

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
 Data File : VW003957.D
 Acq On : 16 Jul 2018 17:57
 Operator : VA/AP
 Sample : VW0716SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 17 05:50:22 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	250949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	402518	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	375190	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	196889	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	156277	55.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.42%	
35) Dibromofluoromethane	7.88	113	132930	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	10.33	98	521385	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.62	95	188450	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	30979	21.982	ug/l	97
3) Chloromethane	2.20	50	42594	22.963	ug/l	98
4) Vinyl Chloride	2.35	62	55400	21.713	ug/l	96
5) Bromomethane	2.76	94	35164	22.051	ug/l	99
6) Chloroethane	2.91	64	30757	21.217	ug/l	98
7) Trichlorofluoromethane	3.24	101	17599	16.430	ug/l	98
8) Diethyl Ether	3.67	74	27419	22.053	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.04	101	49658	20.091	ug/l	99
10) Methyl Iodide	4.26	142	71770	20.217	ug/l	99
11) Tert butyl alcohol	5.20	59	21070	108.808	ug/l	98
12) 1,1-Dichloroethene	4.02	96	51398	21.075	ug/l	98
13) Acrolein	3.89	56	22322	112.189	ug/l	93
14) Allyl chloride	4.65	41	71054	17.650	ug/l	99
15) Acrylonitrile	5.37	53	67867	106.523	ug/l	97
16) Acetone	4.12	43	65731	97.514	ug/l	97
17) Carbon Disulfide	4.37	76	155233	20.392	ug/l	100
18) Methyl Acetate	4.67	43	34647	21.413	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	100339	21.467	ug/l	96
20) Methylene Chloride	4.92	84	66532	17.200	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	54319	20.319	ug/l	97
22) Diisopropyl ether	6.31	45	176637	21.711	ug/l	98
23) Vinyl Acetate	6.26	43	580734	112.655	ug/l	100
24) 1,1-Dichloroethane	6.21	63	104919	21.135	ug/l	98
25) 2-Butanone	7.18	43	102947	113.490	ug/l	99
26) 2,2-Dichloropropane	7.16	77	54215	19.026	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	60016	20.767	ug/l	100
28) Bromochloromethane	7.51	49	46574	22.925	ug/l	98
29) Tetrahydrofuran	7.53	42	65849	116.541	ug/l	99
30) Chloroform	7.68	83	106089	21.485	ug/l	98
31) Cyclohexane	7.95	56	94437	20.294	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	77619	20.130	ug/l	99
36) 1,1-Dichloropropene	8.08	75	82587	19.942	ug/l	100
37) Ethyl Acetate	7.26	43	45095	22.576	ug/l	99
38) Carbon Tetrachloride	8.07	117	76264	19.709	ug/l	99

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Quant Time: Jul 17 05:50:22 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	92907	19.156	ug/l	97
40) Benzene	8.32	78	236596	20.592	ug/l	100
41) Methacrylonitrile	7.49	41	22383	20.223	ug/l	95
42) 1,2-Dichloroethane	8.40	62	75767	21.615	ug/l	100
43) Isopropyl Acetate	8.43	43	82500	22.082	ug/l	99
44) Trichloroethene	9.09	130	59781	20.072	ug/l	95
45) 1,2-Dichloropropane	9.37	63	61555	20.991	ug/l	100
46) Dibromomethane	9.46	93	32600	21.424	ug/l	99
47) Bromodichloromethane	9.65	83	78464	20.916	ug/l	97
48) Methyl methacrylate	9.44	41	39471	21.845	ug/l	98
49) 1,4-Dioxane	9.46	88	10133	433.208	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	227210	114.151	ug/l	99
52) Toluene	10.39	92	146871	20.672	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	81349	20.738	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	91106	20.302	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	45901	21.448	ug/l	99
56) Ethyl methacrylate	10.65	69	58899	21.053	ug/l	95
57) 1,3-Dichloropropane	10.94	76	81035	21.794	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	146435	115.339	ug/l	99
59) 2-Hexanone	10.98	43	157217	112.067	ug/l	98
60) Dibromochloromethane	11.13	129	52647	21.124	ug/l	99
61) 1,2-Dibromoethane	11.24	107	44162	21.687	ug/l	97
64) Tetrachloroethene	10.87	164	52386	20.349	ug/l	98
65) Chlorobenzene	11.66	112	162439	20.361	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	56409	20.347	ug/l	99
67) Ethyl Benzene	11.74	91	279557	19.947	ug/l	98
68) m/p-Xylenes	11.85	106	212012	39.580	ug/l	98
69) o-Xylene	12.17	106	99381	20.001	ug/l	100
70) Styrene	12.19	104	170650	20.562	ug/l	99
71) Bromoform	12.35	173	32195	20.568	ug/l #	98
73) Isopropylbenzene	12.47	105	270285	19.427	ug/l	99
74) N-amyl acetate	12.28	43	79157	21.836	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	57578	21.400	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	76491	39.133	ug/l #	100
77) Bromobenzene	12.76	156	67116	20.161	ug/l	98
78) n-propylbenzene	12.81	91	338515	19.833	ug/l	100
79) 2-Chlorotoluene	12.90	91	194087	20.162	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	233203	19.918	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	18123	20.509	ug/l	95
82) 4-Chlorotoluene	12.99	91	206933	20.031	ug/l	99
83) tert-Butylbenzene	13.21	119	192719	19.606	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	241608	20.057	ug/l	98
85) sec-Butylbenzene	13.39	105	285997	19.609	ug/l	99
86) p-Isopropyltoluene	13.51	119	254282	19.876	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	135324	20.352	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	135737	20.356	ug/l	99
89) n-Butylbenzene	13.83	91	244156	19.414	ug/l	99
90) Hexachloroethane	14.10	117	46055	19.529	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	123024	20.767	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10402	21.741	ug/l	97

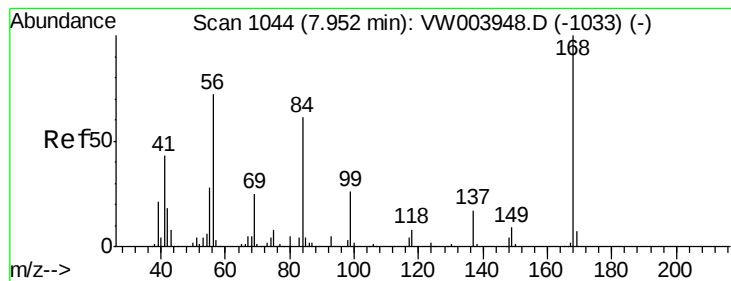
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
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Quant Title : SW846 8260
QLast Update : Mon Jul 16 15:06:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	88881	21.363	ug/l	98
94) Hexachlorobutadiene	15.25	225	46843	19.607	ug/l	100
95) Naphthalene	15.38	128	173207	22.555	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	79323	21.534	ug/l	100

(#) = 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: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :

