

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
 Data File : VW003956.D
 Acq On : 16 Jul 2018 17:31
 Operator : VA/AP
 Sample : VW0716SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 17 05:49:58 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	258200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	415011	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	396589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	203939	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	154551	53.55	ug/l	0.00
Spiked Amount			Recovery	=	107.10%	
35) Dibromofluoromethane	7.88	113	132763	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
50) Toluene-d8	10.33	98	526700	50.98	ug/l	0.00
Spiked Amount			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.62	95	192676	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	31354	21.624	ug/l	100
3) Chloromethane	2.20	50	40689	21.320	ug/l	99
4) Vinyl Chloride	2.35	62	55134	21.002	ug/l	98
5) Bromomethane	2.76	94	34562	21.065	ug/l	98
6) Chloroethane	2.91	64	30308	20.320	ug/l	98
7) Trichlorofluoromethane	3.24	101	16408	14.888	ug/l	90
8) Diethyl Ether	3.67	74	26783	20.936	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.04	101	51143	20.110	ug/l	99
10) Methyl Iodide	4.26	142	70659	19.345	ug/l	99
11) Tert butyl alcohol	5.20	59	19859	99.674	ug/l	97
12) 1,1-Dichloroethene	4.03	96	51219	20.412	ug/l	97
13) Acrolein	3.89	56	21380	104.437	ug/l	92
14) Allyl chloride	4.65	41	72001	17.383	ug/l	99
15) Acrylonitrile	5.37	53	68056	103.820	ug/l	100
16) Acetone	4.12	43	63870	92.092	ug/l	96
17) Carbon Disulfide	4.37	76	155950	19.911	ug/l	99
18) Methyl Acetate	4.67	43	33681	20.231	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	99495	20.689	ug/l	100
20) Methylene Chloride	4.91	84	66168	16.314	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	55293	20.102	ug/l	92
22) Diisopropyl ether	6.32	45	174788	20.880	ug/l	96
23) Vinyl Acetate	6.26	43	572157	107.874	ug/l	100
24) 1,1-Dichloroethane	6.21	63	103532	20.270	ug/l	98
25) 2-Butanone	7.18	43	101568	108.826	ug/l	95
26) 2,2-Dichloropropane	7.17	77	56037	19.113	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	59878	20.138	ug/l	99
28) Bromochloromethane	7.51	49	46609	22.298	ug/l	99
29) Tetrahydrofuran	7.54	42	63035	108.427	ug/l	100
30) Chloroform	7.67	83	104701	20.608	ug/l	99
31) Cyclohexane	7.95	56	93766	19.584	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	77877	19.629	ug/l	99
36) 1,1-Dichloropropene	8.08	75	84969	19.900	ug/l	99
37) Ethyl Acetate	7.26	43	43684	21.211	ug/l	100
38) Carbon Tetrachloride	8.07	117	75923	19.030	ug/l	97

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Quant Time: Jul 17 05:49:58 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)
39) Methylcyclohexane	9.34	83	95655	19.129	ug/l	96
40) Benzene	8.32	78	235773	19.903	ug/l	100
41) Methacrylonitrile	7.49	41	24445	21.421	ug/l	93
42) 1,2-Dichloroethane	8.40	62	74760	20.686	ug/l	99
43) Isopropyl Acetate	8.43	43	81978	21.282	ug/l	99
44) Trichloroethene	9.09	130	59658	19.428	ug/l	97
45) 1,2-Dichloropropane	9.37	63	61040	20.188	ug/l	99
46) Dibromomethane	9.46	93	32478	20.701	ug/l	99
47) Bromodichloromethane	9.65	83	78917	20.404	ug/l	96
48) Methyl methacrylate	9.44	41	39780	21.354	ug/l	98
49) 1,4-Dioxane	9.46	88	10413	431.778	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	221611	107.987	ug/l	100
52) Toluene	10.39	92	147191	20.093	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	82627	20.429	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	91203	19.712	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	45376	20.564	ug/l	95
56) Ethyl methacrylate	10.65	69	58983	20.533	ug/l	96
57) 1,3-Dichloropropane	10.94	76	80061	20.884	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	147272	112.506	ug/l	100
59) 2-Hexanone	10.98	43	154618	106.897	ug/l	99
60) Dibromochloromethane	11.13	129	52028	20.247	ug/l	98
61) 1,2-Dibromoethane	11.24	107	45002	21.434	ug/l	99
64) Tetrachloroethene	10.87	164	52579	19.322	ug/l	98
65) Chlorobenzene	11.66	112	164762	19.538	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	56085	19.138	ug/l	99
67) Ethyl Benzene	11.74	91	286663	19.351	ug/l	98
68) m/p-Xylenes	11.85	106	218828	38.649	ug/l	99
69) o-Xylene	12.17	106	103855	19.774	ug/l	98
70) Styrene	12.19	104	173649	19.794	ug/l	99
71) Bromoform	12.35	173	32771	19.806	ug/l #	99
73) Isopropylbenzene	12.47	105	280230	19.446	ug/l	100
74) N-amyl acetate	12.28	43	78020	20.778	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	57091	20.485	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	74907	36.998	ug/l #	100
77) Bromobenzene	12.75	156	67073	19.451	ug/l	99
78) n-propylbenzene	12.81	91	346953	19.625	ug/l	100
79) 2-Chlorotoluene	12.90	91	199414	19.999	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	238795	19.691	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	18303	19.996	ug/l	98
82) 4-Chlorotoluene	12.99	91	210000	19.625	ug/l	99
83) tert-Butylbenzene	13.21	119	201440	19.785	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	244491	19.595	ug/l	98
85) sec-Butylbenzene	13.39	105	300189	19.871	ug/l	99
86) p-Isopropyltoluene	13.51	119	260579	19.665	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	134414	19.516	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	134874	19.527	ug/l	99
89) n-Butylbenzene	13.83	91	254419	19.531	ug/l	100
90) Hexachloroethane	14.10	117	46267	18.941	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	121416	19.787	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10565	21.319	ug/l	96

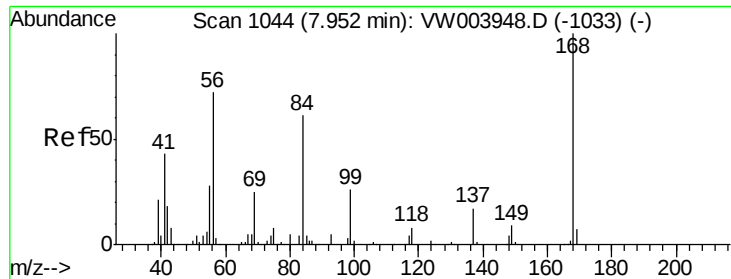
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Quant Title : SW846 8260
QLast Update : Mon Jul 16 15:06:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	89455	20.757	ug/l	97
94) Hexachlorobutadiene	15.25	225	47843	19.333	ug/l	100
95) Naphthalene	15.38	128	178119	22.393	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	79278	20.777	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

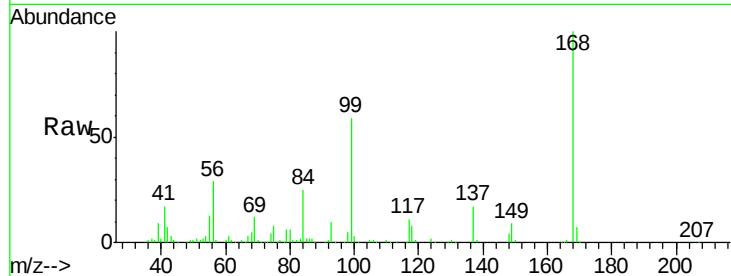
ClientSampleId :

Tot Ion:168 Resp: 258200

Ion Ratio Lower Upper

168 100

99 59.2 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

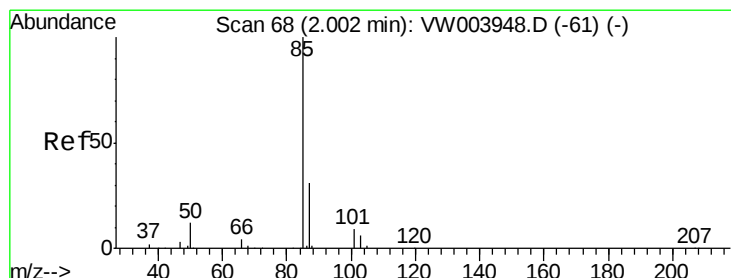
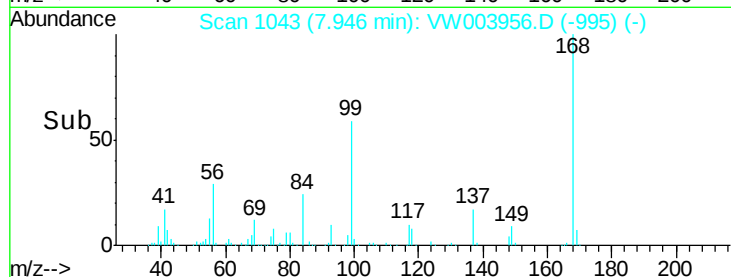
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 21.624 ug/l

RT: 2.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VW003956.D

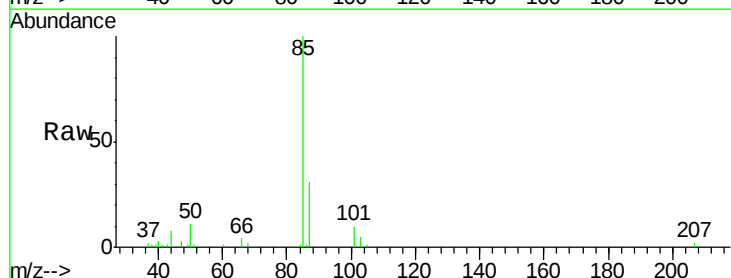
Acq: 16 Jul 2018 17:31

Tgt Ion: 85 Resp: 31354

Ion Ratio Lower Upper

85 100

87 30.7 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

12000

10000

8000

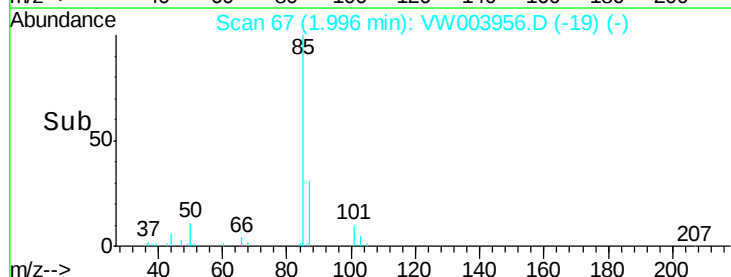
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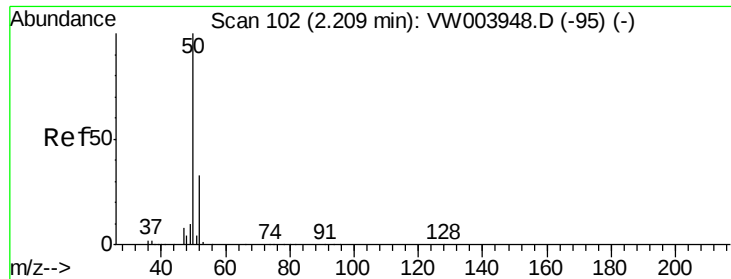
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 21.320 ug/l

RT: 2.20 min Scan# 101

Delta R.T. -0.01 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

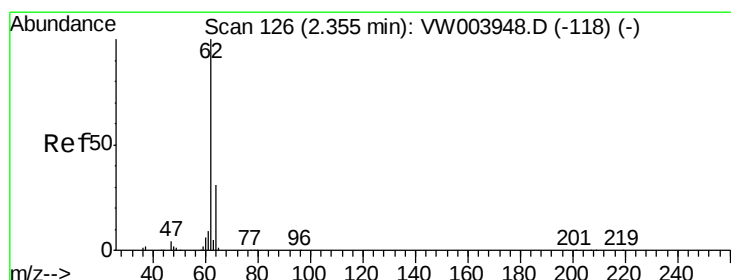
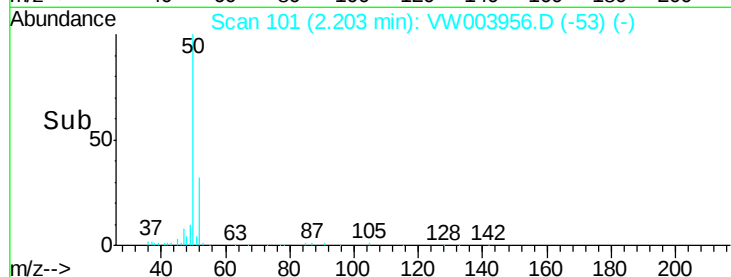
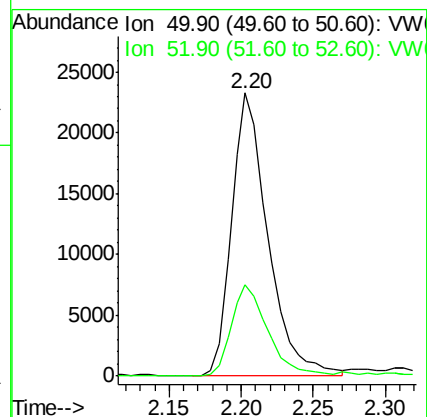
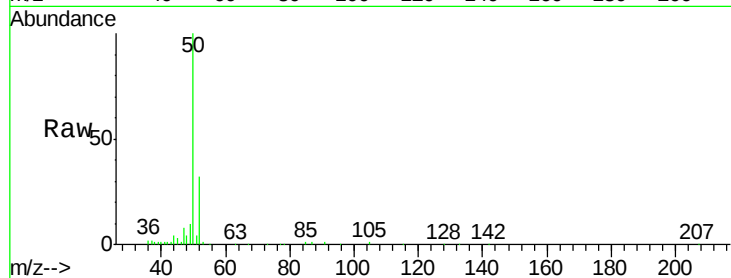
ClientSampled :

Tot Ion: 50 Resp: 40689

Ion Ratio Lower Upper

50 100

52 32.4 26.3 39.5



#4

Vinyl Chloride

Concen: 21.002 ug/l

RT: 2.35 min Scan# 125

Delta R.T. -0.01 min

Lab File: VW003956.D

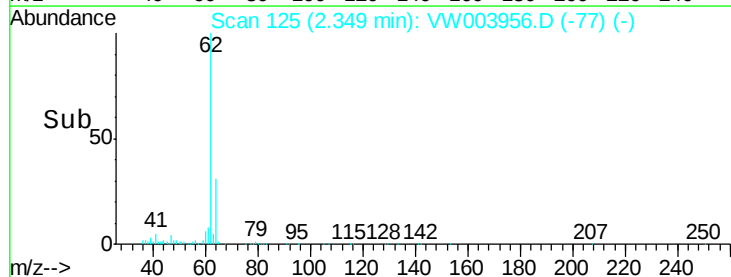
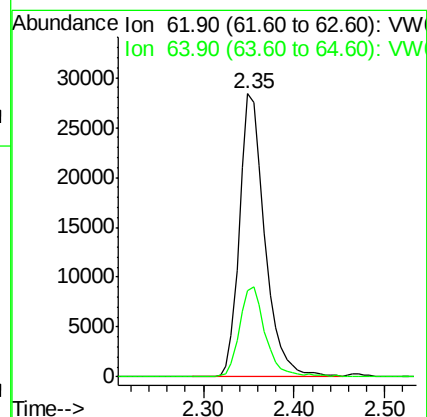
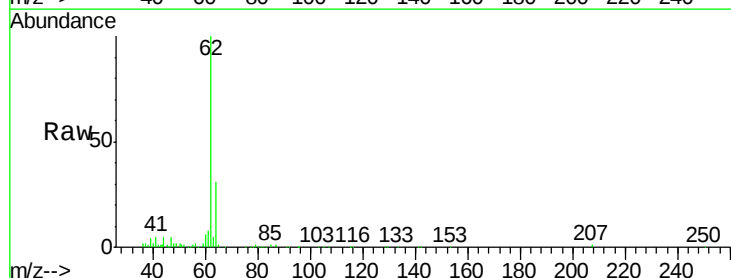
Acq: 16 Jul 2018 17:31

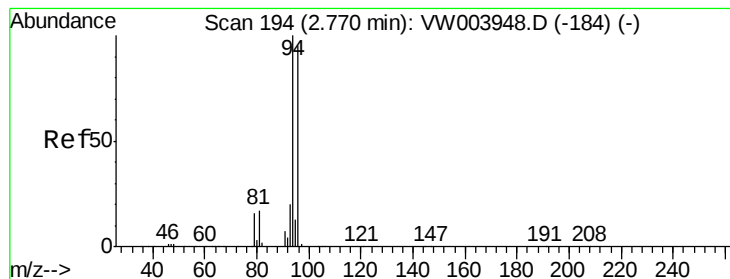
Tgt Ion: 62 Resp: 55134

Ion Ratio Lower Upper

62 100

64 30.4 25.0 37.6





#5

Bromomethane

Concen: 21.065 ug/l

RT: 2.76 min Scan# 192

Delta R.T. -0.01 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

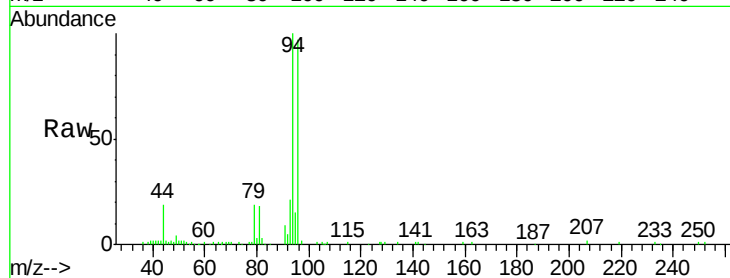
ClientSampleId :

Tot Ion: 94 Resp: 34562

Ion Ratio Lower Upper

94 100

96 96.5 75.8 113.6



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

15000

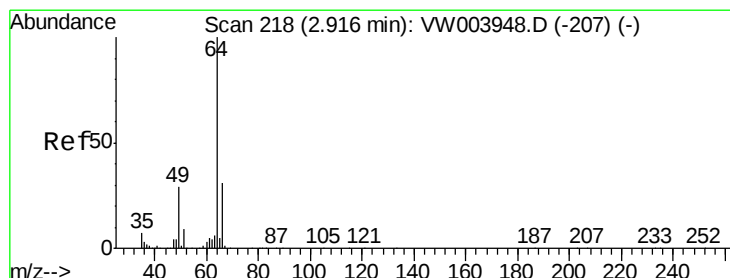
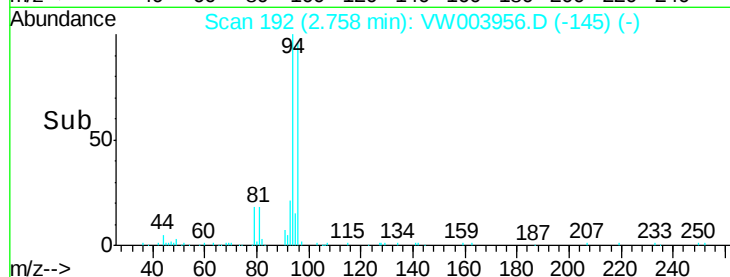
10000

5000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 20.320 ug/l

RT: 2.91 min Scan# 217

Delta R.T. -0.01 min

Lab File: VW003956.D

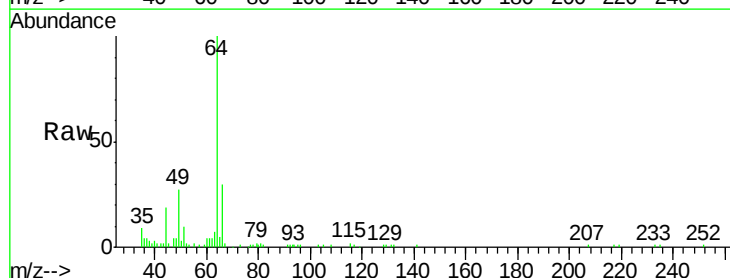
Acq: 16 Jul 2018 17:31

Tgt Ion: 64 Resp: 30308

Ion Ratio Lower Upper

64 100

66 29.4 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

12000

10000

8000

6000

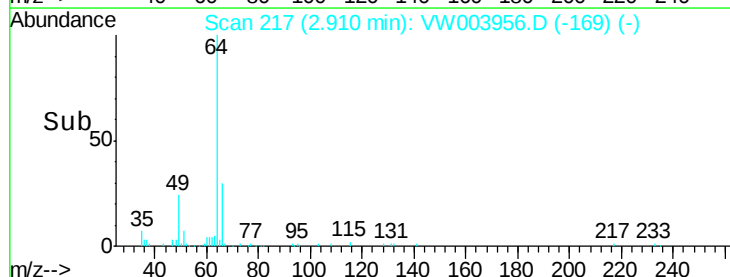
4000

2000

0

Time-->

2.80 2.90 3.00



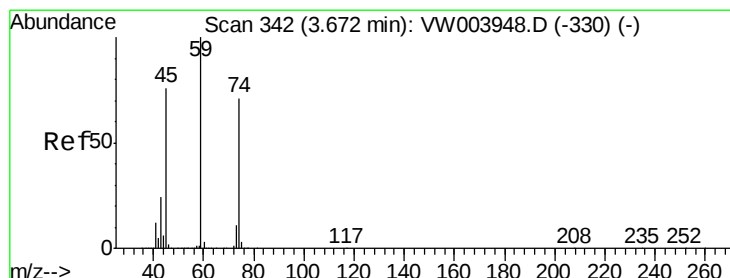
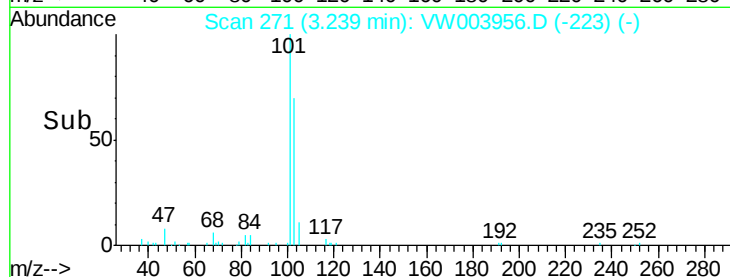
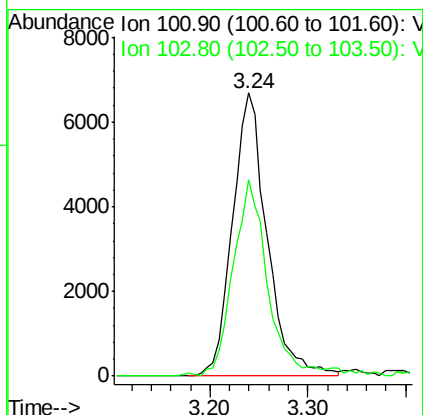
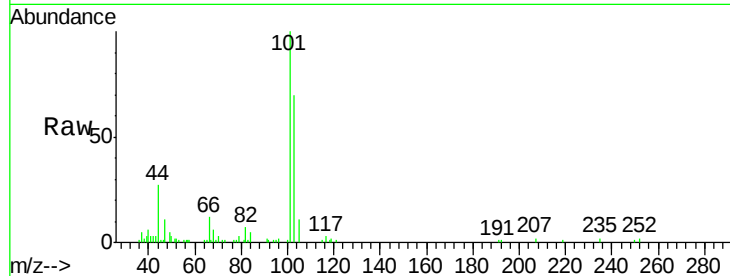


#7

Trichlorofluoromethane
 Concen: 14.888 ug/l
 RT: 3.24 min Scan# 271
 Delta R.T. -0.01 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Instrument :
 MSVOA_W
 ClientSampleId :

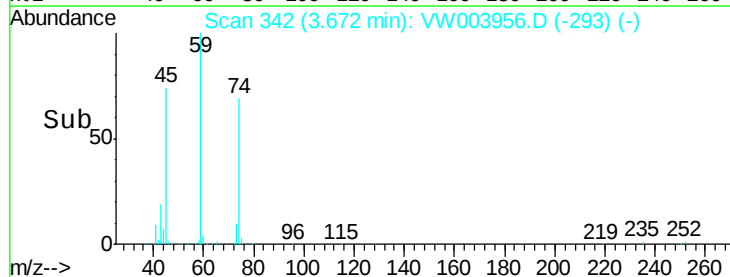
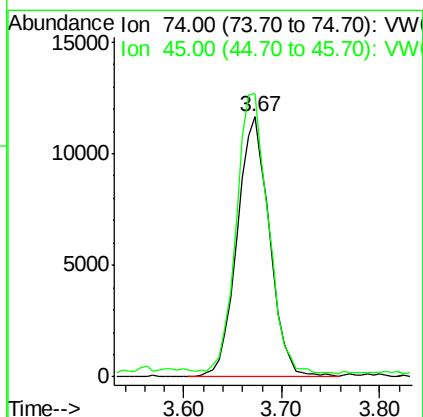
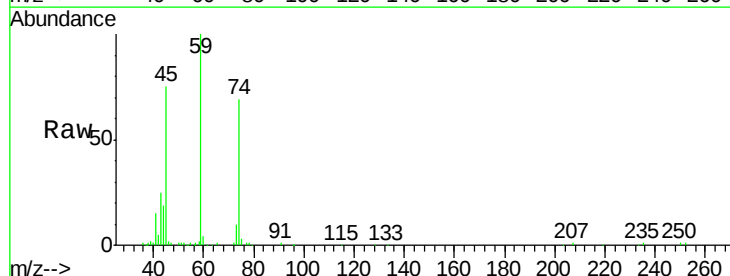
Tot Ion:101 Resp: 16408
 Ion Ratio Lower Upper
 101 100
 103 68.7 49.0 73.6

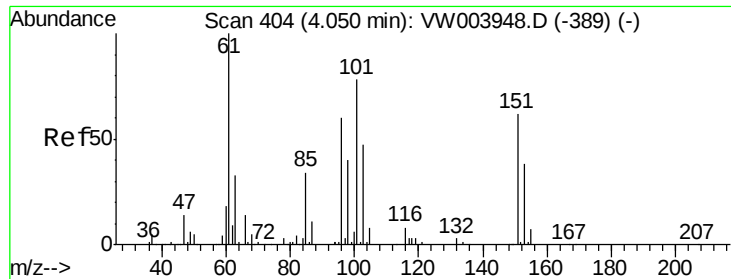


#8

Diethyl Ether
 Concen: 20.936 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion: 74 Resp: 26783
 Ion Ratio Lower Upper
 74 100
 45 105.3 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.110 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

ClientSampleId :

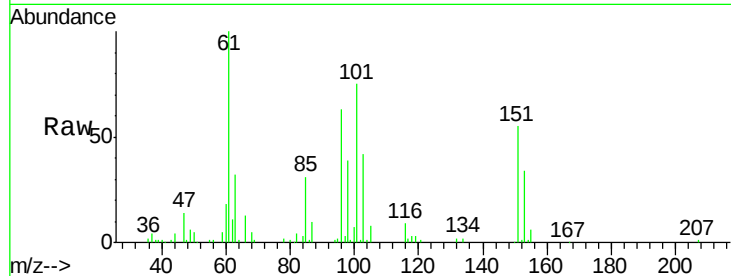
Tot Ion:101 Resp: 51143

Ion Ratio Lower Upper

101 100

85 44.6 35.8 53.6

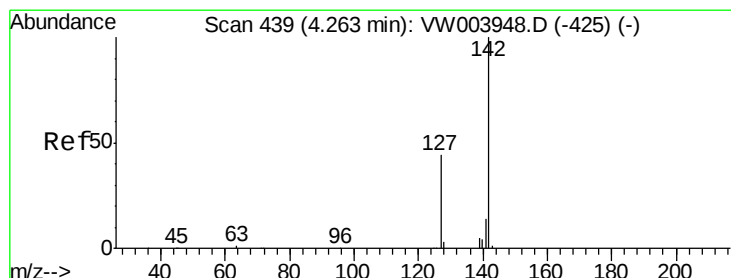
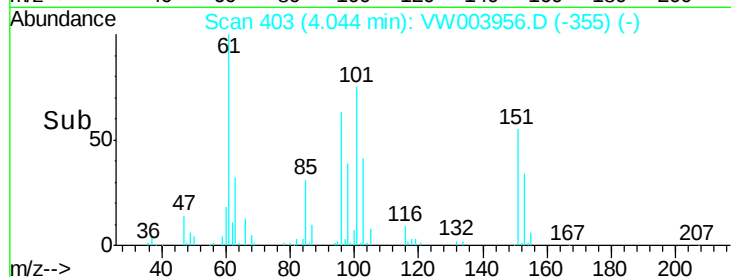
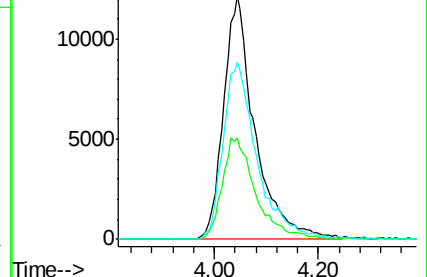
151 78.5 63.6 95.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.345 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.01 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

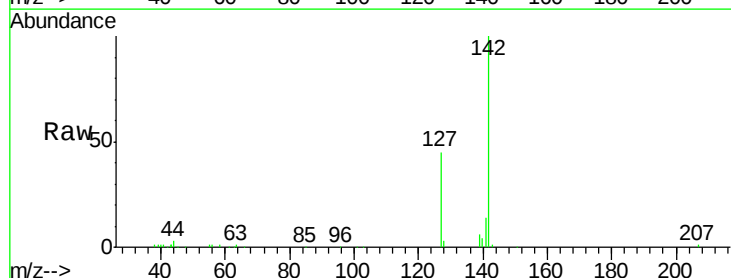
Tgt Ion:142 Resp: 70659

Ion Ratio Lower Upper

142 100

127 45.1 35.4 53.2

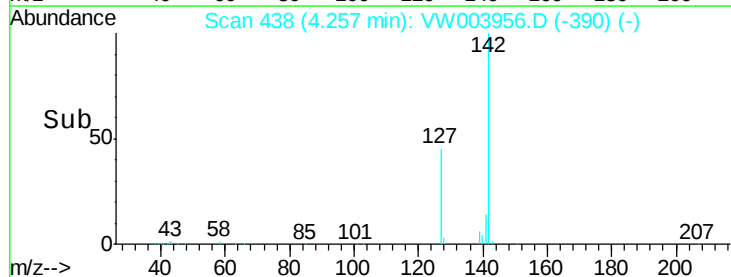
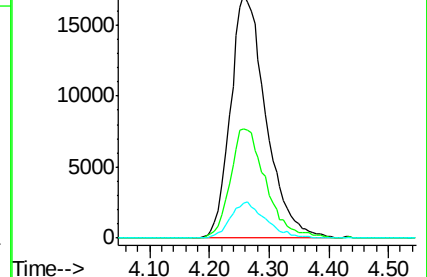
141 14.8 11.7 17.5

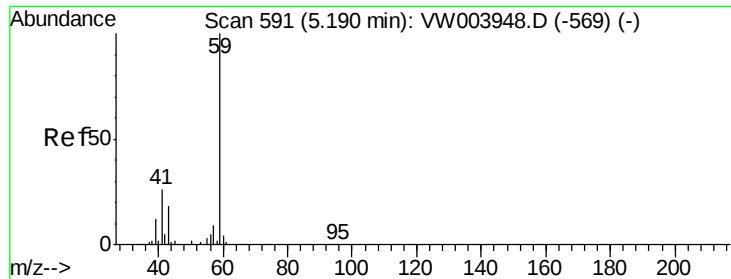


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



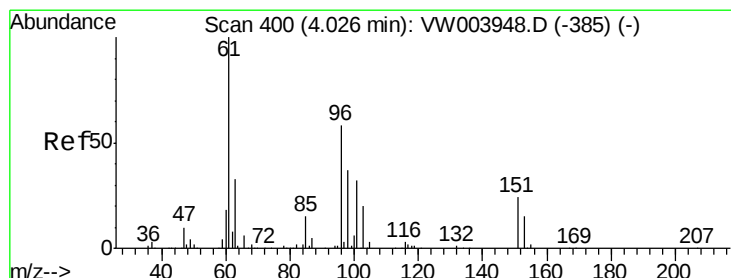
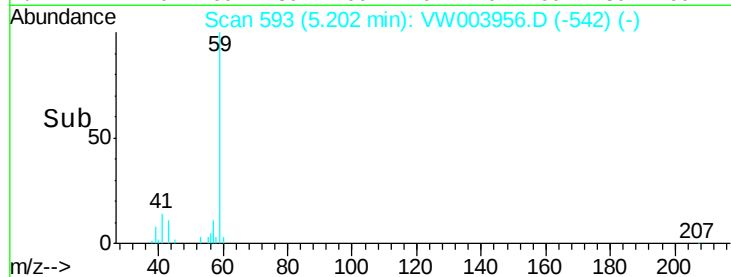
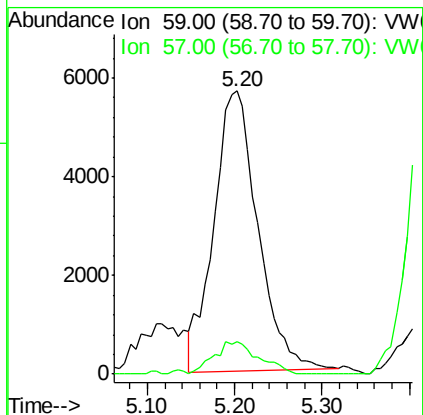
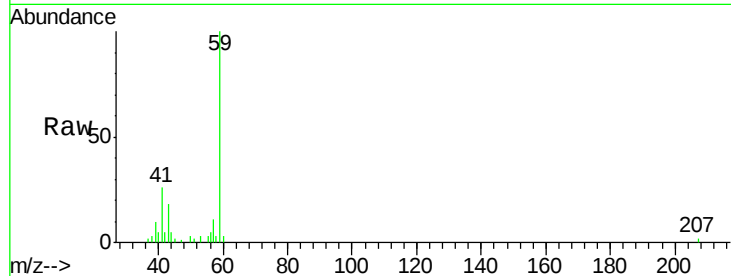


