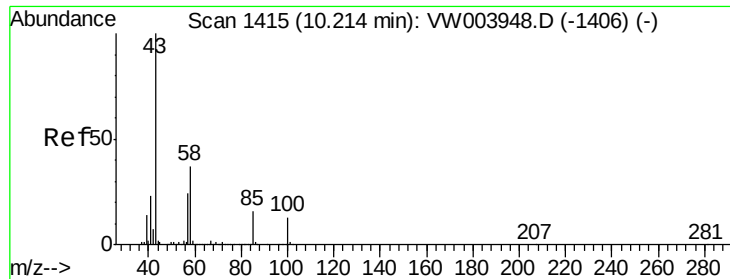
Tgt Ion: 98 Resp: 497595

Ion Ratio Lower Upper

98 100

100 63.7 51.2 76.8

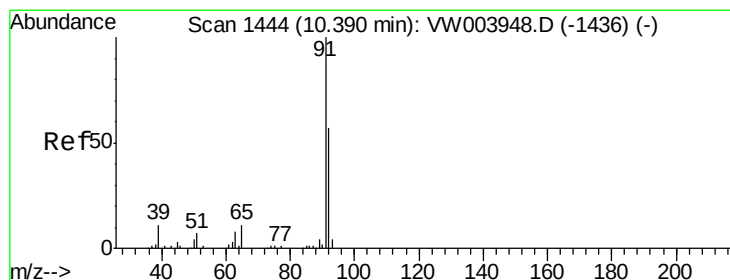
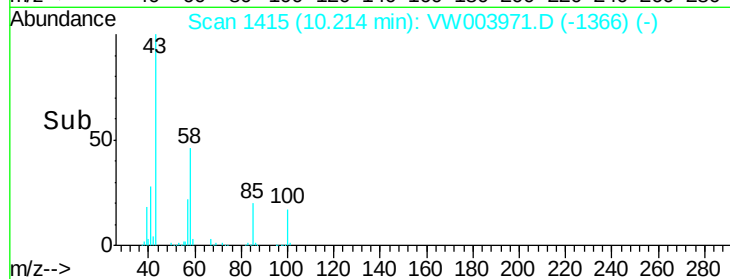
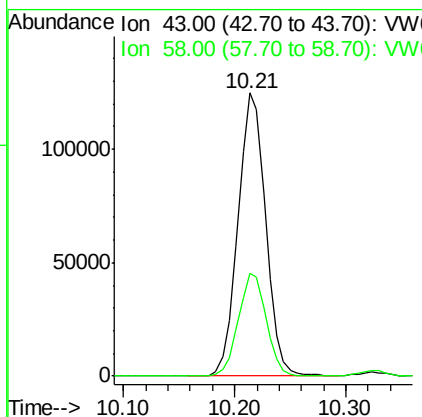
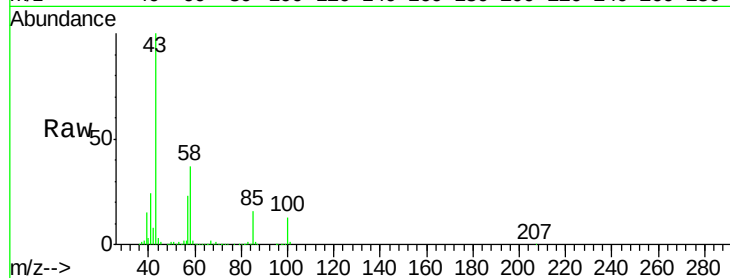




#51
 4-Methyl-2-Pentanone
 Concen: 115.080 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VW003971.D
 Acq: 17 Jul 2018 01:48

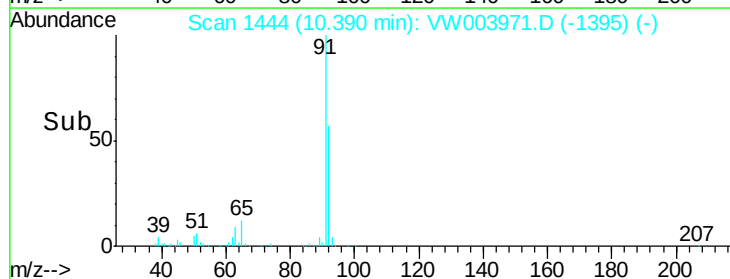
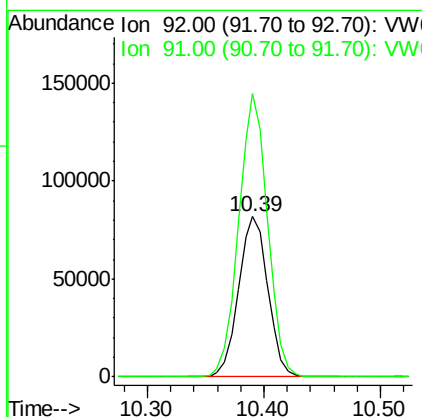
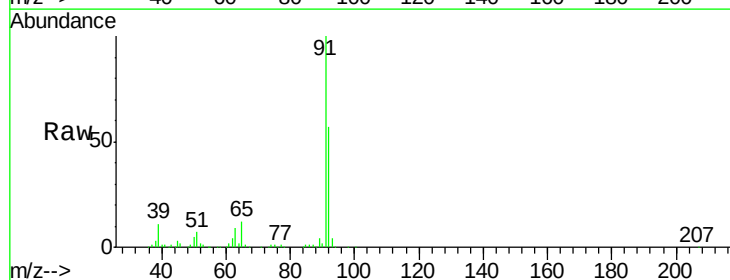
Instrument :
 MSVOA_W
 ClientSampled :

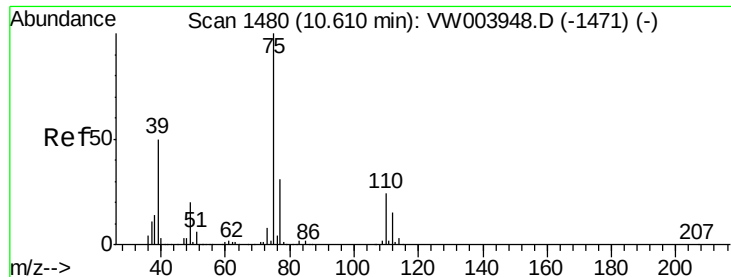
Tot Ion: 43 Resp: 214681
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.9 44.9



#52
 Toluene
 Concen: 21.464 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VW003971.D
 Acq: 17 Jul 2018 01:48

Tgt Ion: 92 Resp: 142928
 Ion Ratio Lower Upper
 92 100
 91 174.2 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 19.925 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

Instrument :

MSVOA_W

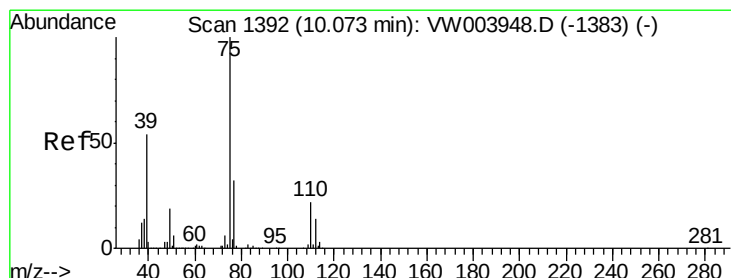
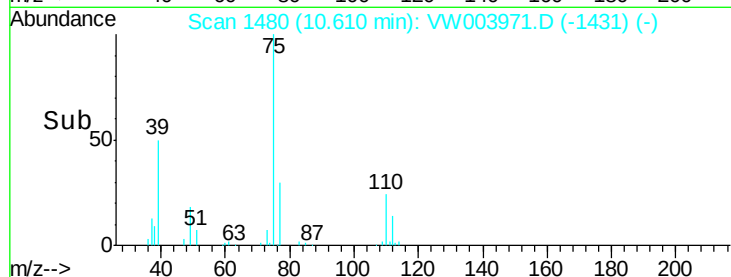
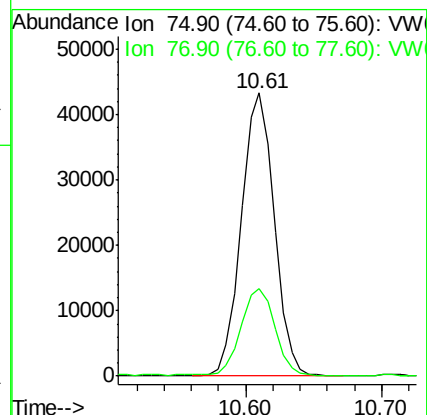
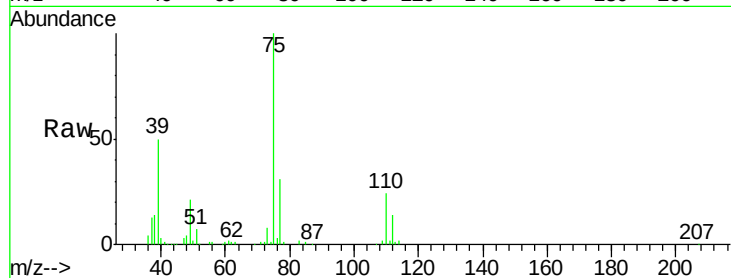
ClientSampleId :

Tot Ion: 75 Resp: 73254

Ion Ratio Lower Upper

75 100

77 30.7 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 19.857 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

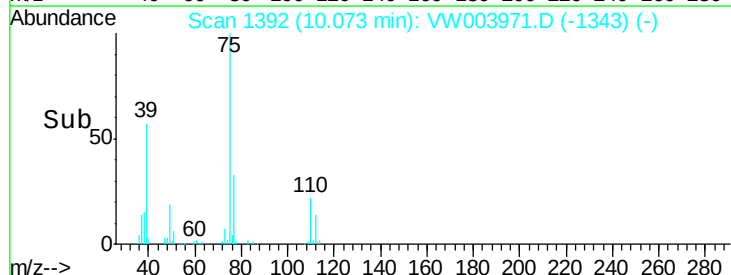
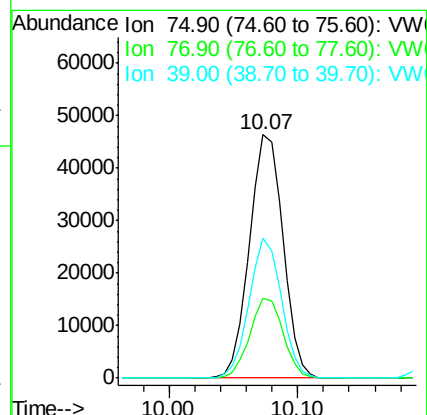
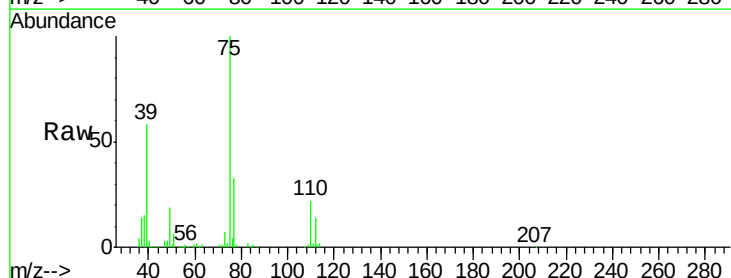
Tgt Ion: 75 Resp: 83514

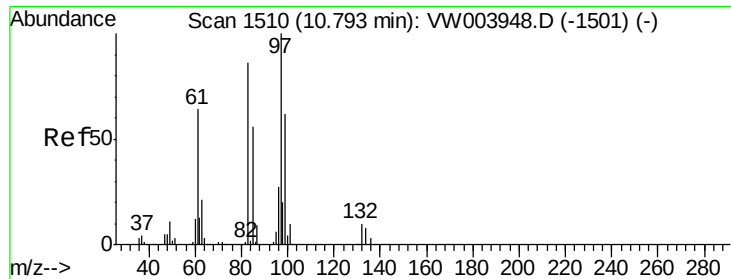
Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.2

39 57.4 43.0 64.6

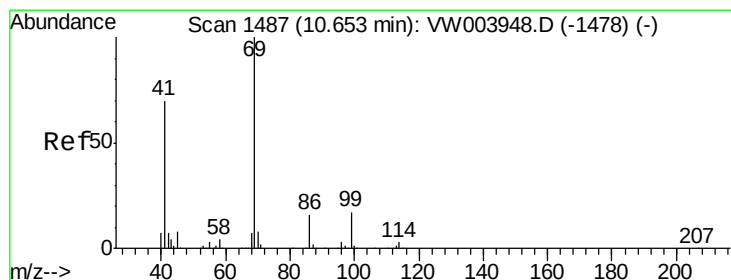
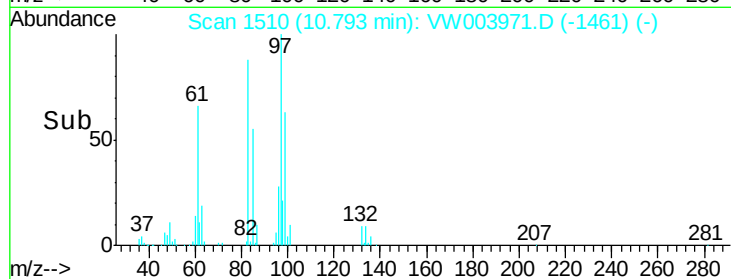
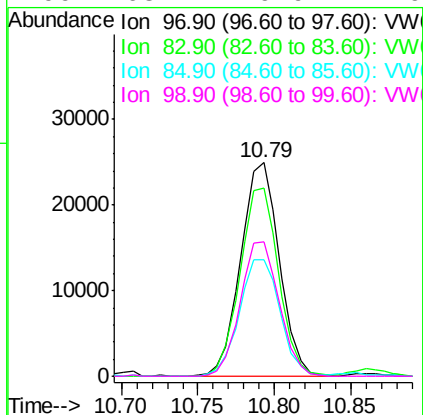
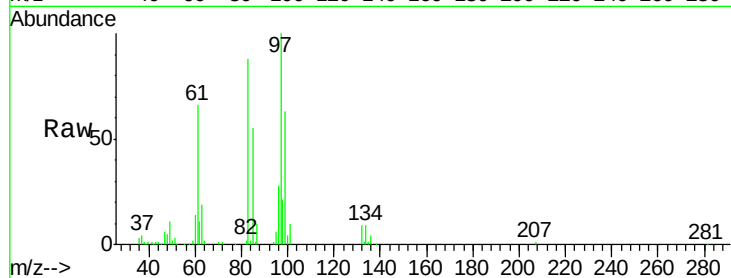




#55
 1,1,2-Trichloroethane
 Concen: 21.830 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW003971.D
 Acq: 17 Jul 2018 01:48

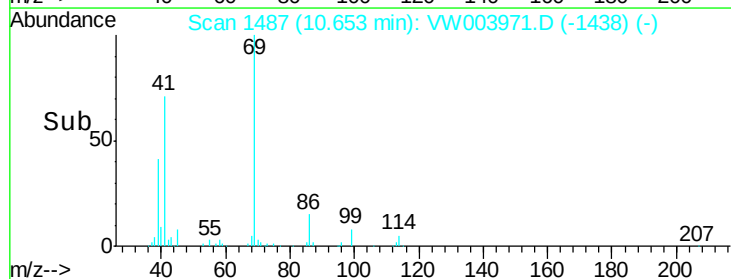
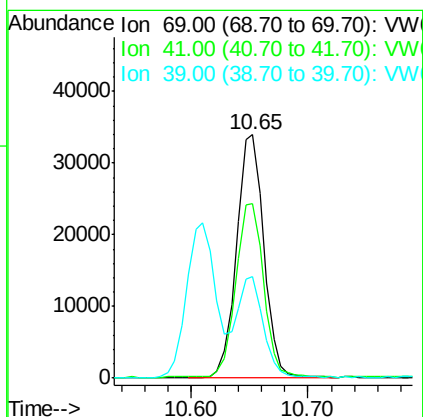
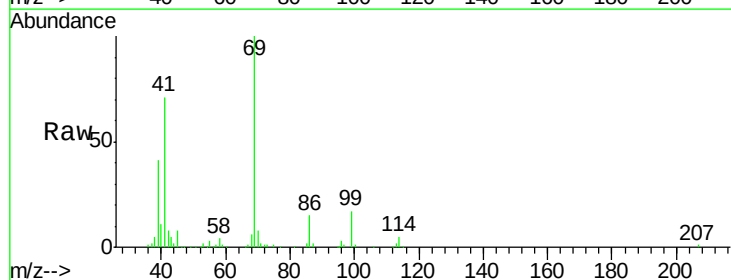
Instrument :
 MSVOA_W
 ClientSampleId :