MSVOA_W

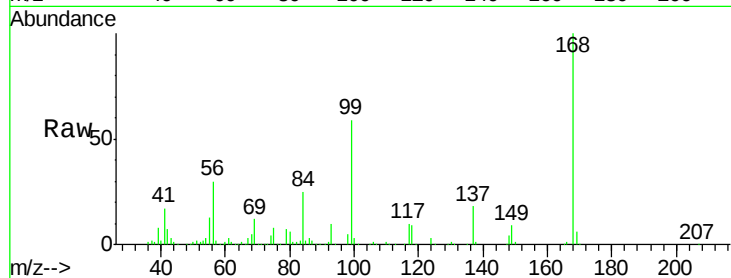
ClientSampleId :

Tot Ion:168 Resp: 250949

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

120000

100000

80000

60000

40000

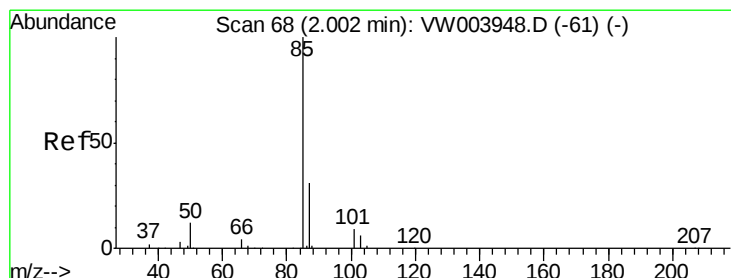
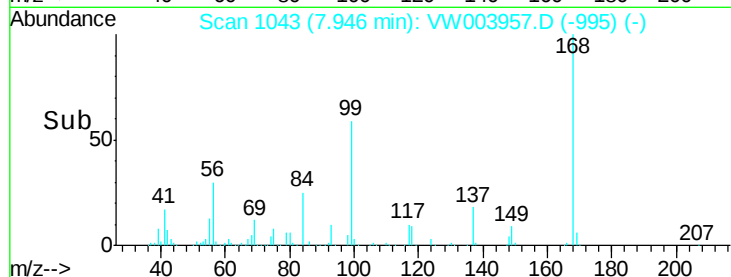
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 21.982 ug/l

RT: 2.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VW003957.D

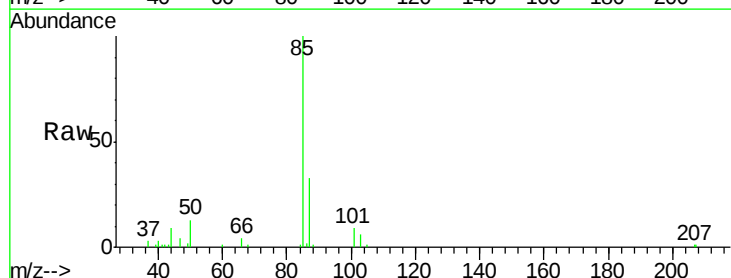
Acq: 16 Jul 2018 17:57

Tgt Ion: 85 Resp: 30979

Ion Ratio Lower Upper

85 100

87 32.7 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

6000

4000

2000

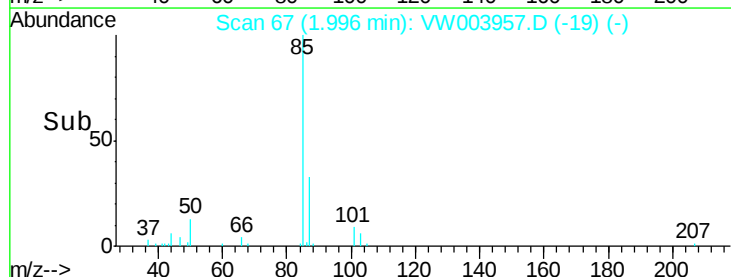
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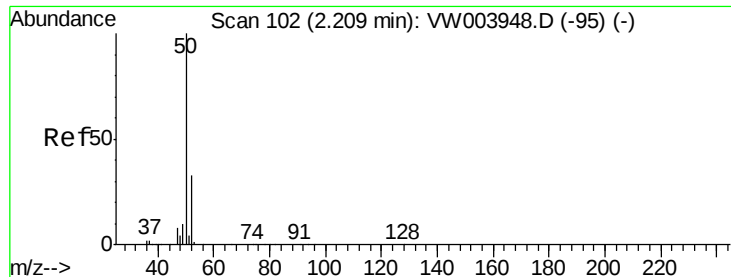
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 22.963 ug/l

RT: 2.20 min Scan# 101

Delta R.T. -0.01 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :

MSVOA_W

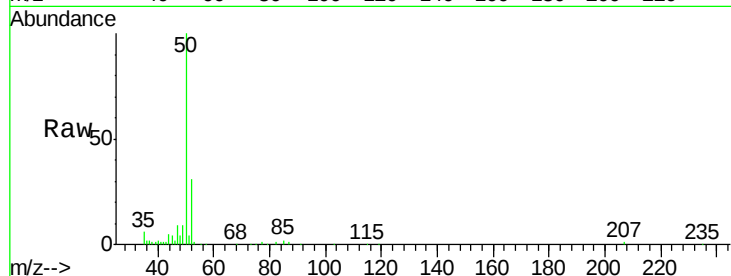
ClientSampled :

Tot Ion: 50 Resp: 42594

Ion Ratio Lower Upper

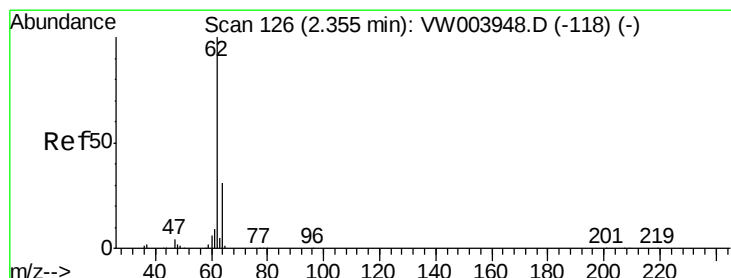
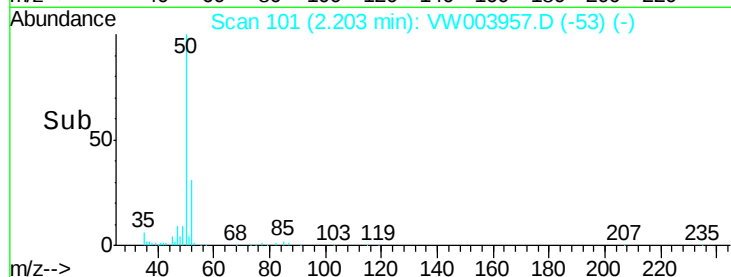
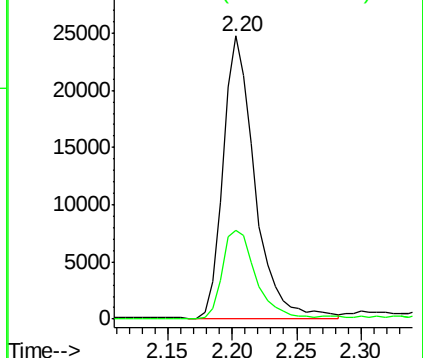
50 100