#11

Tert butyl alcohol
Concen: 99.674 ug/l
RT: 5.20 min Scan# 593
Delta R.T. 0.01 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Instrument :
MSVOA_W
ClientSampleId :

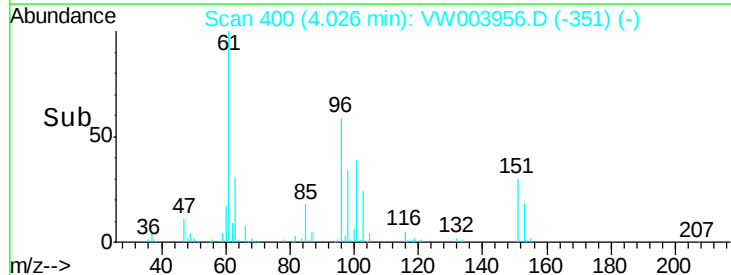
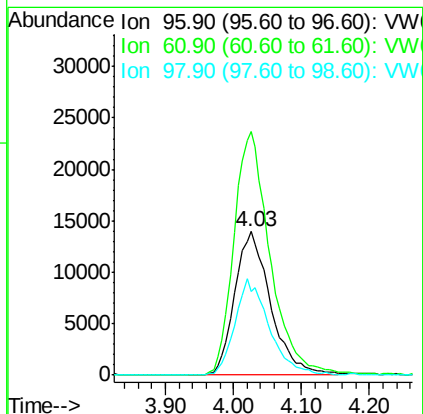
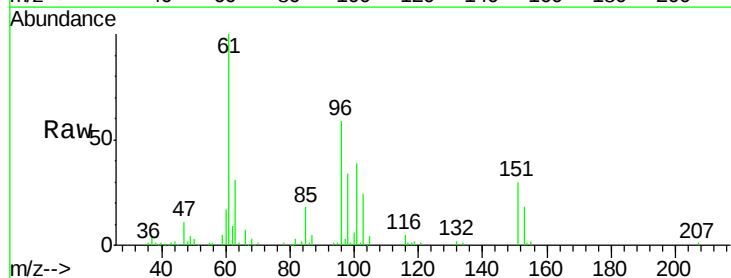
Tot Ion: 59 Resp: 19859
Ion Ratio Lower Upper
59 100
57 11.9 8.5 12.7

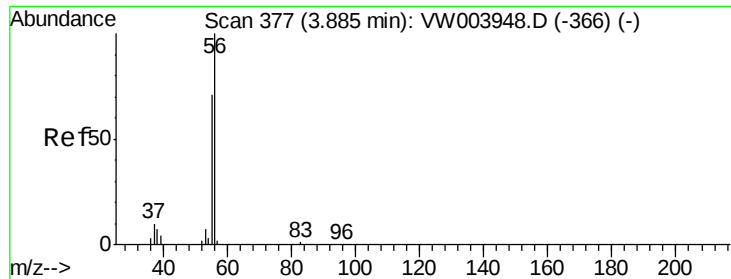


#12

1,1-Dichloroethene
Concen: 20.412 ug/l
RT: 4.03 min Scan# 400
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion: 96 Resp: 51219
Ion Ratio Lower Upper
96 100
61 169.5 137.0 205.6
98 57.8 50.2 75.4





#13

Acrolein

Concen: 104.437 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

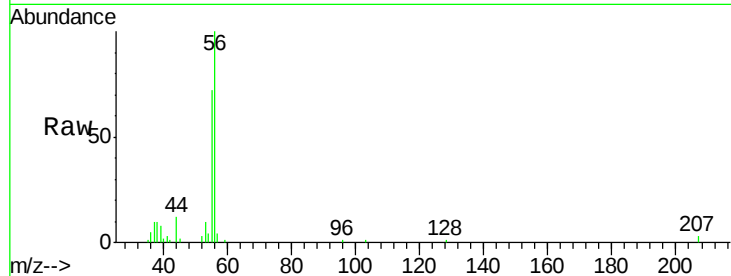
ClientSampled :

Tot Ion: 56 Resp: 21380

Ion Ratio Lower Upper

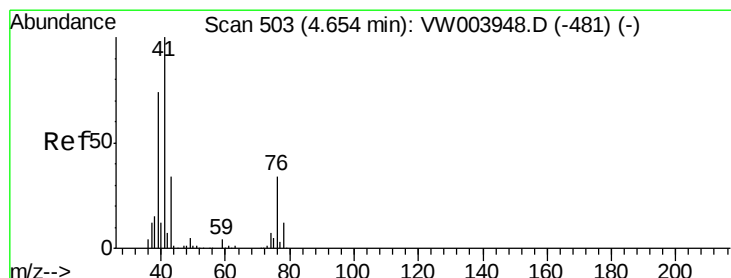
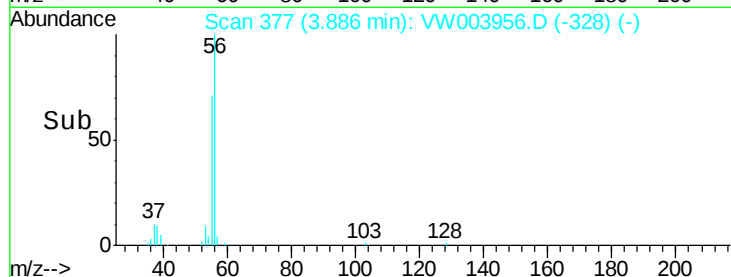
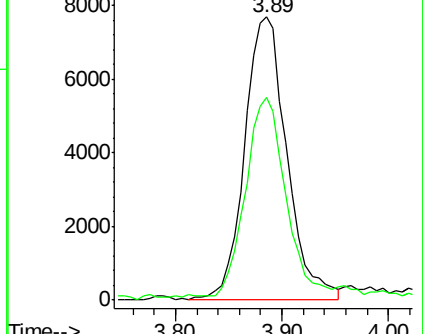
56 100

55 66.3 58.2 87.4



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 17.383 ug/l

RT: 4.65 min Scan# 503

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

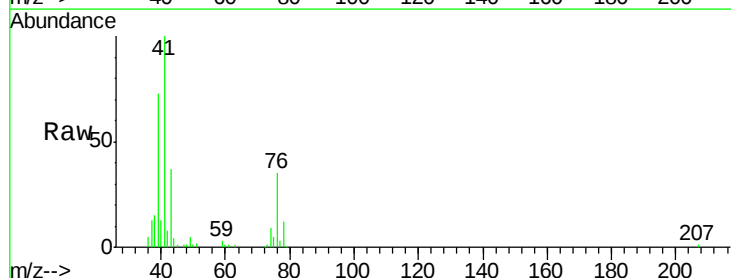
Tgt Ion: 41 Resp: 72001

Ion Ratio Lower Upper

41 100

39 70.7 57.0 85.4

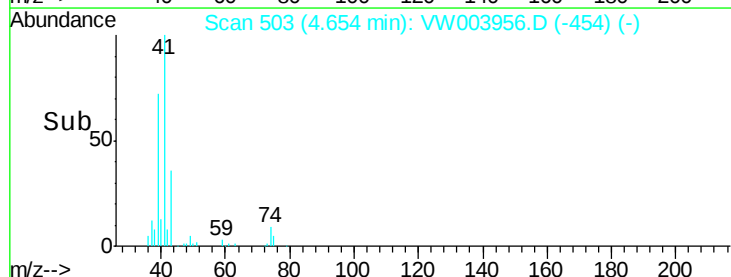
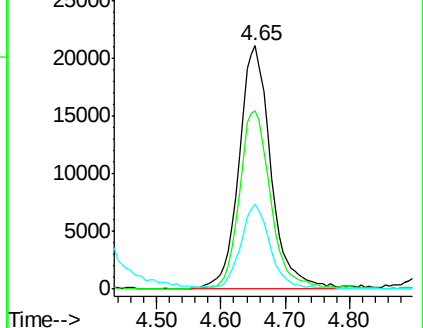
76 32.4 26.5 39.7

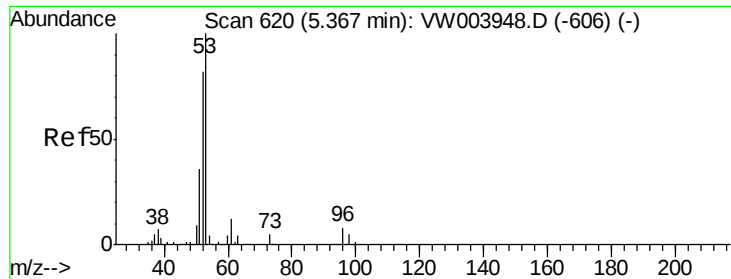


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 103.820 ug/l

RT: 5.37 min Scan# 620

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

ClientSampled :

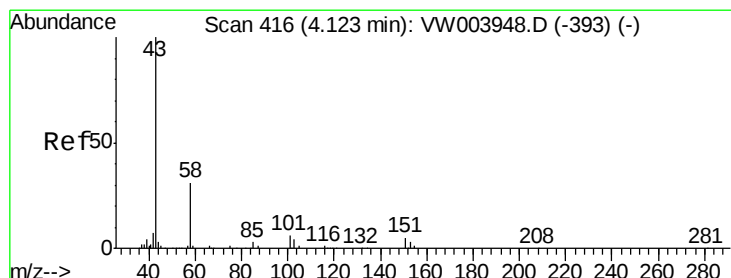
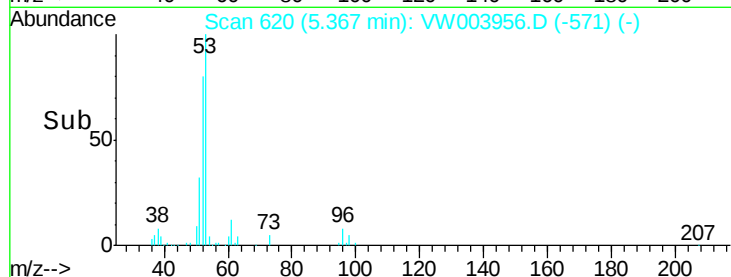
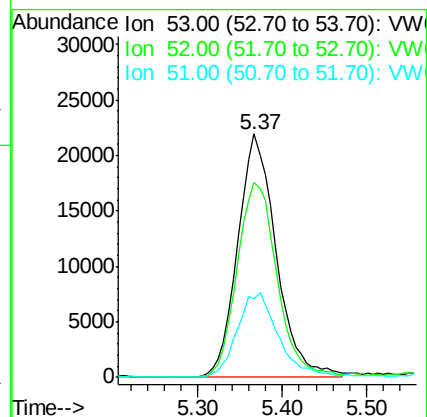
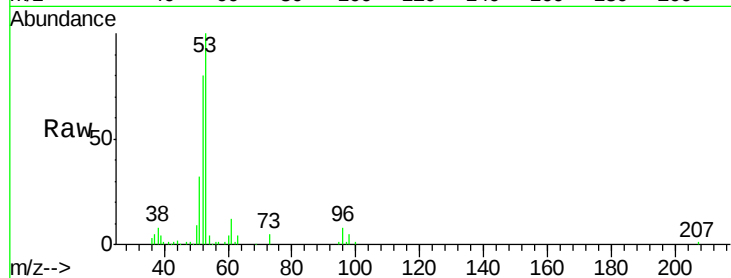
Tot Ion: 53 Resp: 68056

Ion Ratio Lower Upper

53 100

52 83.1 66.1 99.1

51 37.2 29.8 44.6



#16

Acetone

Concen: 92.092 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW003956.D

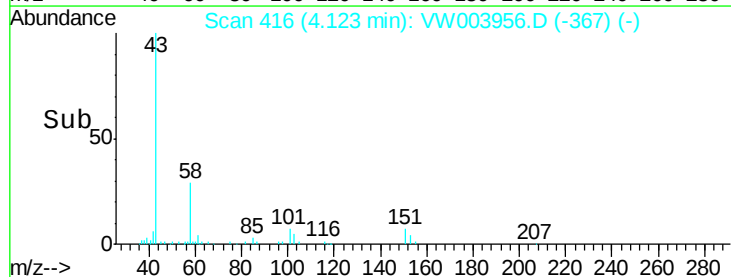
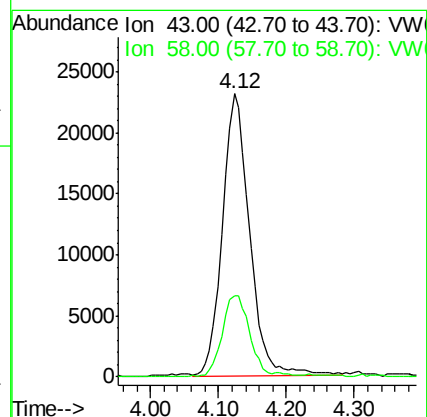
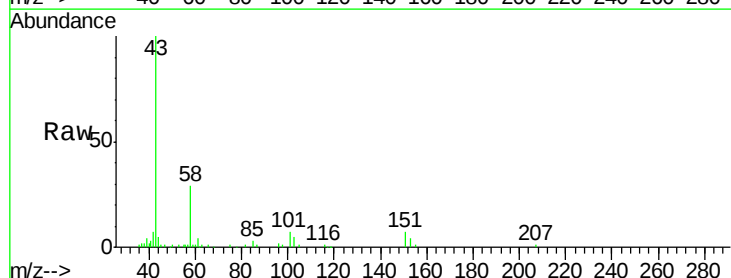
Acq: 16 Jul 2018 17:31

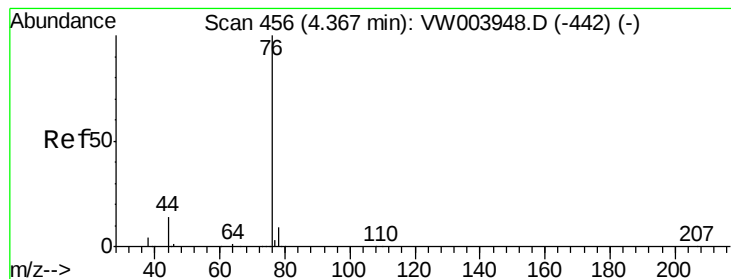
Tgt Ion: 43 Resp: 63870

Ion Ratio Lower Upper

43 100

58 28.5 24.5 36.7





#17

Carbon Disulfide

Concen: 19.911 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

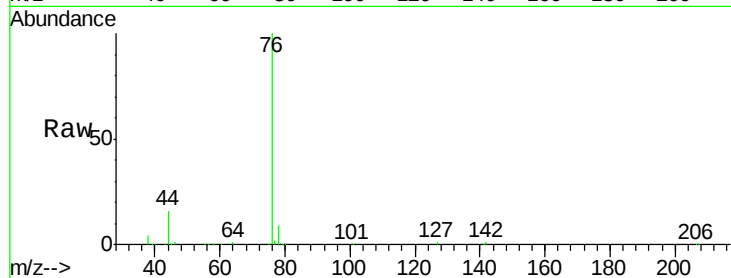
ClientSampleId :

Tot Ion: 76 Resp: 155950

Ion Ratio Lower Upper

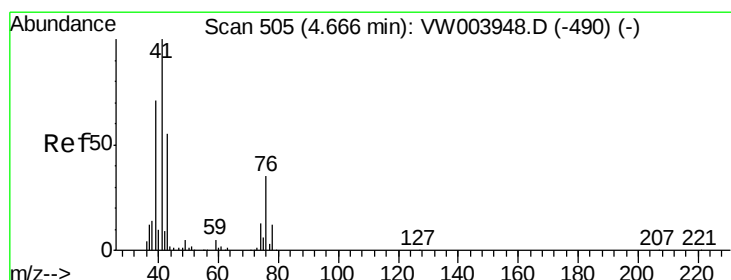
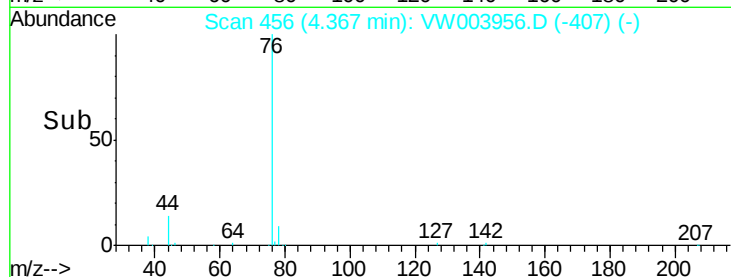
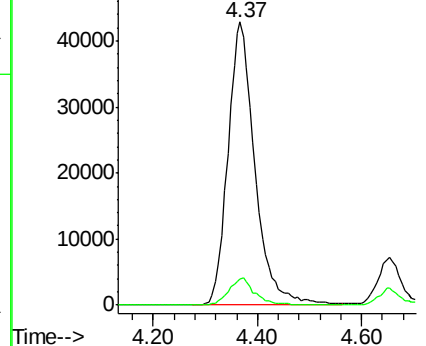
76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 20.231 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.00 min

Lab File: VW003956.D

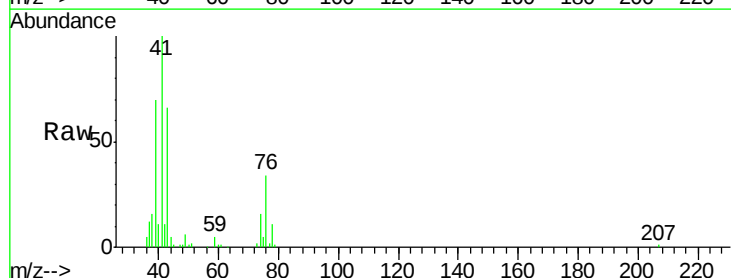
Acq: 16 Jul 2018 17:31

Tgt Ion: 43 Resp: 33681

Ion Ratio Lower Upper

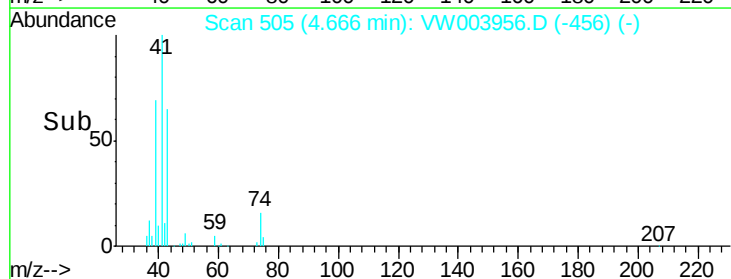
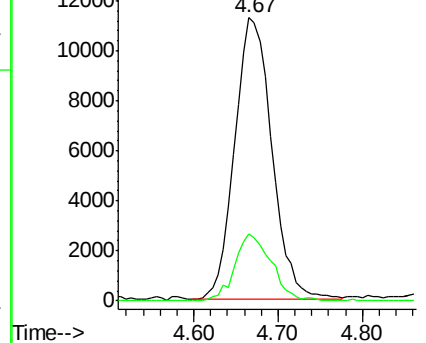
43 100

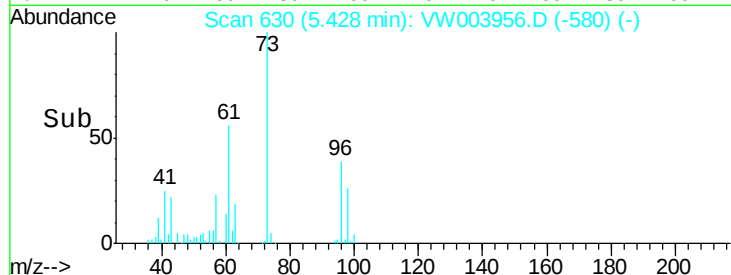
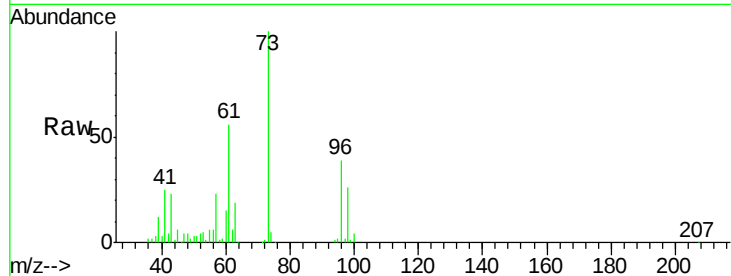
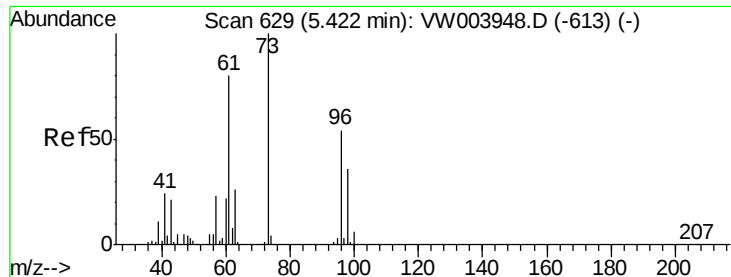
74 23.5 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

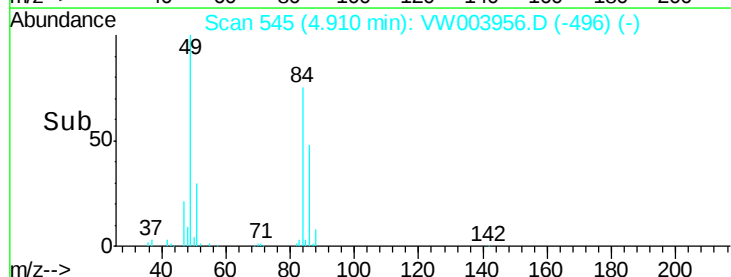
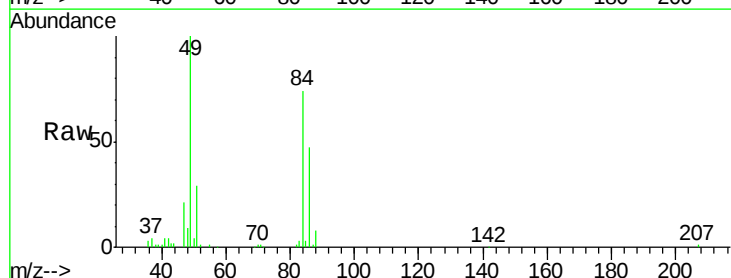
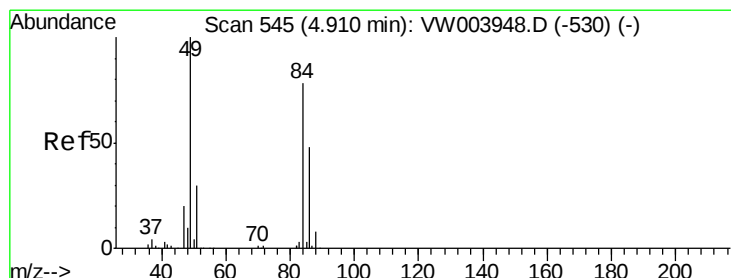
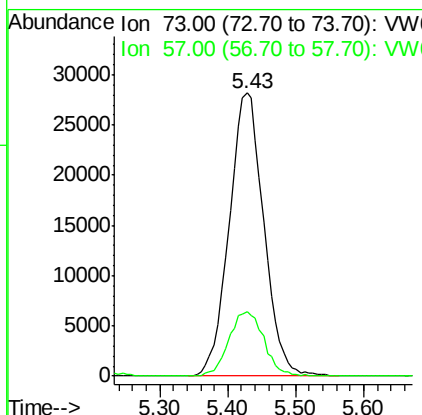
Ion 74.00 (73.70 to 74.70): VW





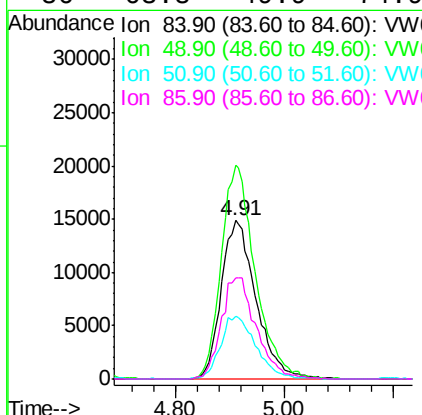
#19
Methyl tert-butyl Ether
Concen: 20.689 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

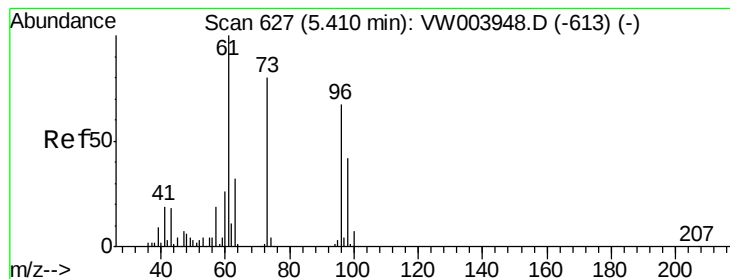
Tot Ion: 73 Resp: 99495
Ion Ratio Lower Upper
73 100
57 22.9 18.2 27.4



#20
Methylene Chloride
Concen: 16.314 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion: 84 Resp: 66168
Ion Ratio Lower Upper
84 100
49 134.7 102.9 154.3
51 39.5 30.9 46.3
86 63.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.102 ug/l

RT: 5.41 min Scan# 627

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :
MSVOA_W
ClientSampleId :

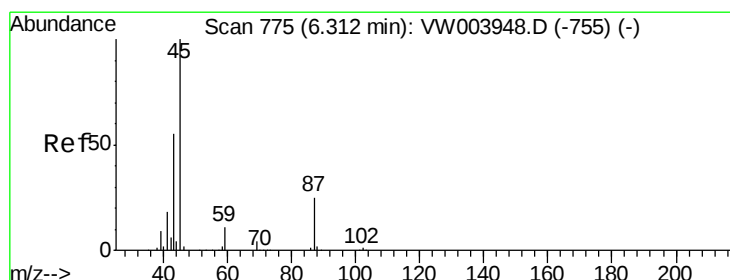
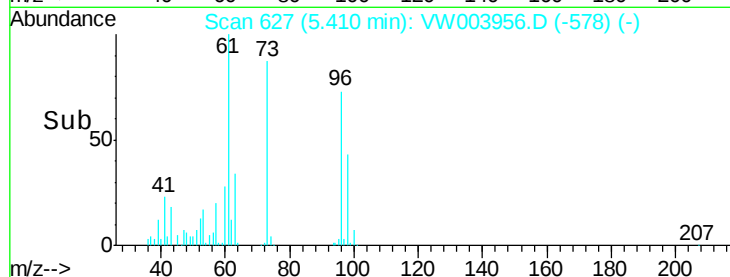
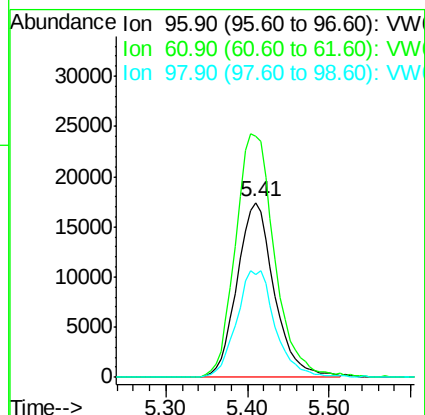
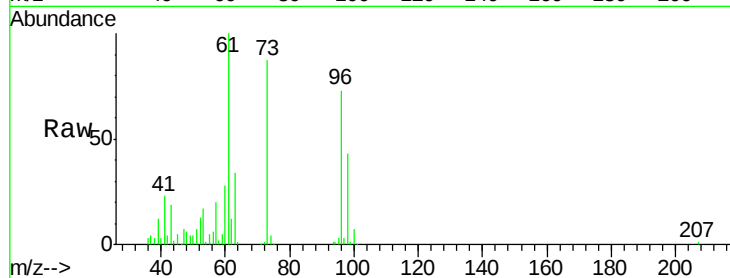
Tot Ion: 96 Resp: 55293

Ion Ratio Lower Upper

96 100

61 137.6 119.0 178.4

98 58.8 49.9 74.9



#22

Diisopropyl ether

Concen: 20.880 ug/l

RT: 6.32 min Scan# 776

Delta R.T. 0.01 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Tgt Ion: 45 Resp: 174788

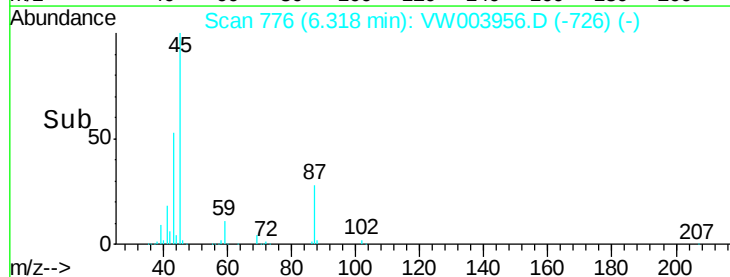
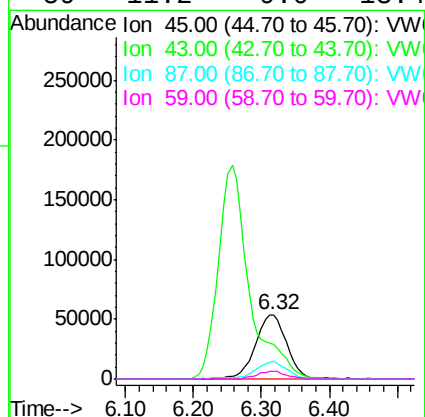
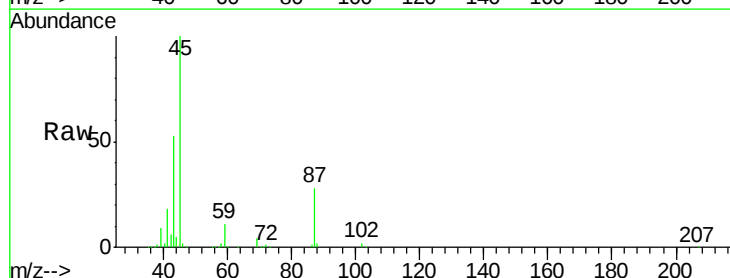
Ion Ratio Lower Upper

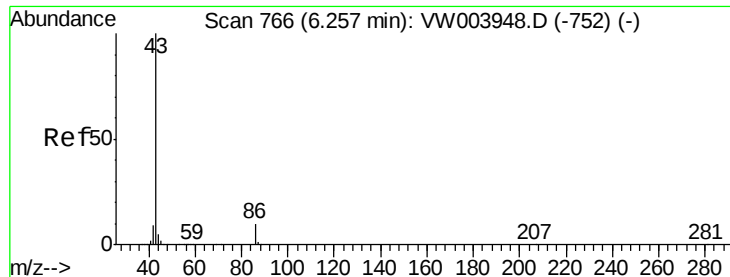
45 100

43 52.4 44.3 66.5

87 27.3 20.2 30.4

59 11.2 9.0 13.4

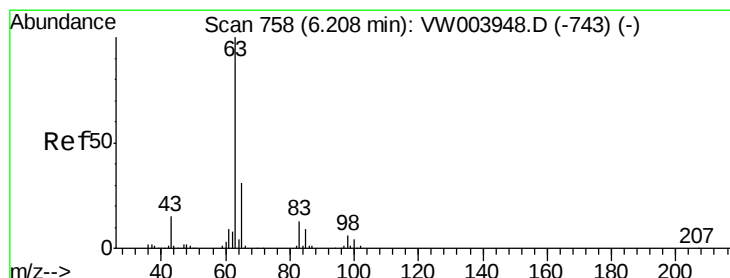
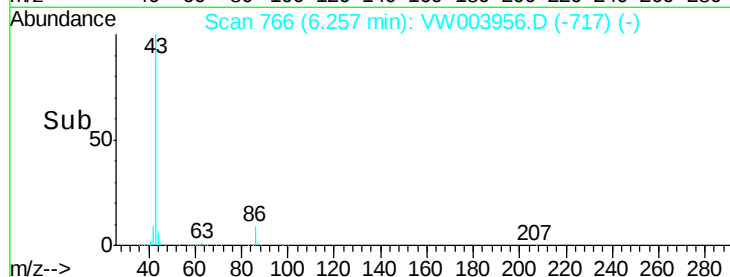
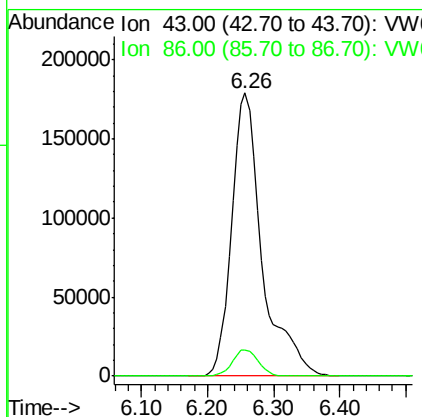
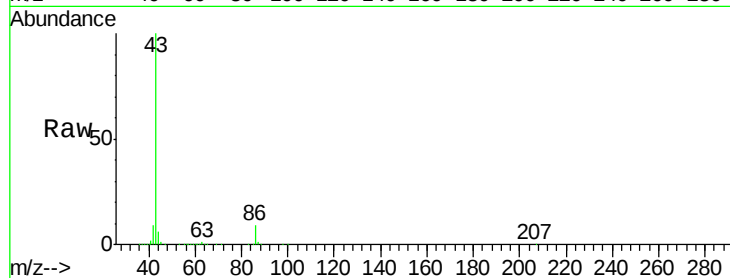