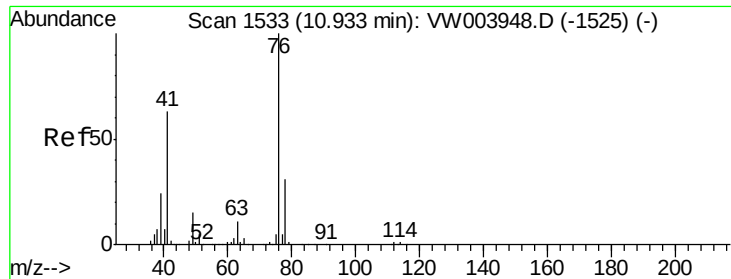
Tot Ion:	97	Resp:	43786
Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.0	103.4
85	54.8	45.0	67.6
99	63.2	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 21.278 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003971.D
 Acq: 17 Jul 2018 01:48

Tgt Ion:	69	Resp:	55887
Ion	Ratio	Lower	Upper
69	100		
41	73.2	56.5	84.7
39	41.1	30.2	45.4

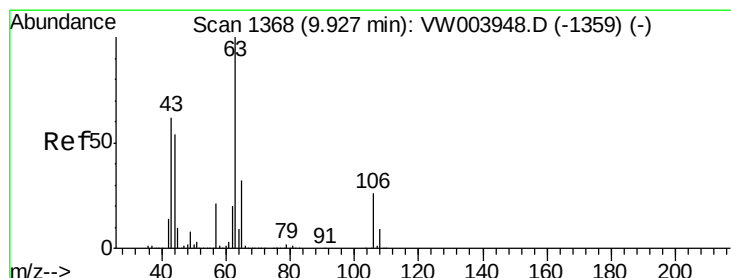
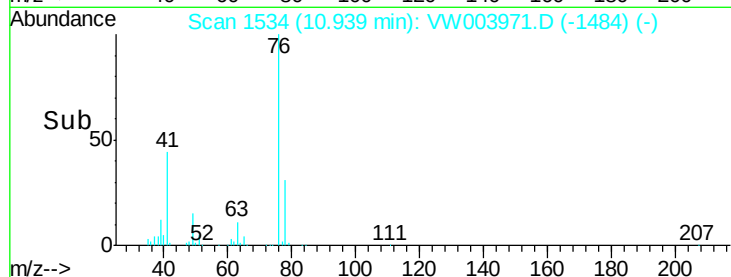
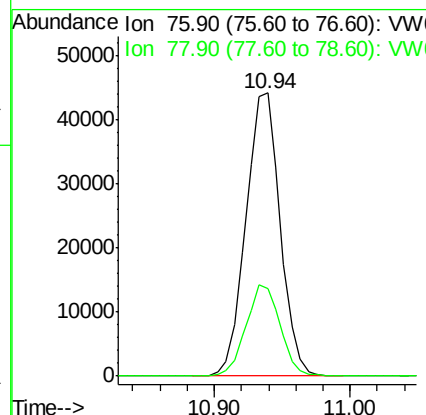
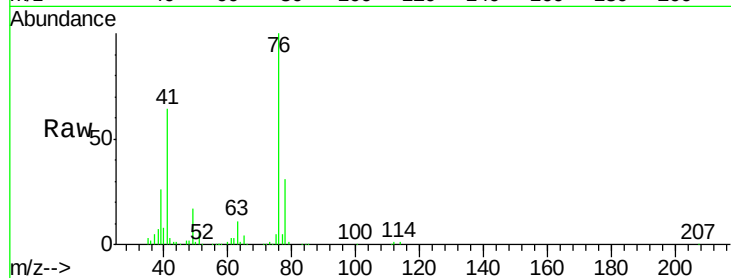




#57
 1,3-Dichloropropane
 Concen: 22.293 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW003971.D
 Acq: 17 Jul 2018 01:48

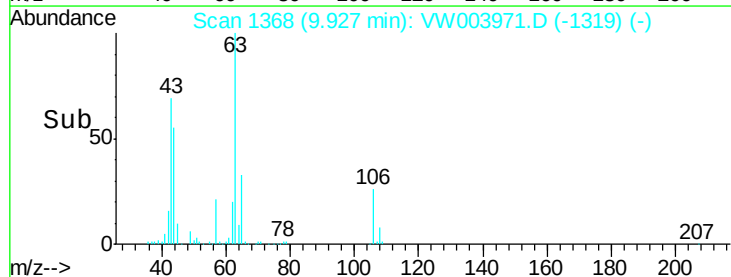
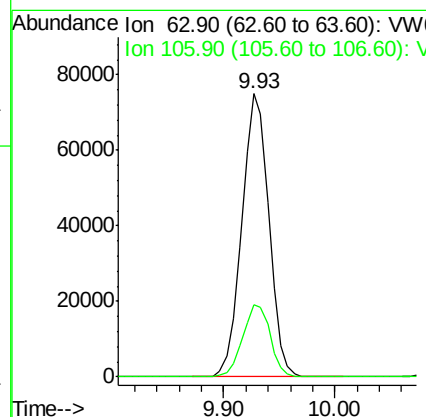
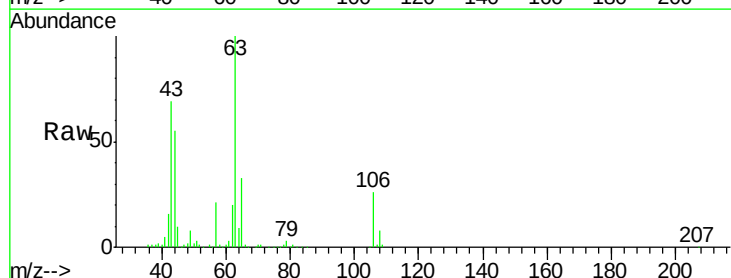
Instrument :
 MSVOA_W
 ClientSampleId :

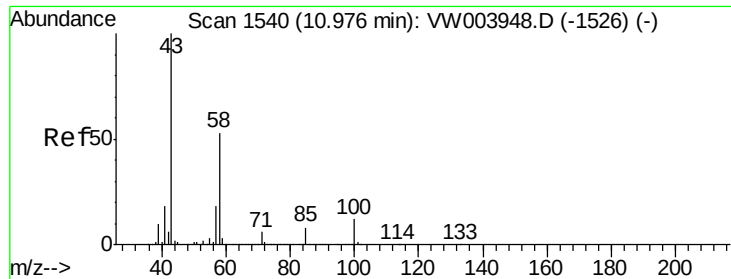
Tot Ion: 76 Resp: 77689
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.562 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW003971.D
 Acq: 17 Jul 2018 01:48

Tgt Ion: 63 Resp: 125610
 Ion Ratio Lower Upper
 63 100
 106 25.9 21.2 31.8

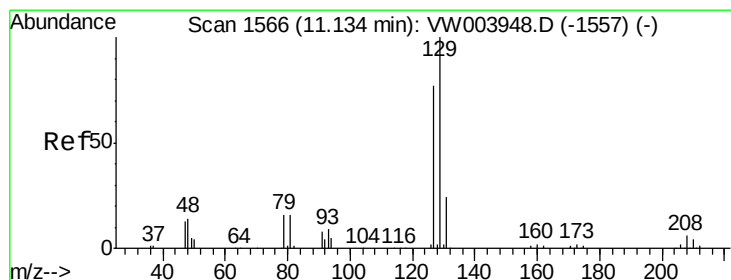
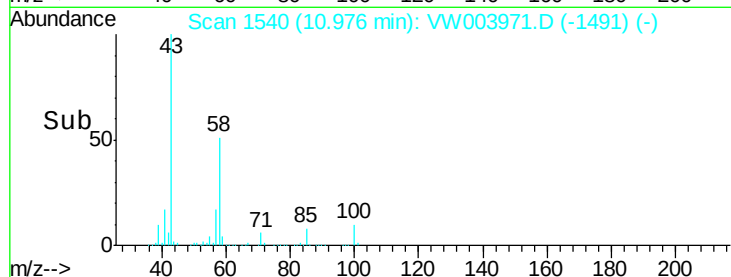
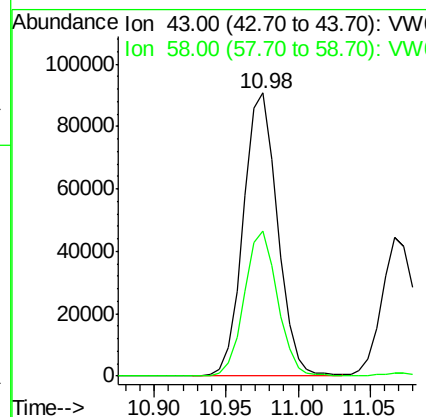
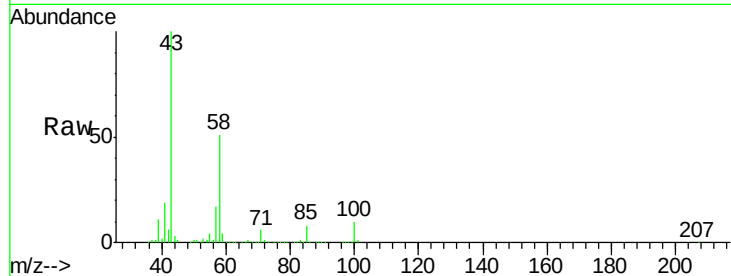




#59
2-Hexanone
Concen: 113.695 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

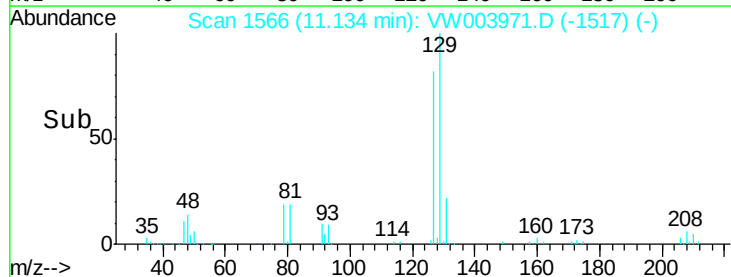
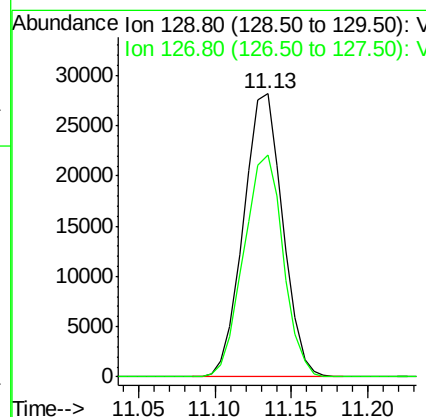
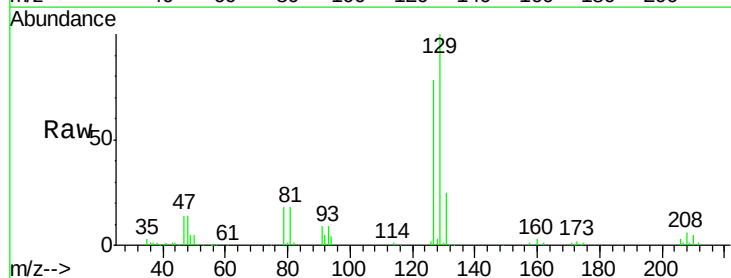
Instrument :
MSVOA_W
ClientSampleId :

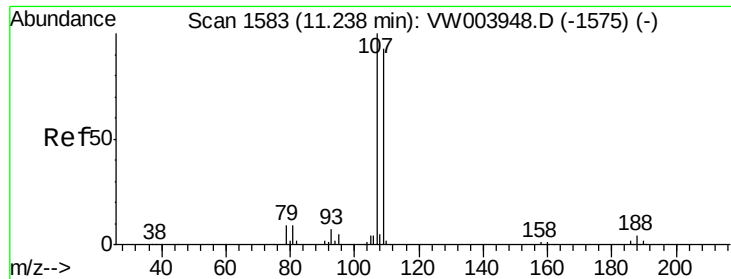
Tot Ion: 43 Resp: 149488
Ion Ratio Lower Upper
43 100
58 49.7 26.0 78.0



#60
Dibromochloromethane
Concen: 21.480 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

Tgt Ion: 129 Resp: 50175
Ion Ratio Lower Upper
129 100
127 79.0 39.1 117.3

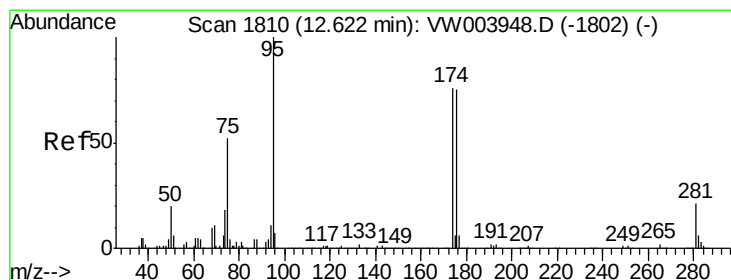
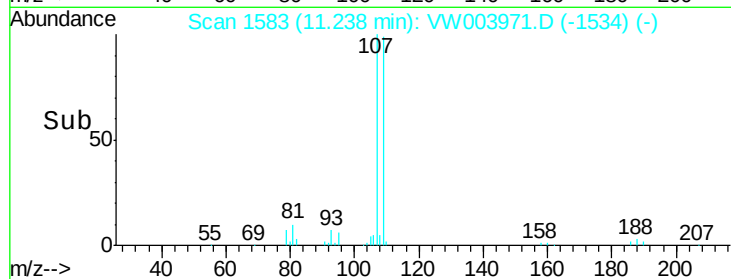
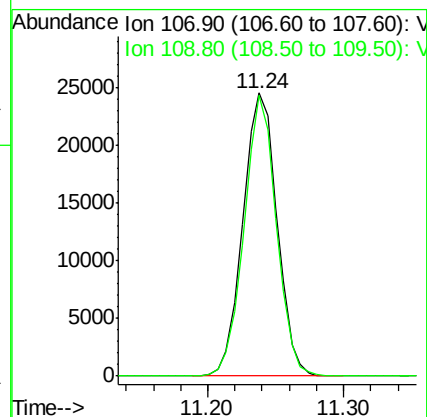
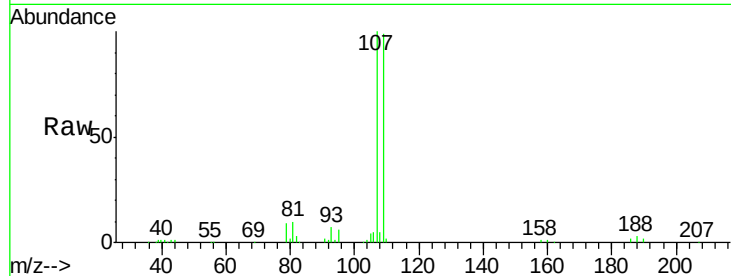




#61
 1,2-Dibromoethane
 Concen: 22.571 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW003971.D
 Acq: 17 Jul 2018 01:48