52 31.5 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 21.713 ug/l

RT: 2.35 min Scan# 125

Delta R.T. -0.01 min

Lab File: VW003957.D

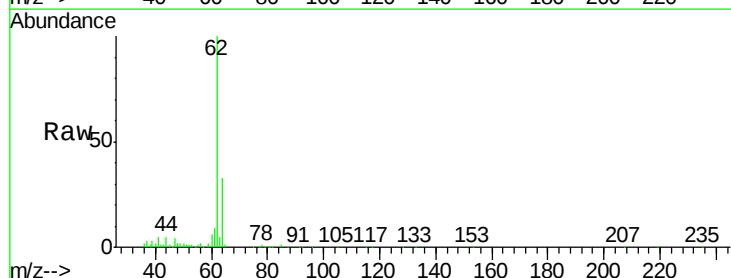
Acq: 16 Jul 2018 17:57

Tgt Ion: 62 Resp: 55400

Ion Ratio Lower Upper

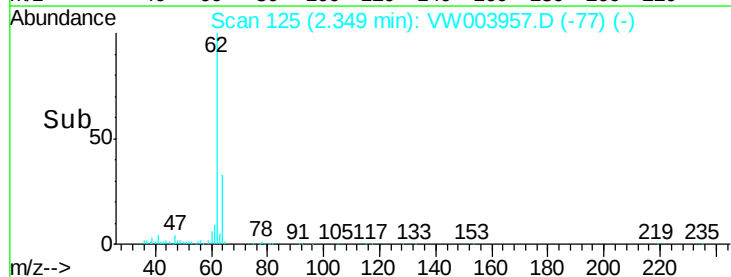
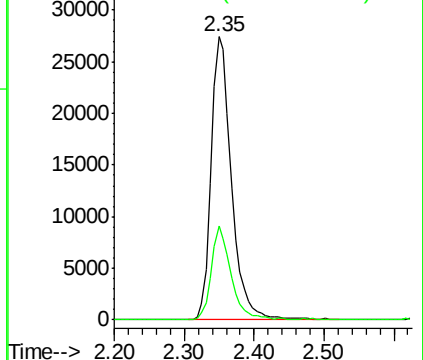
62 100

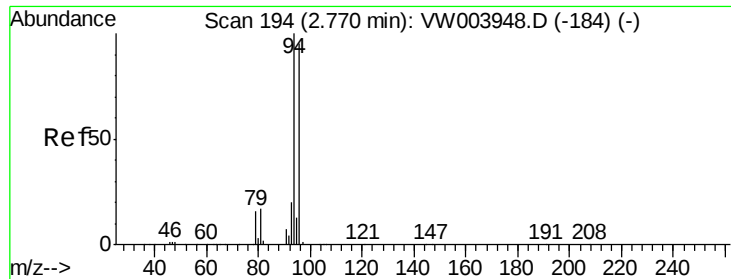
64 33.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 22.051 ug/l

RT: 2.76 min Scan# 192

Delta R.T. -0.01 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :

MSVOA_W

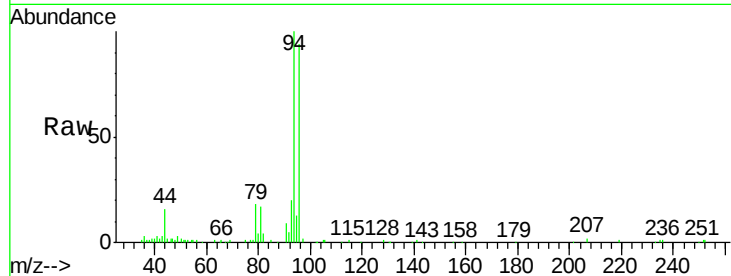
ClientSampled :

Tot Ion: 94 Resp: 35164

Ion Ratio Lower Upper

94 100

96 93.9 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

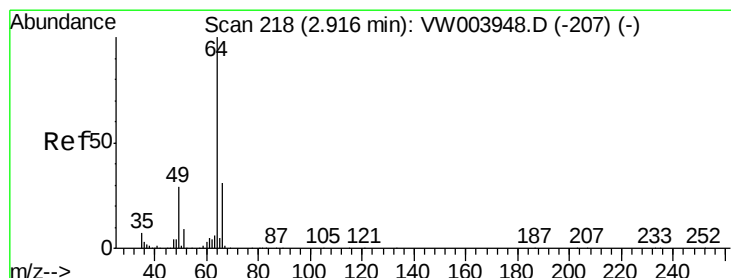
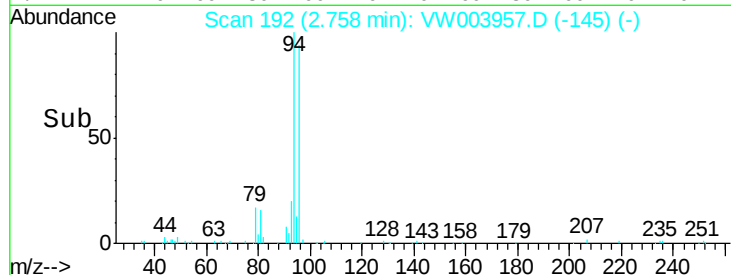
10000