#23
 Vinyl Acetate
 Concen: 107.874 ug/l
 RT: 6.26 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

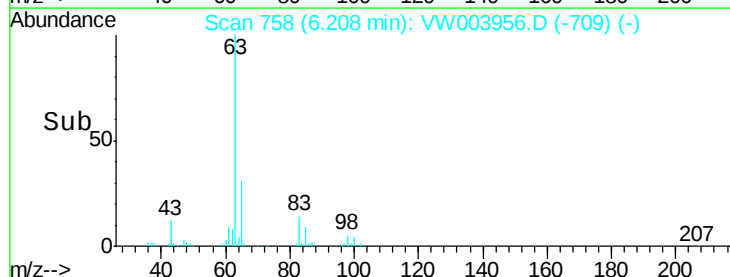
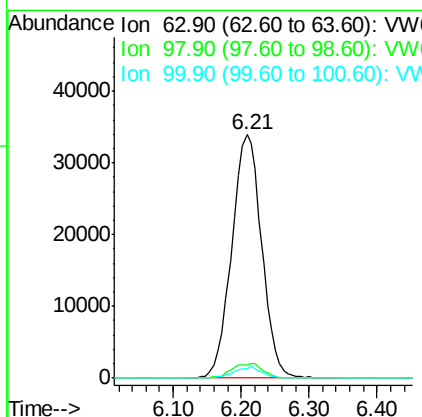
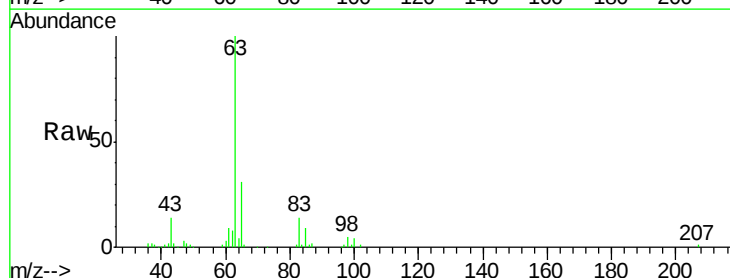
Instrument :
 MSVOA_W
 ClientSampled :

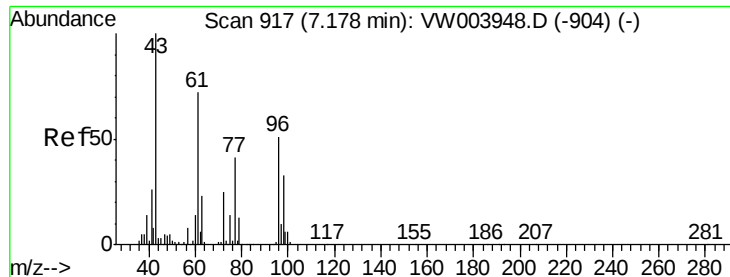
Tot Ion: 43 Resp: 572157
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 20.270 ug/l
 RT: 6.21 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion: 63 Resp: 103532
 Ion Ratio Lower Upper
 63 100
 98 5.4 3.1 9.4
 100 4.1 2.1 6.5





#25

2-Butanone

Concen: 108.826 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

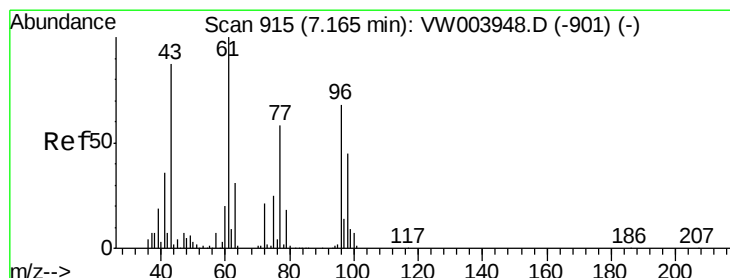
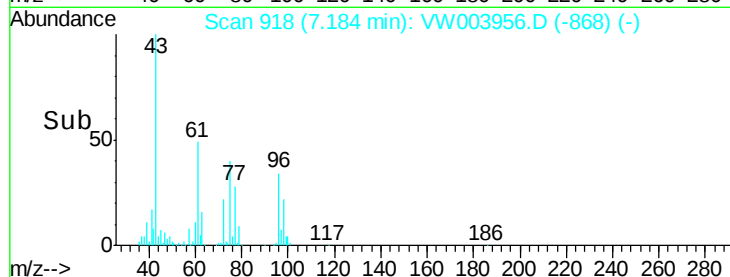
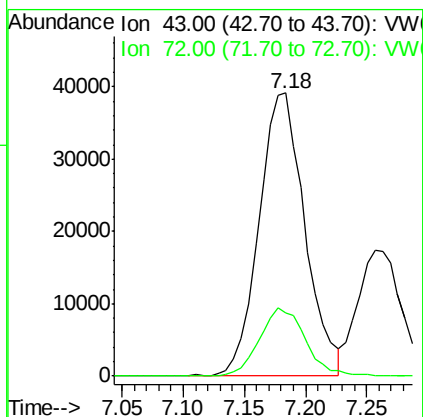
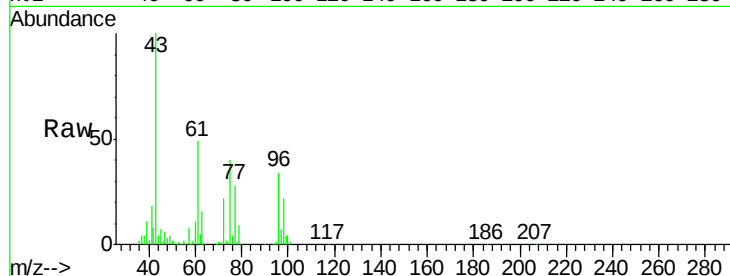
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 101568

Ion Ratio Lower Upper

43 100

72 22.2 19.8 29.6



#26

2,2-Dichloropropane

Concen: 19.113 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW003956.D

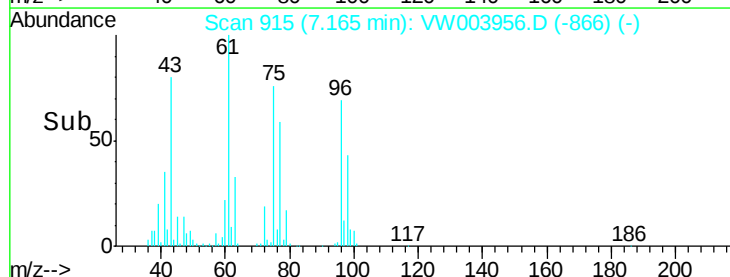
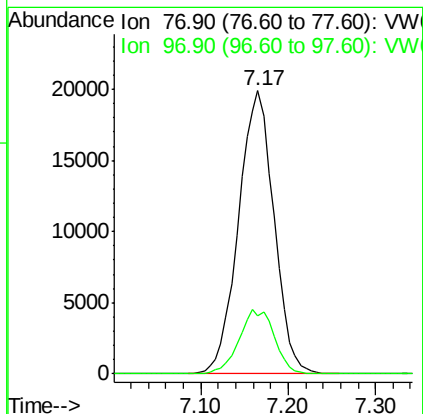
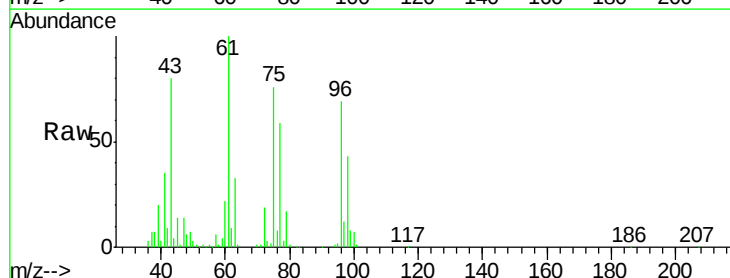
Acq: 16 Jul 2018 17:31

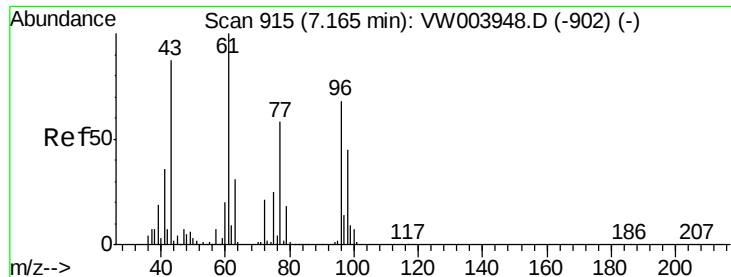
Tgt Ion: 77 Resp: 56037

Ion Ratio Lower Upper

77 100

97 22.8 11.8 35.3



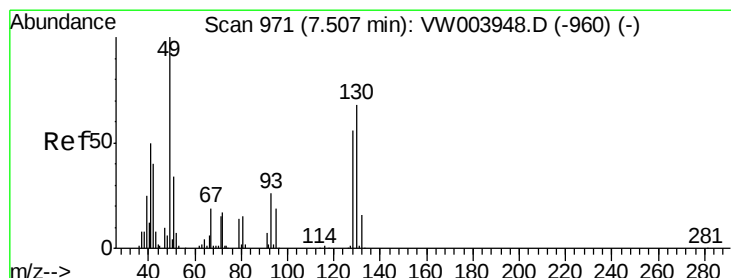
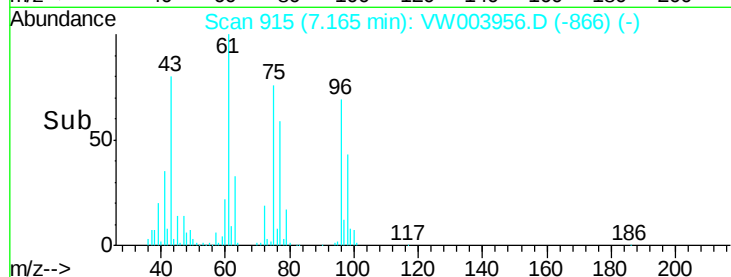
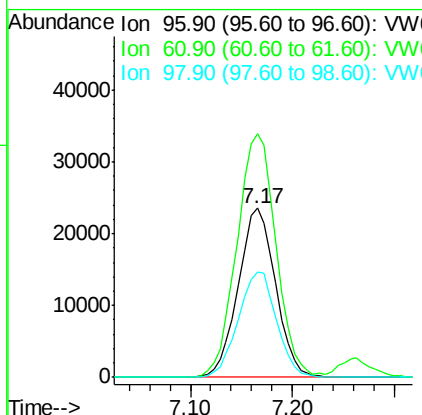
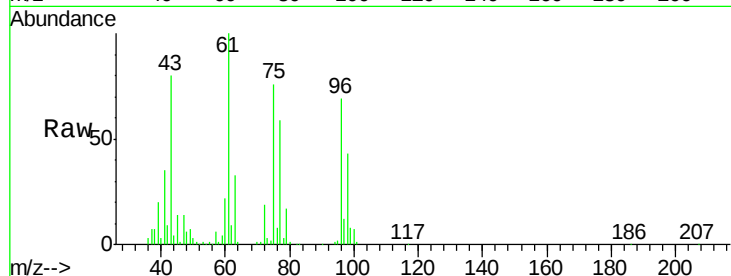


#27

cis-1,2-Dichloroethene
 Concen: 20.138 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Instrument :
 MSVOA_W
 ClientSampleId :

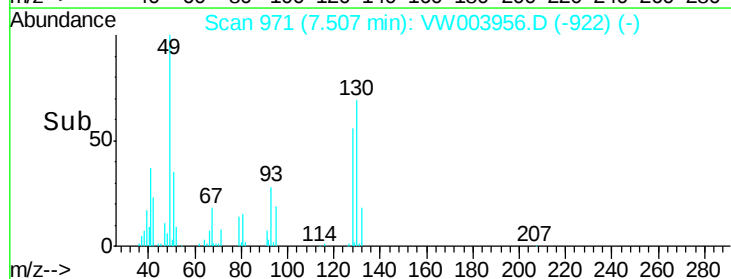
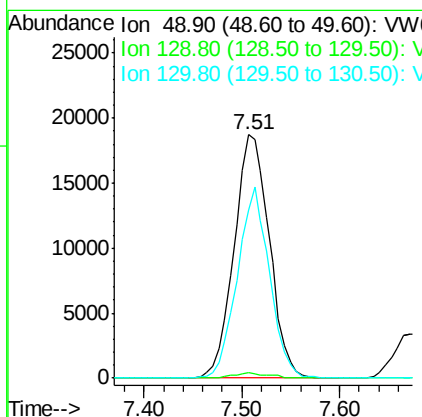
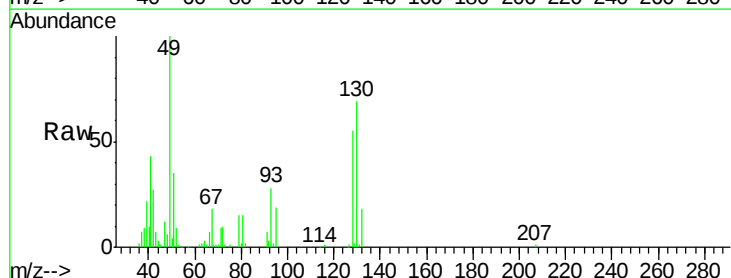
Tot Ion: 96 Resp: 59878
 Ion Ratio Lower Upper
 96 100
 61 150.9 0.0 298.6
 98 63.8 0.0 130.4

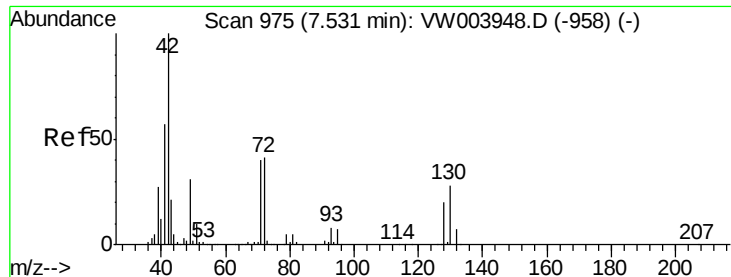


#28

Bromochloromethane
 Concen: 22.298 ug/l
 RT: 7.51 min Scan# 971
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion: 49 Resp: 46609
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 2.2
 130 71.8 58.3 87.5

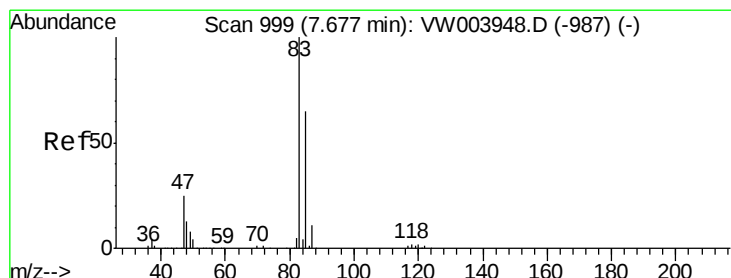
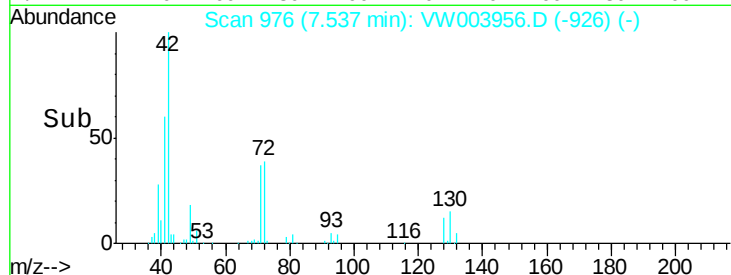
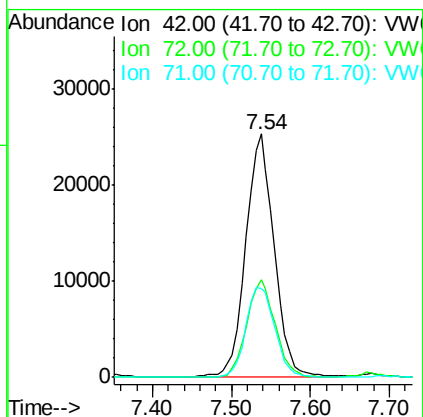
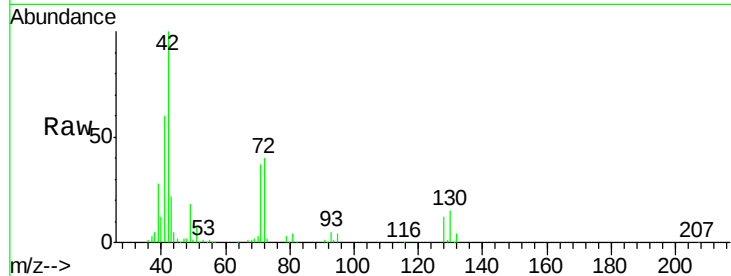




#29
Tetrahydrofuran
Concen: 108.427 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

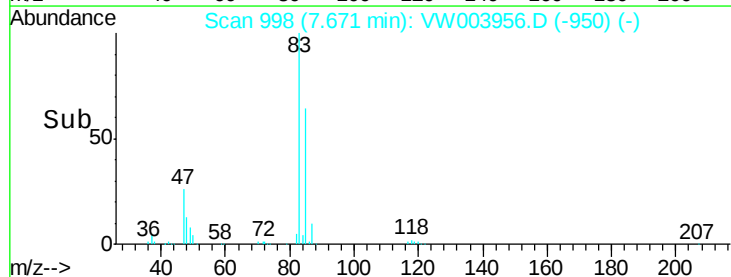
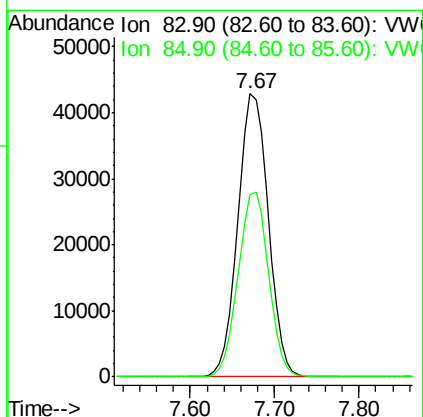
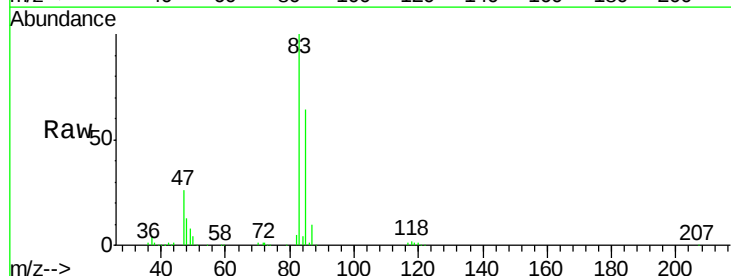
Instrument :
MSVOA_W
ClientSampled :

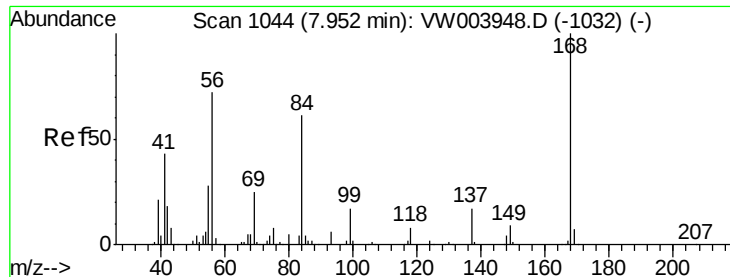
Tot Ion: 42 Resp: 63035
Ion Ratio Lower Upper
42 100
72 40.3 32.6 48.8
71 38.2 30.5 45.7



#30
Chloroform
Concen: 20.608 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion: 83 Resp: 104701
Ion Ratio Lower Upper
83 100
85 64.2 52.2 78.4

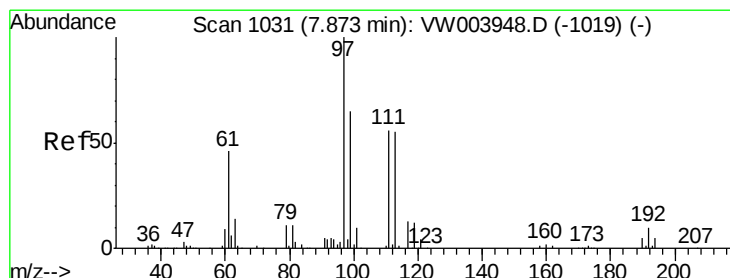
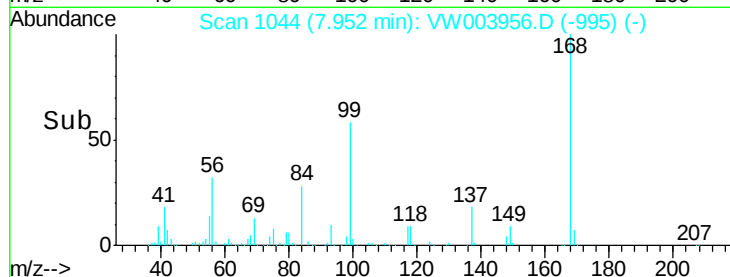
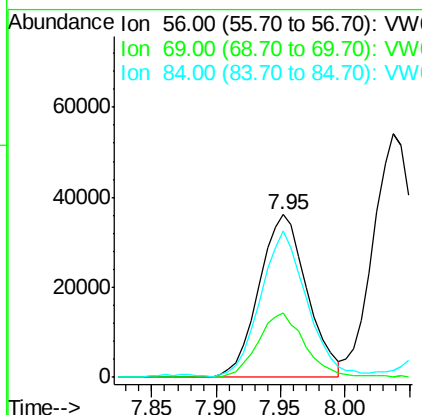
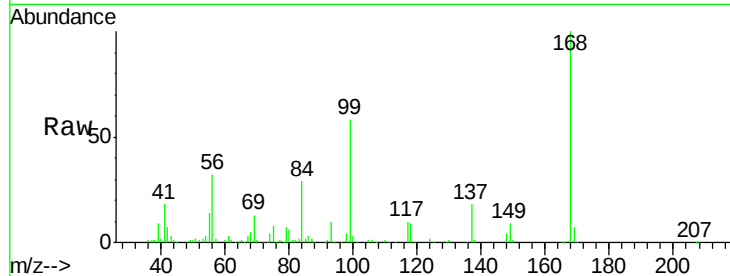




#31
Cyclohexane
Concen: 19.584 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

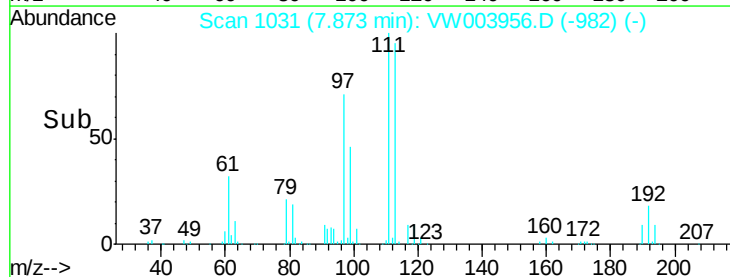
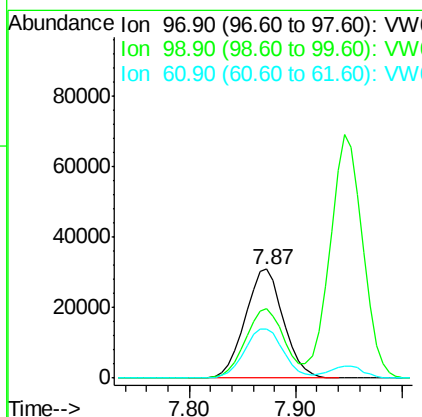
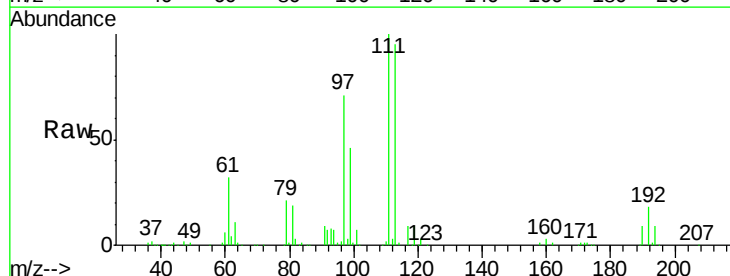
Instrument :
MSVOA_W
ClientSampleId :

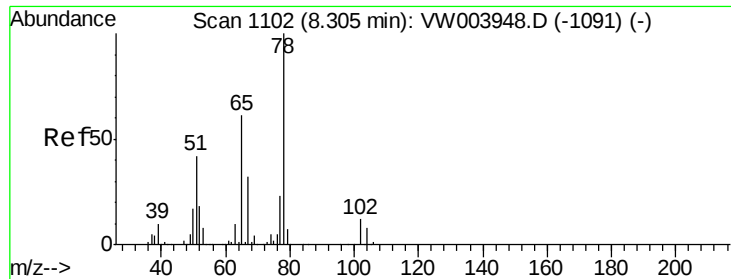
Tot Ion: 56 Resp: 93766
Ion Ratio Lower Upper
56 100
69 39.6 27.8 41.8
84 88.1 67.2 100.8



#32
1,1,1-Trichloroethane
Concen: 19.629 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion: 97 Resp: 77877
Ion Ratio Lower Upper
97 100
99 65.3 51.3 76.9
61 46.2 36.8 55.2

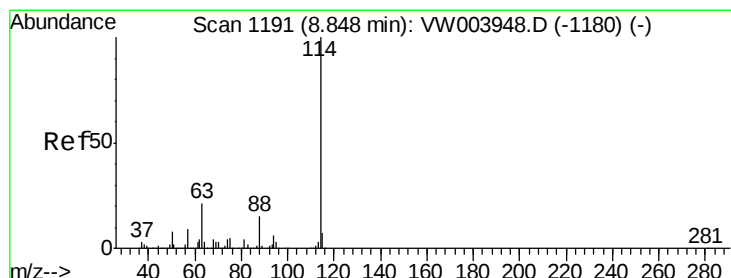
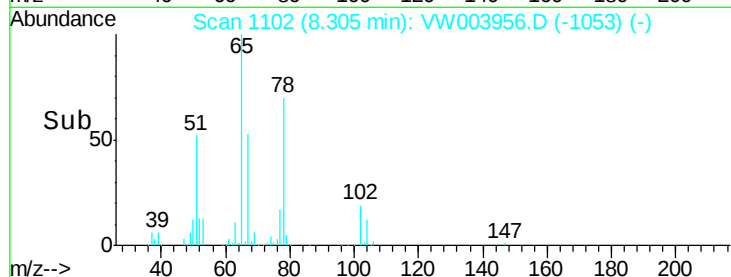
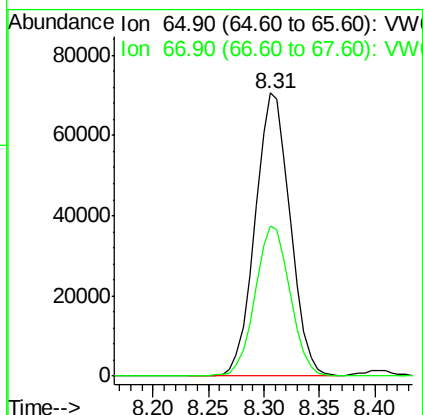
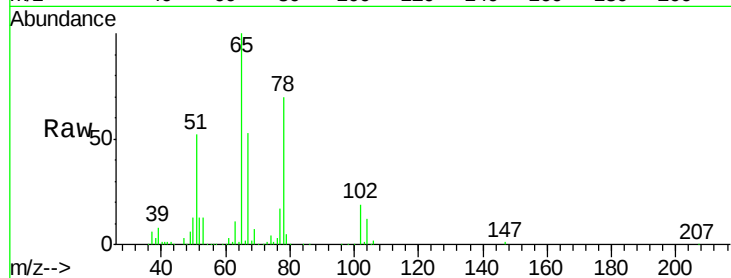




#33
 1,2-Dichloroethane-d4
 Concen: 53.549 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

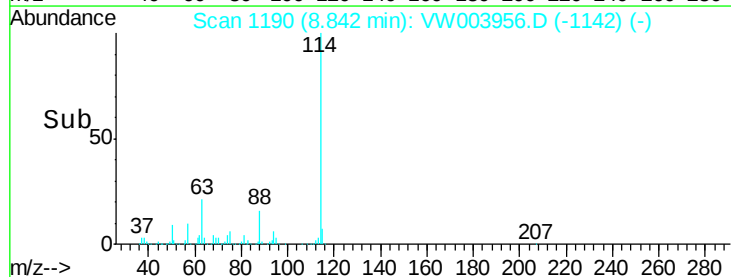
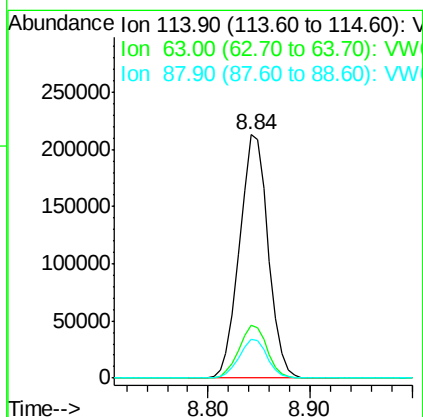
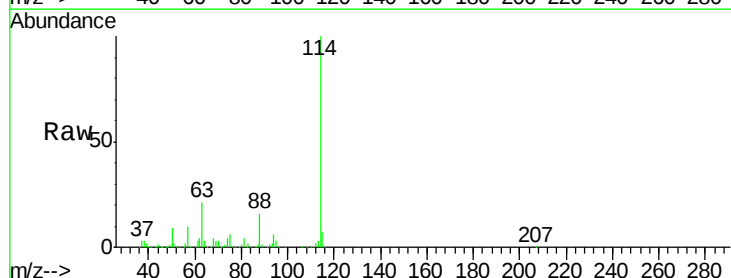
Instrument :
 MSVOA_W
 ClientSampleId :

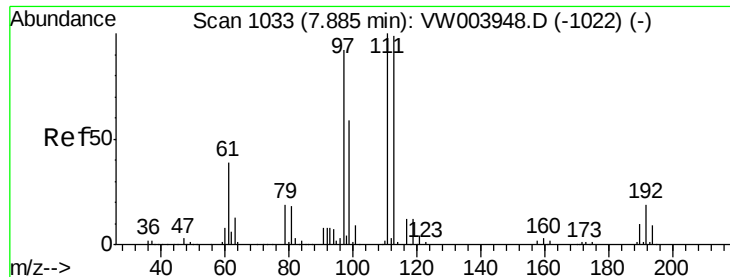
Tot Ion: 65 Resp: 154551
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion: 114 Resp: 415011
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 42.8
 88 16.1 0.0 30.4

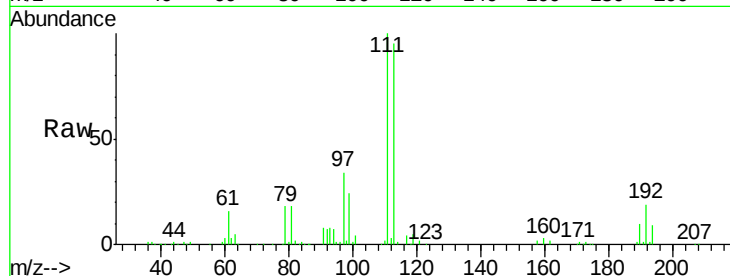




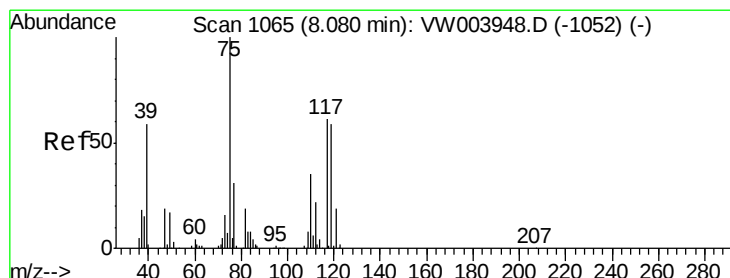
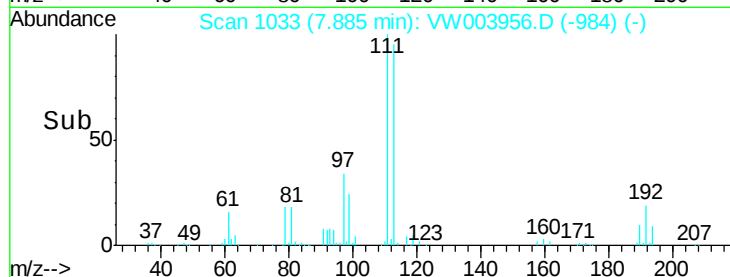
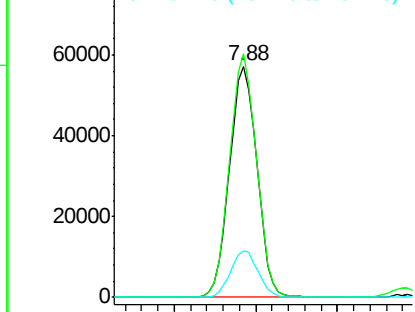
#35
 Dibromofluoromethane
 Concen: 49.858 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.3	121.9
192	20.0	15.8	23.6