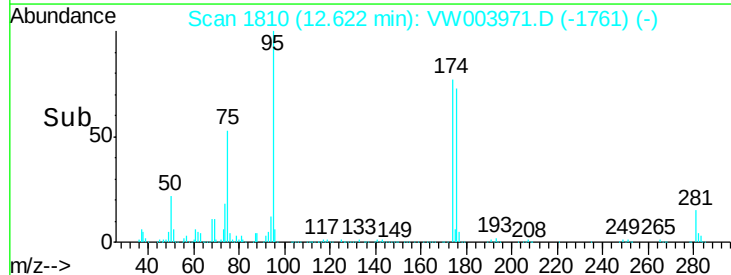
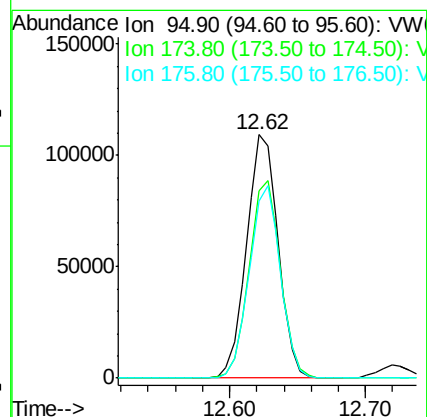
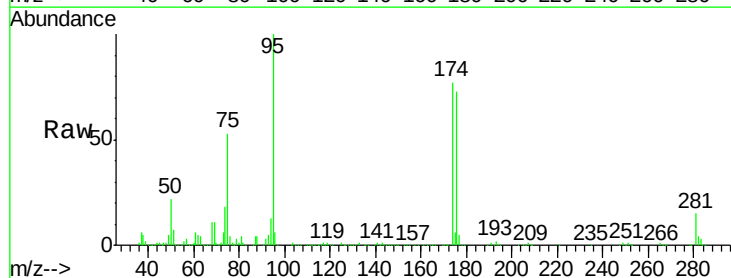
Instrument :
 MSVOA_W
 ClientSampled :

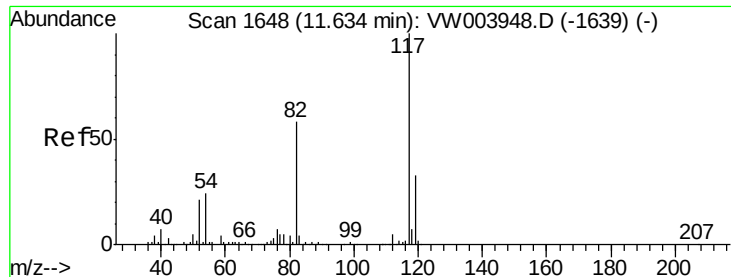
Tot Ion:107 Resp: 43078
 Ion Ratio Lower Upper
 107 100
 109 93.5 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 52.505 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW003971.D
 Acq: 17 Jul 2018 01:48

Tgt Ion: 95 Resp: 177828
 Ion Ratio Lower Upper
 95 100
 174 80.7 0.0 160.2
 176 78.1 0.0 155.8

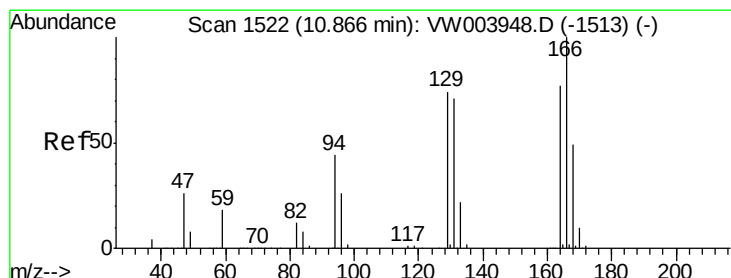
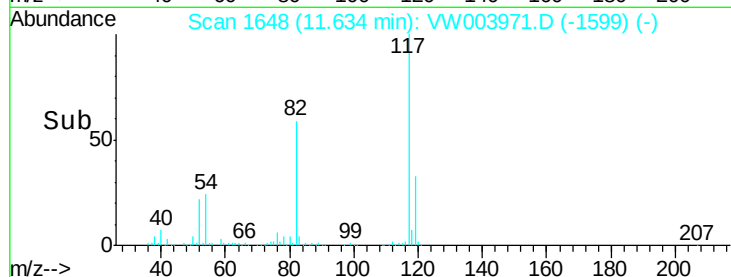
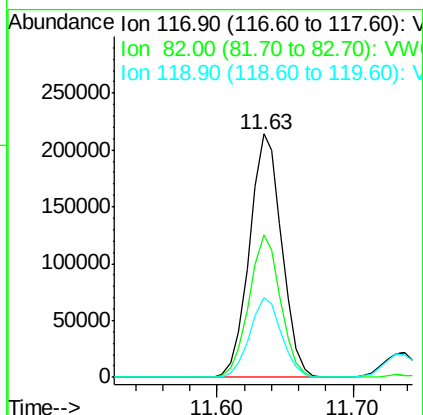
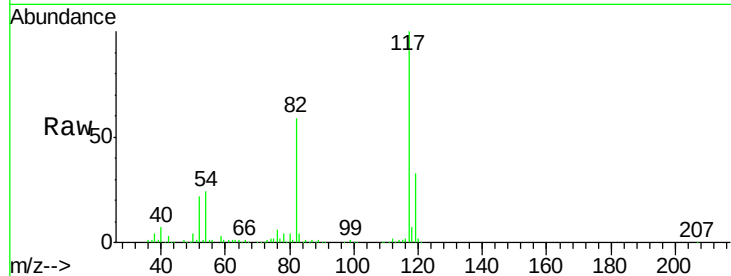




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

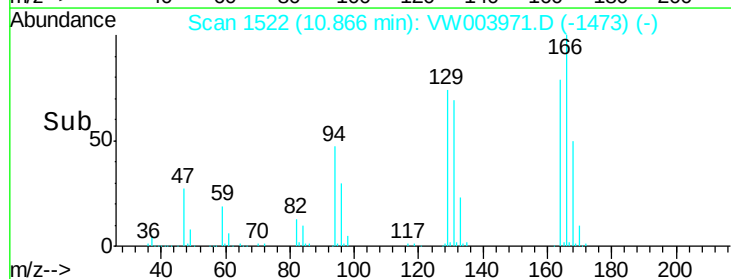
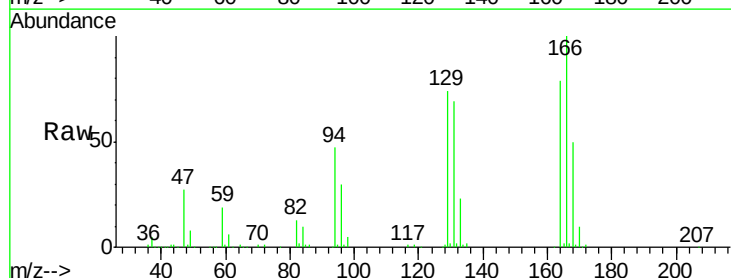
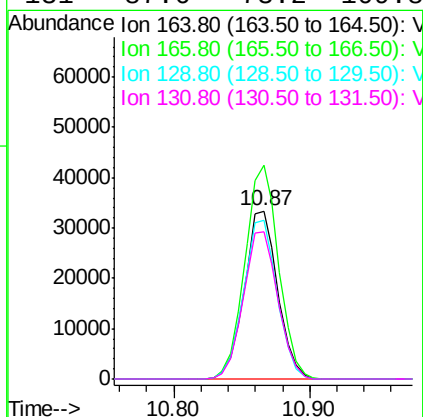
Instrument :
MSVOA_W
ClientSampled :

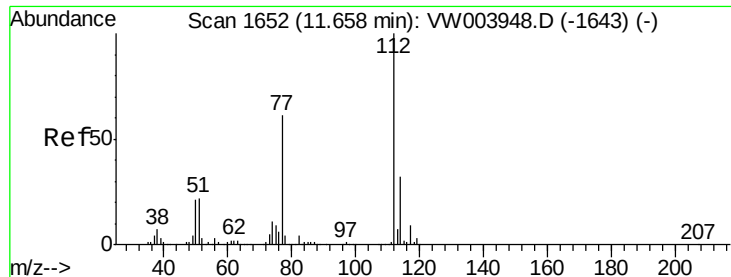
Tot Ion:117 Resp: 356272
Ion Ratio Lower Upper
117 100
82 58.5 46.5 69.7
119 32.8 26.2 39.2



#64
Tetrachloroethene
Concen: 23.435 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

Tgt Ion:164 Resp: 57287
Ion Ratio Lower Upper
164 100
166 127.4 103.5 155.3
129 94.4 76.8 115.2
131 87.6 73.2 109.8

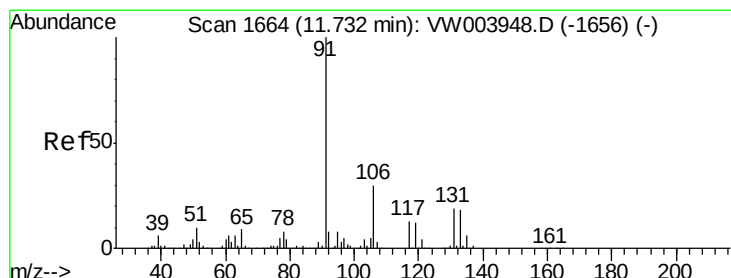
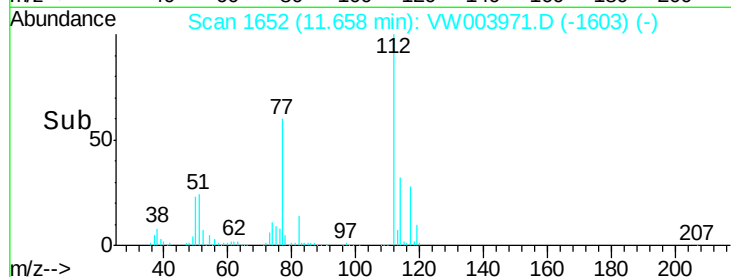
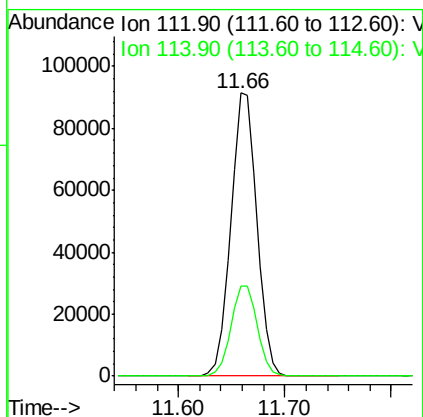
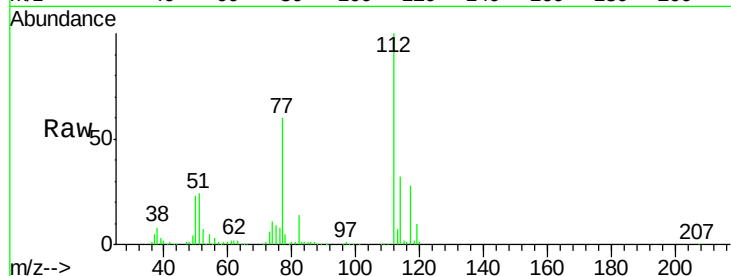




#65
Chlorobenzene
Concen: 20.702 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. -0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

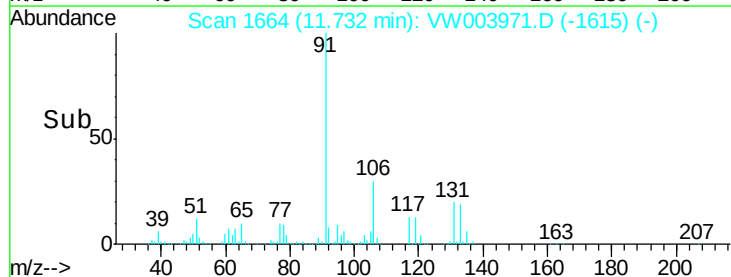
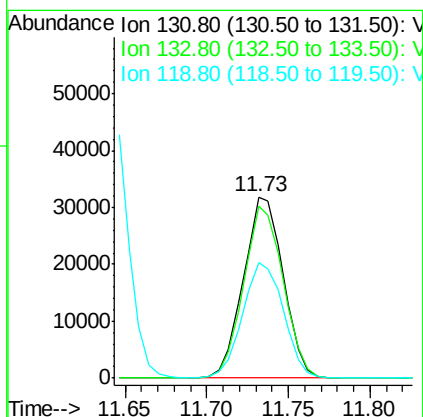
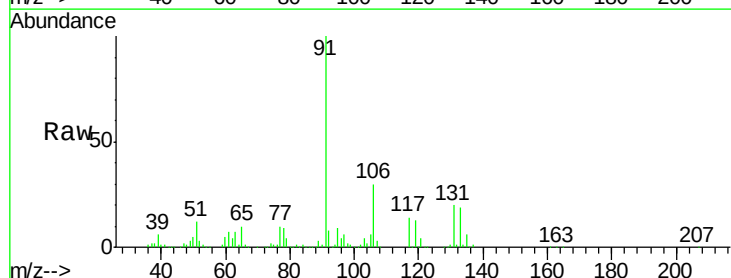
Instrument :
MSVOA_W
ClientSampleId :

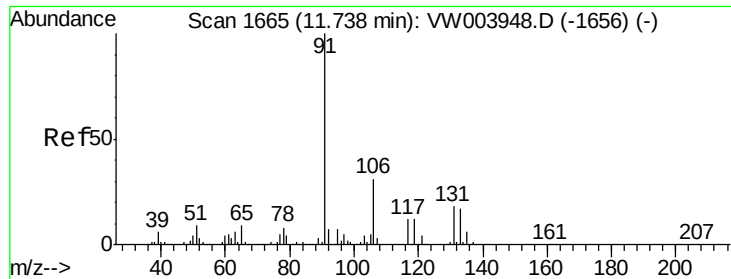
Tot Ion:112 Resp: 156832
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.585 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

Tgt Ion:131 Resp: 54193
Ion Ratio Lower Upper
131 100
133 94.7 47.9 143.8
119 65.5 32.5 97.5

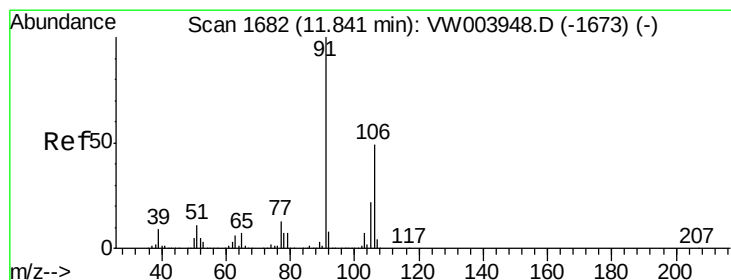
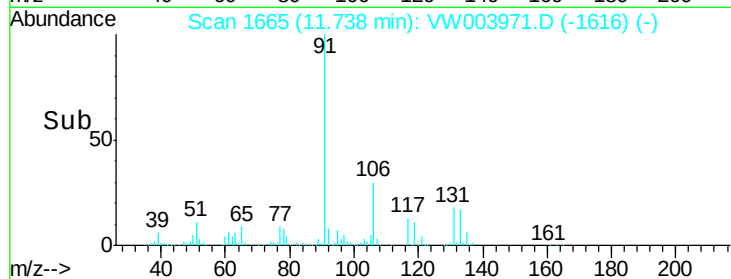
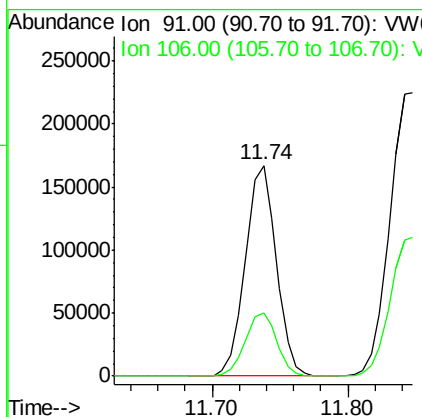
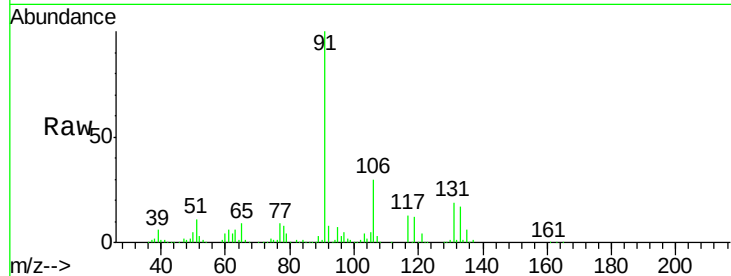