5000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 21.217 ug/l

RT: 2.91 min Scan# 217

Delta R.T. -0.01 min

Lab File: VW003957.D

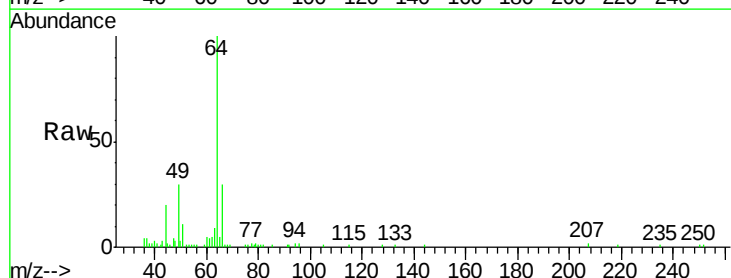
Acq: 16 Jul 2018 17:57

Tgt Ion: 64 Resp: 30757

Ion Ratio Lower Upper

64 100

66 29.6 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.91

10000

8000

6000

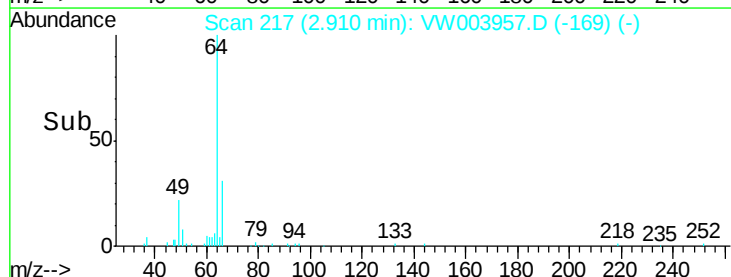
4000

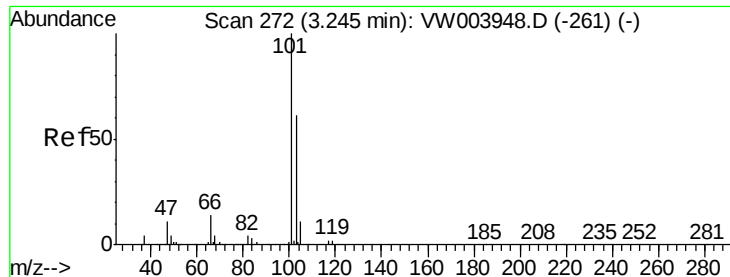
2000

0

Time-->

2.80 2.90 3.00



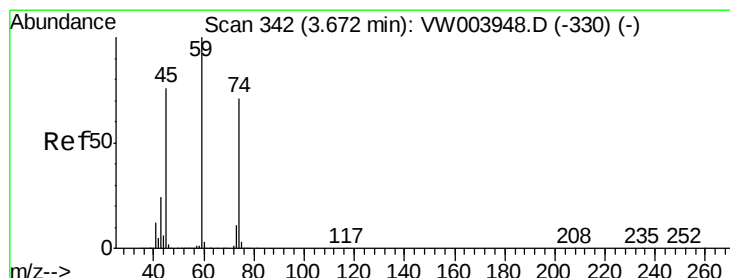
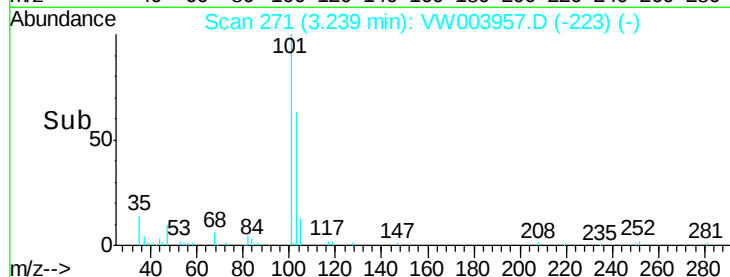
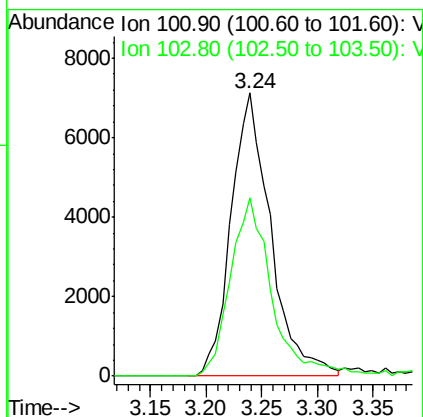
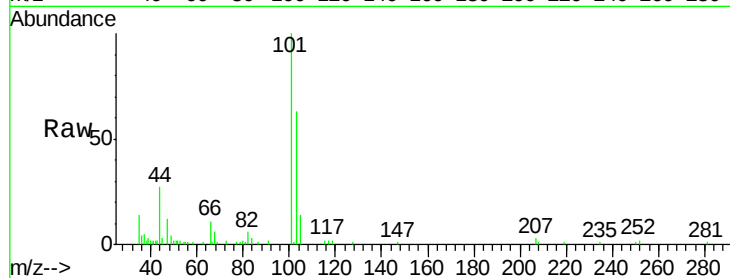


#7

Trichlorofluoromethane
Concen: 16.430 ug/l
RT: 3.24 min Scan# 271
Delta R.T. -0.01 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

Instrument :
MSVOA_W
ClientSampled :

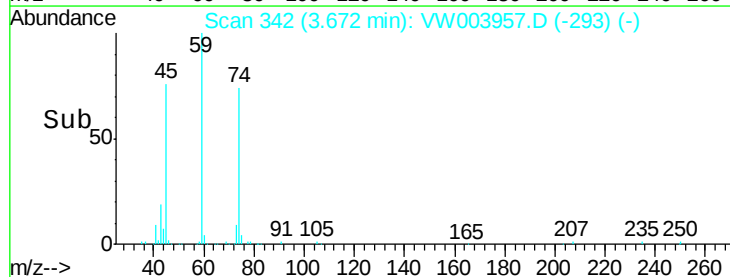
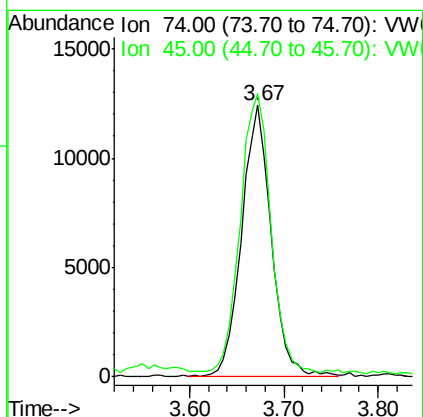
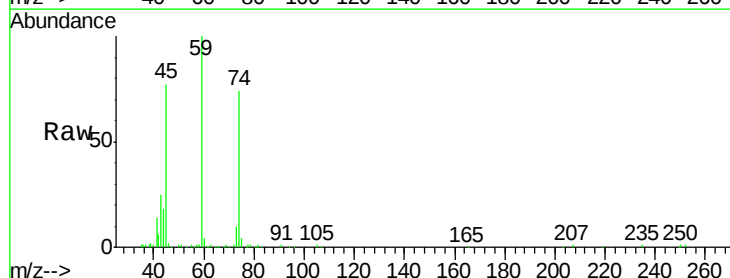
Tot Ion:101 Resp: 17599
Ion Ratio Lower Upper
101 100
103 62.8 49.0 73.6

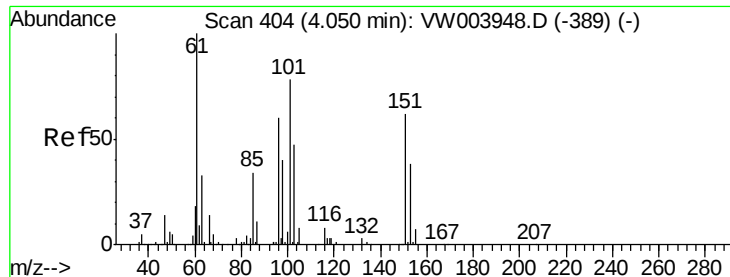


#8

Diethyl Ether
Concen: 22.053 ug/l
RT: 3.67 min Scan# 342
Delta R.T. 0.00 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

Tgt Ion: 74 Resp: 27419
Ion Ratio Lower Upper
74 100
45 105.1 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.091 ug/l

RT: 4.04 min Scan# 402

Delta R.T. -0.01 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :

MSVOA_W

ClientSampleId :