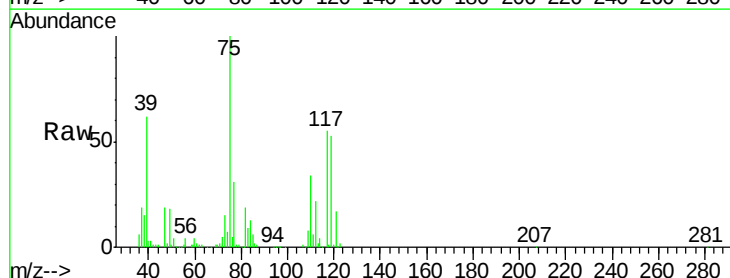


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

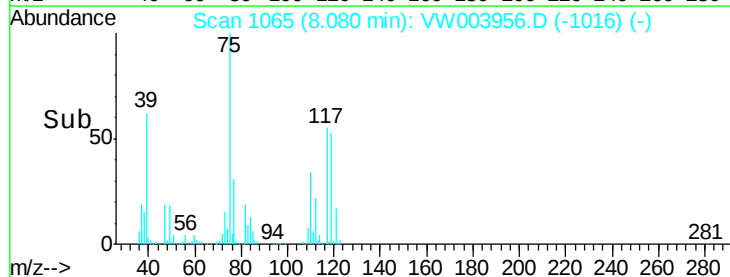
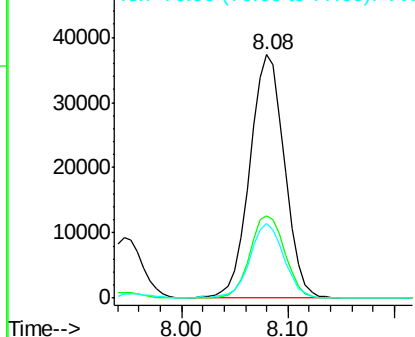


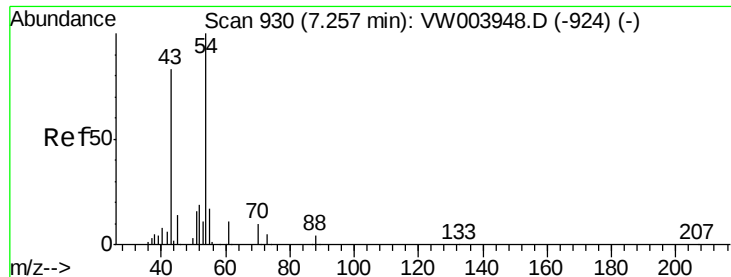
#36
 1,1-Dichloropropene
 Concen: 19.900 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.1	17.0	51.0
77	30.5	24.9	37.3



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

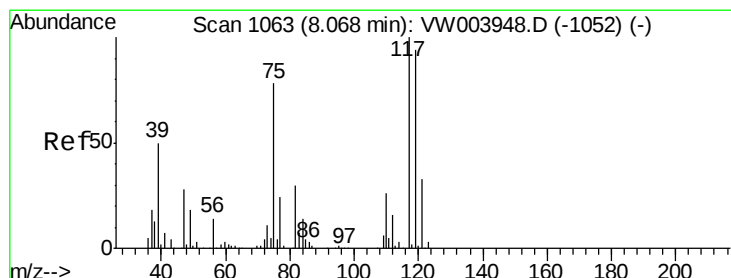
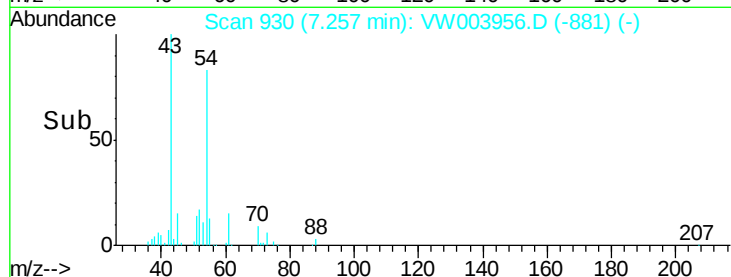
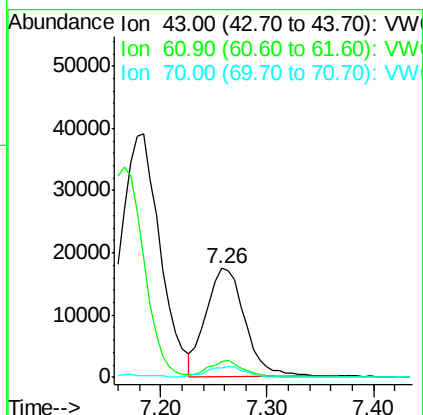
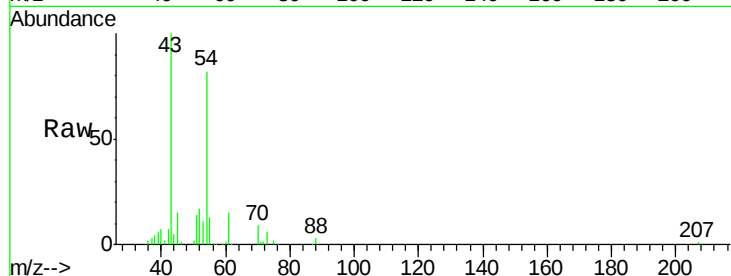




#37
Ethyl Acetate
Concen: 21.211 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

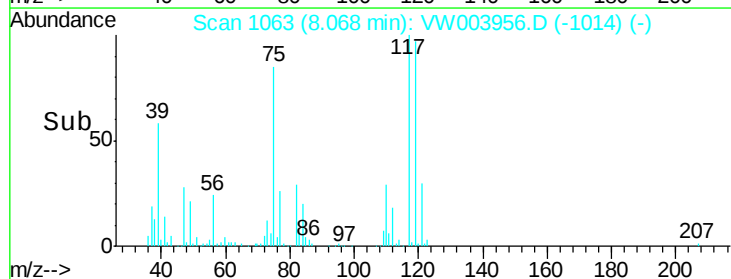
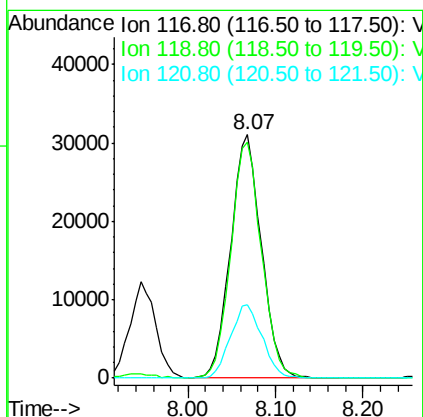
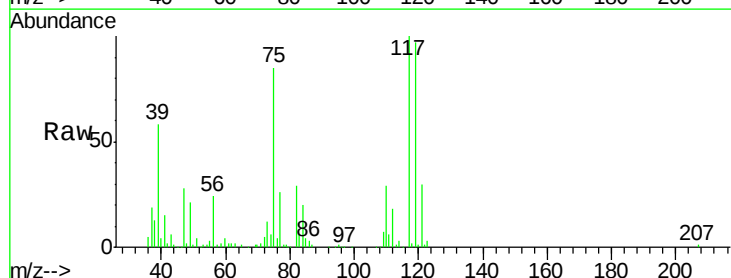
Instrument :
MSVOA_W
ClientSampled :

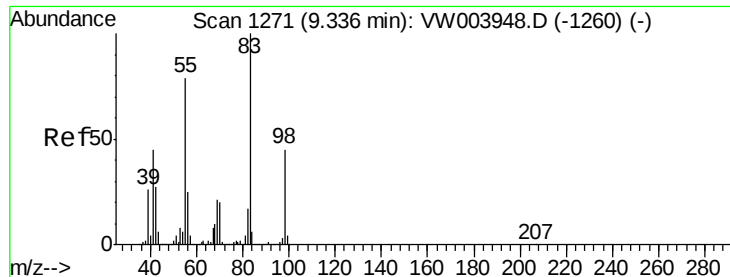
Tot Ion: 43 Resp: 43684
Ion Ratio Lower Upper
43 100
61 13.5 10.7 16.1
70 9.7 7.7 11.5



#38
Carbon Tetrachloride
Concen: 19.030 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion: 117 Resp: 75923
Ion Ratio Lower Upper
117 100
119 96.7 75.3 112.9
121 30.4 26.0 39.0

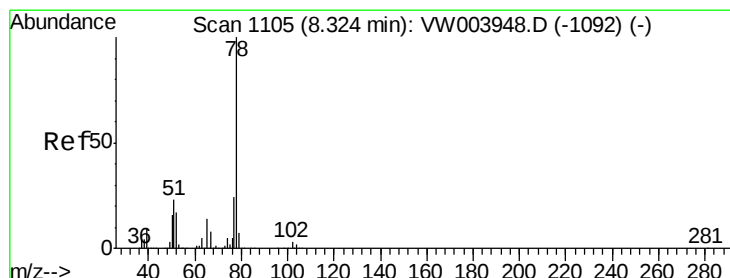
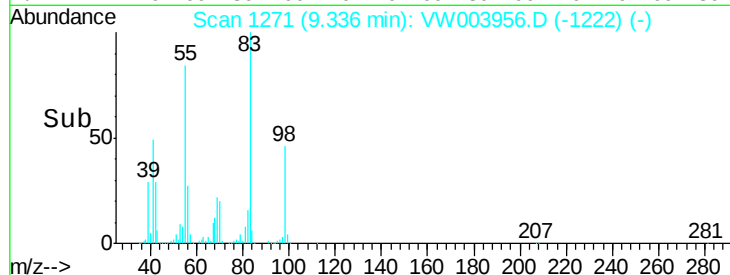
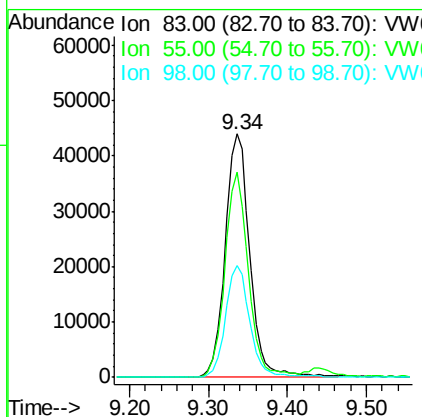
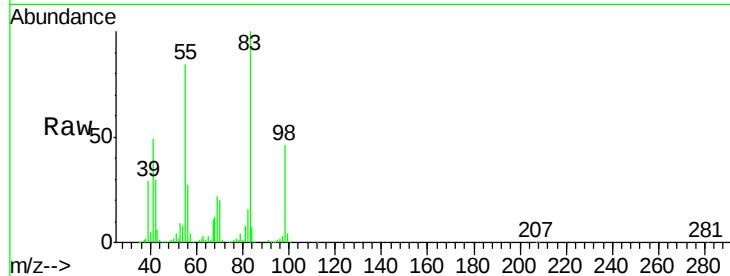




#39
Methvlcvclohexane
Concen: 19.129 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

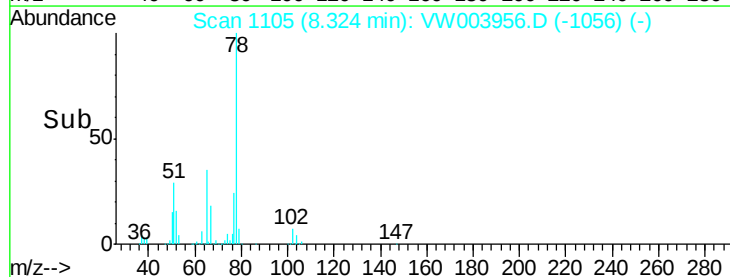
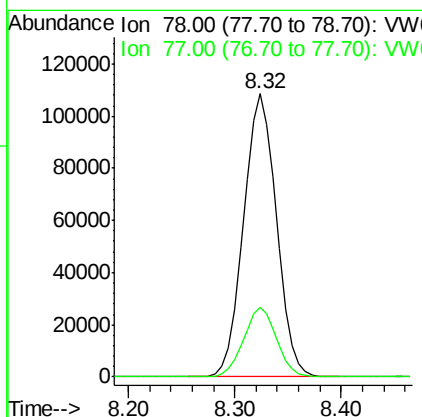
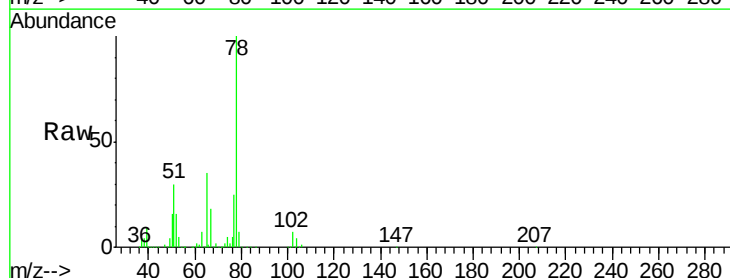
Instrument :
MSVOA_W
ClientSampleId :

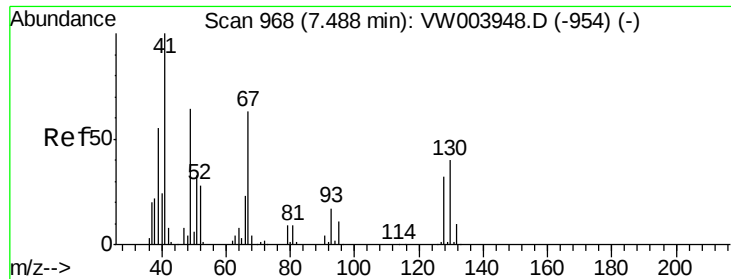
Tot Ion: 83 Resp: 95655
Ion Ratio Lower Upper
83 100
55 84.0 62.8 94.2
98 45.9 36.2 54.4



#40
Benzene
Concen: 19.903 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion: 78 Resp: 235773
Ion Ratio Lower Upper
78 100
77 24.6 19.5 29.3

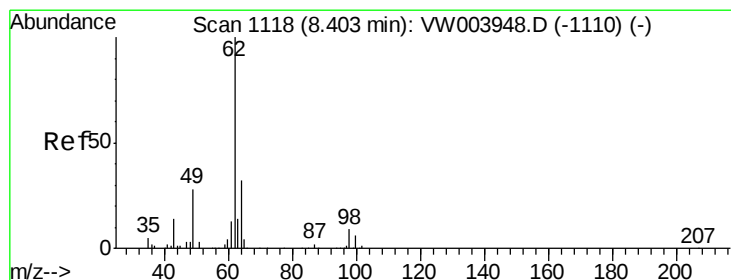
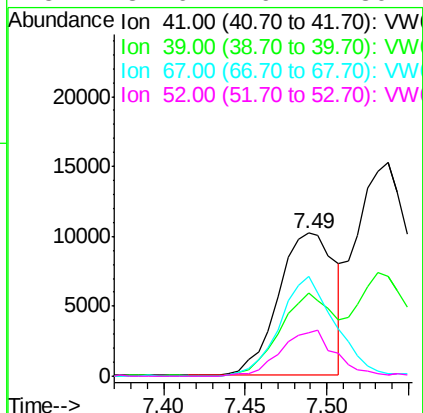
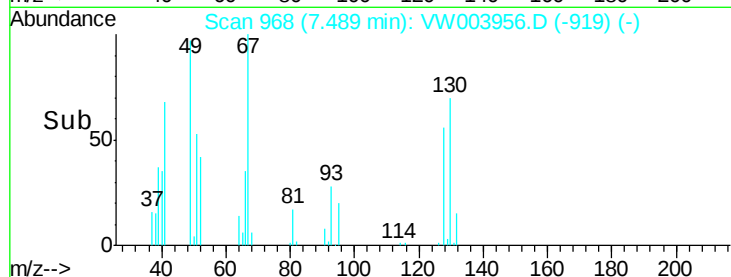
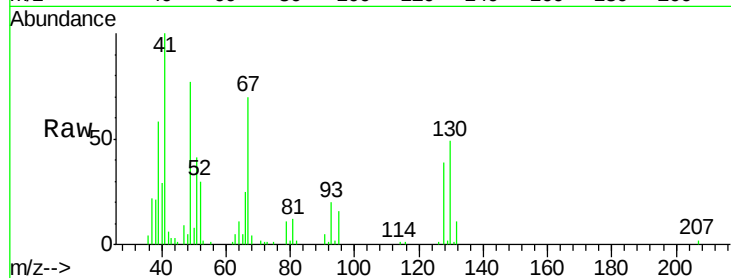




#41
Methacrylonitrile
Concen: 21.421 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

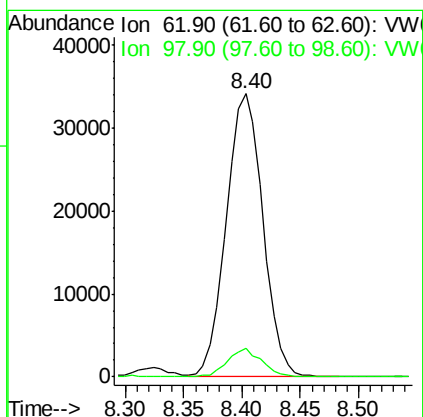
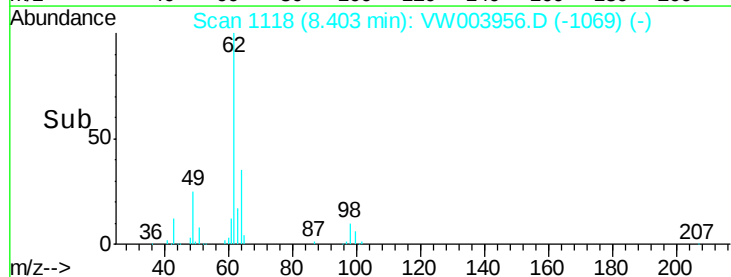
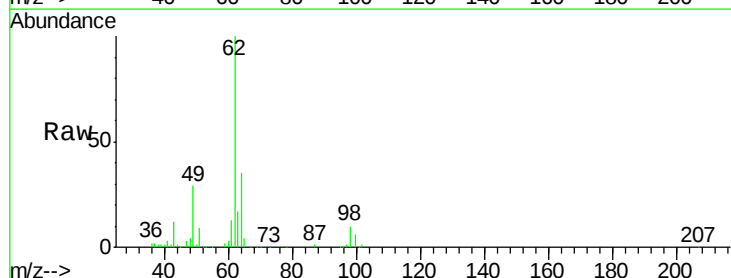
Instrument :
MSVOA_W
ClientSampled :

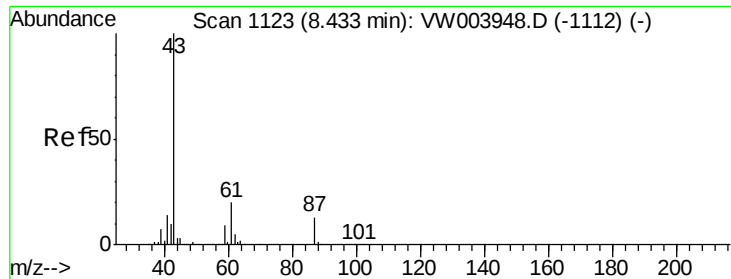
Tot Ion:	41	Resp:	24445
Ion	Ratio	Lower	Upper
41	100		
39	55.2	50.0	75.0
67	69.3	60.8	91.2
52	31.6	26.2	39.4



#42
1,2-Dichloroethane
Concen: 20.686 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion:	62	Resp:	74760
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.4



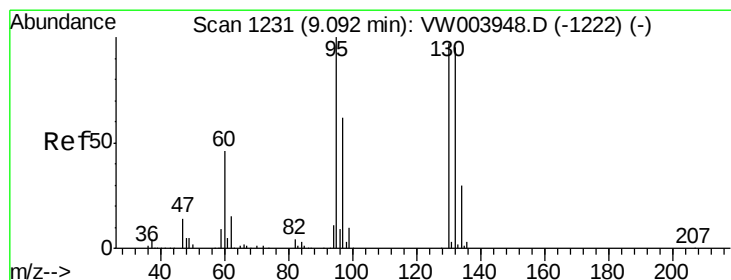
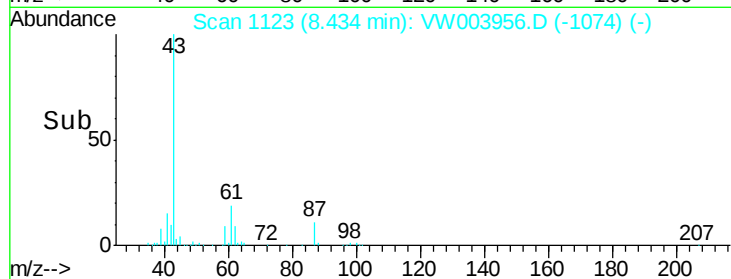
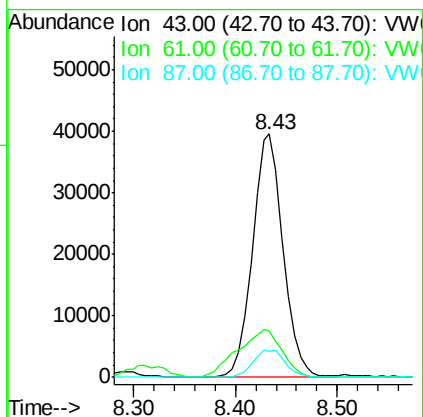
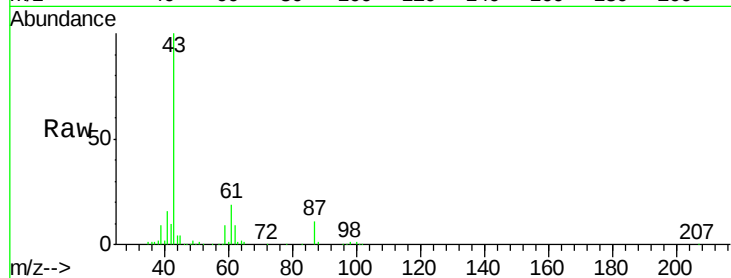


#43

Isopropyl Acetate
 Concen: 21.282 ug/l
 RT: 8.43 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Instrument :
 MSVOA_W
 ClientSampled :

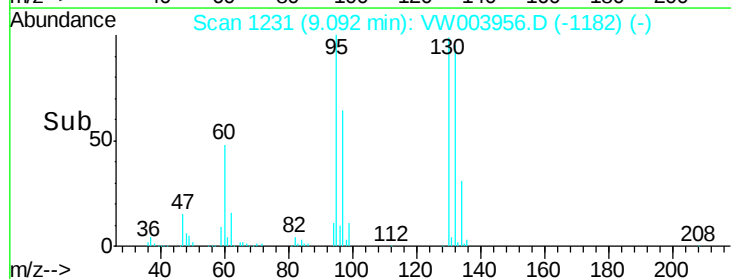
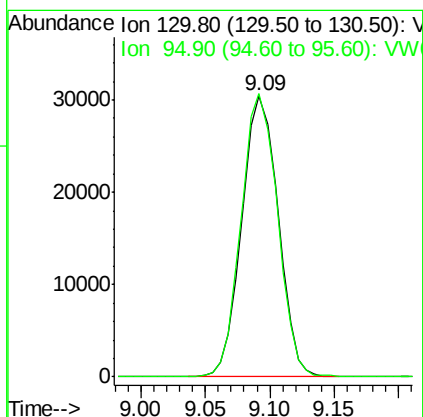
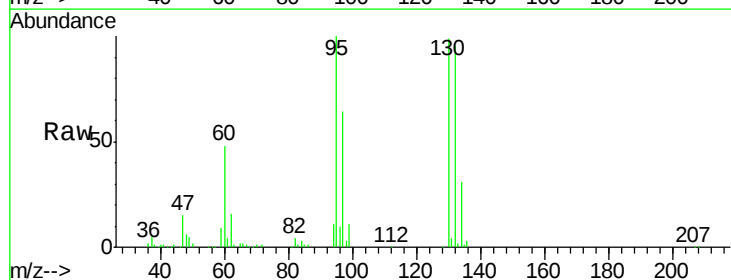
Tot Ion: 43 Resp: 81978
 Ion Ratio Lower Upper
 43 100
 61 28.6 23.0 34.6
 87 12.0 9.9 14.9

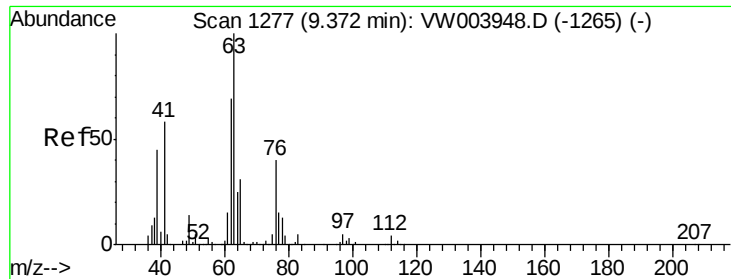


#44

Trichloroethene
 Concen: 19.428 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion: 130 Resp: 59658
 Ion Ratio Lower Upper
 130 100
 95 100.5 0.0 206.8

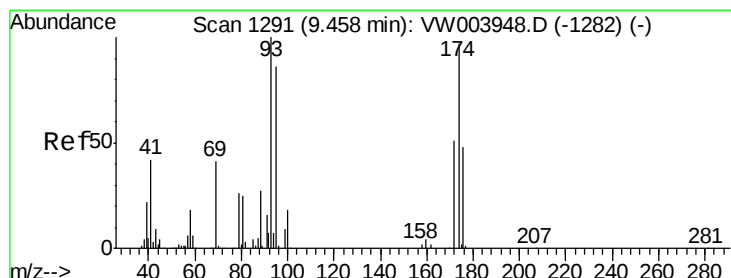
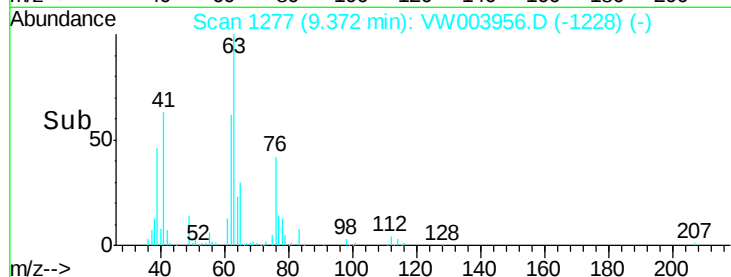
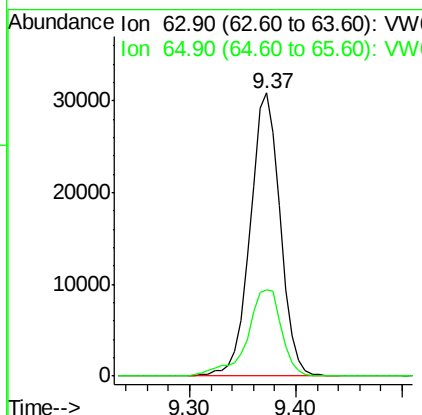
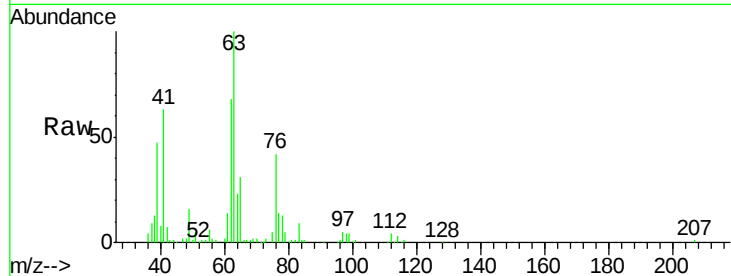




#45
 1,2-Dichloropropane
 Concen: 20.188 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

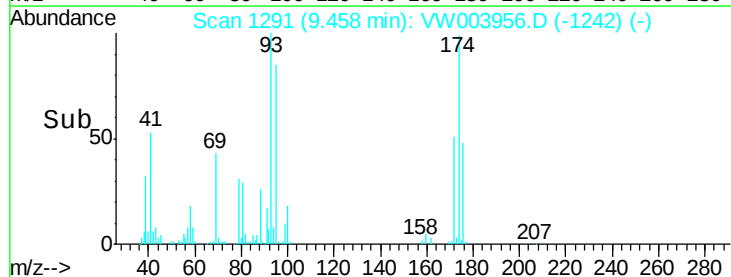
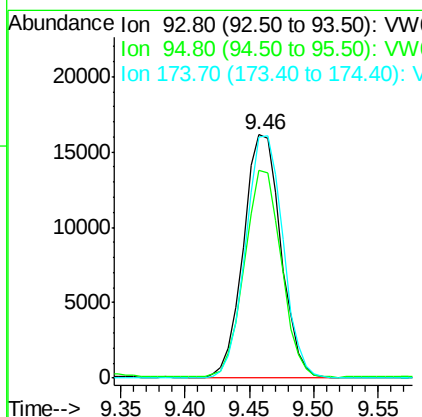
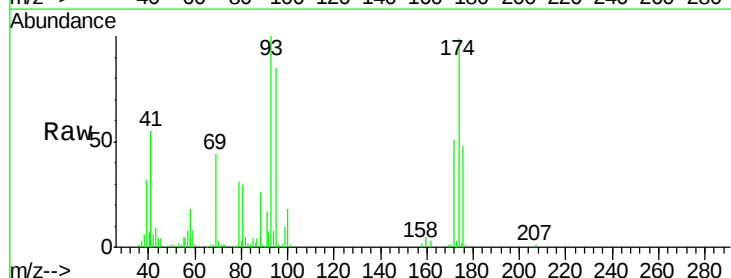
Instrument :
 MSVOA_W
 ClientSampleId :

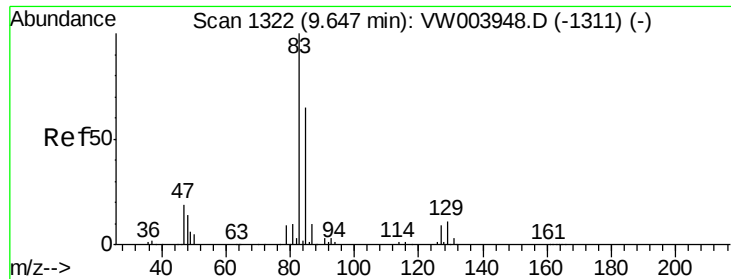
Tot Ion: 63 Resp: 61040
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.8 37.2



#46
 Dibromomethane
 Concen: 20.701 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion: 93 Resp: 32478
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.9 100.3
 174 99.0 80.2 120.2

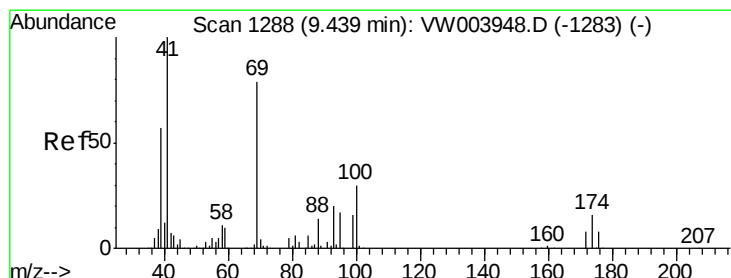
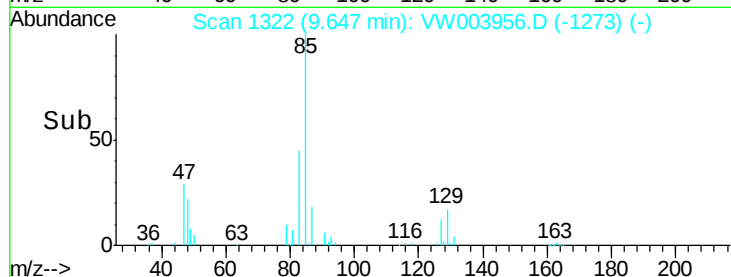
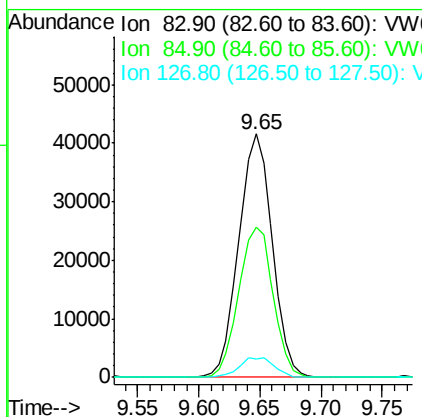
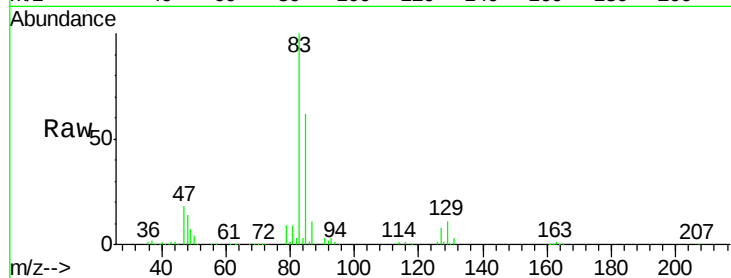