#67
Ethyl Benzene
Concen: 20.089 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

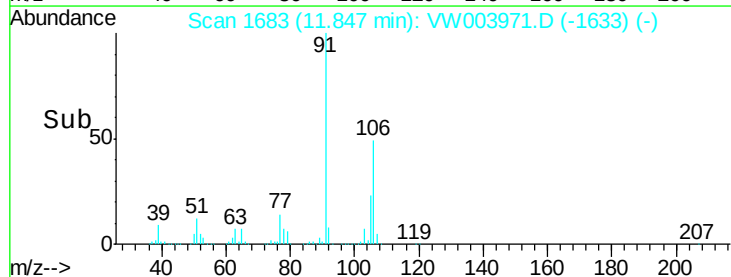
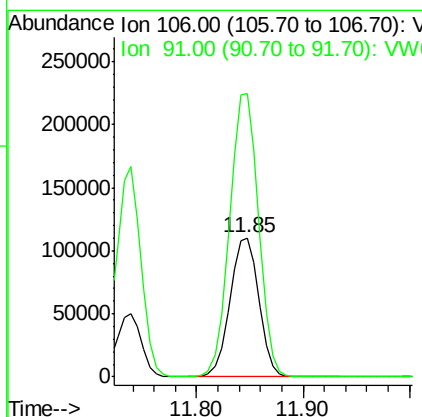
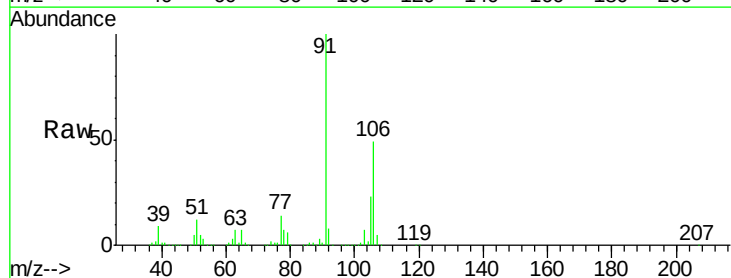
Instrument :
MSVOA_W
ClientSampled :

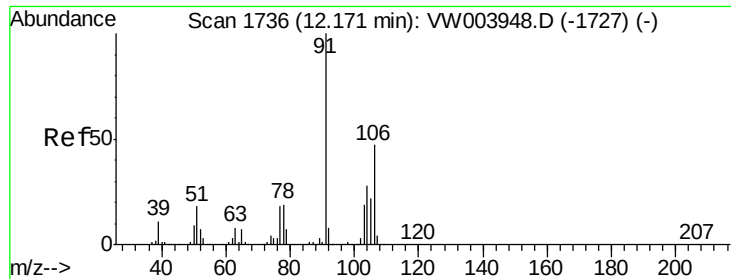
Tot Ion: 91 Resp: 267344
Ion Ratio Lower Upper
91 100
106 30.3 25.0 37.4



#68
m/p-Xylenes
Concen: 41.089 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

Tgt Ion: 106 Resp: 208994
Ion Ratio Lower Upper
106 100
91 204.4 164.2 246.2

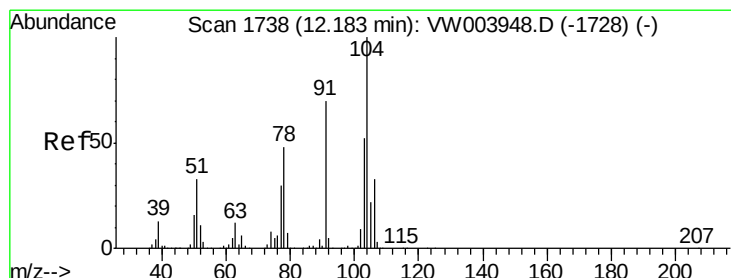
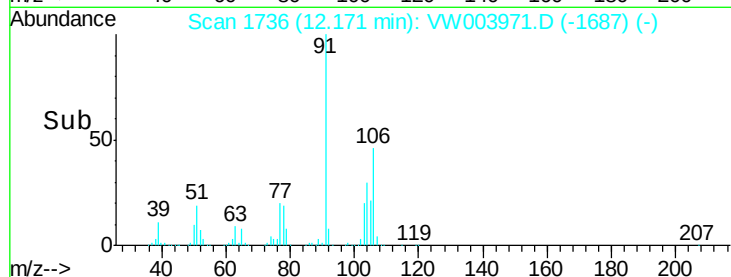
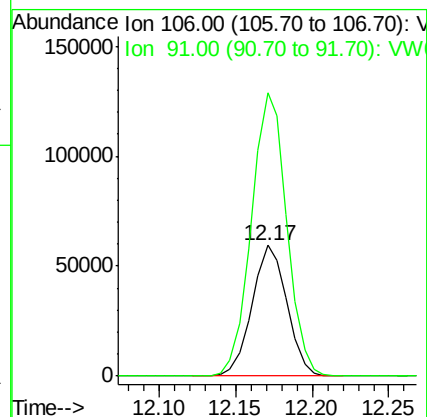
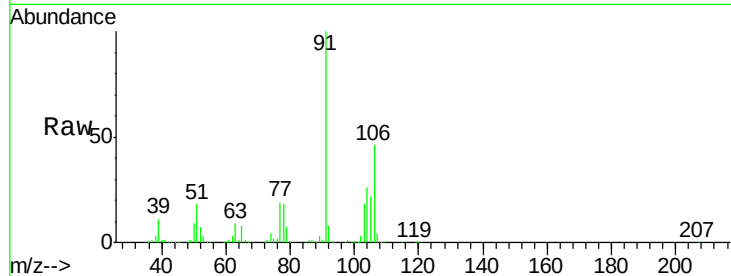




#69
o-Xylene
Concen: 19.934 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

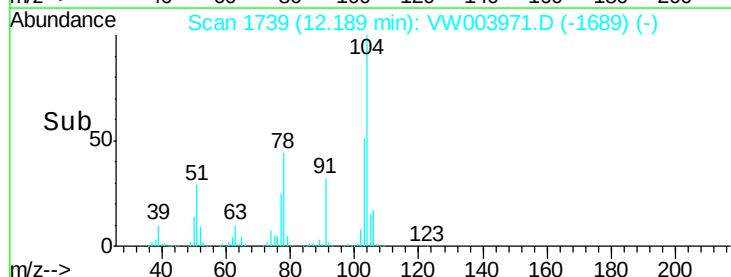
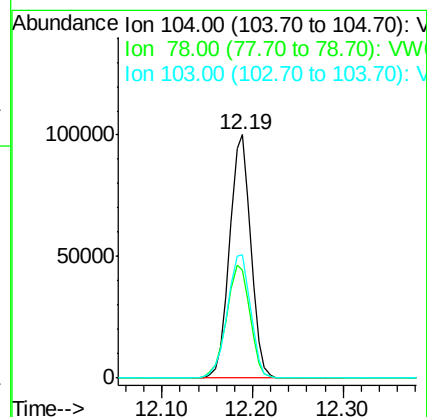
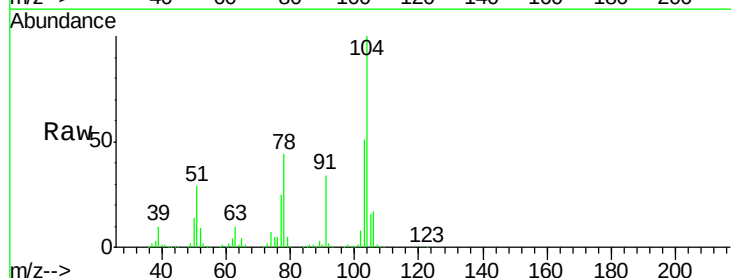
Instrument :
MSVOA_W
ClientSampleId :

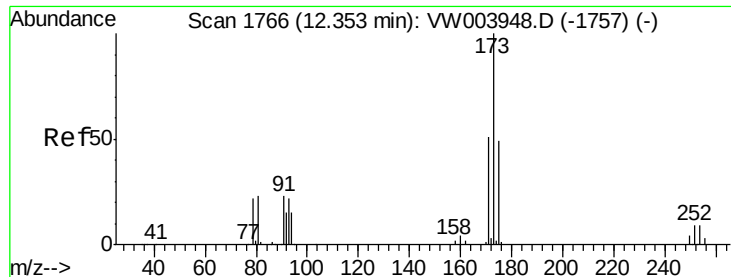
Tot Ion:106 Resp: 94056
Ion Ratio Lower Upper
106 100
91 219.2 107.5 322.6



#70
Styrene
Concen: 20.704 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

Tgt Ion:104 Resp: 163160
Ion Ratio Lower Upper
104 100
78 51.6 41.0 61.4
103 56.0 44.6 67.0





#71

Bromoform

Concen: 20.833 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

Instrument :

MSVOA_W

ClientSampleId :

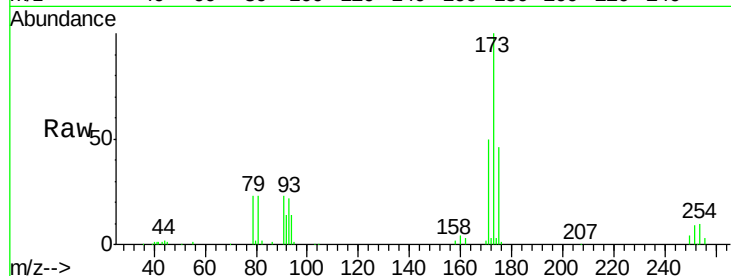
Tot Ion:173 Resp: 30965

Ion Ratio Lower Upper

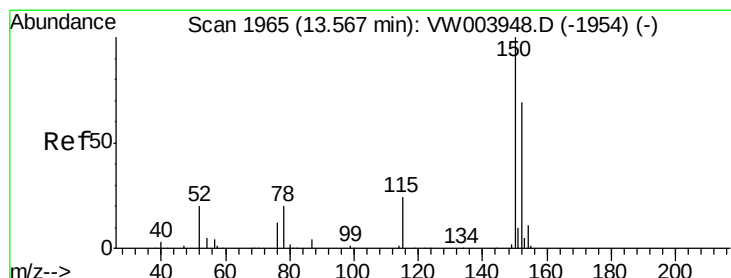
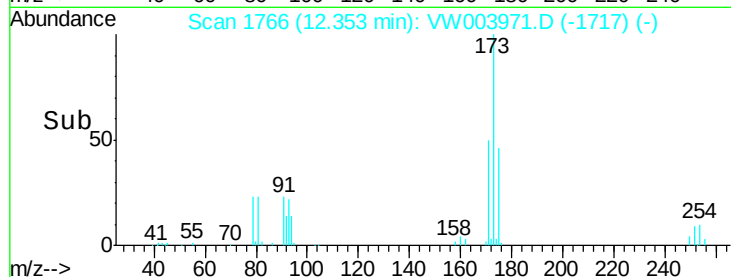
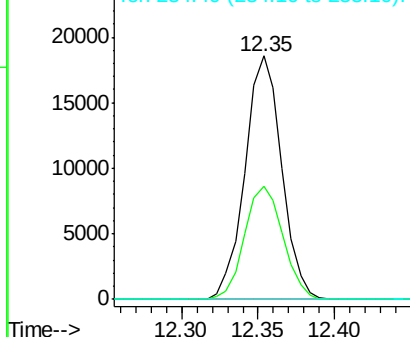
173 100

175 48.5 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: VW003971.D

Acq: 17 Jul 2018 01:48

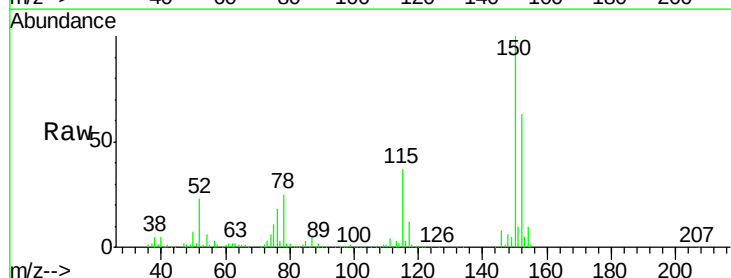
Tgt Ion:152 Resp: 188672

Ion Ratio Lower Upper

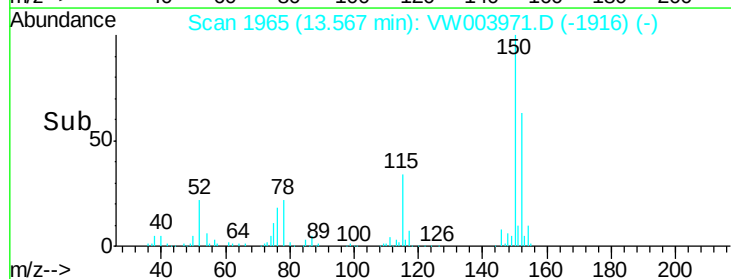
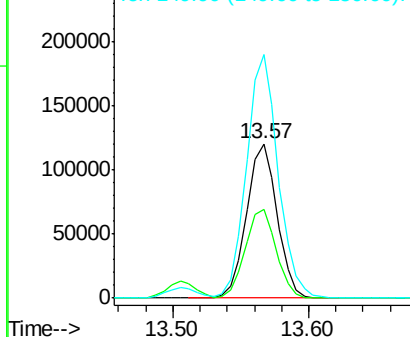
152 100

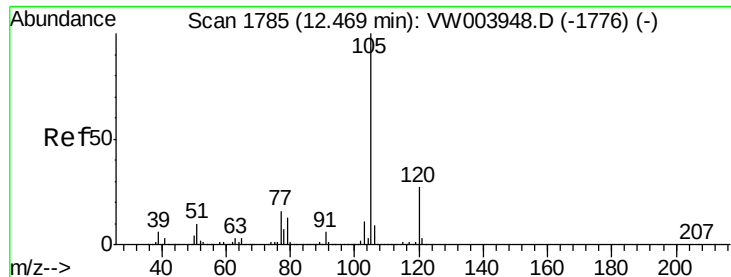
115 58.6 29.2 87.6

150 163.1 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: 19.366 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

Instrument :