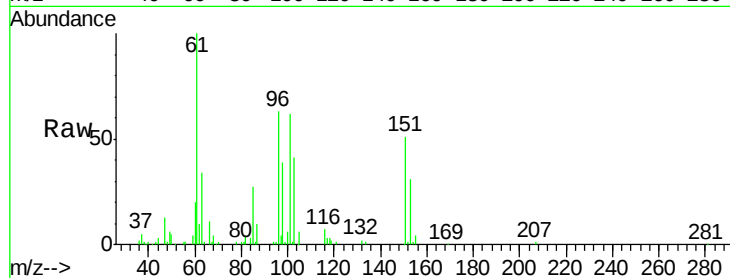
Tot Ion:101 Resp: 49658

Ion Ratio Lower Upper

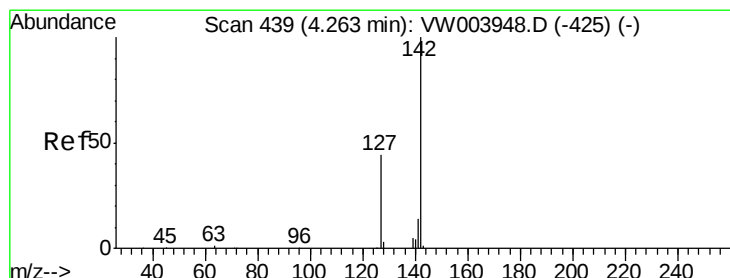
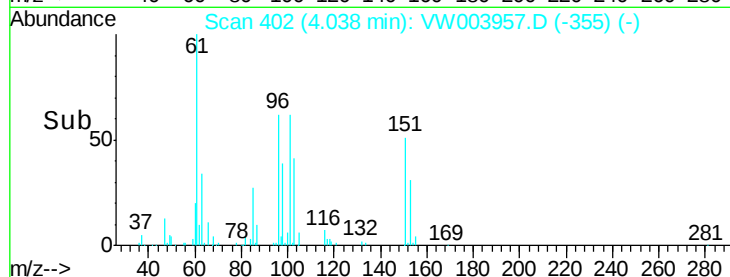
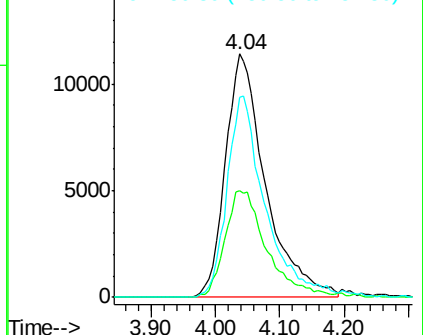
101 100

85 45.5 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: 20.217 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.01 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

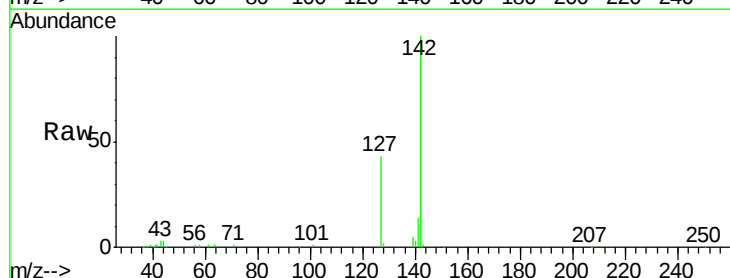
Tgt Ion:142 Resp: 71770

Ion Ratio Lower Upper

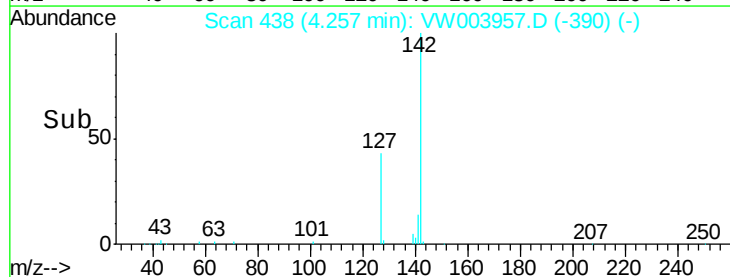
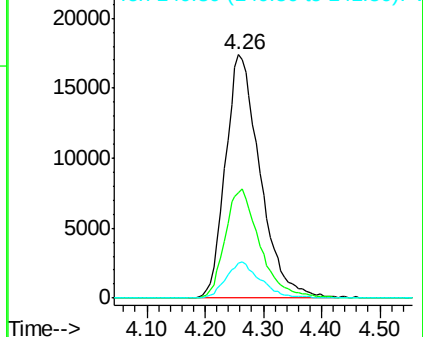
142 100

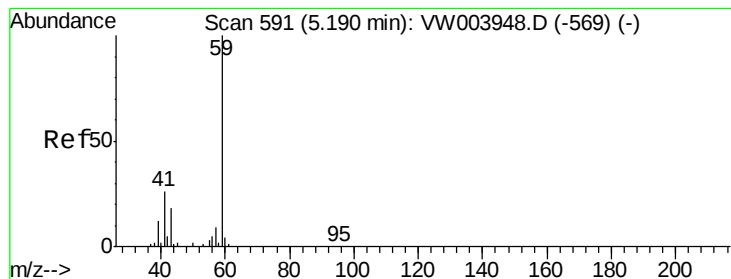
127 44.9 35.4 53.2

141 14.7 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



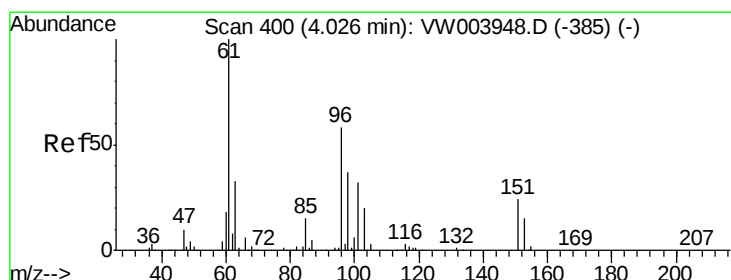
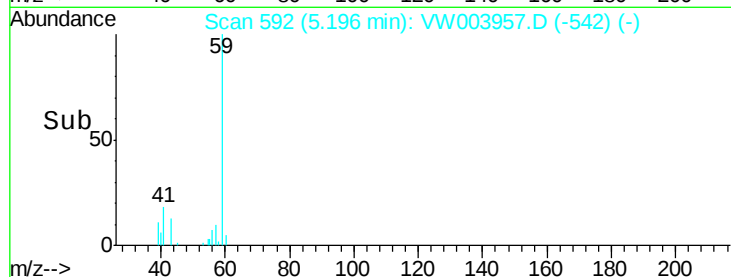
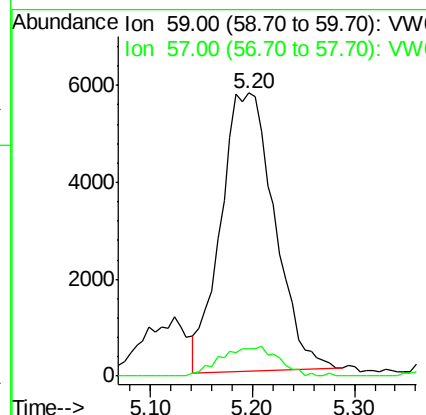
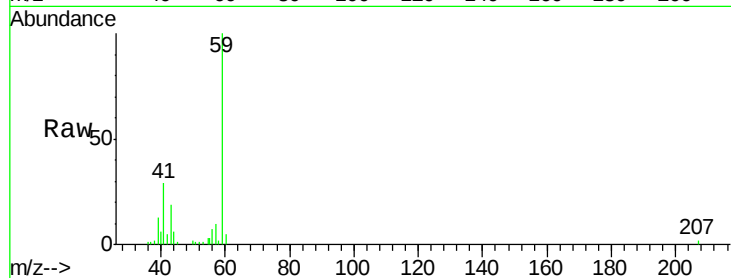