#47
Bromodichloromethane
Concen: 20.404 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

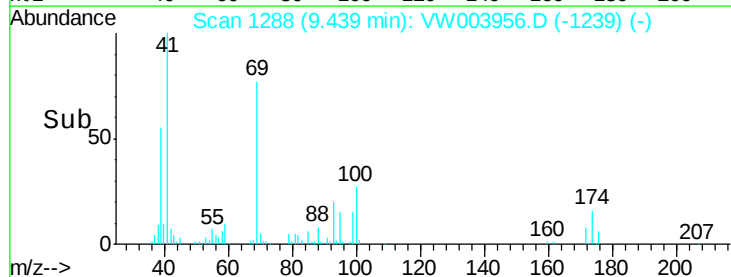
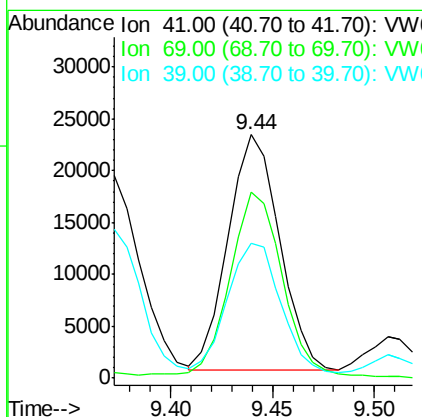
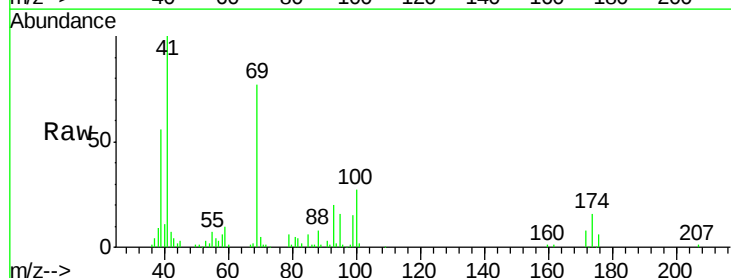
Instrument :
MSVOA_W
ClientSampled :

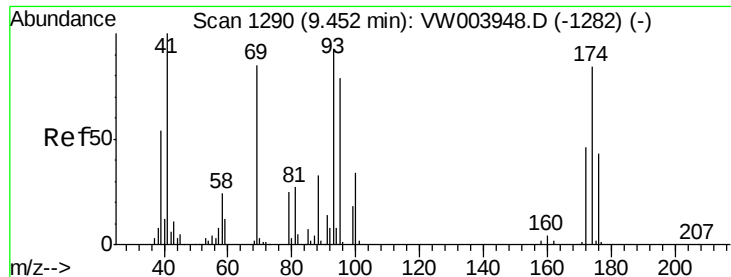
Tot Ion: 83 Resp: 78917
Ion Ratio Lower Upper
83 100
85 62.0 52.2 78.2
127 7.6 7.0 10.4



#48
Methyl methacrylate
Concen: 21.354 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion: 41 Resp: 39780
Ion Ratio Lower Upper
41 100
69 81.0 67.0 100.6
39 61.3 48.8 73.2

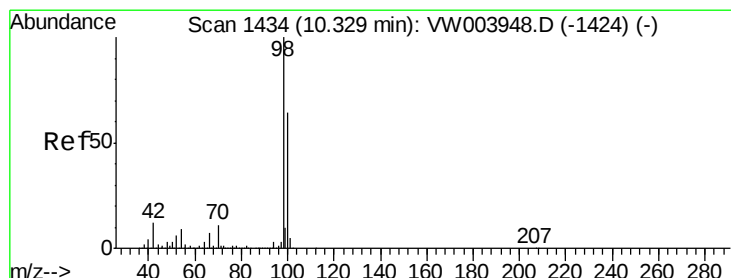
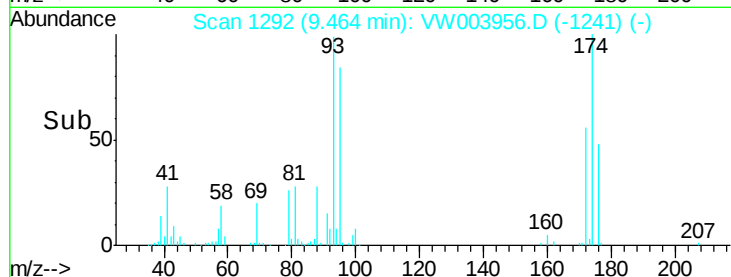
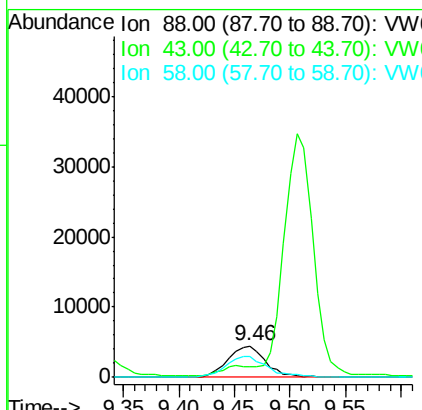
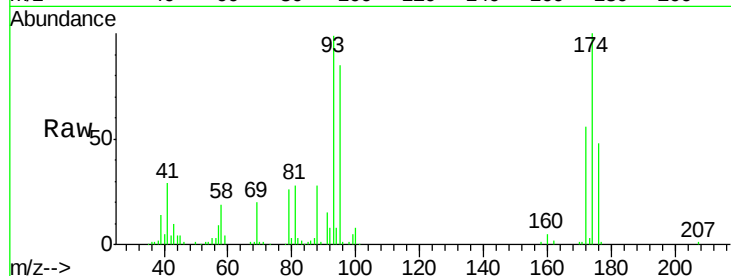




#49
1,4-Dioxane
Concen: 431.778 ug/l
RT: 9.46 min Scan# 1292
Delta R.T. 0.01 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

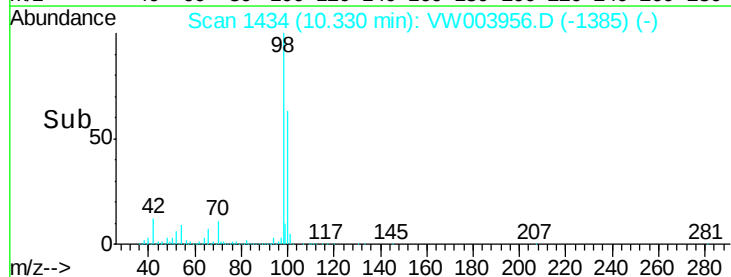
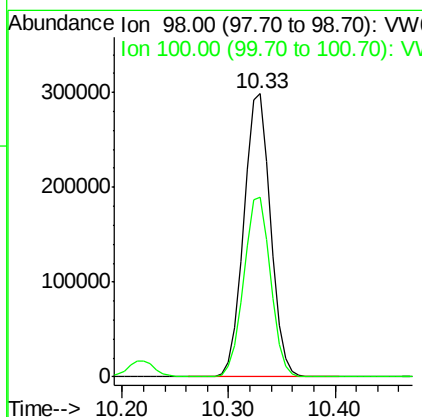
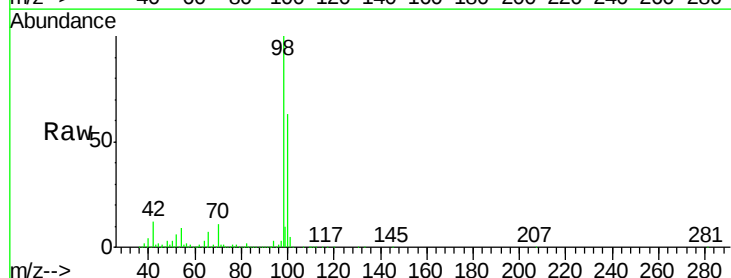
Instrument :
MSVOA_W
ClientSampleId :

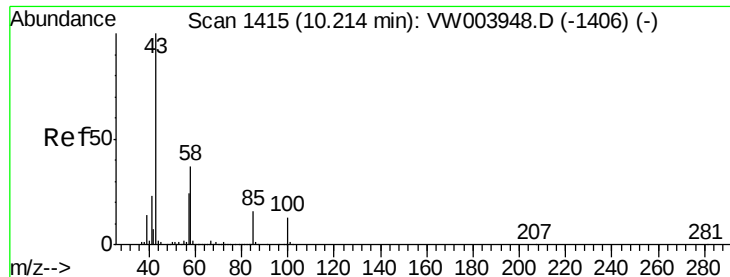
Tot Ion: 88 Resp: 10413
Ion Ratio Lower Upper
88 100
43 31.7 27.3 40.9
58 74.9 61.1 91.7



#50
Toluene-d8
Concen: 50.976 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion: 98 Resp: 526700
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8

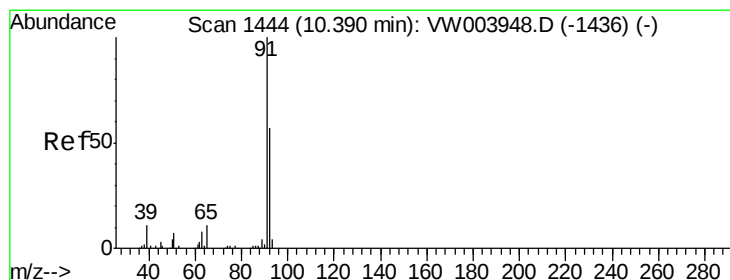
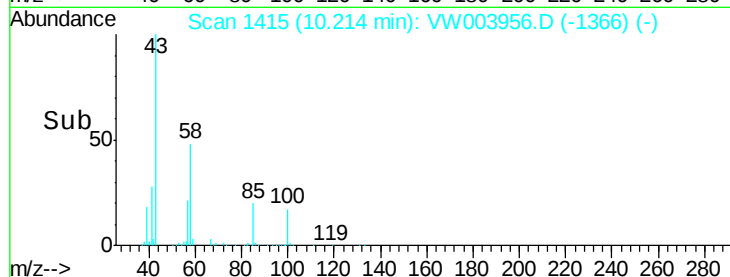
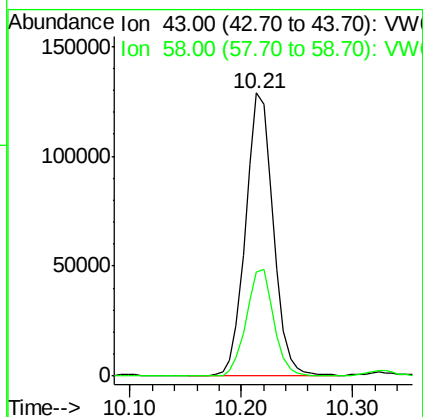
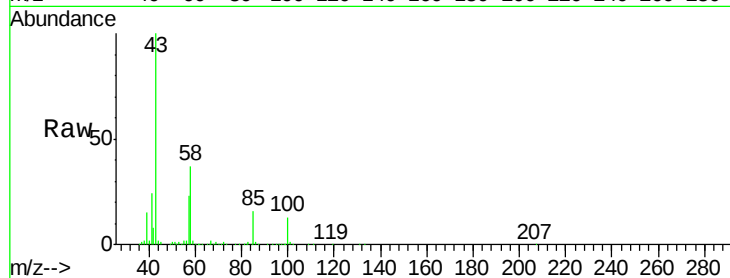




#51
4-Methyl-2-Pentanone
Concen: 107.987 ug/l
RT: 10.21 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

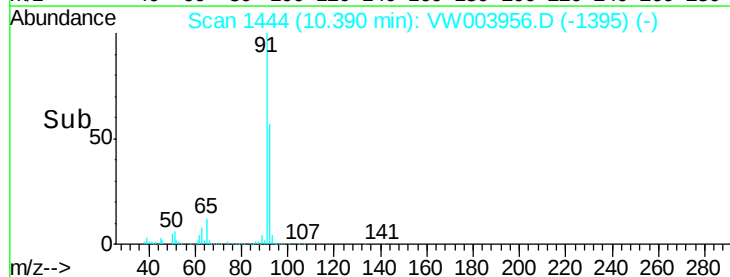
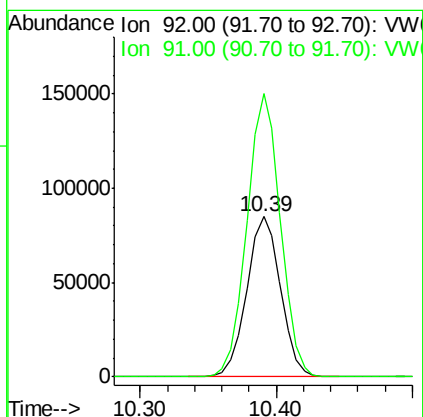
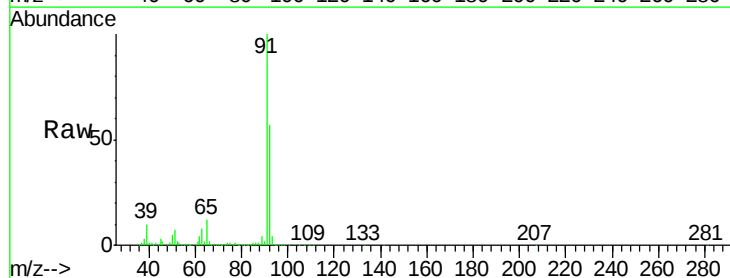
Instrument :
MSVOA_W
ClientSampled :

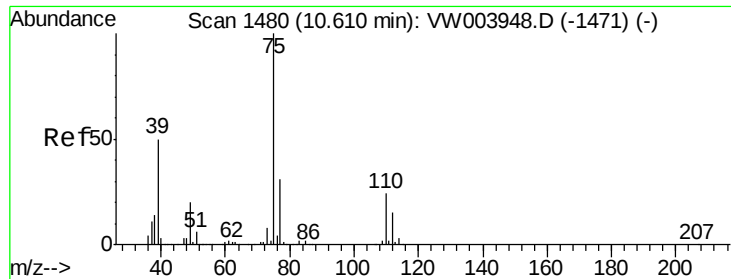
Tot Ion: 43 Resp: 221611
Ion Ratio Lower Upper
43 100
58 37.7 29.9 44.9



#52
Toluene
Concen: 20.093 ug/l
RT: 10.39 min Scan# 1444
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion: 92 Resp: 147191
Ion Ratio Lower Upper
92 100
91 176.1 139.6 209.4

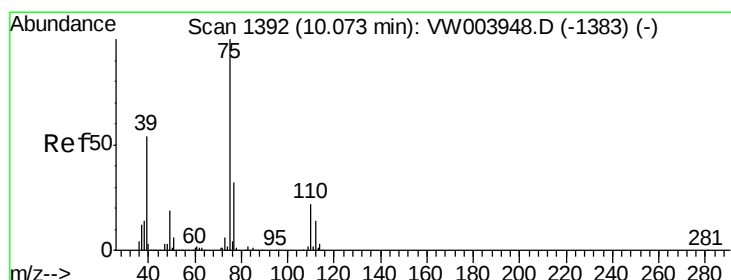
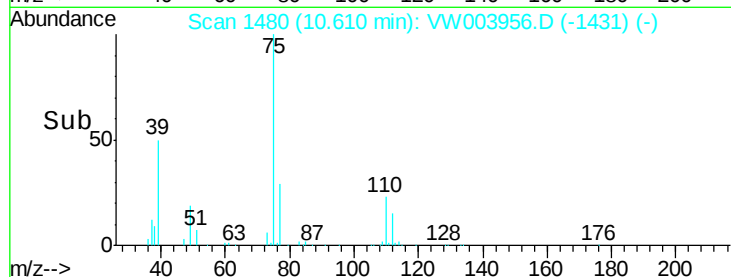
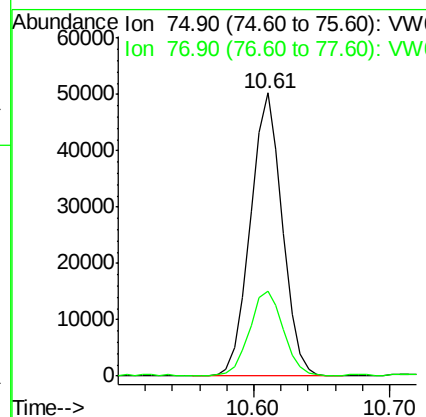
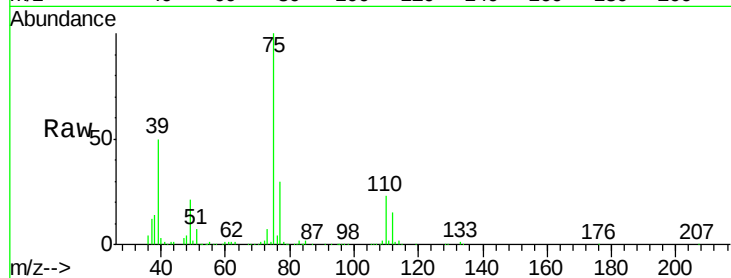




#53
t-1,3-Dichloropropene
Concen: 20.429 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

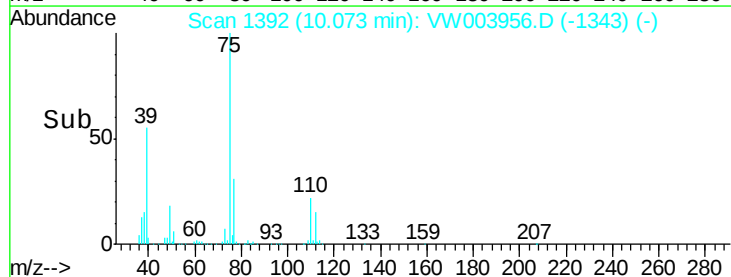
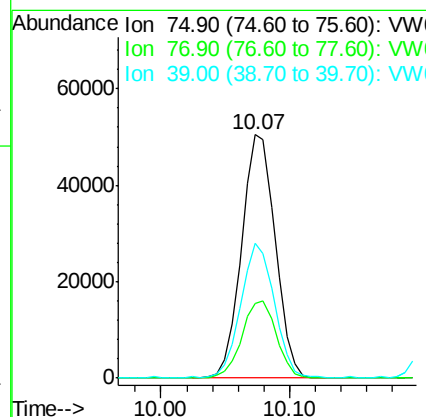
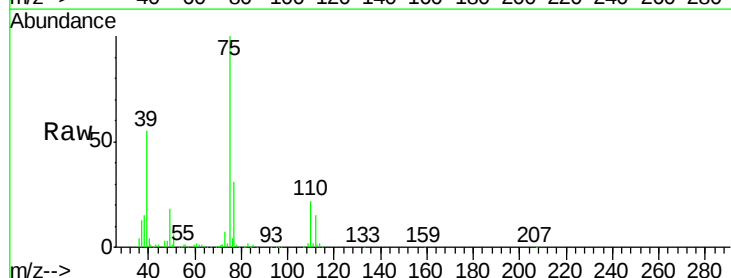
Instrument :
MSVOA_W
ClientSampled :

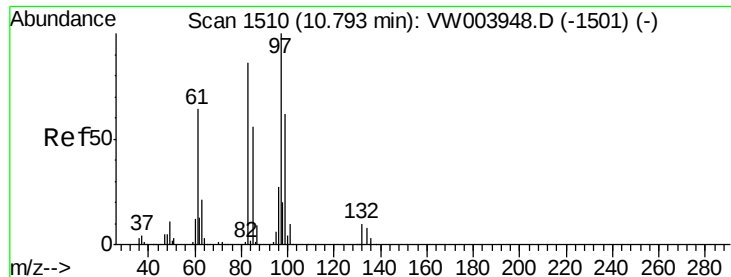
Tot Ion: 75 Resp: 82627
Ion Ratio Lower Upper
75 100
77 29.6 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 19.712 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion: 75 Resp: 91203
Ion Ratio Lower Upper
75 100
77 30.5 25.4 38.2
39 54.9 43.0 64.6

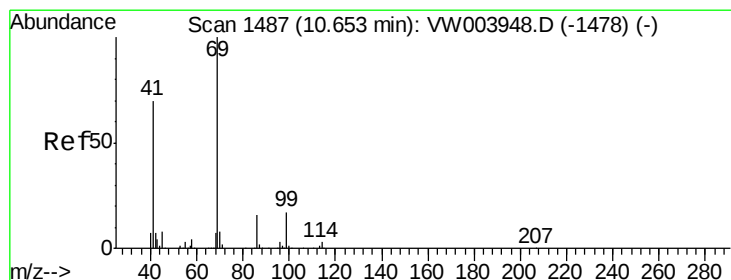
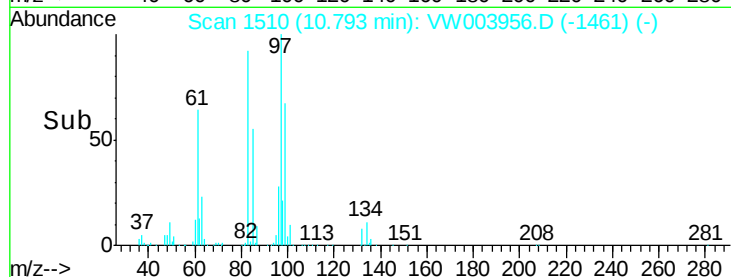
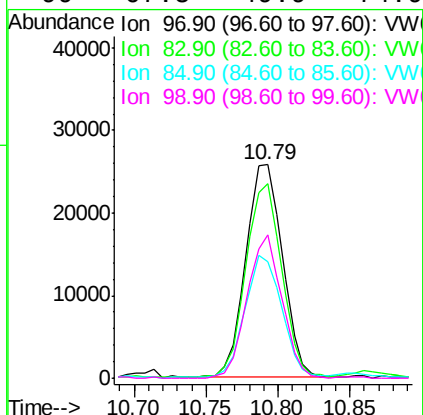
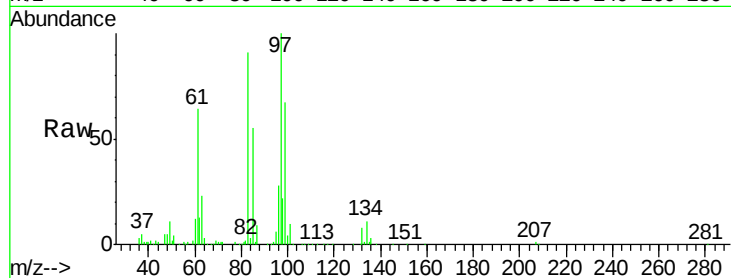




#55
 1,1,2-Trichloroethane
 Concen: 20.564 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

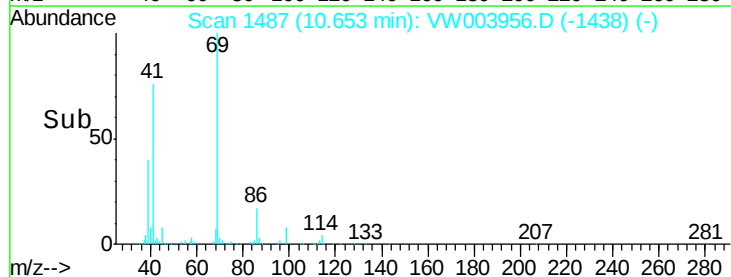
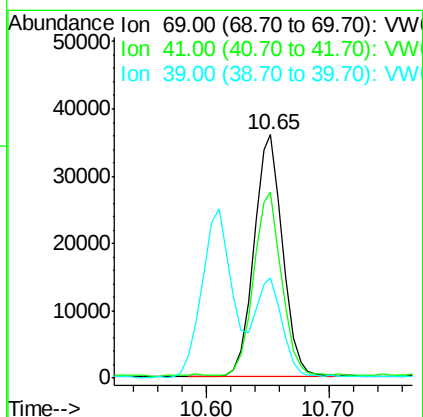
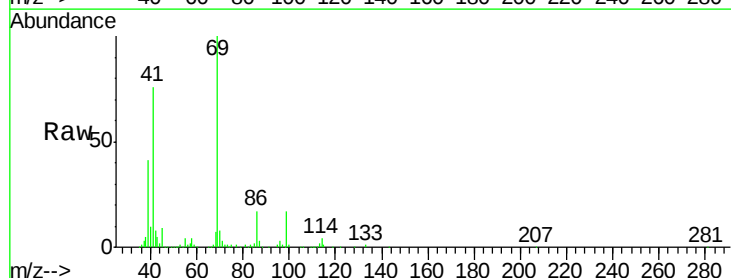
Instrument :
 MSVOA_W
 ClientSampleId :

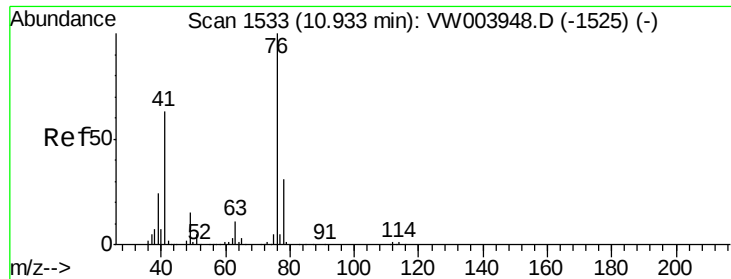
Tot Ion:	97	Resp:	45376
Ion	Ratio	Lower	Upper
97	100		
83	91.2	69.0	103.4
85	54.7	45.0	67.6
99	67.5	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 20.533 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion:	69	Resp:	58983
Ion	Ratio	Lower	Upper
69	100		
41	73.8	56.5	84.7
39	35.8	30.2	45.4

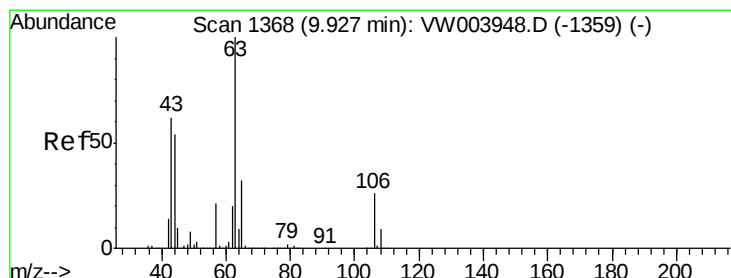
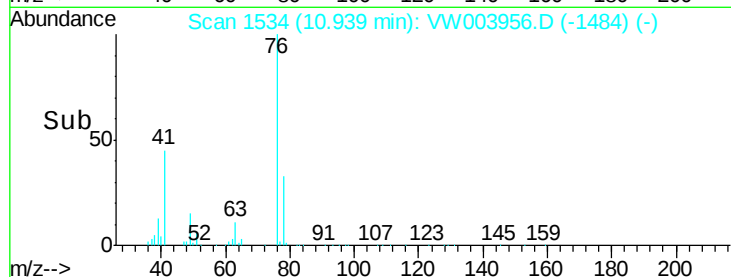
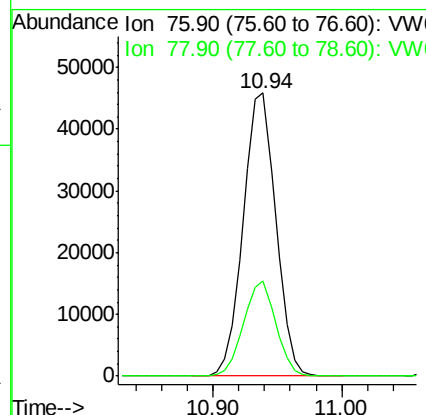
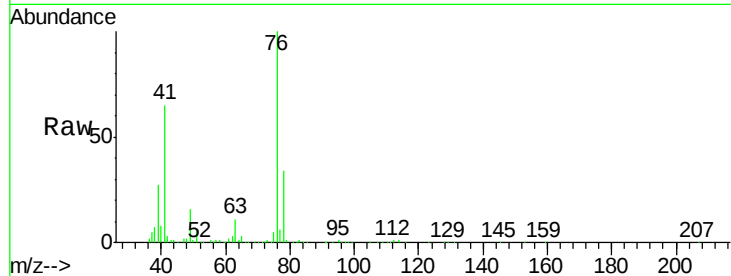




#57
 1,3-Dichloropropane
 Concen: 20.884 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

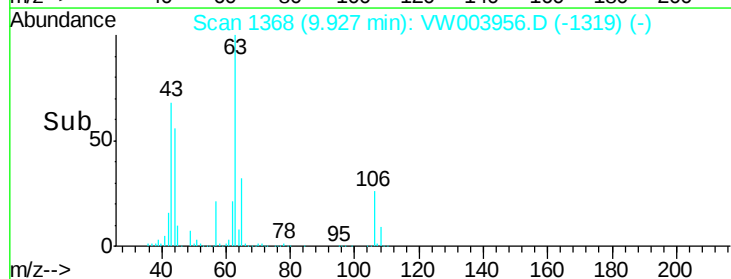
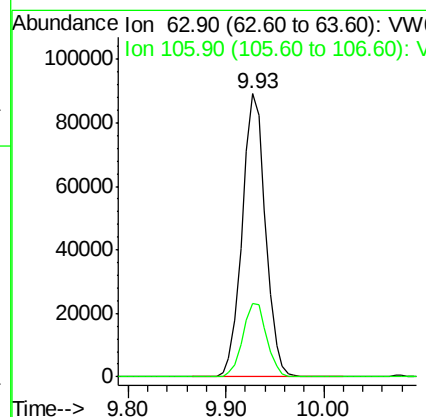
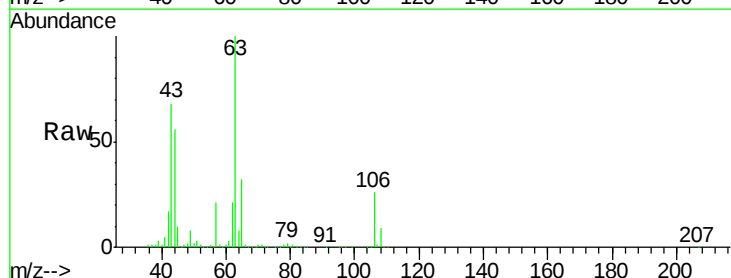
Instrument :
 MSVOA_W
 ClientSampled :

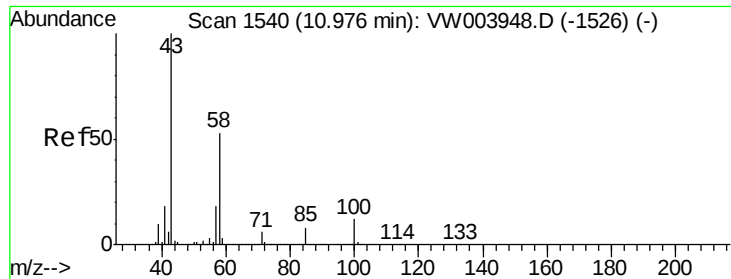
Tot Ion: 76 Resp: 80061
 Ion Ratio Lower Upper
 76 100
 78 33.3 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.506 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion: 63 Resp: 147272
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.2 31.8

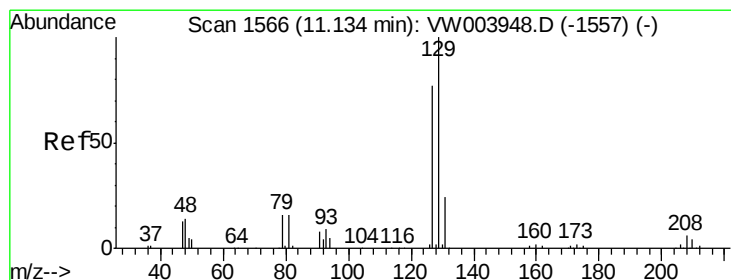
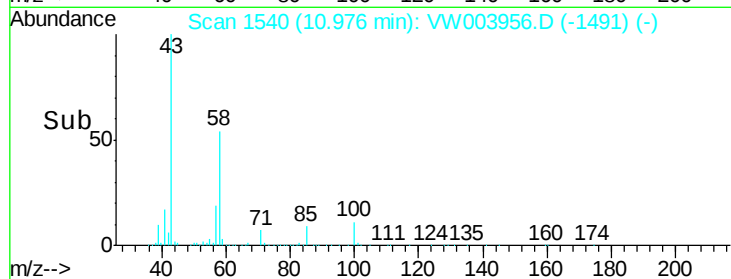
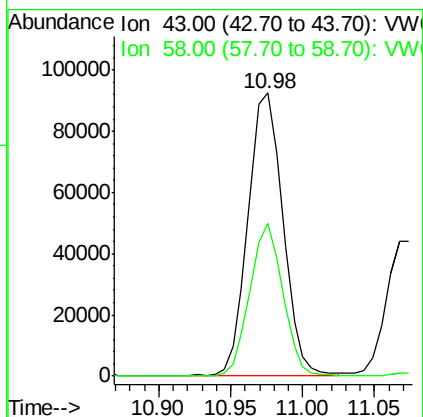
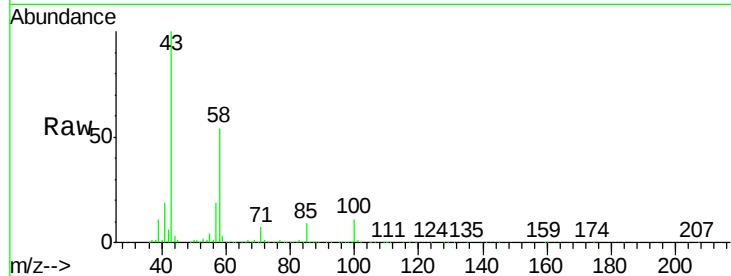