MSVOA_W

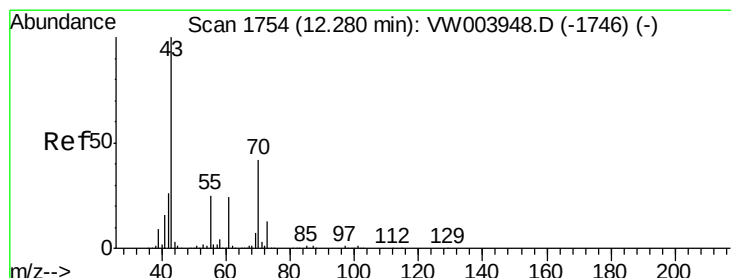
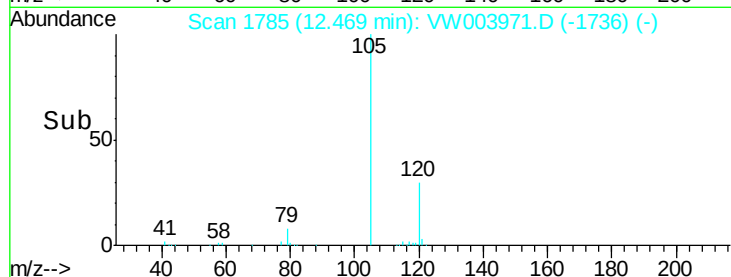
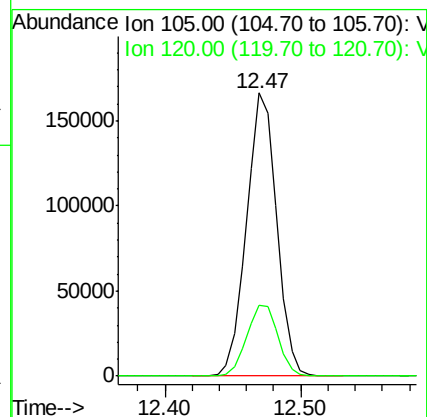
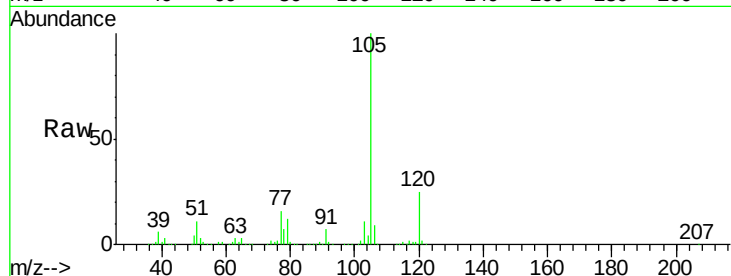
ClientSampleId :

Tot Ion:105 Resp: 258187

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.6



#74

N-ethyl acetate

Concen: 21.842 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

Tgt Ion: 43 Resp: 75876

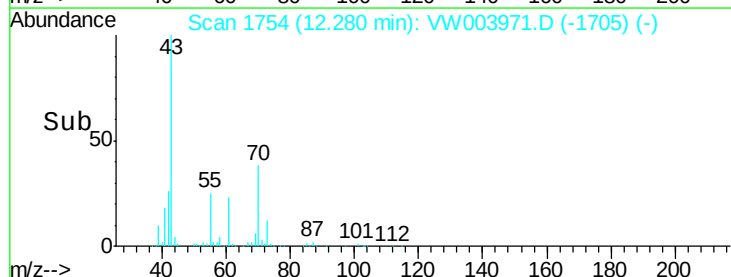
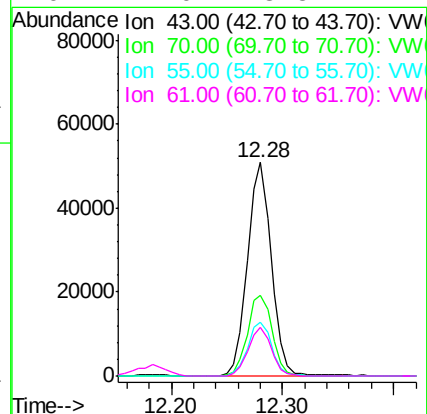
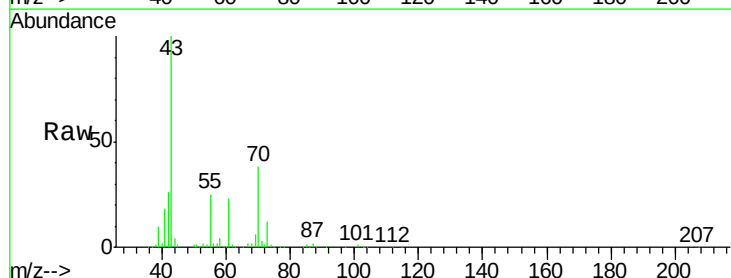
Ion Ratio Lower Upper

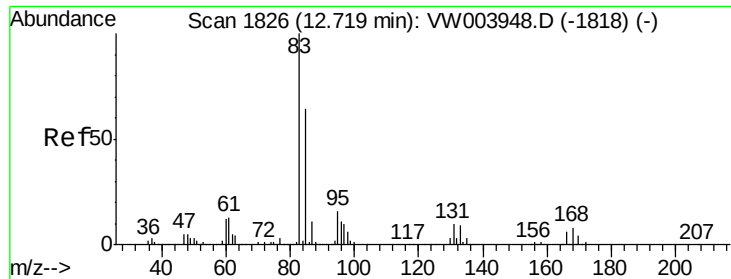
43 100

70 39.3 31.6 47.4

55 25.6 20.0 30.0

61 22.0 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.578 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

Instrument :

MSVOA_W

ClientSampleId :

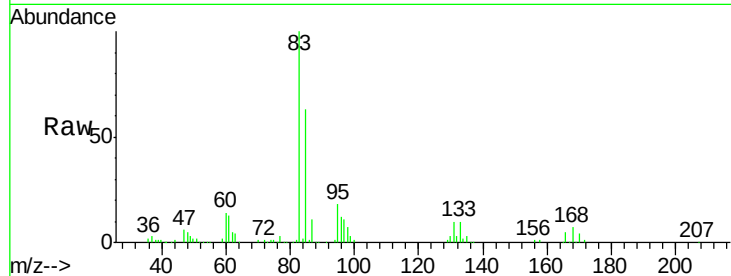
Tot Ion: 83 Resp: 55635

Ion Ratio Lower Upper

83 100

131 10.1 5.3 15.8

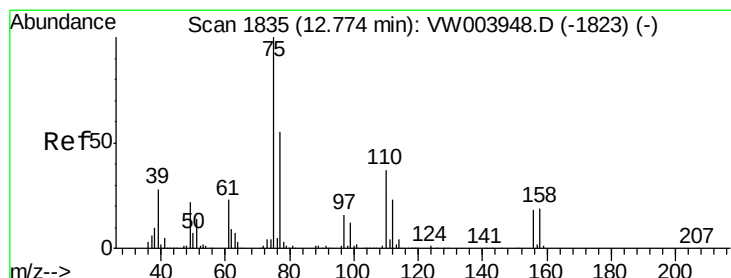
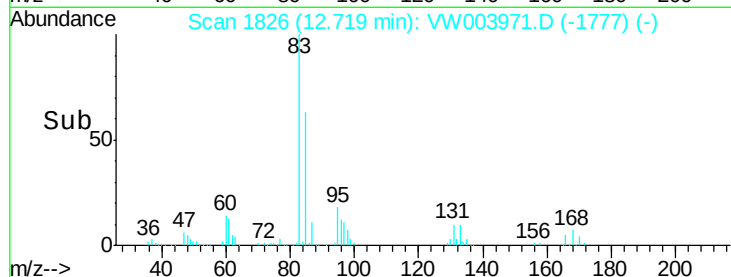
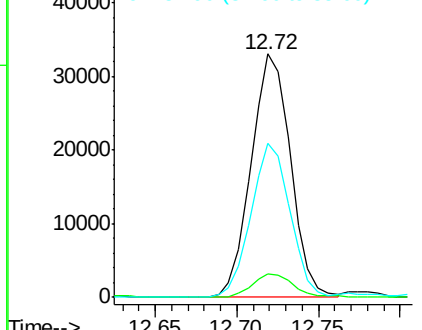
85 62.8 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 38.049 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW003971.D

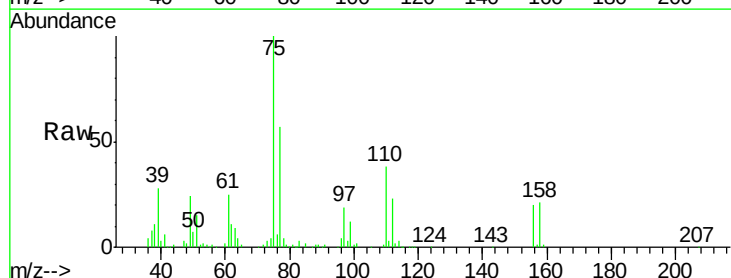
Acq: 17 Jul 2018 01:48

Tgt Ion: 75 Resp: 71268

Ion Ratio Lower Upper

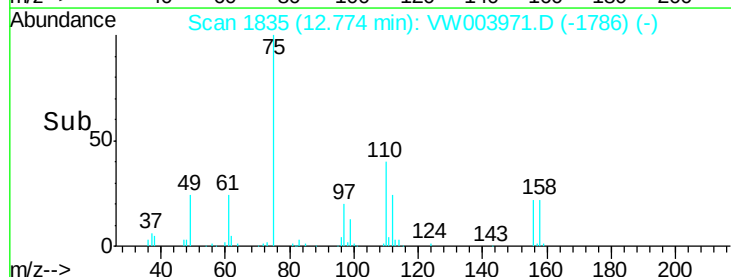
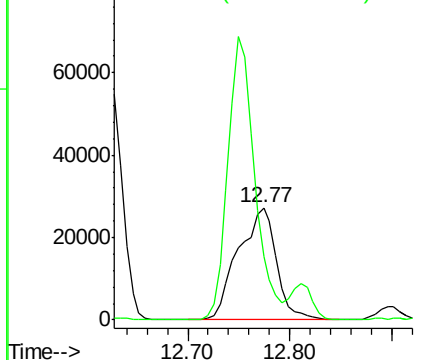
75 100

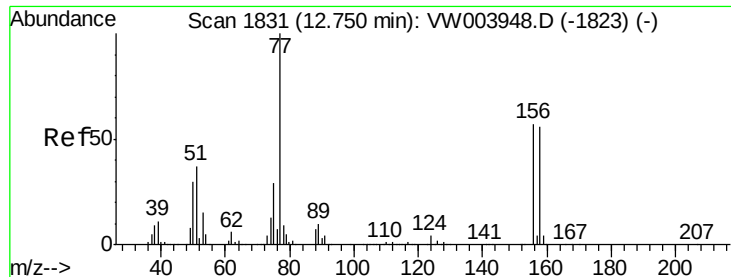
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.205 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

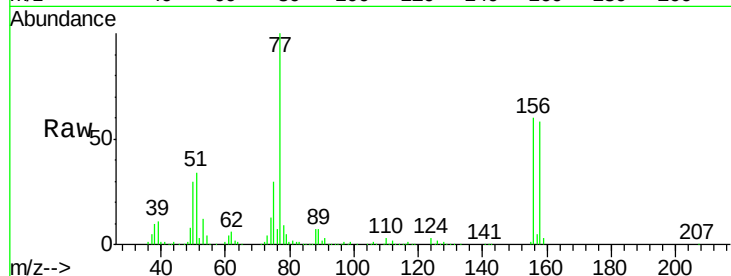
Instrument :

MSVOA_W

ClientSampled :

Tot Ion:156 Resp: 64457

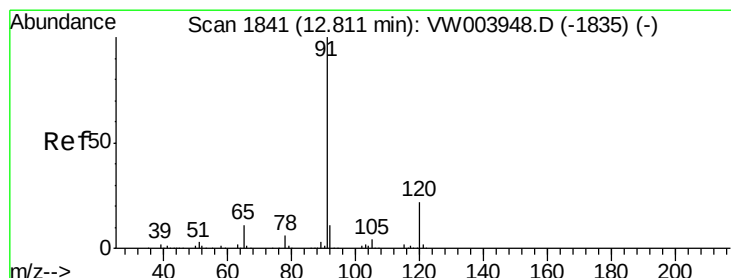
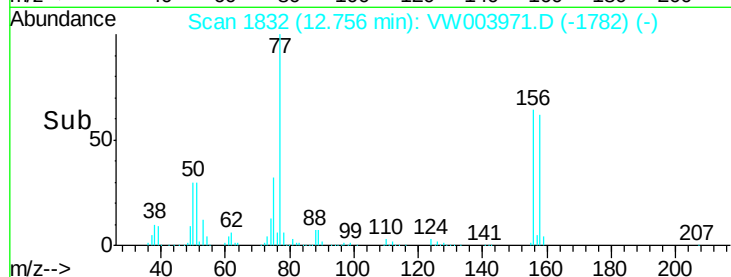
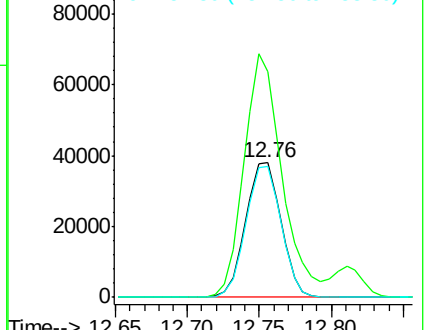
Ion	Ratio	Lower	Upper
156	100		
77	193.8	96.2	288.6
158	96.9	48.5	145.5



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: 19.858 ug/l

RT: 12.81 min Scan# 1841

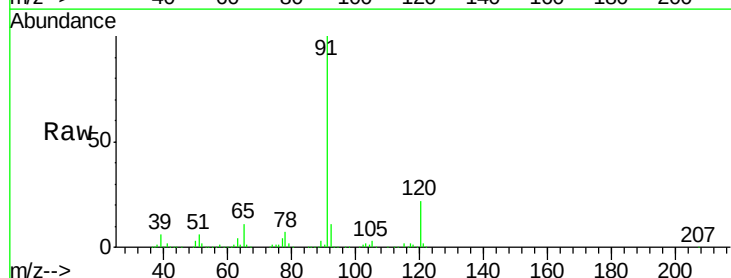
Delta R.T. -0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

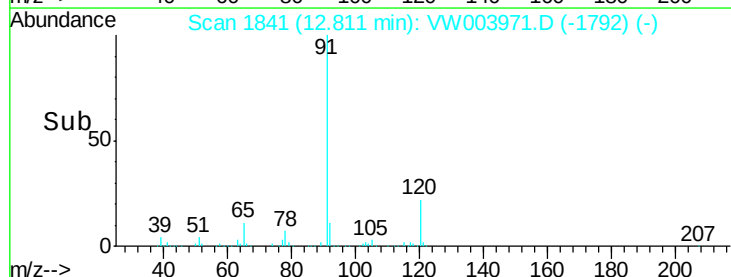
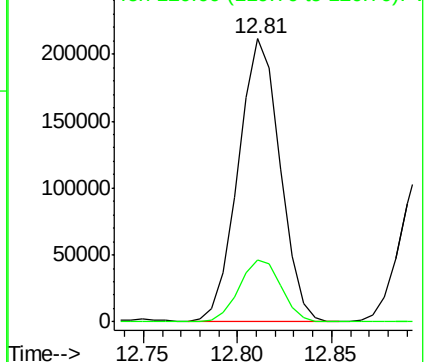
Tgt Ion: 91 Resp: 324799

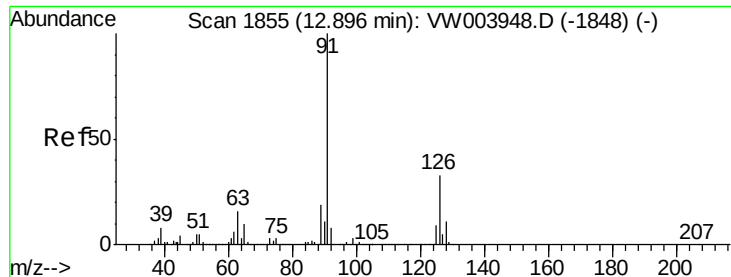
Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.2	33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.483 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

Instrument :