#11

Tert butyl alcohol
Concen: 108.808 ug/l
RT: 5.20 min Scan# 592
Delta R.T. 0.01 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

Instrument :
MSVOA_W
ClientSampleId :

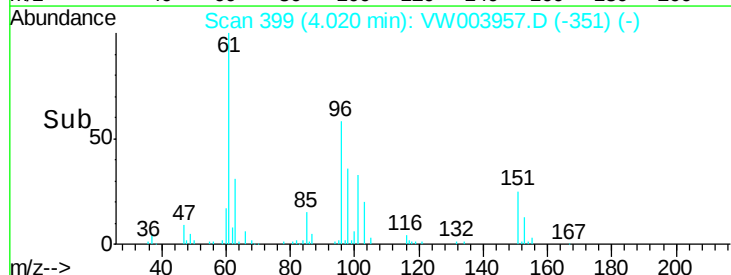
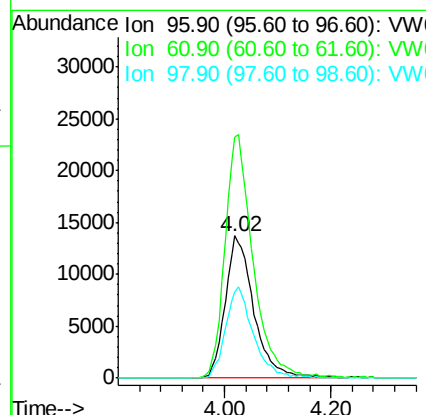
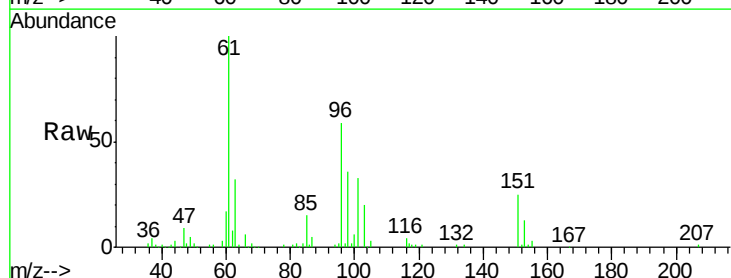
Tot Ion: 59 Resp: 21070
Ion Ratio Lower Upper
59 100
57 11.3 8.5 12.7

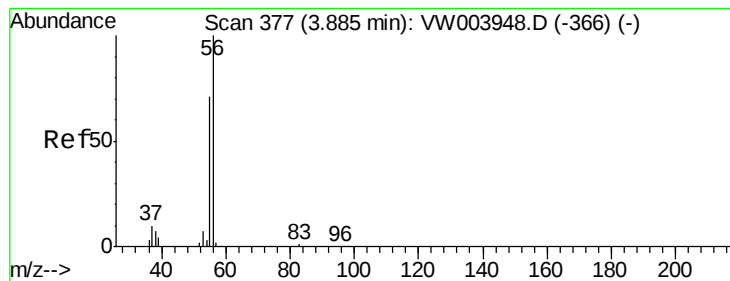


#12

1,1-Dichloroethene
Concen: 21.075 ug/l
RT: 4.02 min Scan# 399
Delta R.T. -0.01 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

Tgt Ion: 96 Resp: 51398
Ion Ratio Lower Upper
96 100
61 169.6 137.0 205.6
98 60.6 50.2 75.4





#13

Acrolein

Concen: 112.189 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :

MSVOA_W

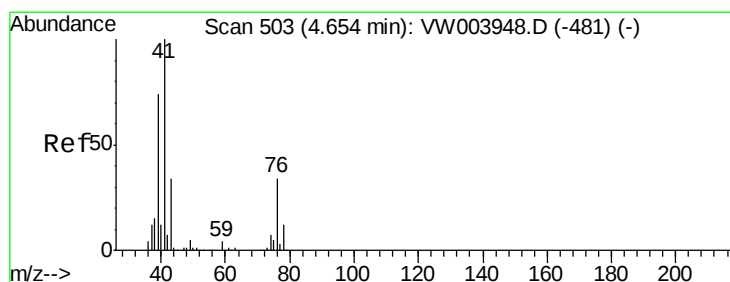
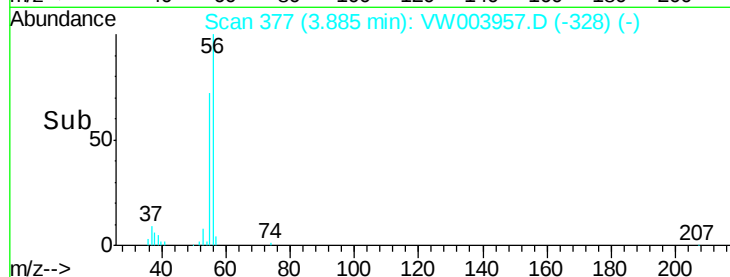
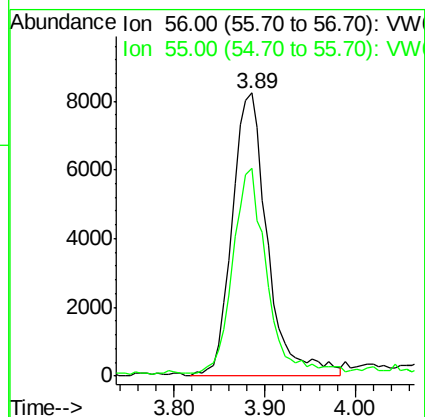
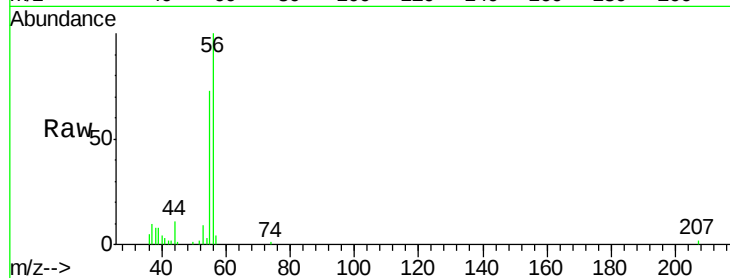
ClientSampleId :