#59
2-Hexanone
Concen: 106.897 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

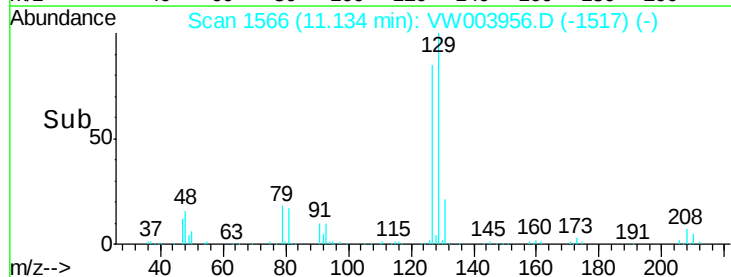
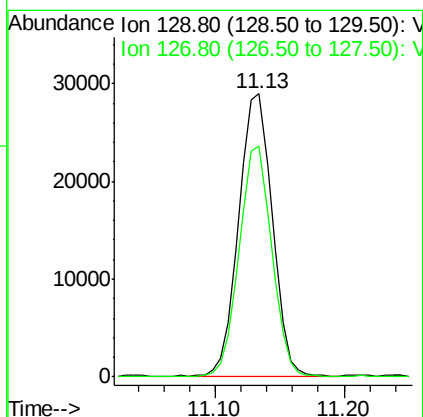
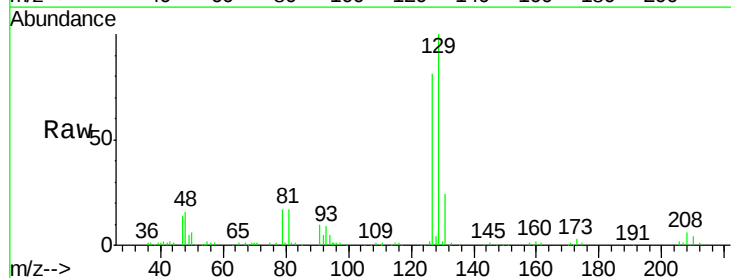
Instrument :
MSVOA_W
ClientSampled :

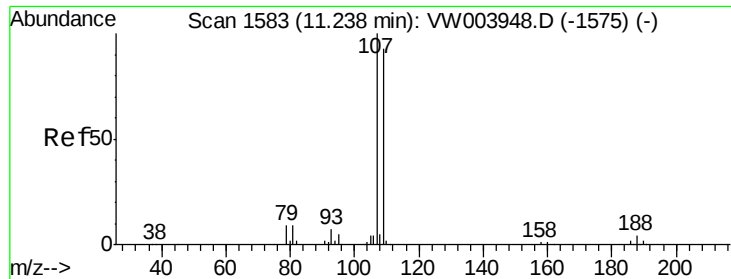
Tot Ion: 43 Resp: 154618
Ion Ratio Lower Upper
43 100
58 51.2 26.0 78.0



#60
Dibromochloromethane
Concen: 20.247 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion: 129 Resp: 52028
Ion Ratio Lower Upper
129 100
127 79.7 39.1 117.3

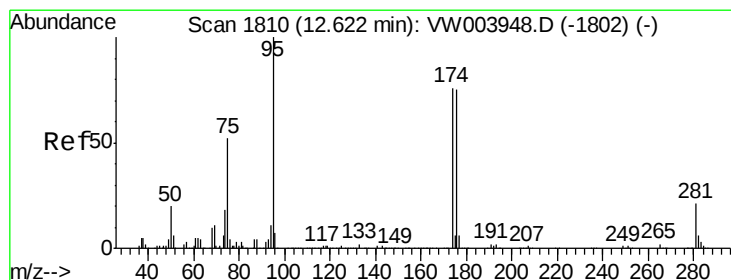
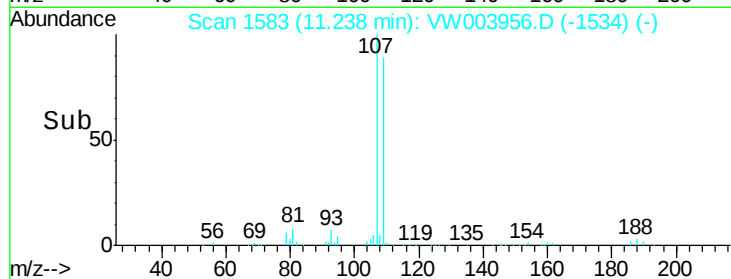
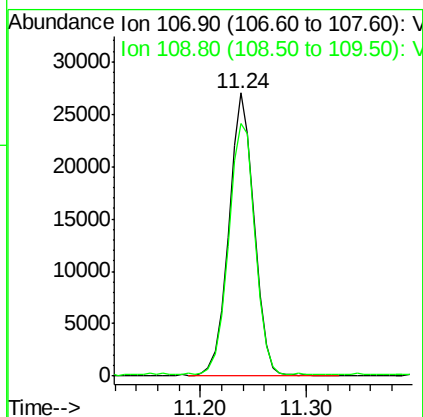
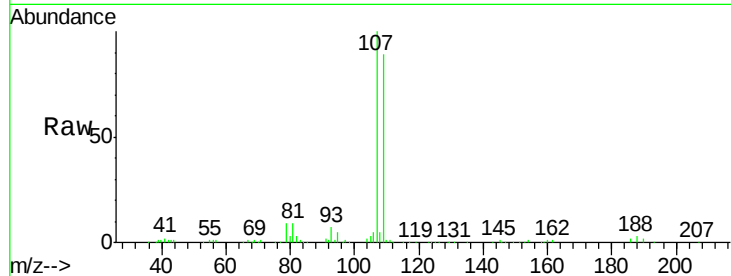




#61
 1,2-Dibromoethane
 Concen: 21.434 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

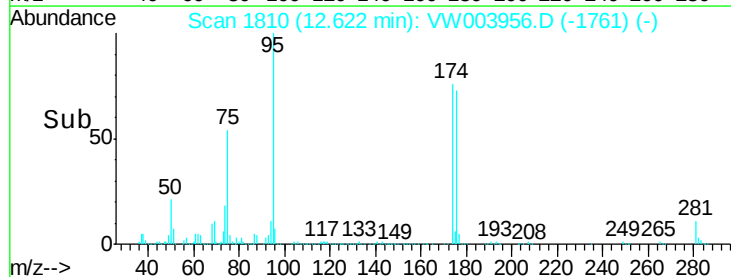
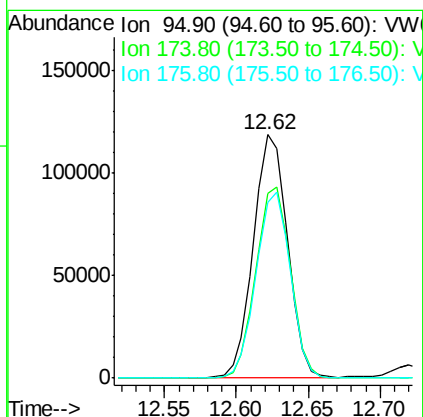
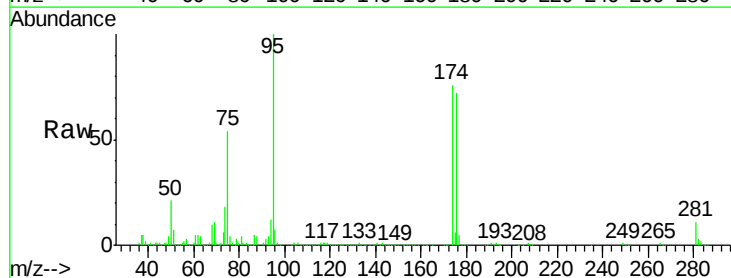
Instrument :
 MSVOA_W
 ClientSampleId :

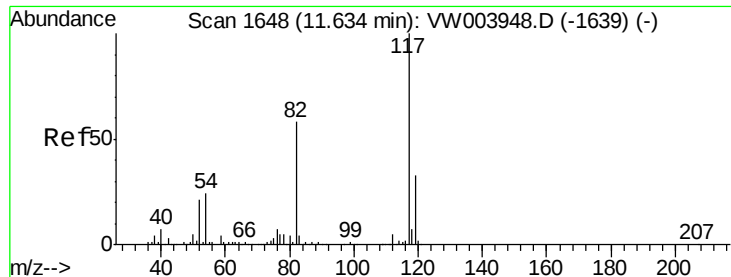
Tot Ion: 107 Resp: 45002
 Ion Ratio Lower Upper
 107 100
 109 91.6 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 51.713 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion: 95 Resp: 192676
 Ion Ratio Lower Upper
 95 100
 174 80.4 0.0 160.2
 176 77.2 0.0 155.8

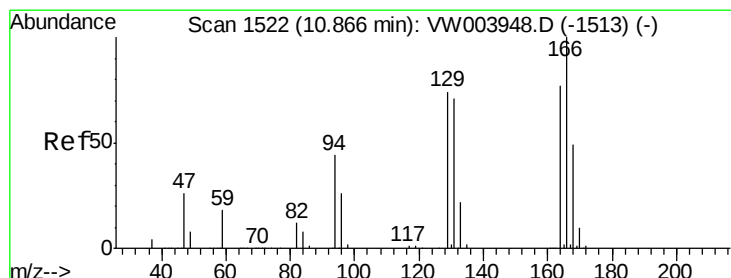
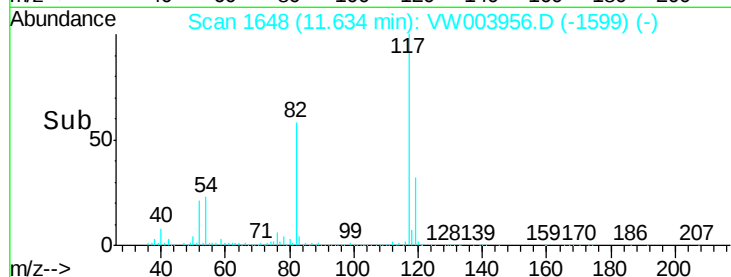
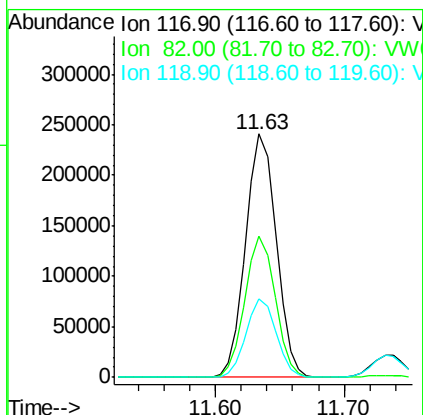
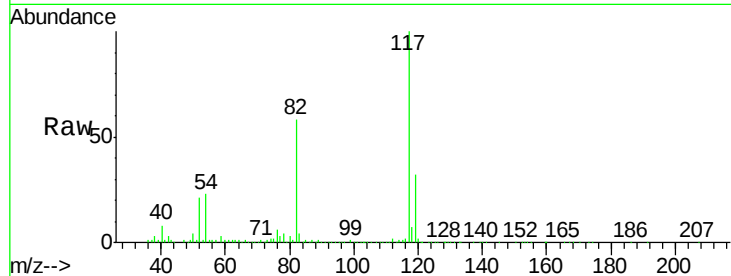




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

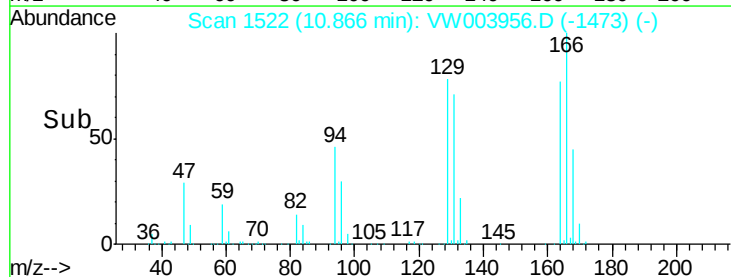
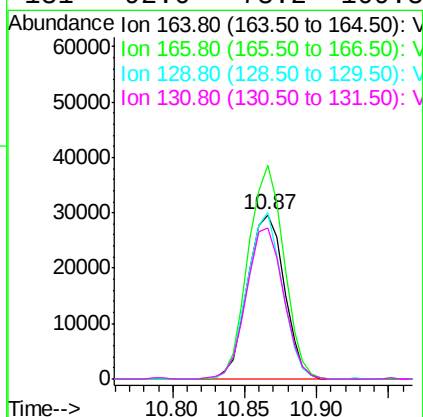
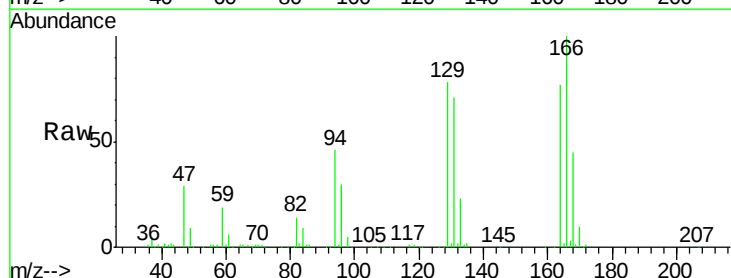
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 396589
Ion Ratio Lower Upper
117 100
82 58.1 46.5 69.7
119 32.1 26.2 39.2



#64
Tetrachloroethene
Concen: 19.322 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion:164 Resp: 52579
Ion Ratio Lower Upper
164 100
166 130.0 103.5 155.3
129 100.9 76.8 115.2
131 92.0 73.2 109.8

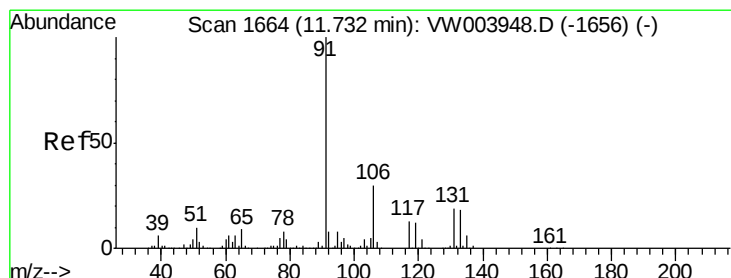
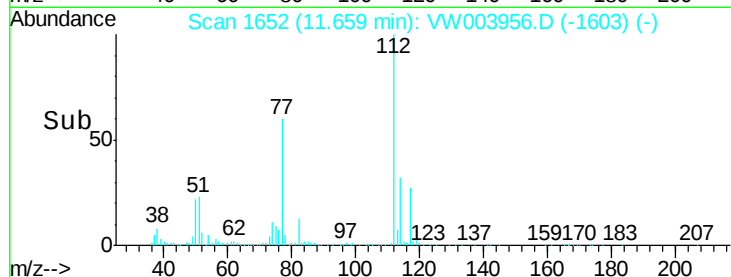
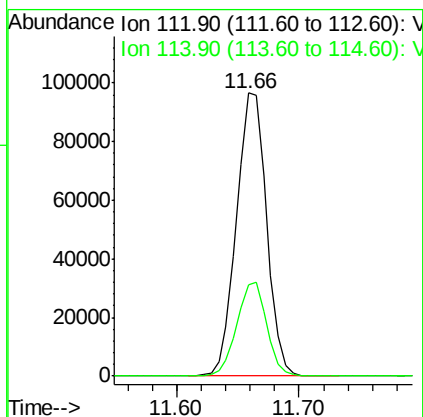
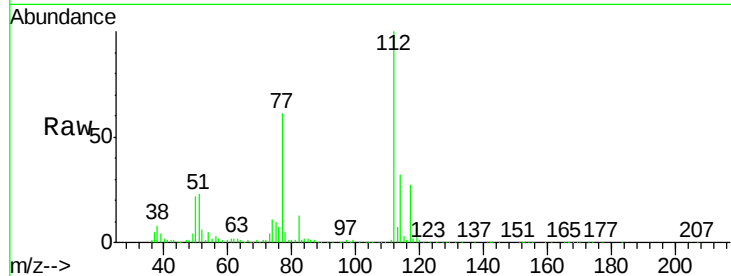




#65
Chlorobenzene
Concen: 19.538 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

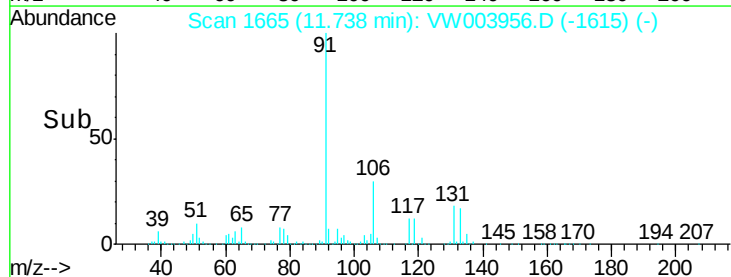
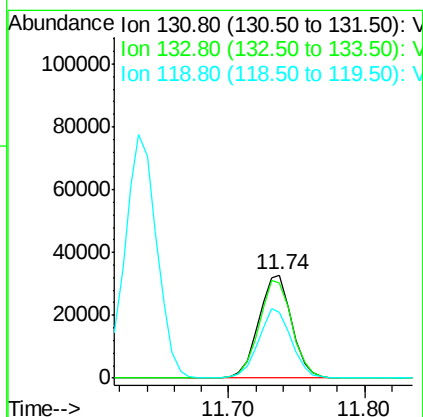
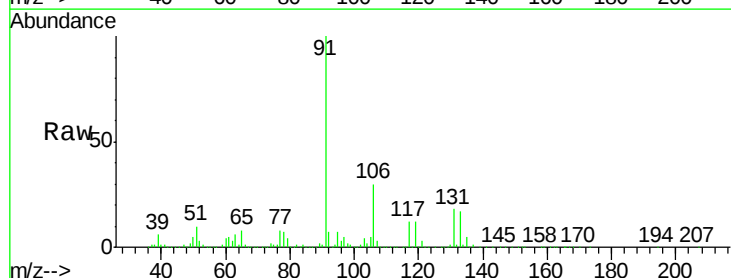
Instrument :
MSVOA_W
ClientSampleId :

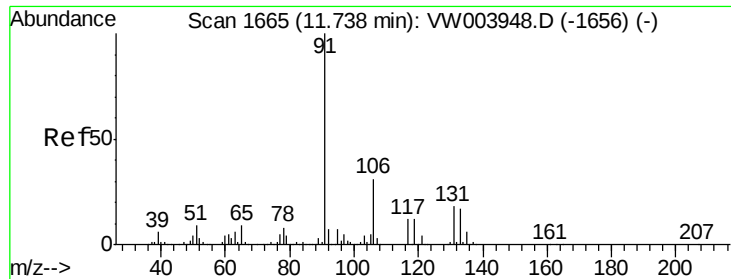
Tot Ion:112 Resp: 164762
Ion Ratio Lower Upper
112 100
114 32.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.138 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.01 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion:131 Resp: 56085
Ion Ratio Lower Upper
131 100
133 95.1 47.9 143.8
119 65.9 32.5 97.5

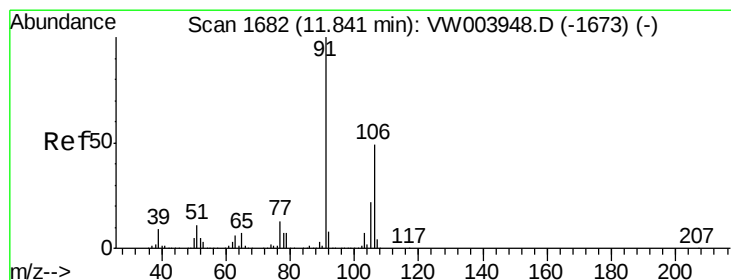
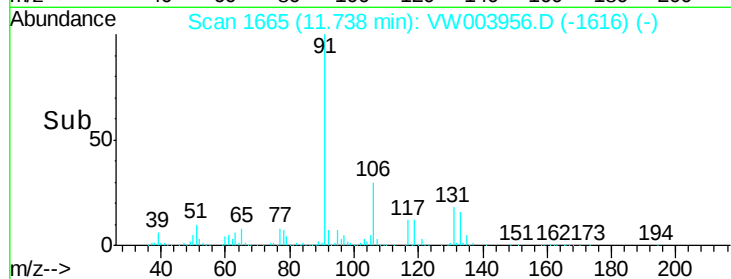
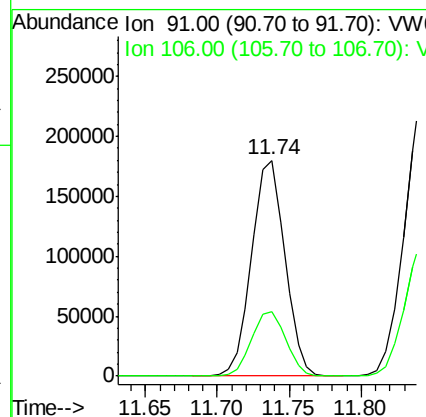
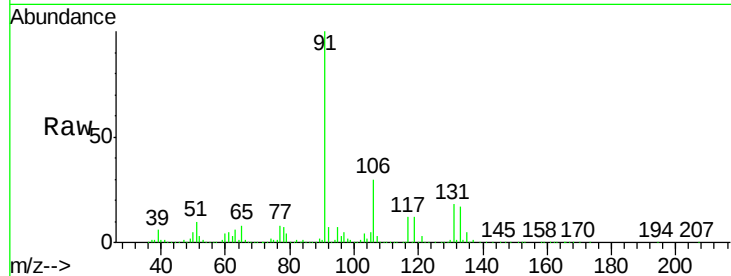




#67
Ethyl Benzene
Concen: 19.351 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

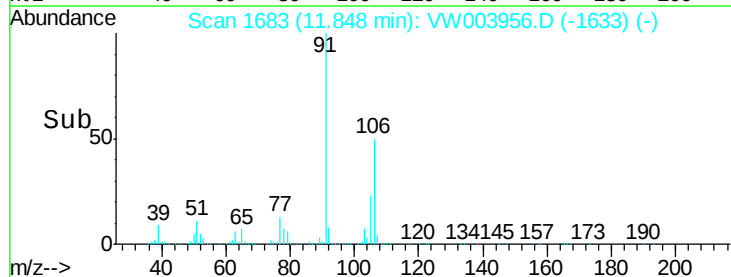
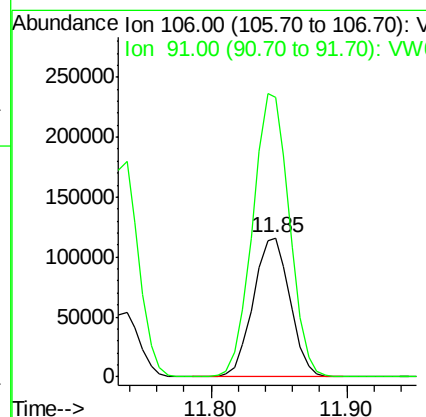
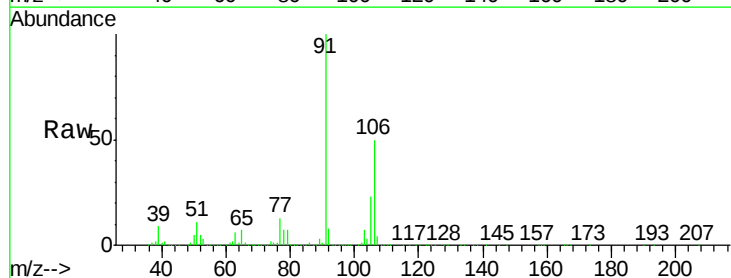
Instrument :
MSVOA_W
ClientSampleId :

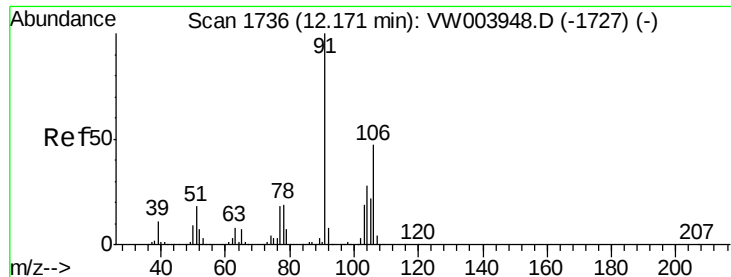
Tot Ion: 91 Resp: 286663
Ion Ratio Lower Upper
91 100
106 30.0 25.0 37.4



#68
m/p-Xylenes
Concen: 38.649 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion: 106 Resp: 218828
Ion Ratio Lower Upper
106 100
91 203.5 164.2 246.2

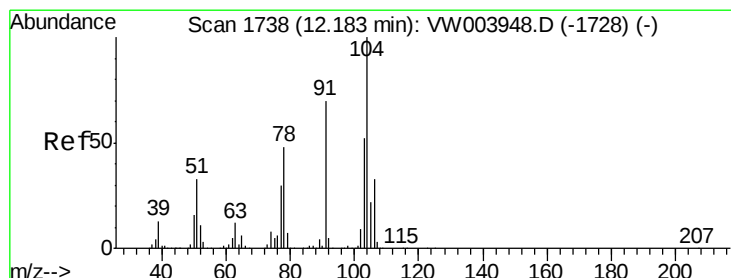
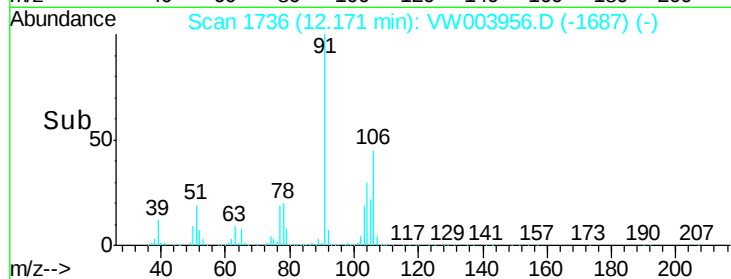
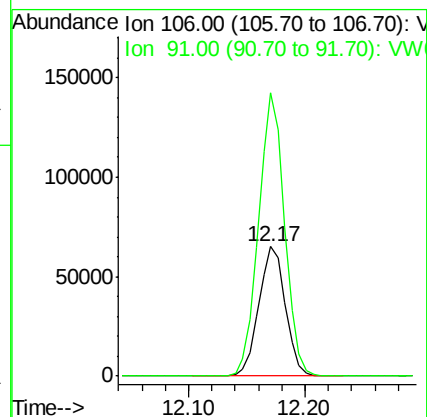
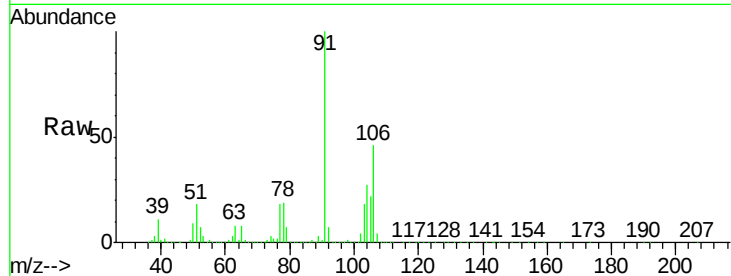




#69
o-Xylene
Concen: 19.774 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

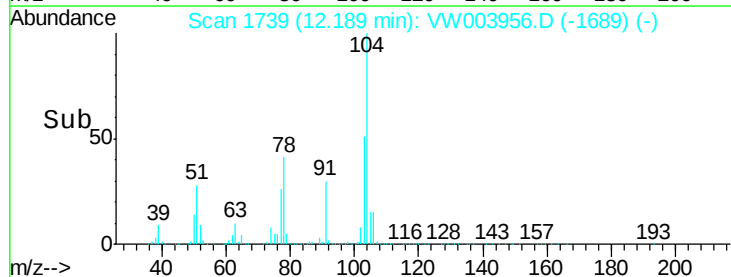
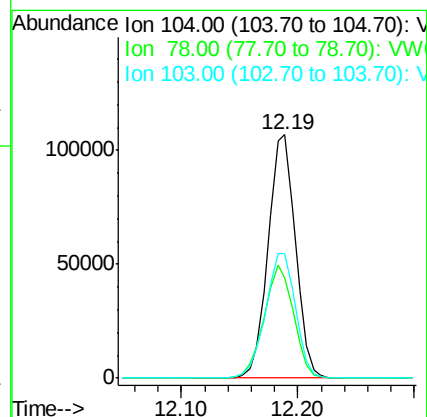
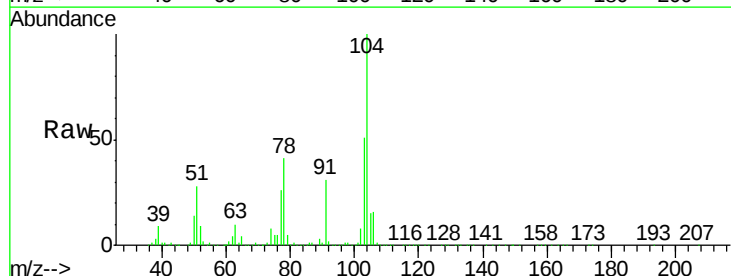
Instrument :
MSVOA_W
ClientSampleId :

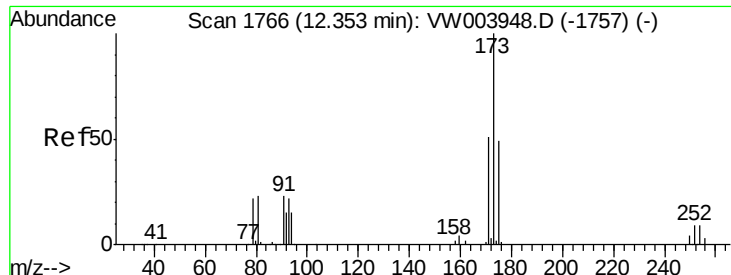
Tot Ion:106 Resp: 103855
Ion Ratio Lower Upper
106 100
91 212.7 107.5 322.6



#70
Styrene
Concen: 19.794 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion:104 Resp: 173649
Ion Ratio Lower Upper
104 100
78 50.2 41.0 61.4
103 56.5 44.6 67.0





#71

Bromoform

Concen: 19.806 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

ClientSampled :

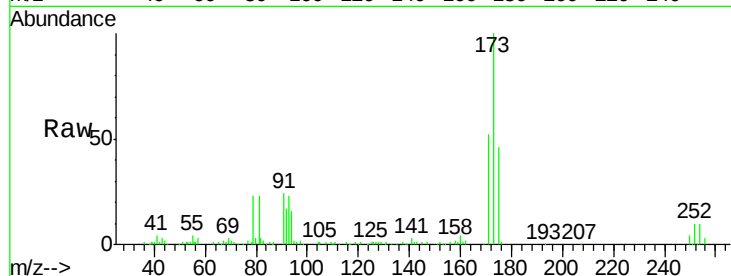
Tot Ion:173 Resp: 32771

Ion Ratio Lower Upper

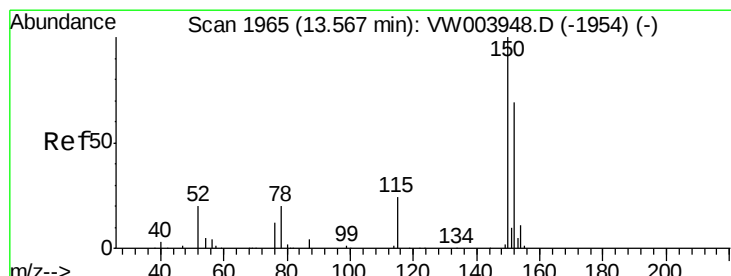
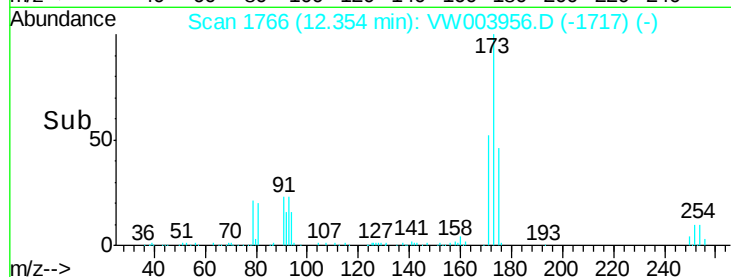
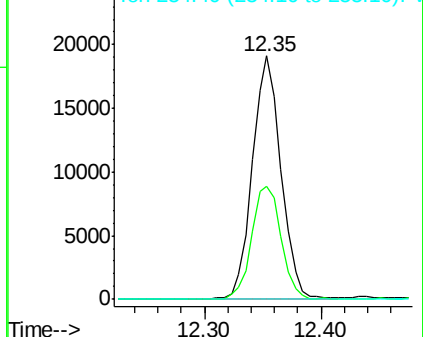
173 100