MSVOA_W

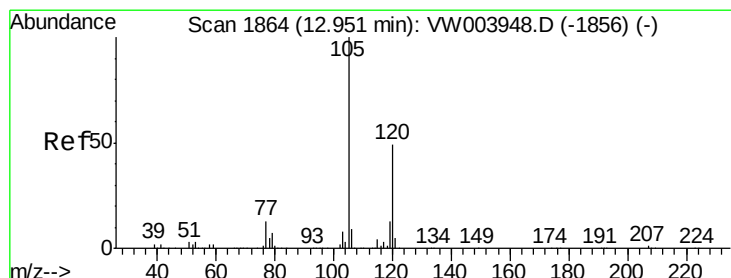
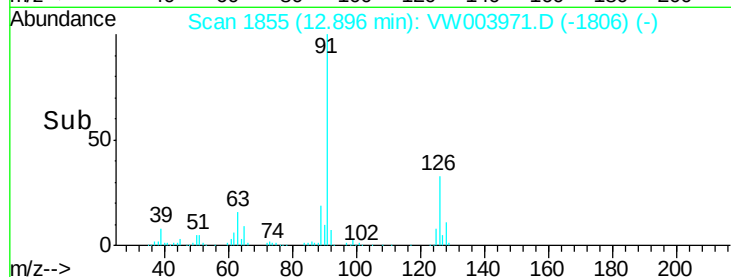
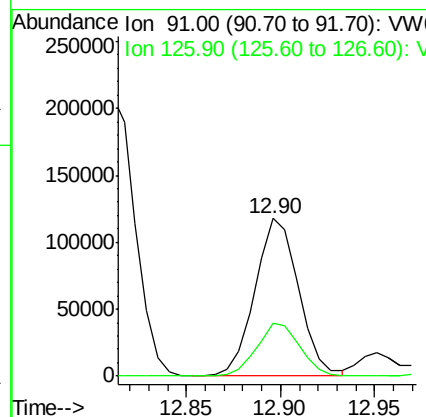
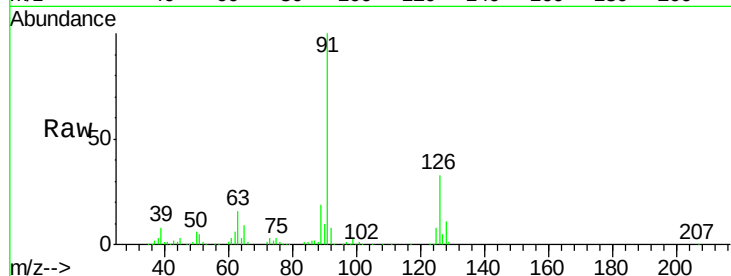
ClientSampleId :

Tot Ion: 91 Resp: 188949

Ion Ratio Lower Upper

91 100

126 33.1 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 20.271 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW003971.D

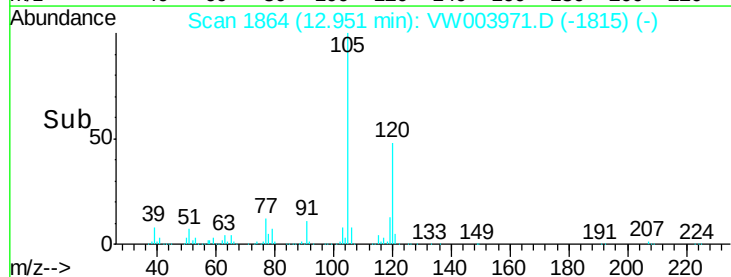
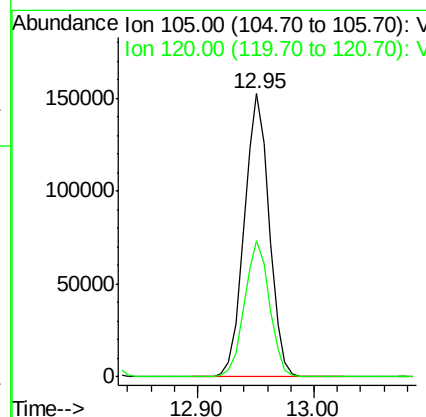
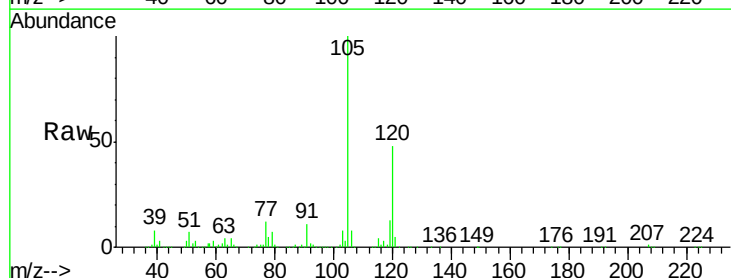
Acq: 17 Jul 2018 01:48

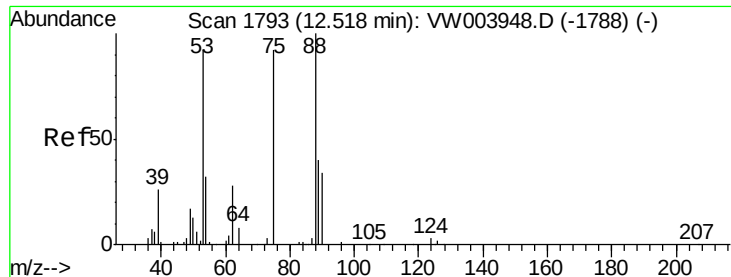
Tgt Ion:105 Resp: 227433

Ion Ratio Lower Upper

105 100

120 48.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.272 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

Instrument :

MSVOA_W

ClientSampled :

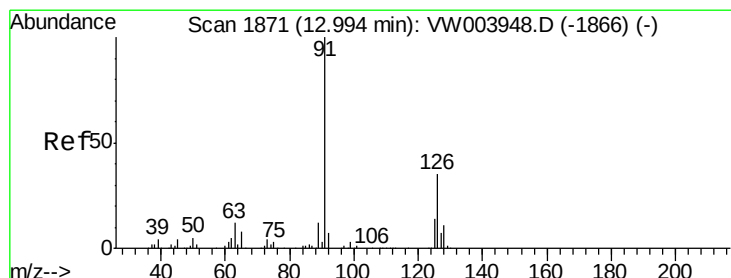
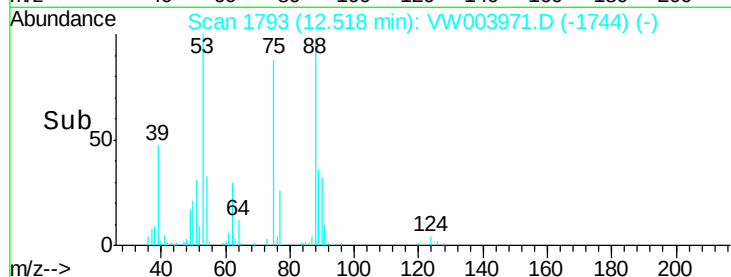
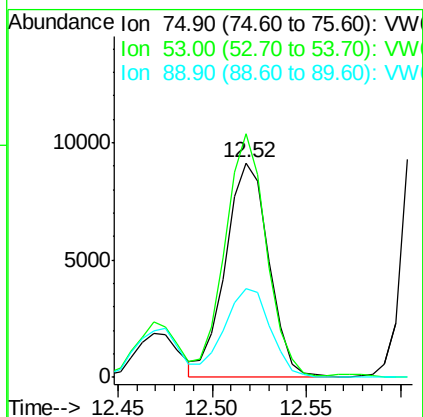
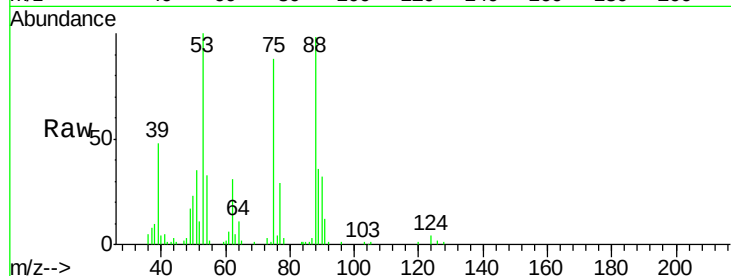
Tot Ion: 75 Resp: 14626

Ion Ratio Lower Upper

75 100

53 107.2 77.6 116.4

89 43.2 36.6 54.8



#82

4-Chlorotoluene

Concen: 20.167 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW003971.D

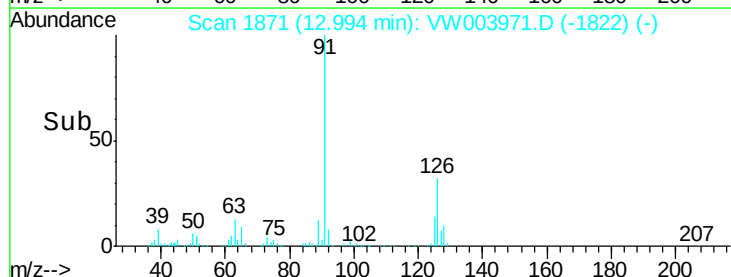
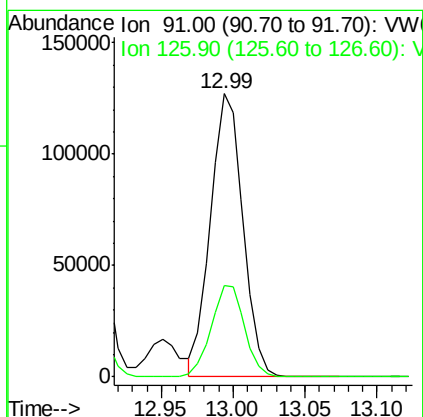
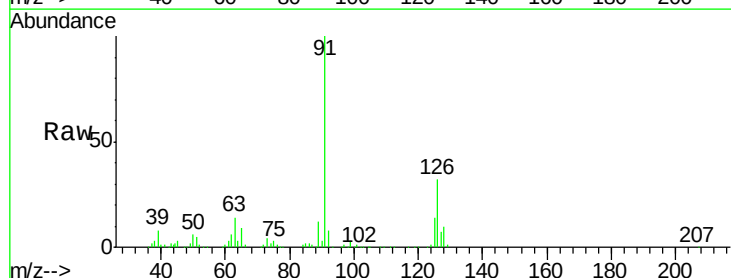
Acq: 17 Jul 2018 01:48

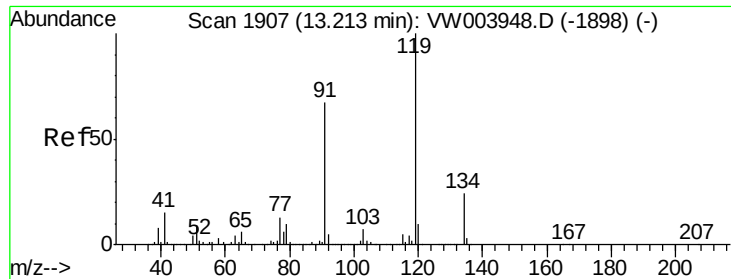
Tgt Ion: 91 Resp: 199643

Ion Ratio Lower Upper

91 100

126 33.2 16.7 50.0

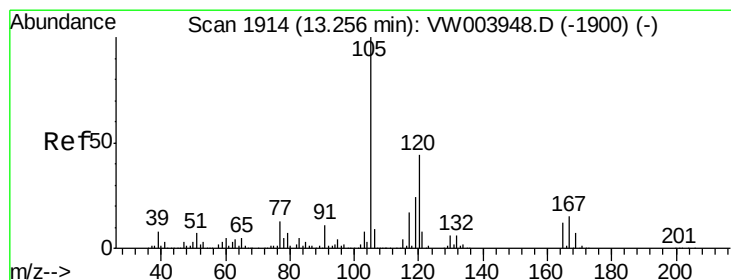
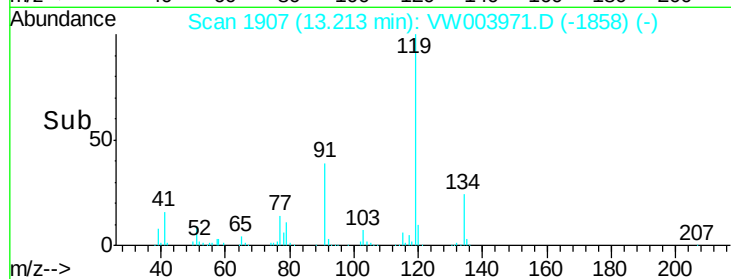
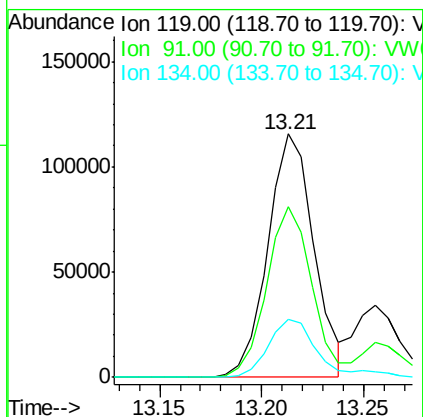
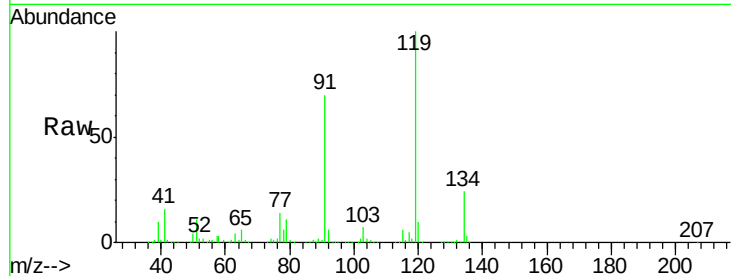




#83
 tert-Butylbenzene
 Concen: 19.340 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW003971.D
 Acq: 17 Jul 2018 01:48

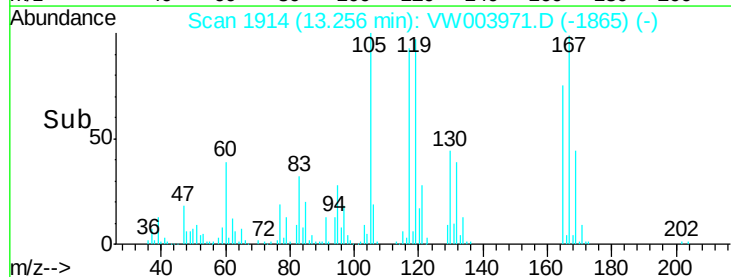
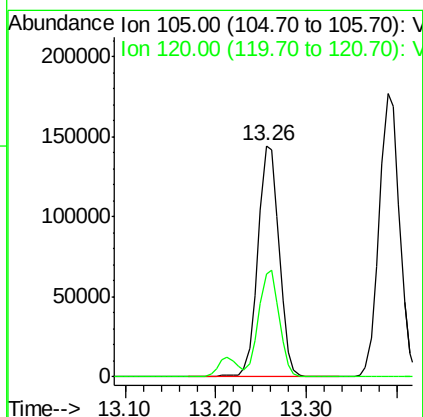
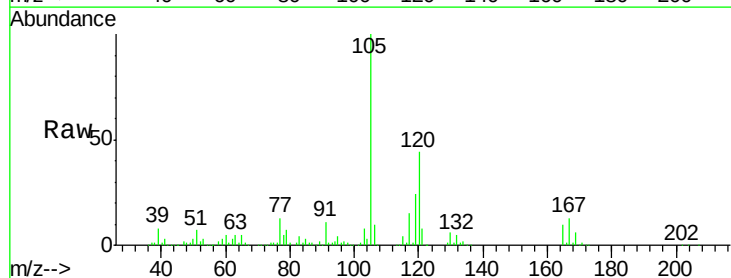
Instrument :
 MSVOA_W
 ClientSampled :

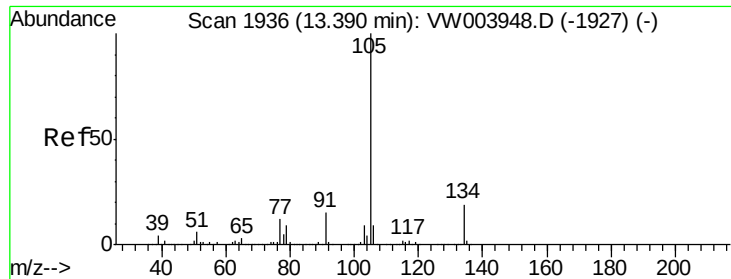
Tot Ion:119 Resp: 182171
 Ion Ratio Lower Upper
 119 100
 91 69.5 33.2 99.6
 134 26.0 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.247 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW003971.D
 Acq: 17 Jul 2018 01:48