Tot Ion: 56 Resp: 22322

Ion Ratio Lower Upper

56 100

55 66.9 58.2 87.4



#14

Allyl chloride

Concen: 17.650 ug/l

RT: 4.65 min Scan# 502

Delta R.T. -0.01 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

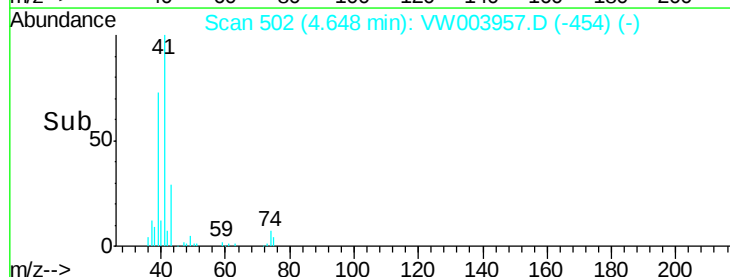
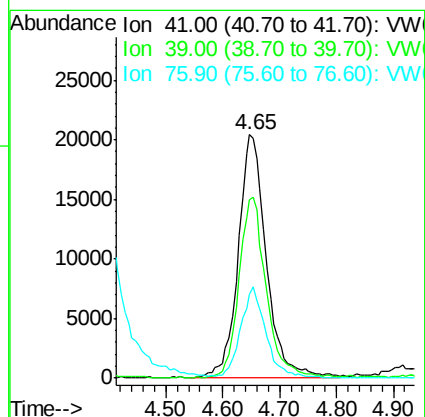
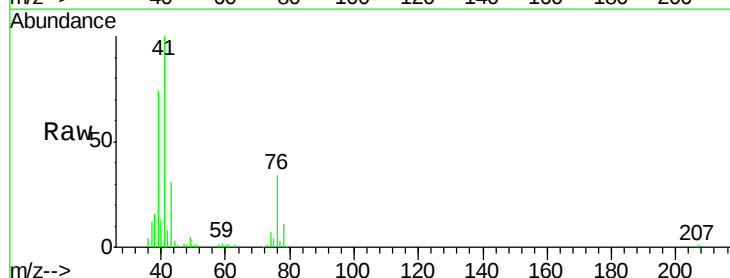
Tgt Ion: 41 Resp: 71054

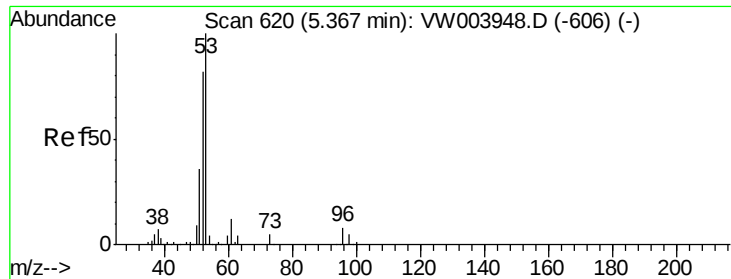
Ion Ratio Lower Upper

41 100

39 70.6 57.0 85.4

76 33.8 26.5 39.7





#15

Acrylonitrile

Concen: 106.523 ug/l

RT: 5.37 min Scan# 620

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

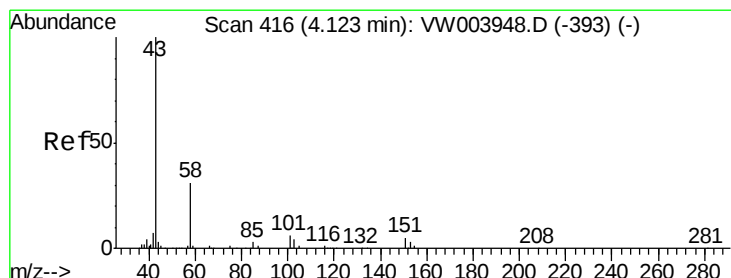
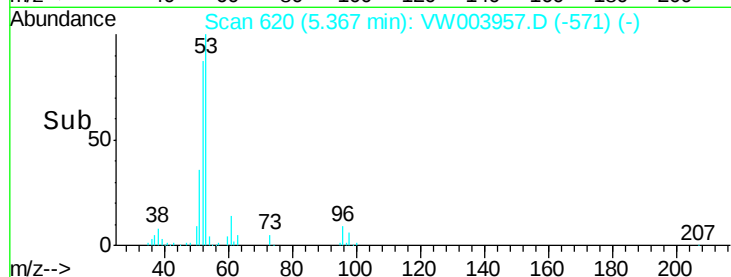
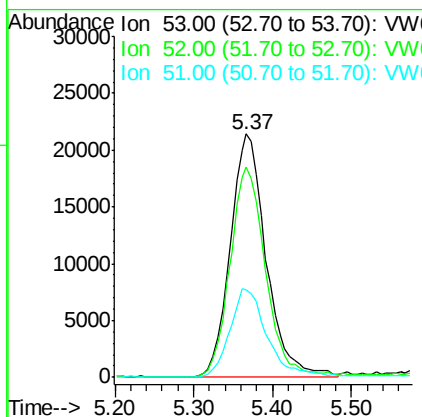
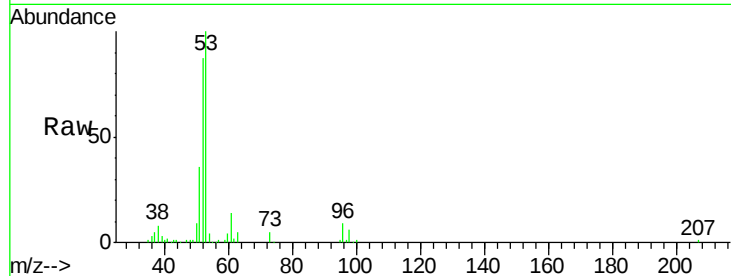
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 53 Resp: 67867