175 47.8 24.4 73.2

254 0.1 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: VW003956.D

Acq: 16 Jul 2018 17:31

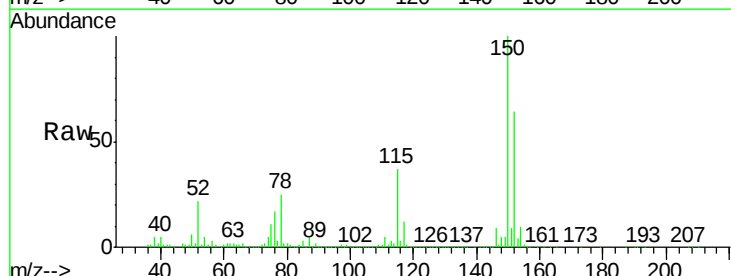
Tgt Ion:152 Resp: 203939

Ion Ratio Lower Upper

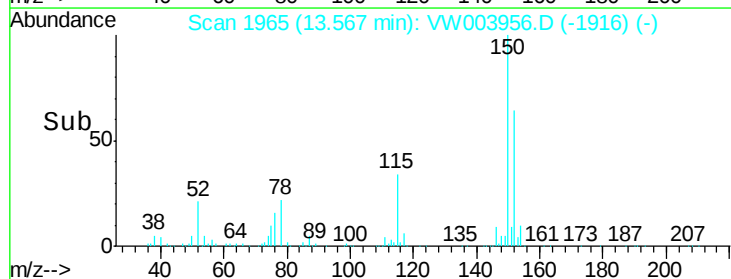
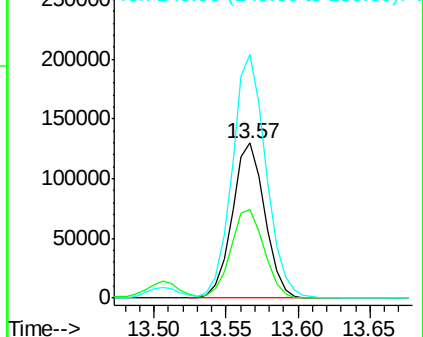
152 100

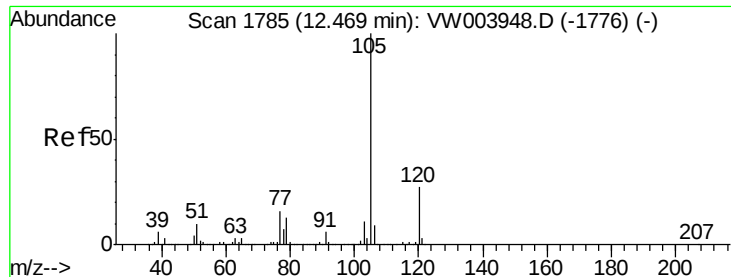
115 58.7 29.2 87.6

150 163.0 0.0 345.2



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





#73

Isopropylbenzene

Concen: 19.446 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

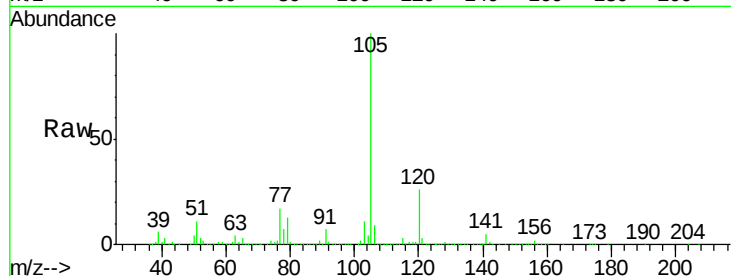
ClientSampleId :

Tot Ion:105 Resp: 280230

Ion Ratio Lower Upper

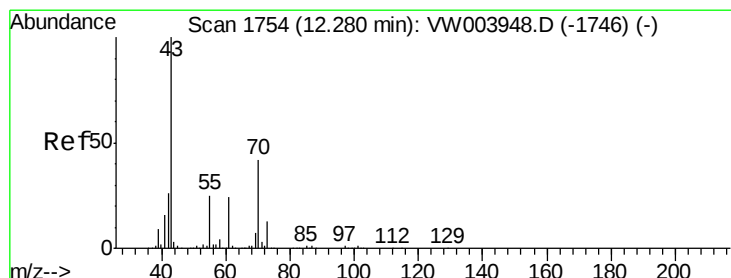
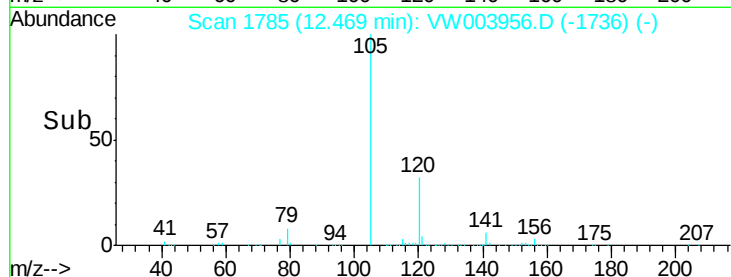
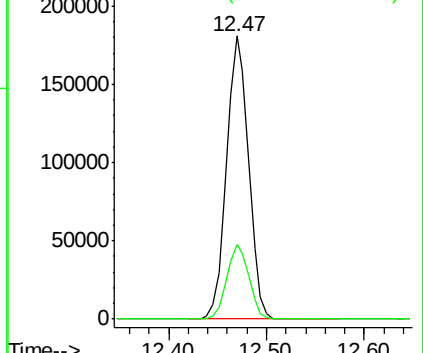
105 100

120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.778 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Tgt Ion: 43 Resp: 78020

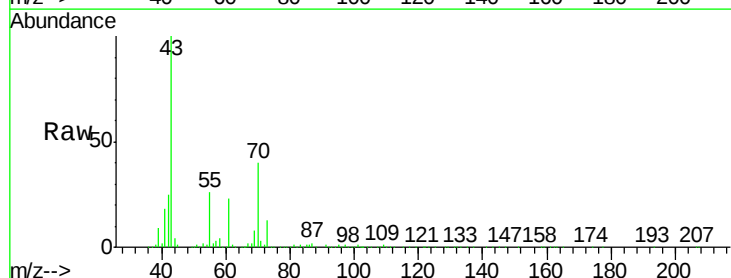
Ion Ratio Lower Upper

43 100

70 39.4 31.6 47.4

55 25.8 20.0 30.0

61 23.0 18.5 27.7

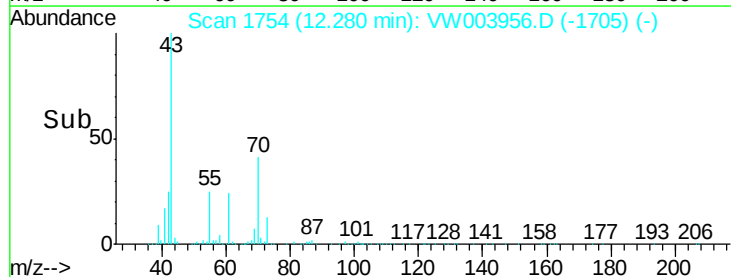
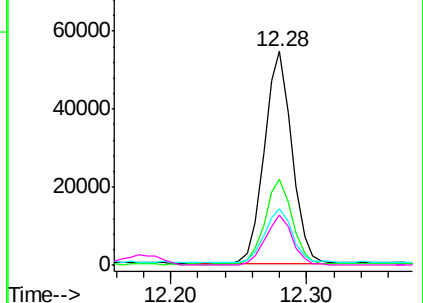


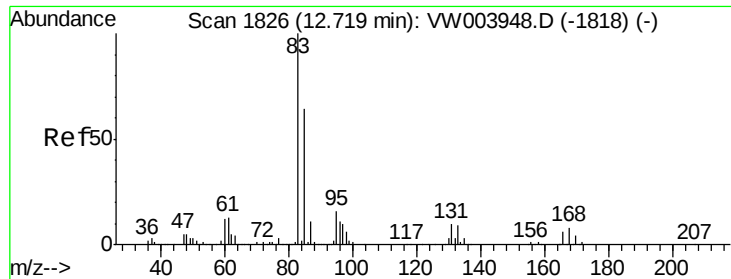
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 20.485 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

ClientSampleId :

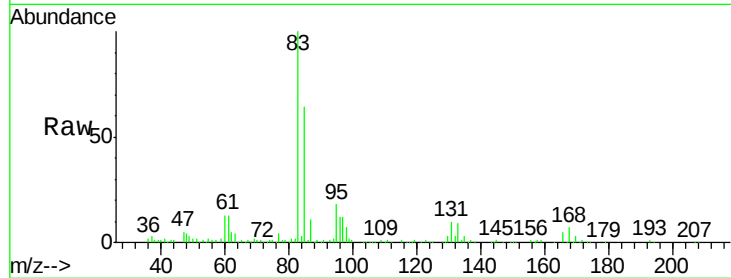
Tot Ion: 83 Resp: 57091

Ion Ratio Lower Upper

83 100

131 11.5 5.3 15.8

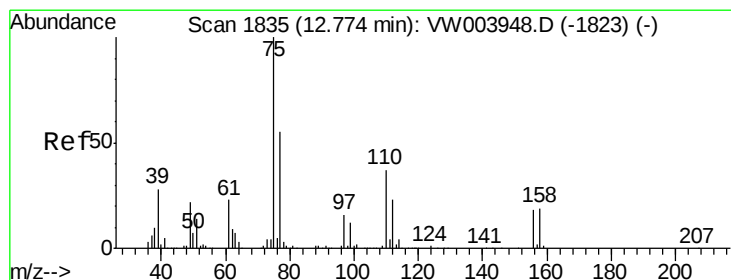
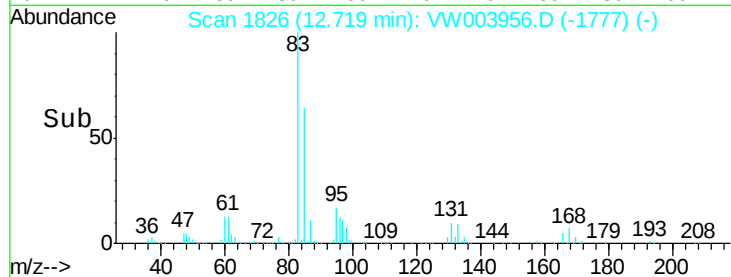
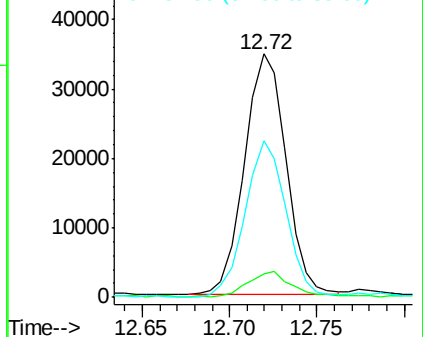
85 63.8 32.2 96.6



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: 36.998 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003956.D

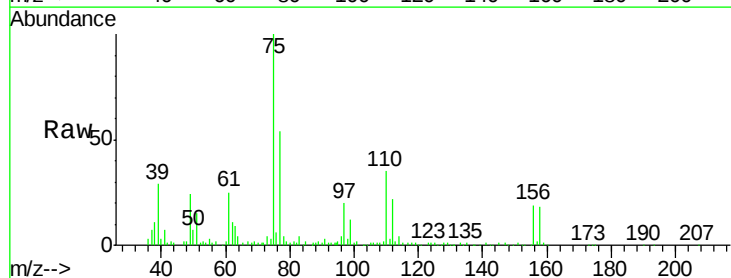
Acq: 16 Jul 2018 17:31

Tgt Ion: 75 Resp: 74907

Ion Ratio Lower Upper

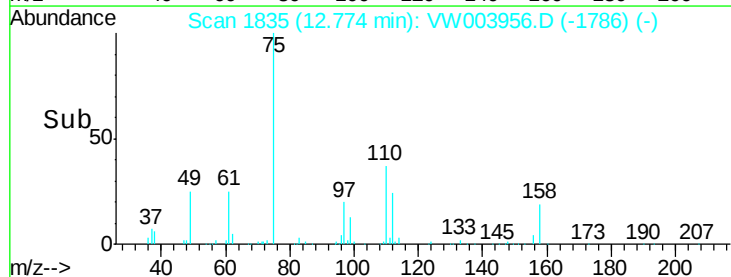
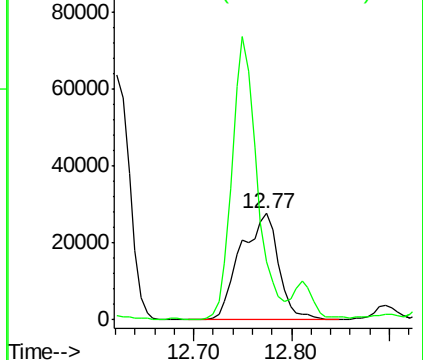
75 100

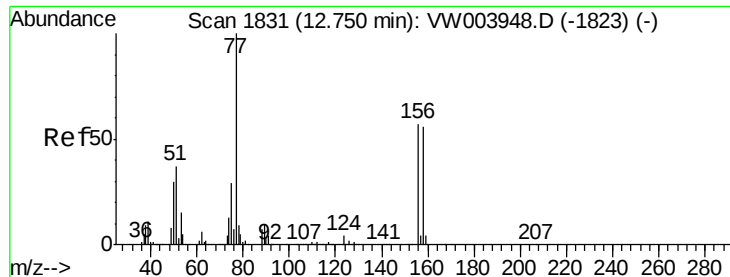
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.451 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

ClientSampleId :

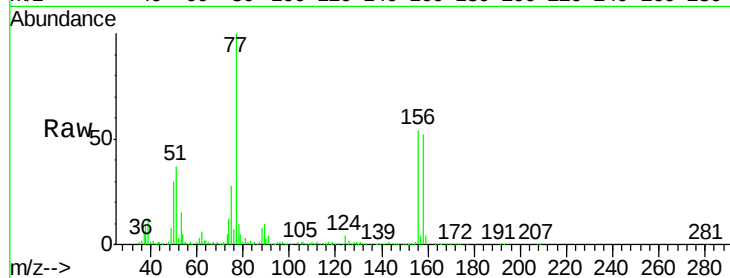
Tot Ion:156 Resp: 67073

Ion Ratio Lower Upper

156 100

77 195.1 96.2 288.6

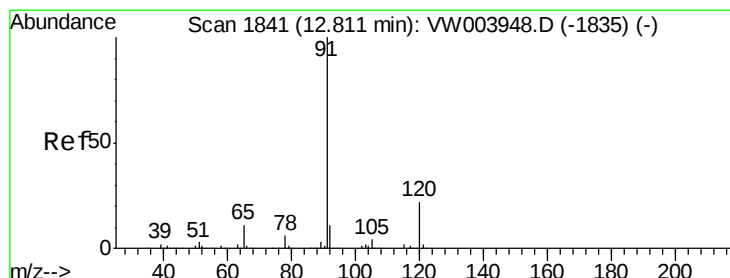
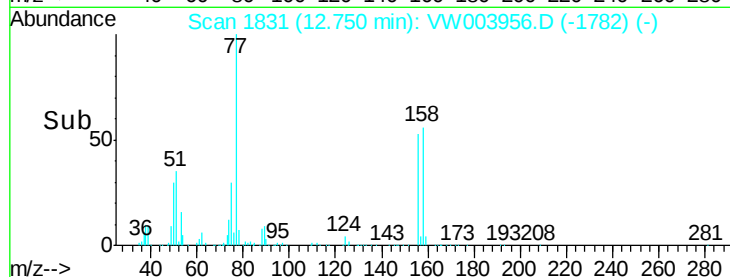
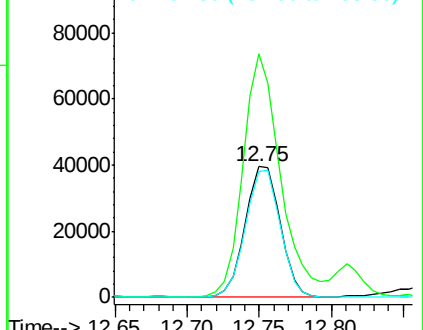
158 96.6 48.5 145.5



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: 19.625 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003956.D

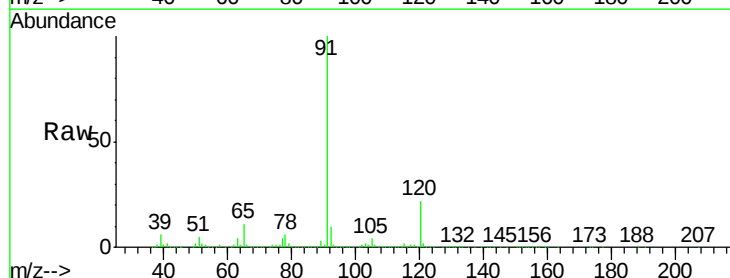
Acq: 16 Jul 2018 17:31

Tgt Ion: 91 Resp: 346953

Ion Ratio Lower Upper

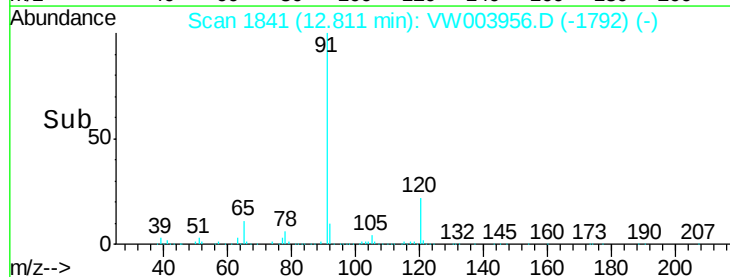
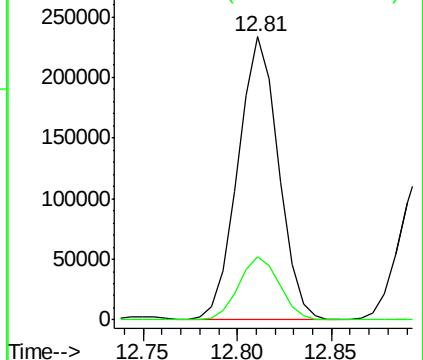
91 100

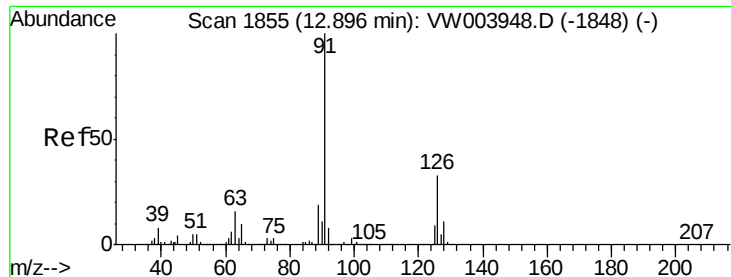
120 22.3 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.999 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

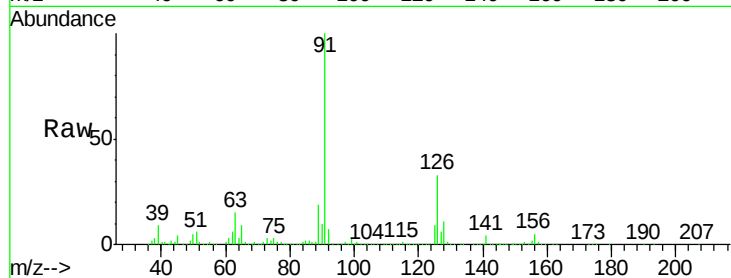
ClientSampleId :

Tot Ion: 91 Resp: 199414

Ion Ratio Lower Upper

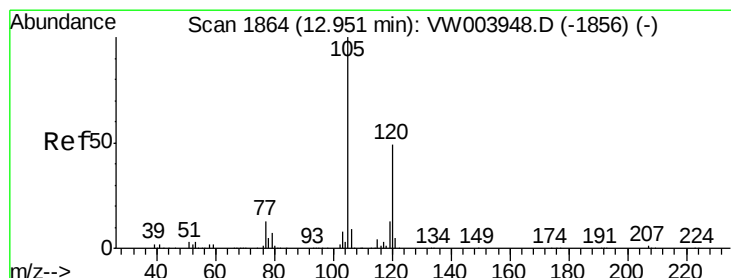
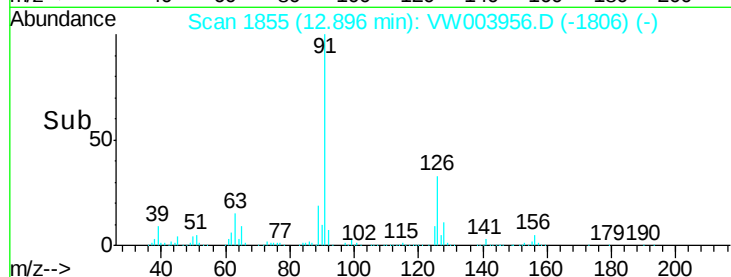
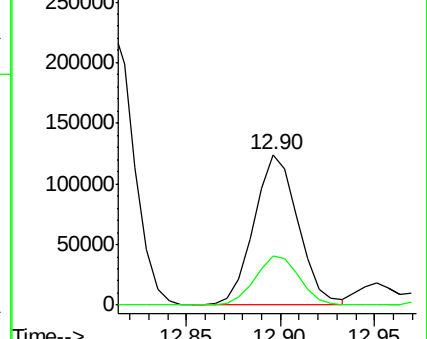
91 100

126 33.5 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.691 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003956.D

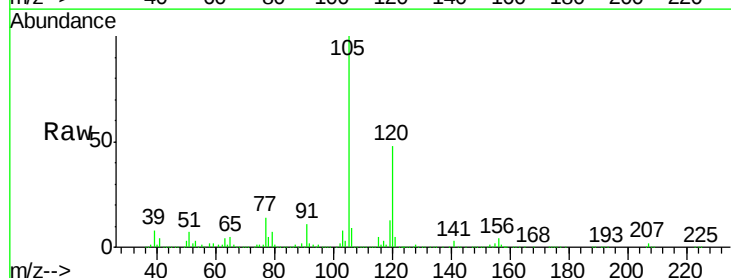
Acq: 16 Jul 2018 17:31

Tgt Ion:105 Resp: 238795

Ion Ratio Lower Upper

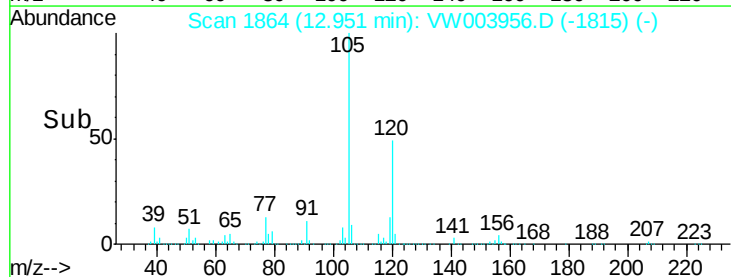
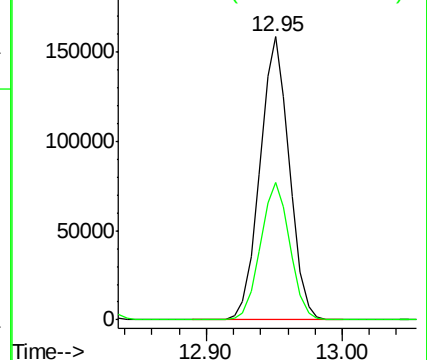
105 100

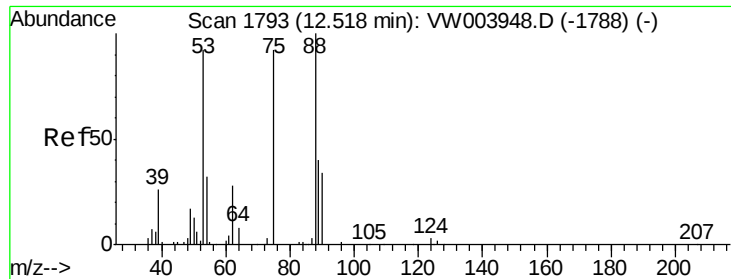
120 48.6 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.996 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

ClientSampleId :

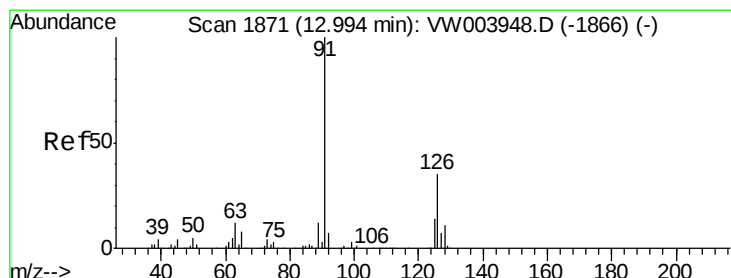
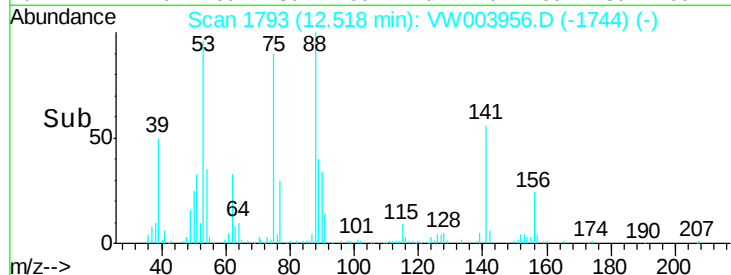
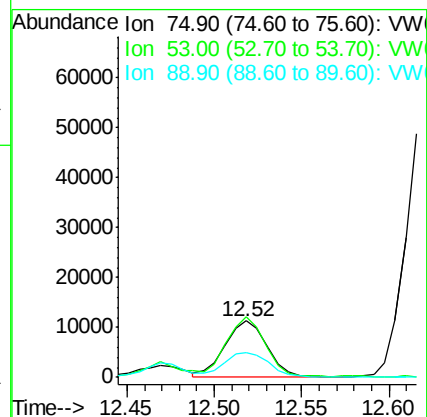
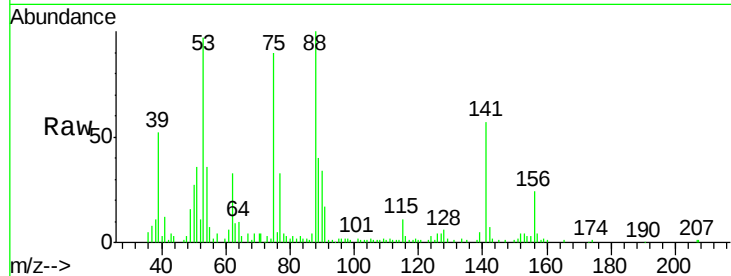
Tot Ion: 75 Resp: 18303

Ion Ratio Lower Upper

75 100

53 98.6 77.6 116.4

89 48.3 36.6 54.8



#82

4-Chlorotoluene

Concen: 19.625 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW003956.D

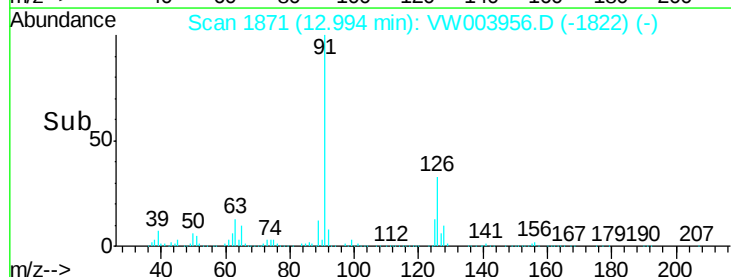
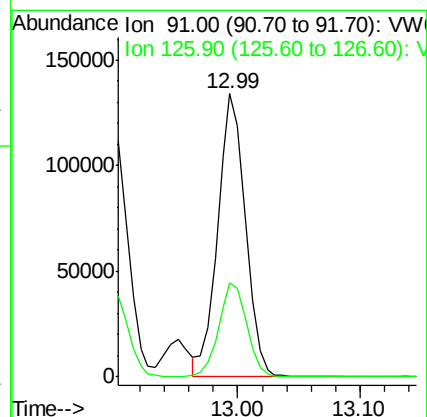
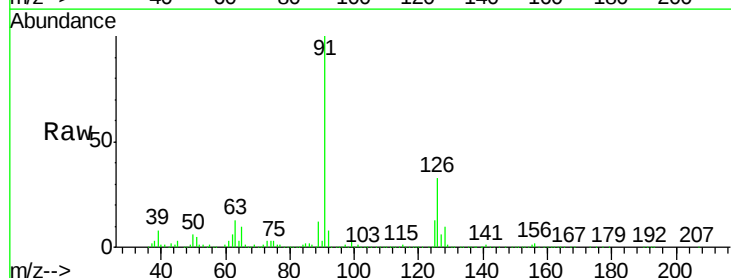
Acq: 16 Jul 2018 17:31

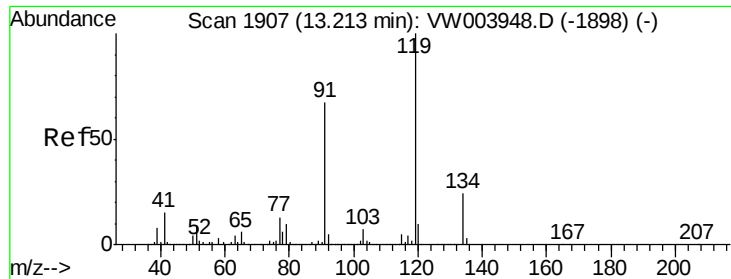
Tgt Ion: 91 Resp: 210000

Ion Ratio Lower Upper

91 100

126 33.9 16.7 50.0

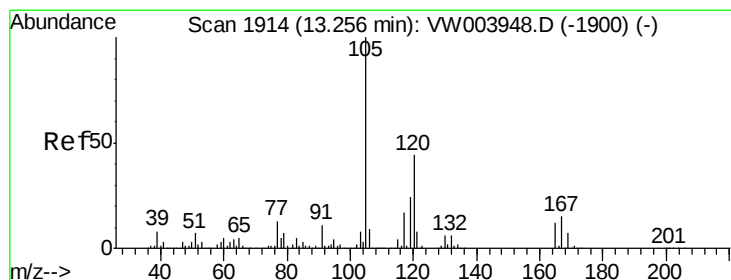
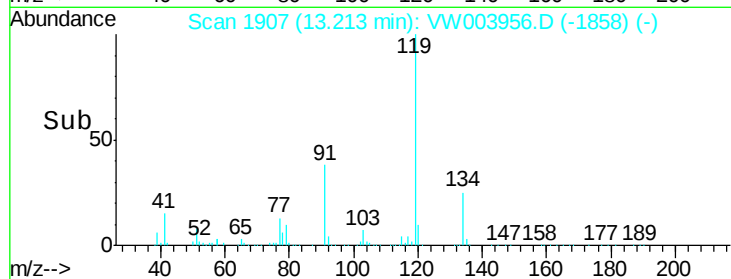
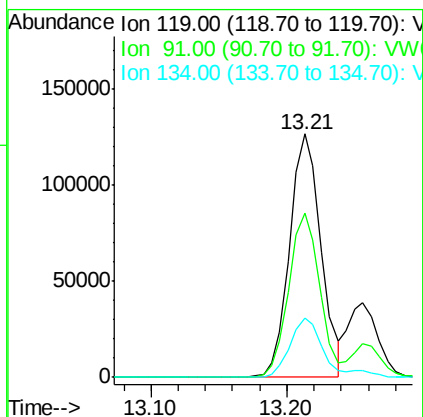
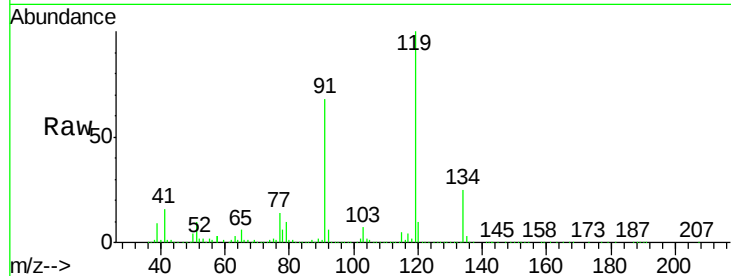




#83
tert-Butylbenzene
Concen: 19.785 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