Tgt Ion:105 Resp: 233707
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.1 66.1

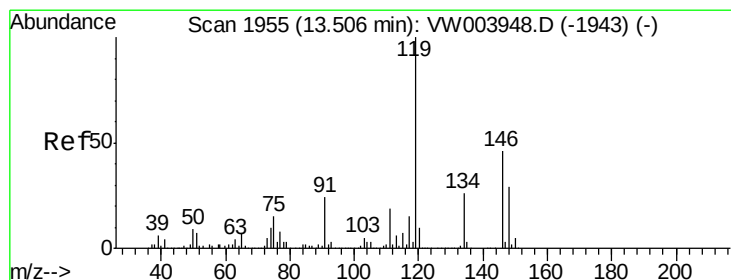
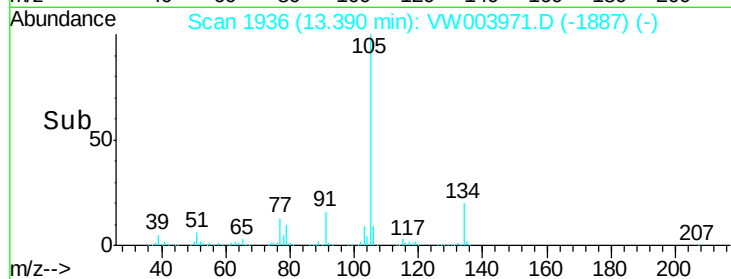
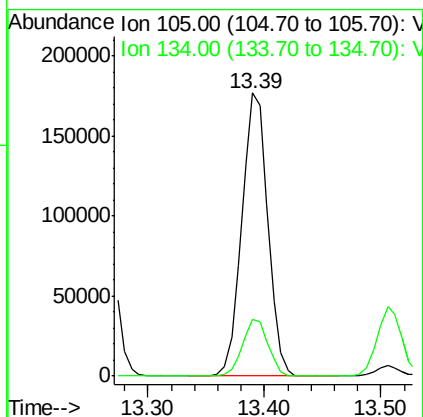
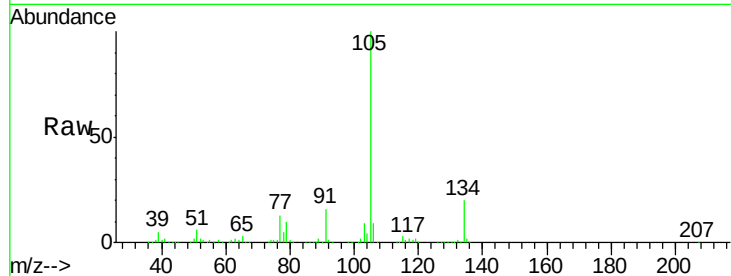




#85
 sec-Butylbenzene
 Concen: 19.752 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW003971.D
 Acq: 17 Jul 2018 01:48

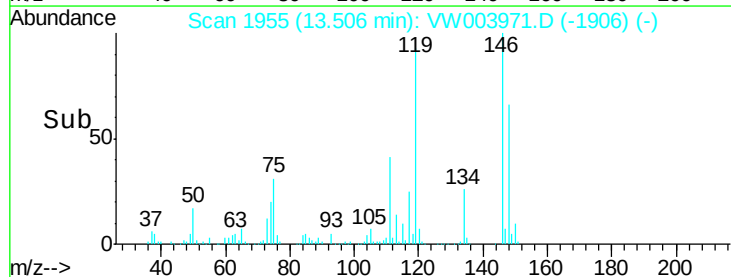
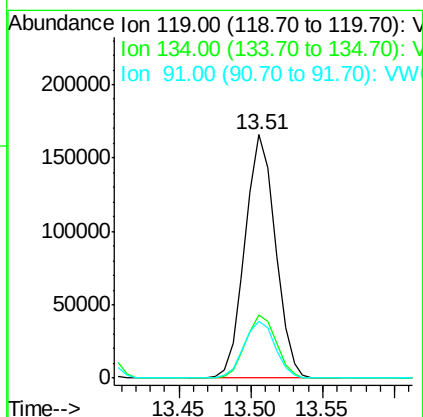
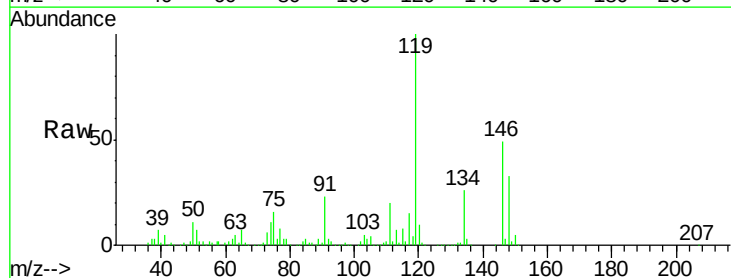
Instrument :
 MSVOA_W
 ClientSampleId :

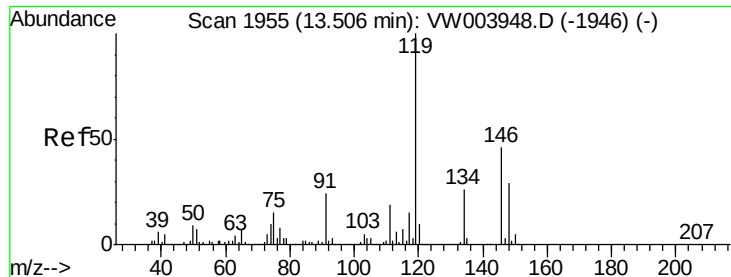
Tot Ion:105 Resp: 276059
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 19.761 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003971.D
 Acq: 17 Jul 2018 01:48

Tgt Ion:119 Resp: 242255
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.0 38.9
 91 23.9 11.8 35.3

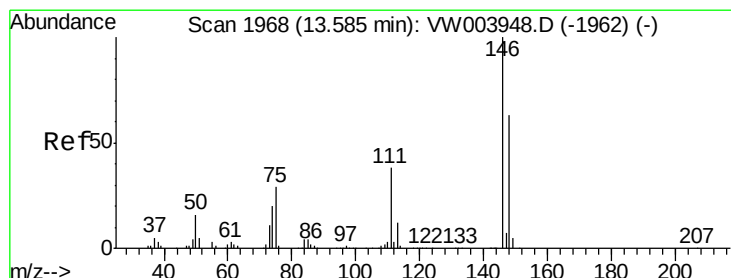
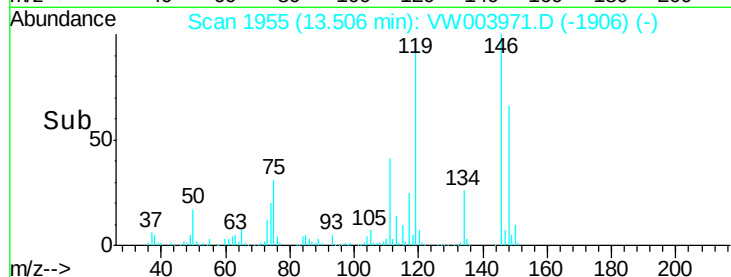
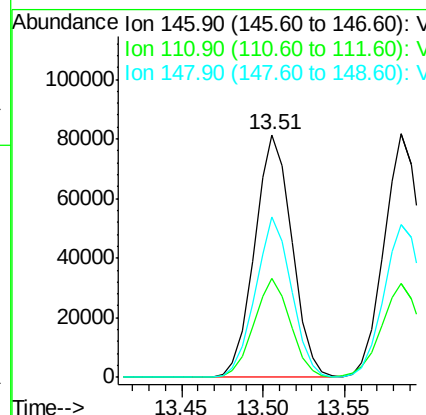
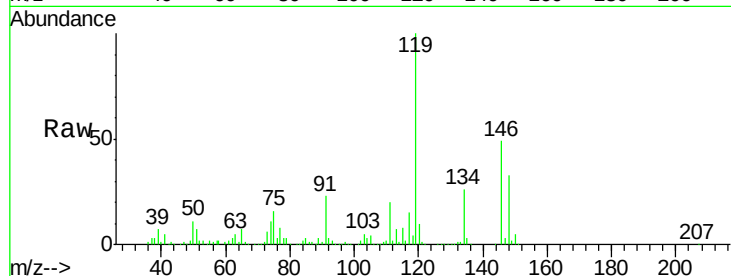




#87
 1,3-Dichlorobenzene
 Concen: 20.272 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003971.D
 Acq: 17 Jul 2018 01:48

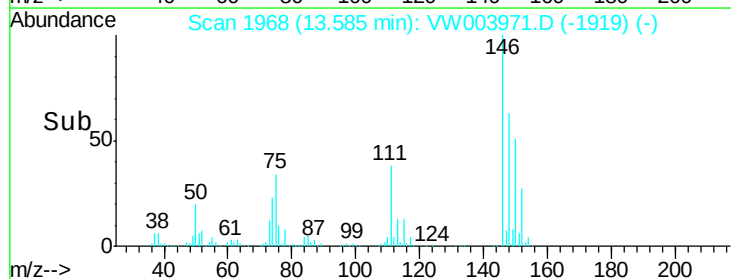
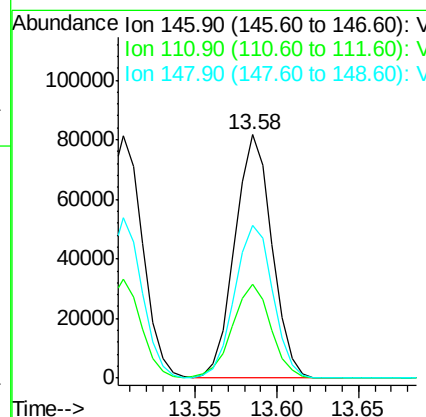
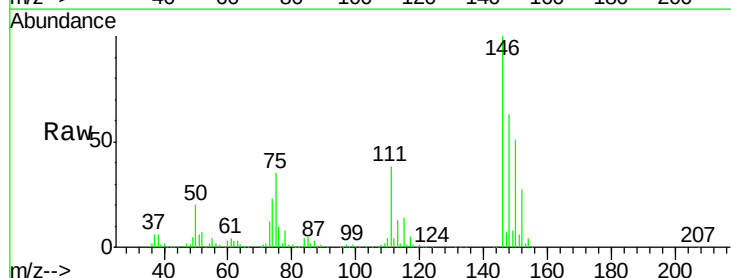
Instrument :
 MSVOA_W
 ClientSampled :

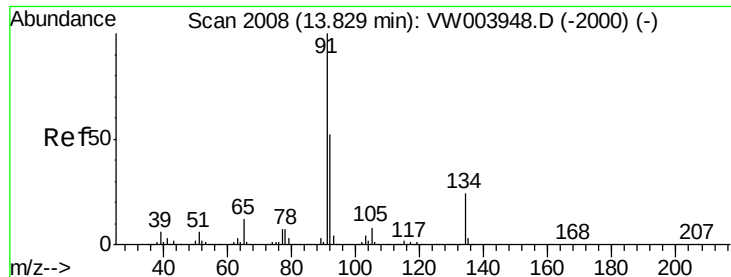
Tot Ion:146 Resp: 129164
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.9 59.6
 148 63.9 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 20.226 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003971.D
 Acq: 17 Jul 2018 01:48

Tgt Ion:146 Resp: 129245
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.6 58.7
 148 65.1 32.3 96.8





#89

n-Butylbenzene

Concen: 19.095 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW003971.D

Acq: 17 Jul 2018 01:48

Instrument :

MSVOA_W

ClientSampled :

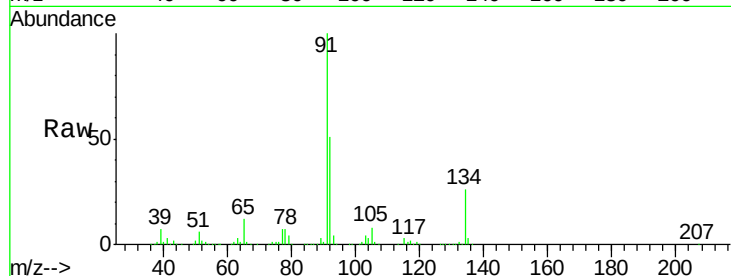
Tot Ion: 91 Resp: 230123

Ion Ratio Lower Upper

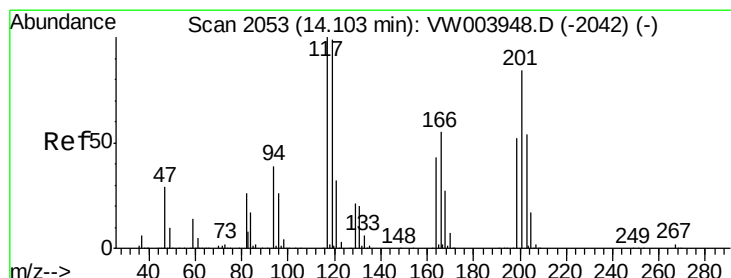
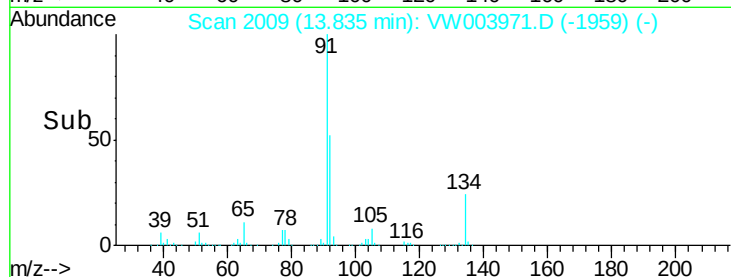
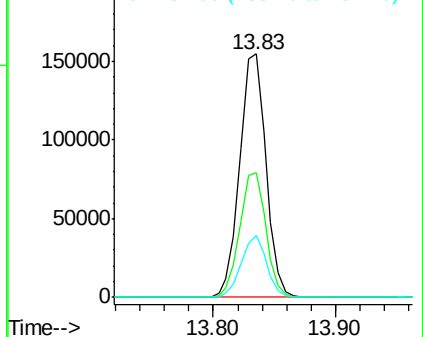
91 100

92 50.9 26.1 78.3

134 24.6 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: 19.545 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VW003971.D

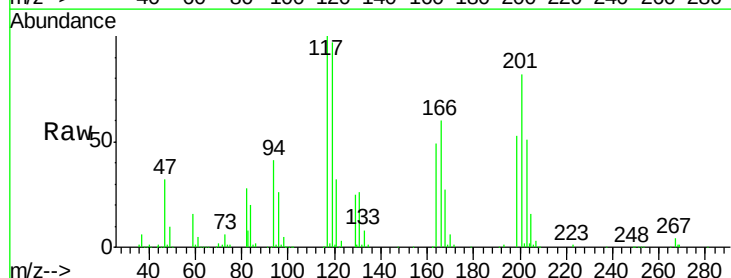
Acq: 17 Jul 2018 01:48

Tgt Ion: 117 Resp: 44168

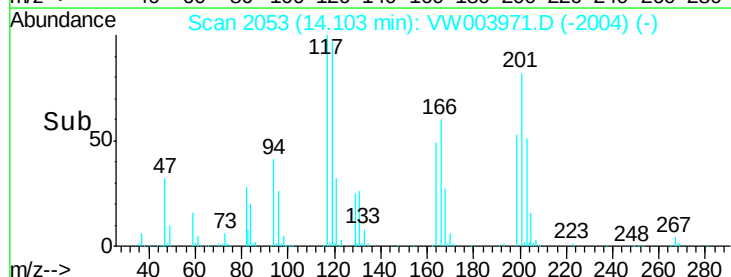
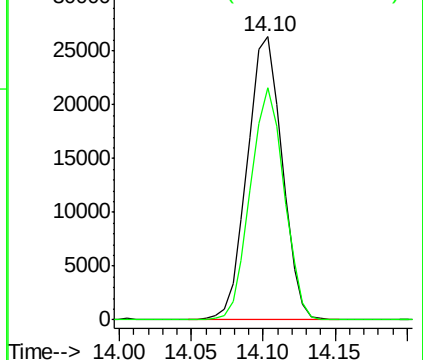
Ion Ratio Lower Upper