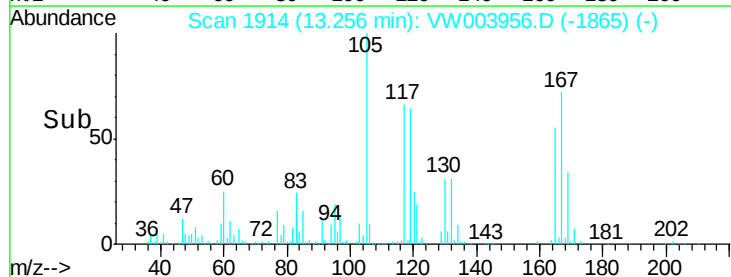
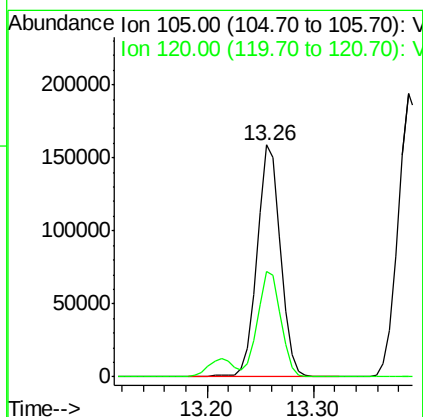
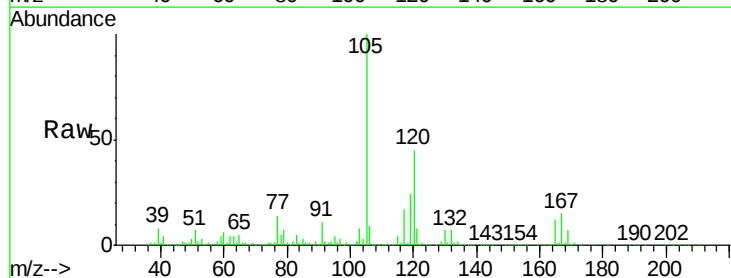
Instrument :
MSVOA_W
ClientSampleId :

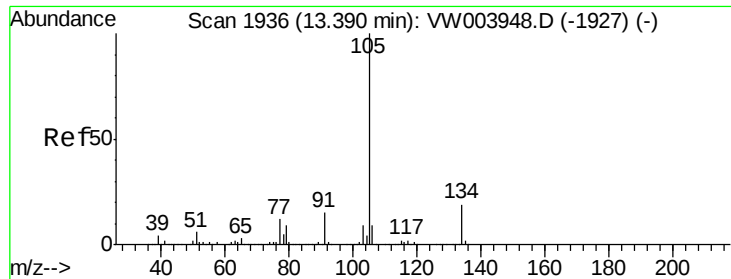
Tot Ion:119 Resp: 201440
Ion Ratio Lower Upper
119 100
91 66.7 33.2 99.6
134 26.7 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 19.595 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion:105 Resp: 244491
Ion Ratio Lower Upper
105 100
120 45.2 22.1 66.1

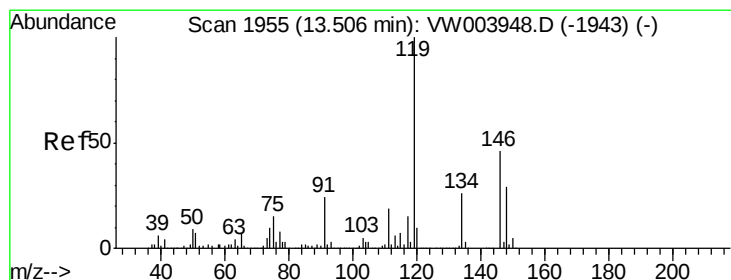
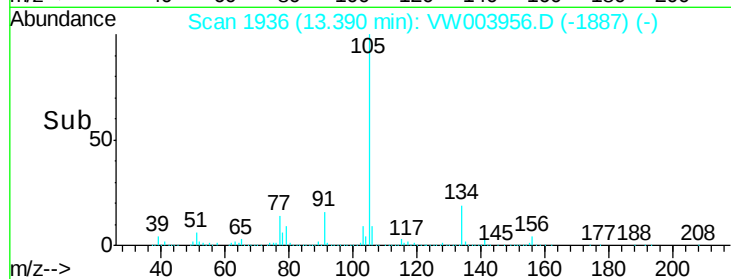
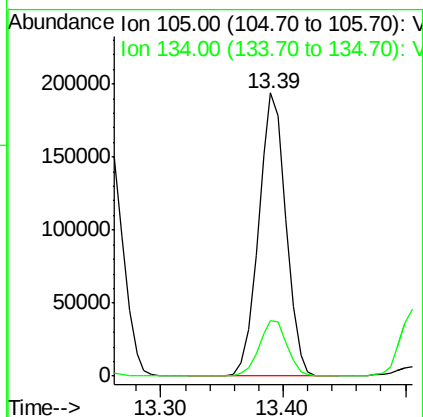
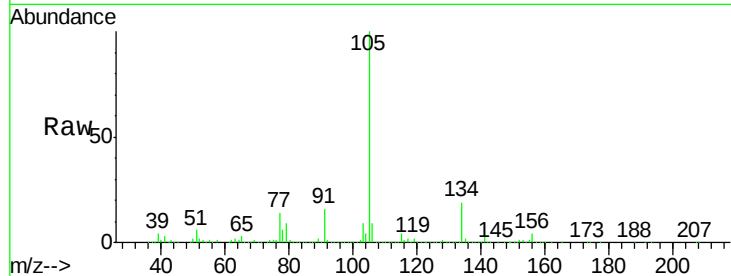




#85
 sec-Butylbenzene
 Concen: 19.871 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

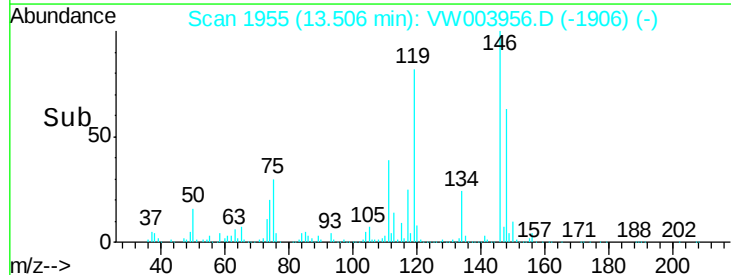
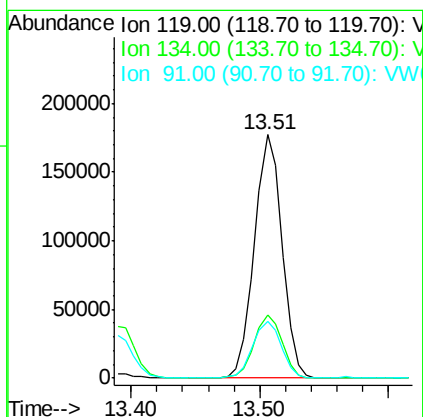
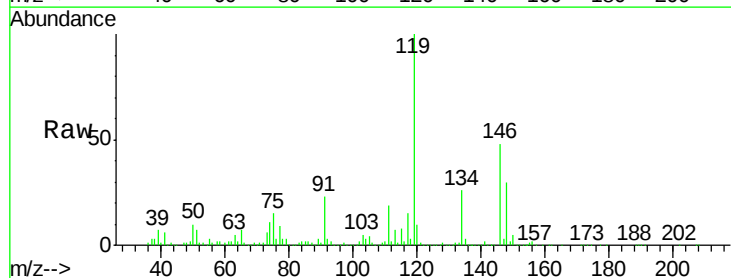
Instrument :
 MSVOA_W
 ClientSampleId :

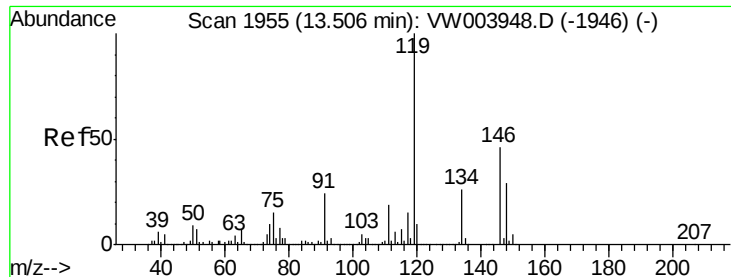
Tot Ion:105 Resp: 300189
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 19.665 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion:119 Resp: 260579
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.0 38.9
 91 23.8 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 19.516 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

ClientSampled :

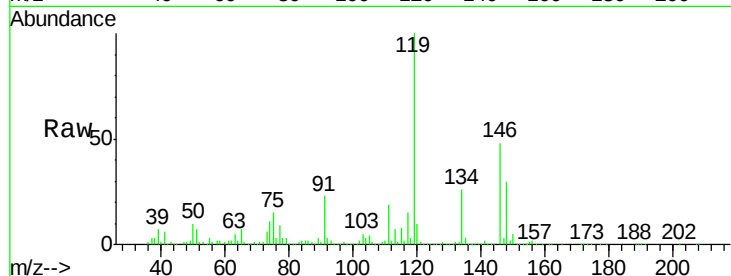
Tot Ion:146 Resp: 134414

Ion Ratio Lower Upper

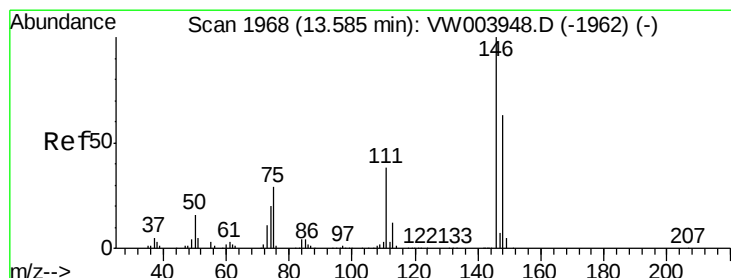
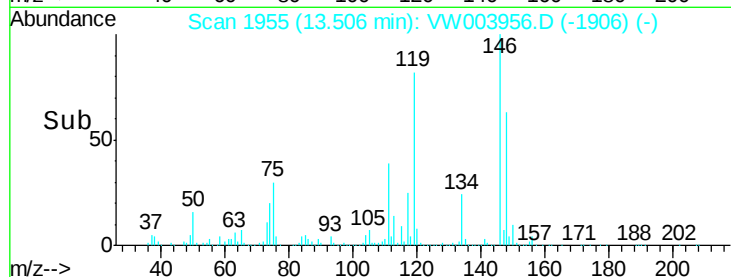
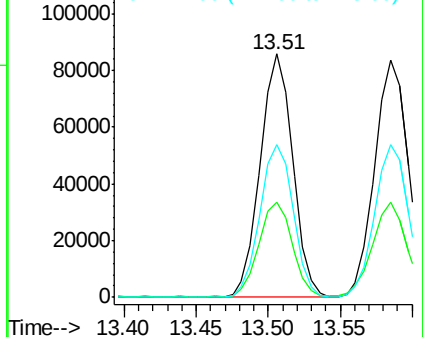
146 100

111 39.9 19.9 59.6

148 64.2 31.9 95.5



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



#88

1,4-Dichlorobenzene

Concen: 19.527 ug/l

RT: 13.59 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

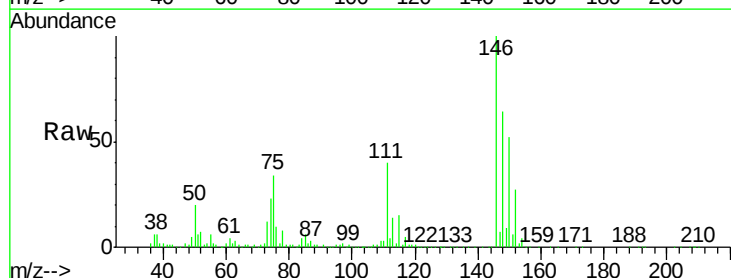
Tgt Ion:146 Resp: 134874

Ion Ratio Lower Upper

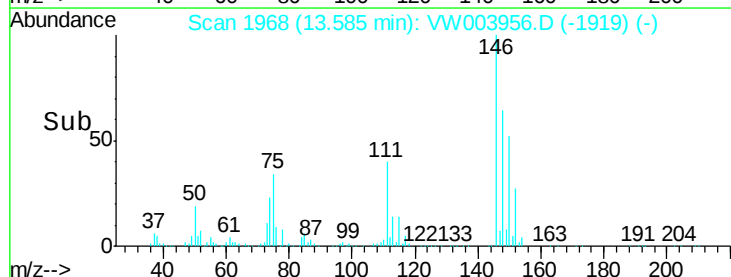
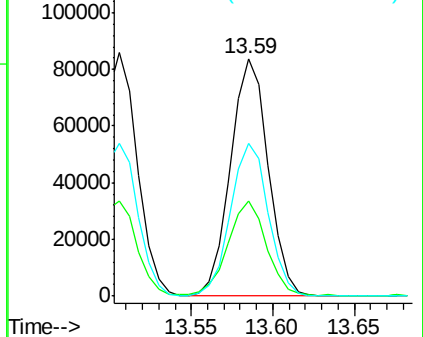
146 100

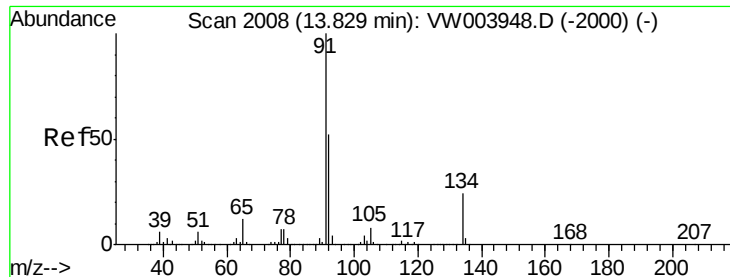
111 40.6 19.6 58.7

148 64.3 32.3 96.8



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





#89

n-Butylbenzene

Concen: 19.531 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

ClientSampled :

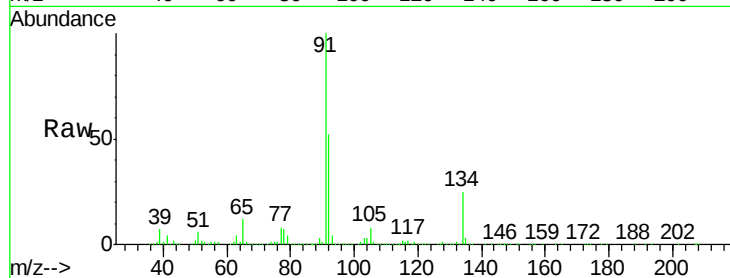
Tot Ion: 91 Resp: 254419

Ion Ratio Lower Upper

91 100

92 52.1 26.1 78.3

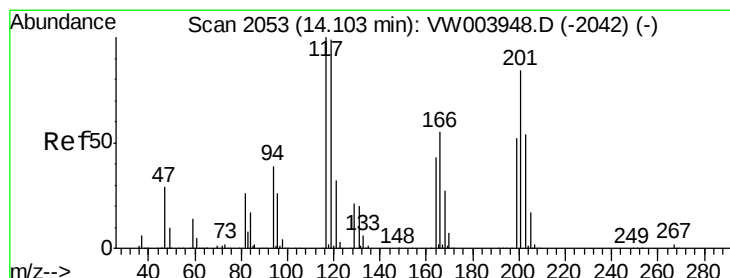
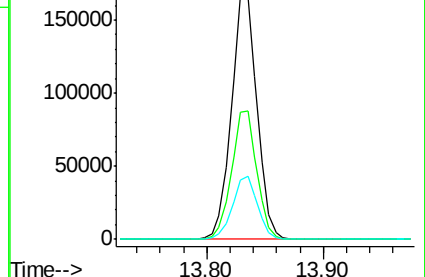
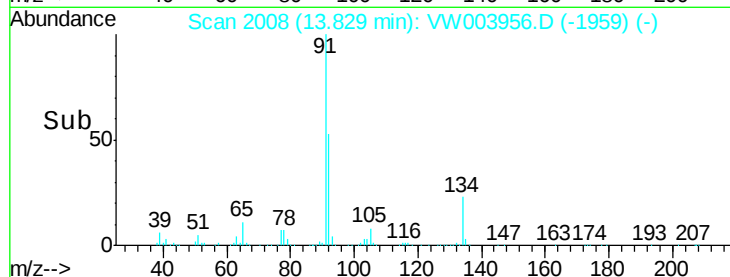
134 25.4 12.4 37.4



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: 18.941 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW003956.D

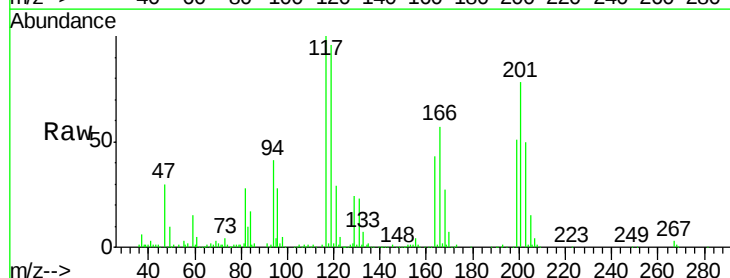
Acq: 16 Jul 2018 17:31

Tgt Ion: 117 Resp: 46267

Ion Ratio Lower Upper

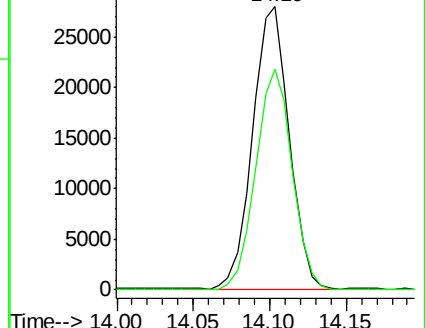
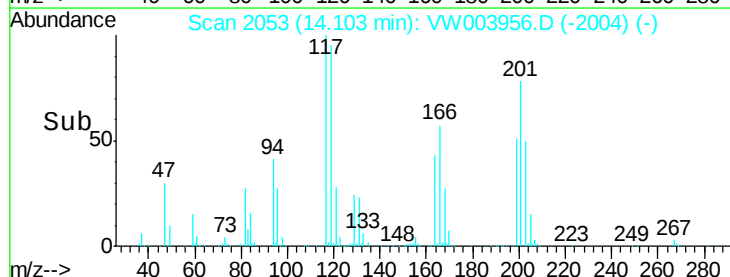
117 100

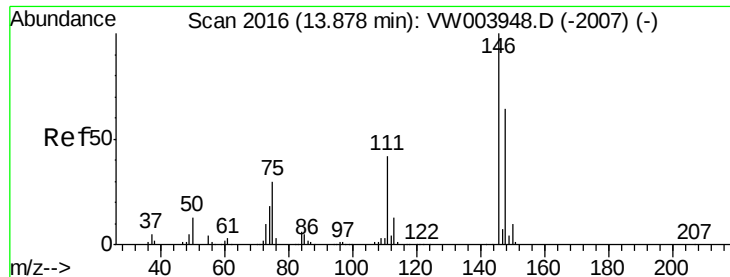
201 78.1 40.3 120.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

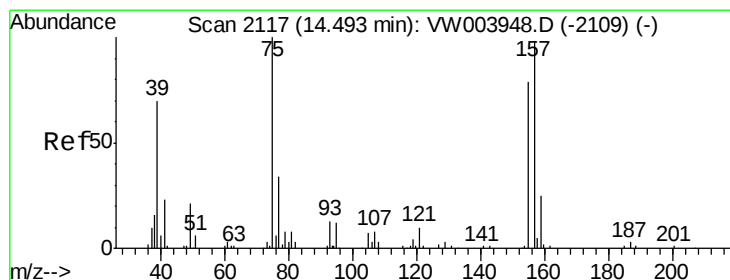
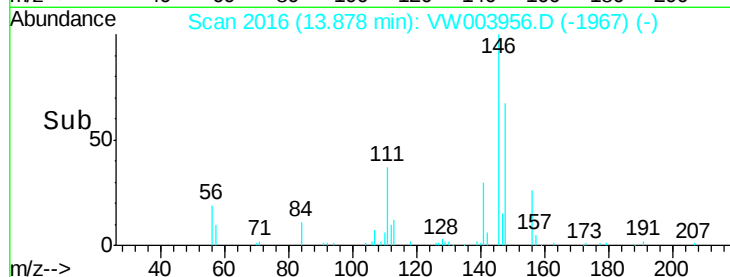
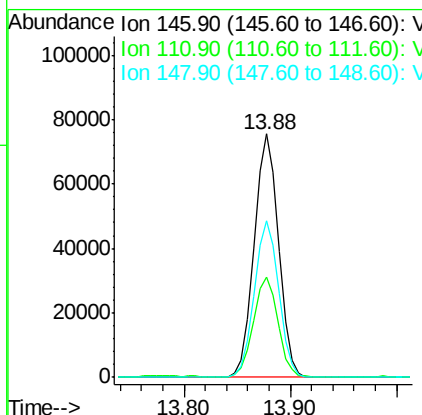
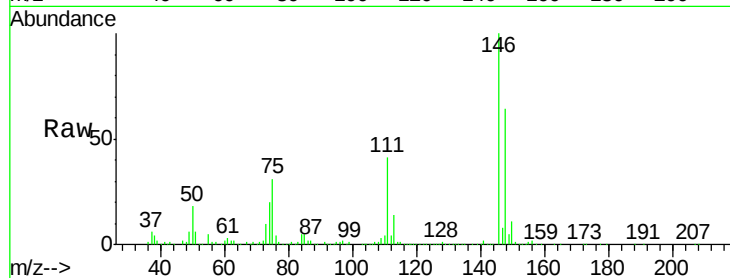




#91
 1,2-Dichlorobenzene
 Concen: 19.787 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

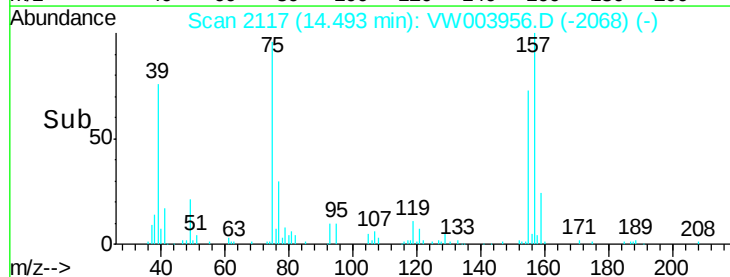
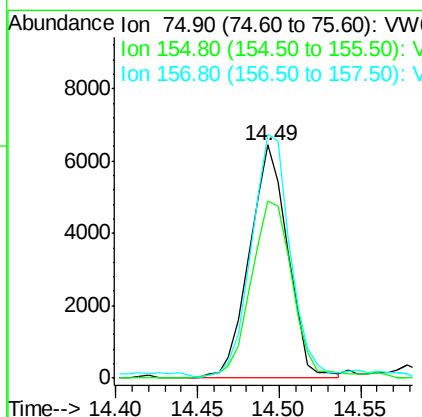
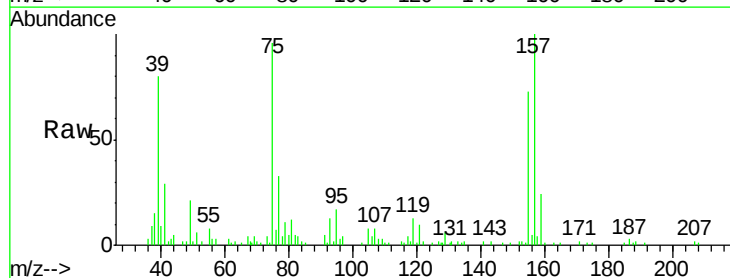
Instrument :
 MSVOA_W
 ClientSampleId :

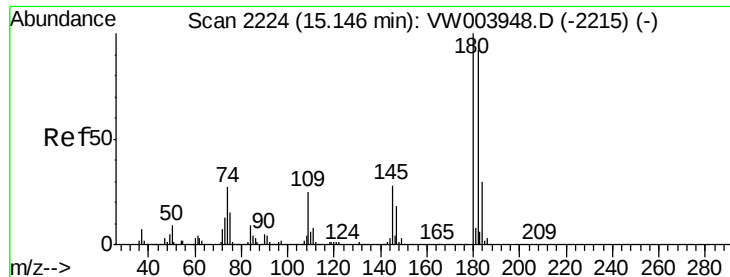
Tot Ion:146 Resp: 121416
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.7 62.1
 148 64.5 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.319 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003956.D
 Acq: 16 Jul 2018 17:31

Tgt Ion: 75 Resp: 10565
 Ion Ratio Lower Upper
 75 100
 155 83.9 39.4 118.1
 157 106.4 51.8 155.4

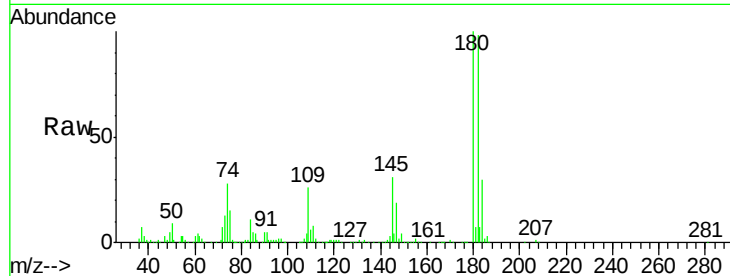




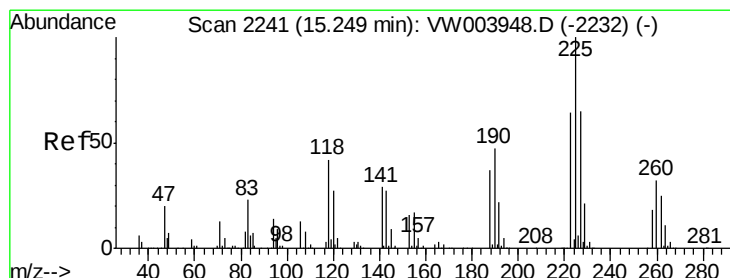
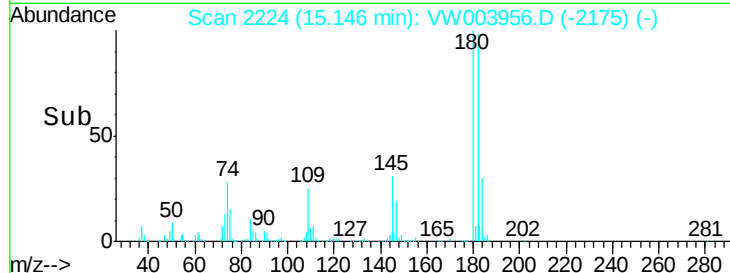
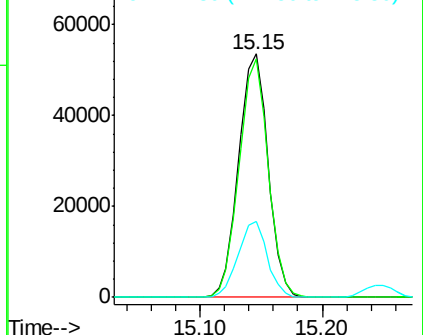
#93
1,2,4-Trichlorobenzene
Concen: 20.757 ug/l
RT: 15.15 min Scan# 2224
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:180 Resp: 89455
Ion Ratio Lower Upper
180 100
182 96.9 46.9 140.8
145 31.1 15.0 45.0

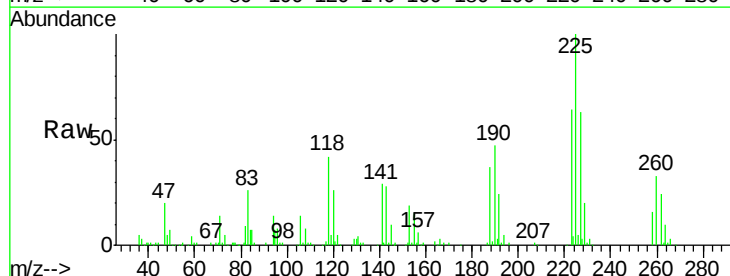


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

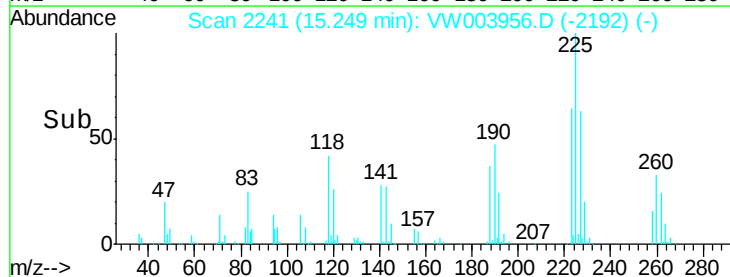
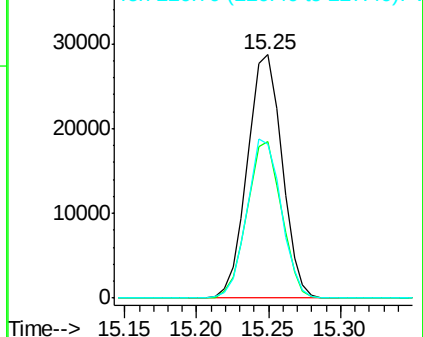


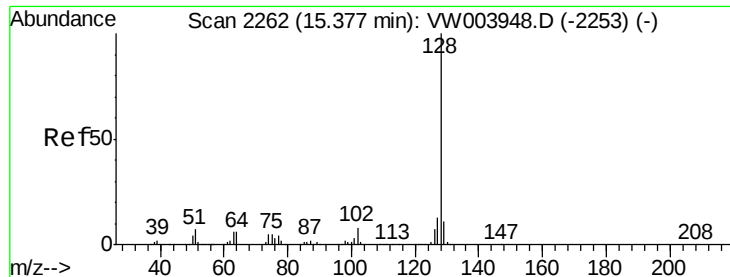
#94
Hexachlorobutadiene
Concen: 19.333 ug/l
RT: 15.25 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW003956.D
Acq: 16 Jul 2018 17:31

Tgt Ion:225 Resp: 47843
Ion Ratio Lower Upper
225 100
223 63.7 32.0 96.2
227 64.7 32.3 96.9



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





#95

Naphthalene

Concen: 22.393 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW003956.D

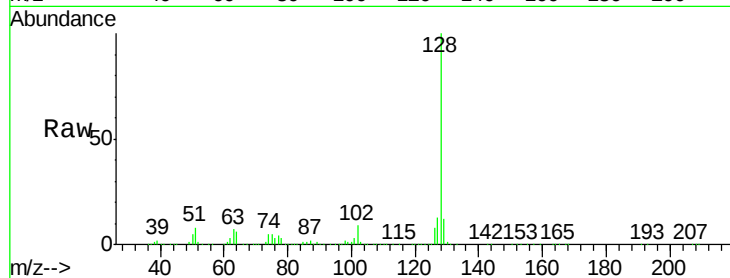
Acq: 16 Jul 2018 17:31

Instrument :

MSVOA_W

ClientSampled :

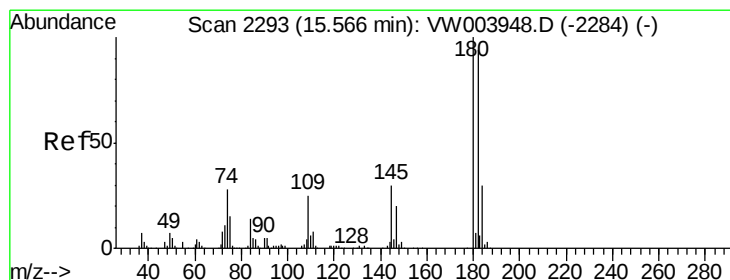
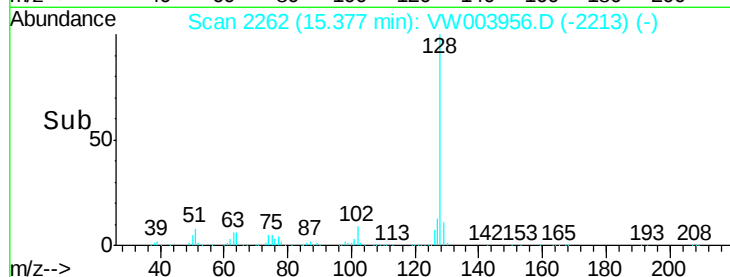
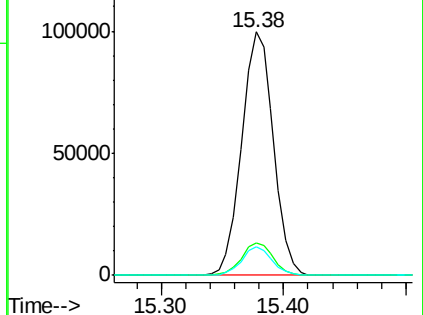
Tot Ion:128	Resp:	178119
Ion	Ratio	Lower Upper
128	100	
127	13.3	10.7 16.1
129	10.9	8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.777 ug/l

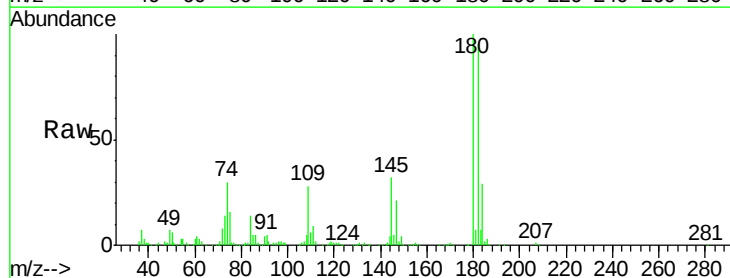
RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW003956.D

Acq: 16 Jul 2018 17:31

Tgt Ion:180	Resp:	79278
Ion	Ratio	Lower Upper
180	100	
182	94.2	47.5 142.6
145	32.2	15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