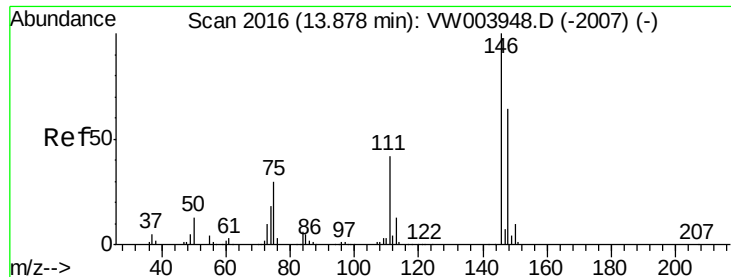
117 100

201 79.3 40.3 120.9



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

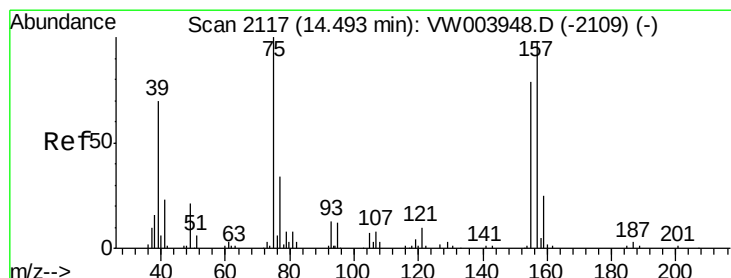
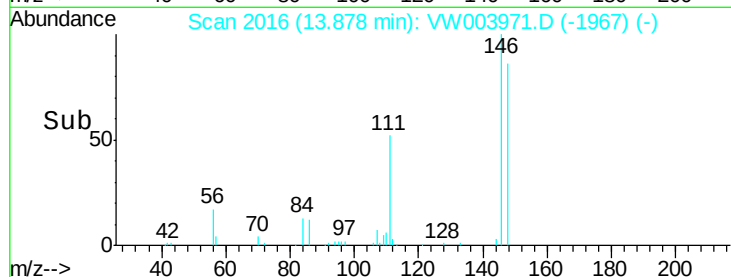
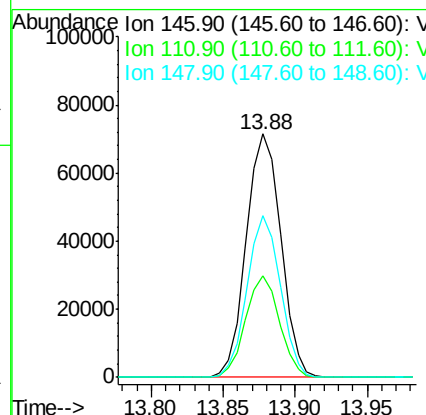
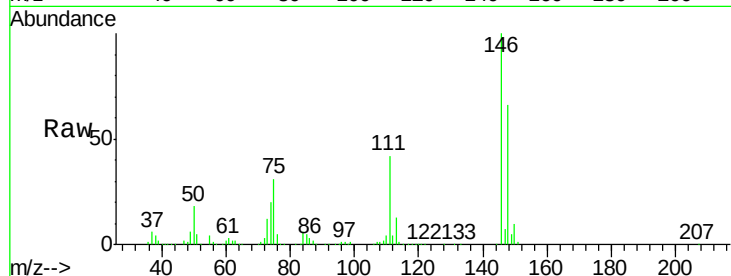




#91
 1,2-Dichlorobenzene
 Concen: 21.007 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003971.D
 Acq: 17 Jul 2018 01:48

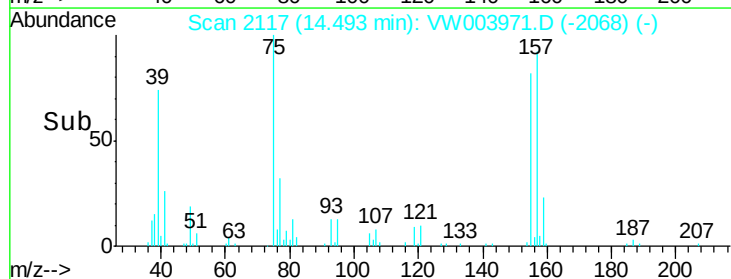
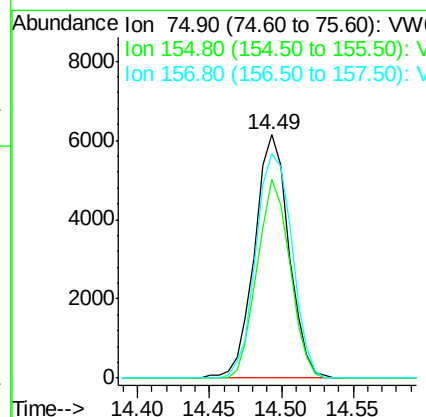
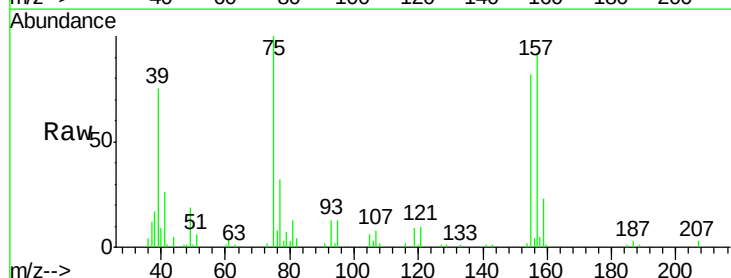
Instrument :
 MSVOA_W
 ClientSampleId :

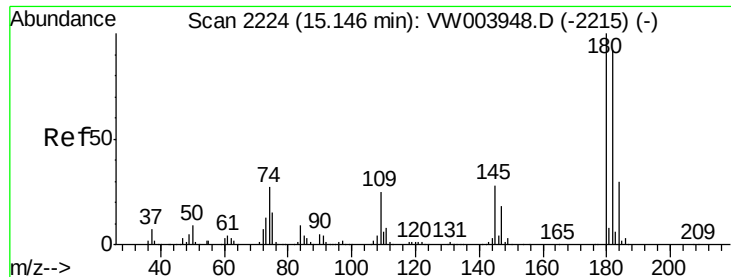
Tot Ion:146 Resp: 119250
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.7 62.1
 148 63.9 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.014 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW003971.D
 Acq: 17 Jul 2018 01:48

Tgt Ion: 75 Resp: 10093
 Ion Ratio Lower Upper
 75 100
 155 77.7 39.4 118.1
 157 97.3 51.8 155.4

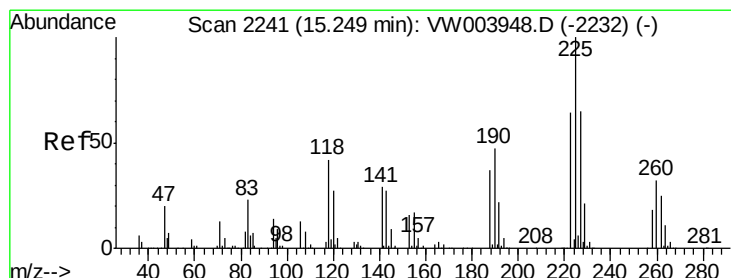
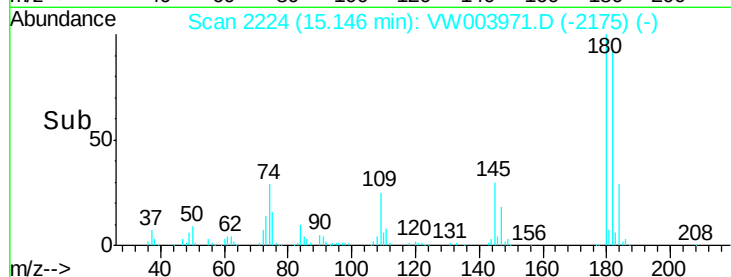
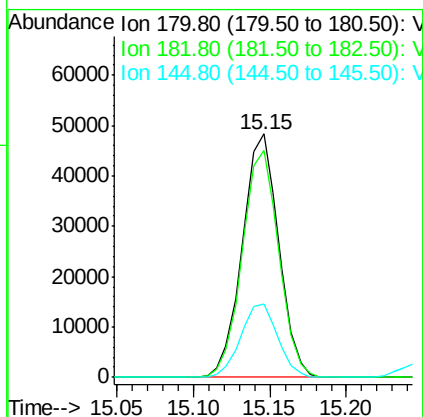
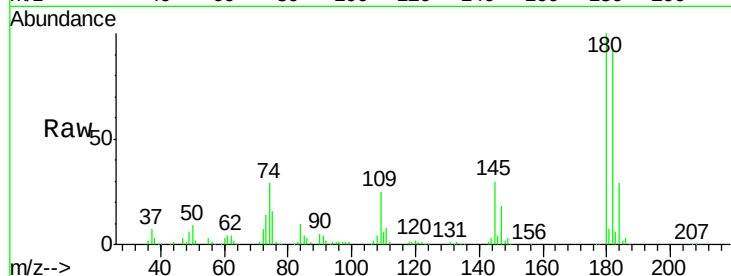




#93
1,2,4-Trichlorobenzene
Concen: 20.039 ug/l
RT: 15.15 min Scan# 2224
Delta R.T. 0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

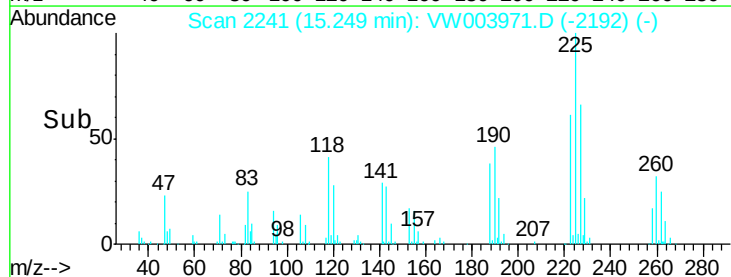
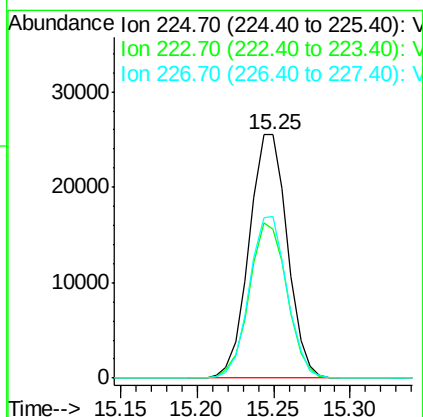
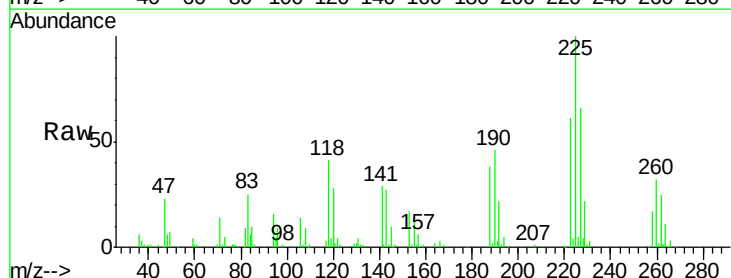
Instrument :
MSVOA_W
ClientSampleId :

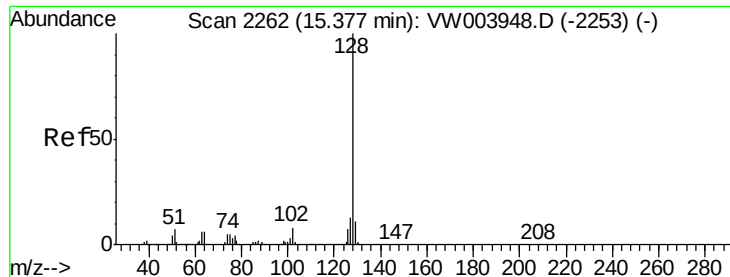
Tot Ion:180 Resp: 79893
Ion Ratio Lower Upper
180 100
182 93.8 46.9 140.8
145 30.6 15.0 45.0



#94
Hexachlorobutadiene
Concen: 19.393 ug/l
RT: 15.25 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

Tgt Ion:225 Resp: 44398
Ion Ratio Lower Upper
225 100
223 62.9 32.0 96.2
227 64.9 32.3 96.9

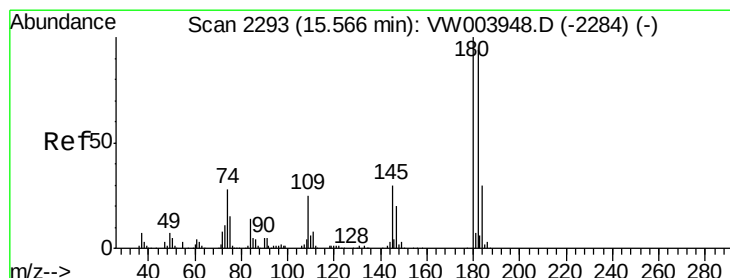
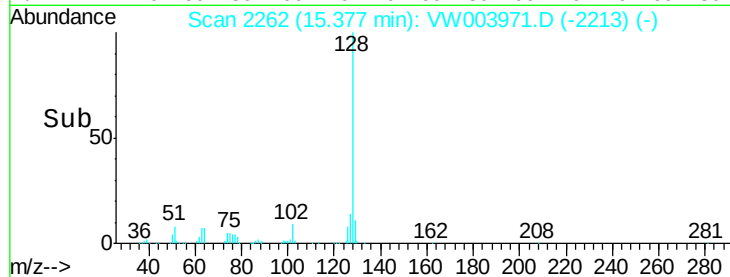
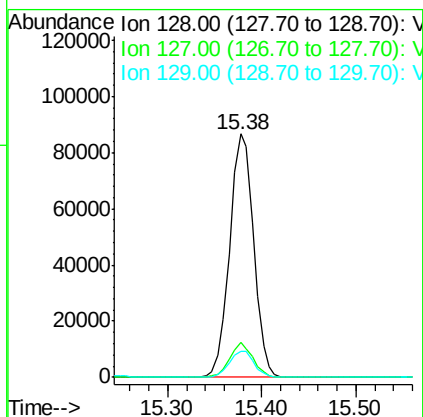
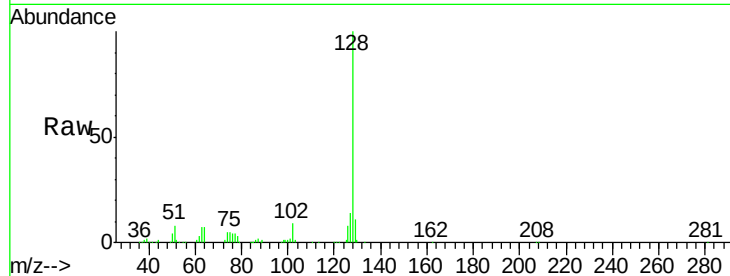




#95
Naphthalene
Concen: 20.840 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 153360
Ion Ratio Lower Upper
128 100
127 13.7 10.7 16.1
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.712 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW003971.D
Acq: 17 Jul 2018 01:48

Tgt Ion:180 Resp: 73112
Ion Ratio Lower Upper
180 100
182 94.4 47.5 142.6
145 31.4 15.8 47.4