Ion	Ratio	Lower	Upper
53	100		
52	85.7	66.1	99.1
51	37.9	29.8	44.6



#16

Acetone

Concen: 97.514 ug/l

RT: 4.12 min Scan# 416

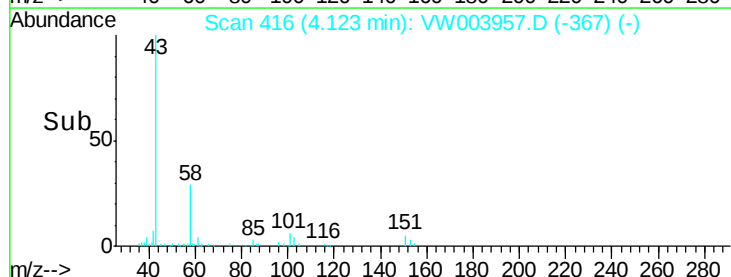
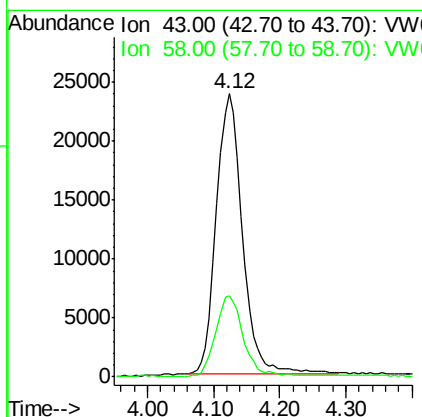
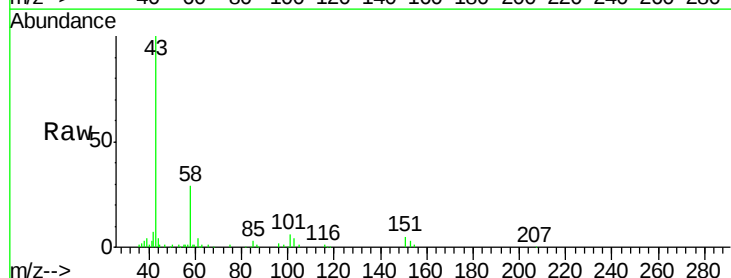
Delta R.T. 0.00 min

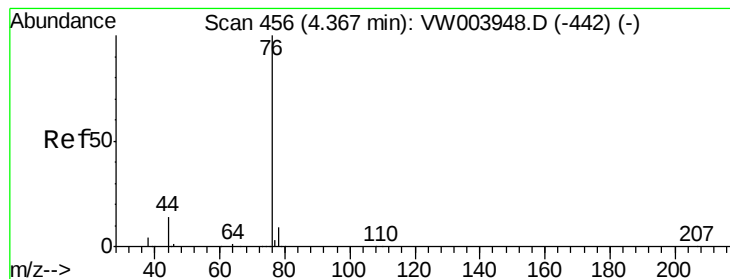
Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Tgt Ion: 43 Resp: 65731

Ion	Ratio	Lower	Upper
43	100		
58	28.8	24.5	36.7





#17

Carbon Disulfide

Concen: 20.392 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :

MSVOA_W

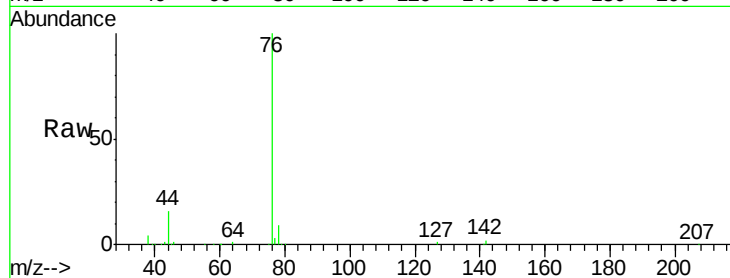
ClientSampled :

Tot Ion: 76 Resp: 155233

Ion Ratio Lower Upper

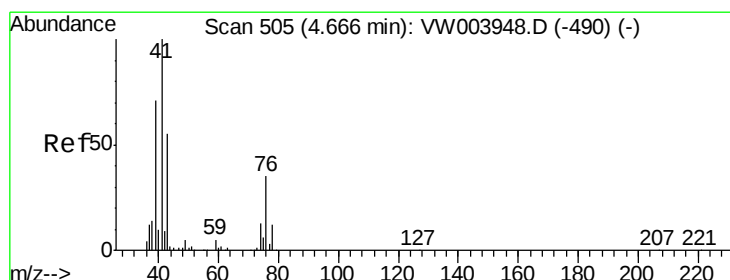
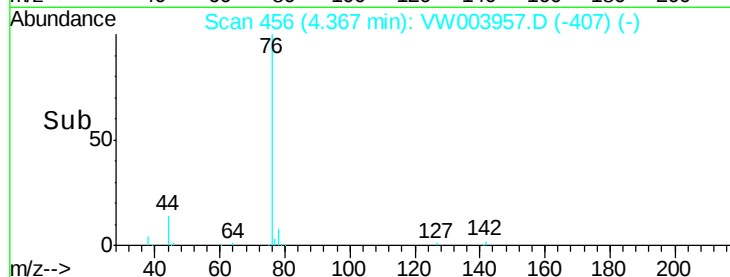
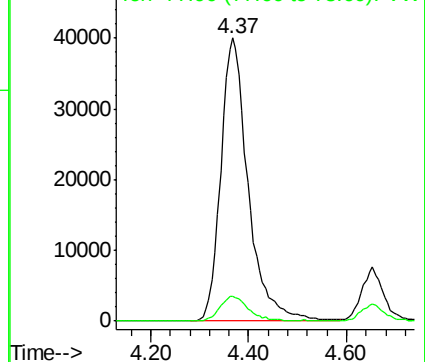
76 100

78 8.8 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: 21.413 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW003957.D

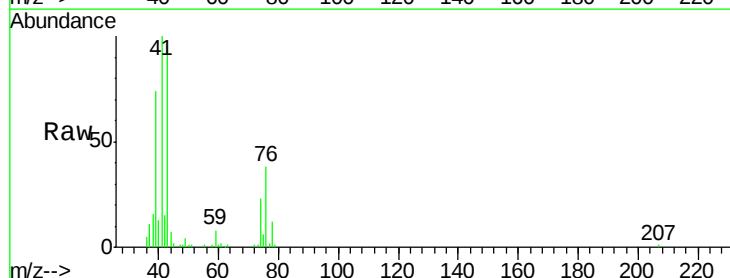
Acq: 16 Jul 2018 17:57

Tgt Ion: 43 Resp: 34647

Ion Ratio Lower Upper

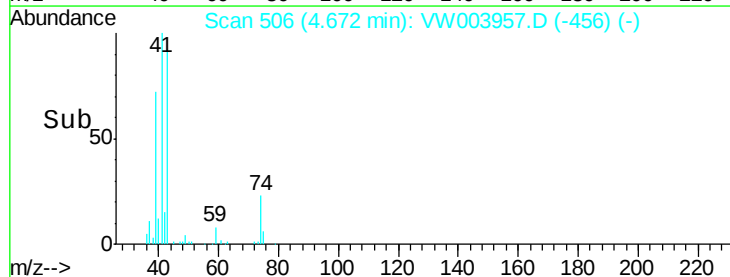
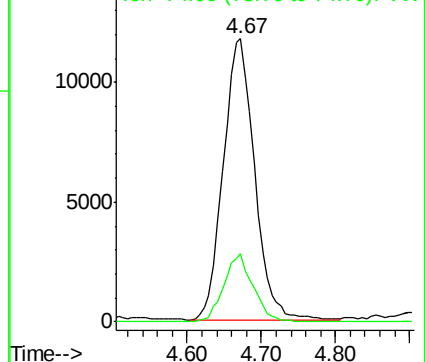
43 100

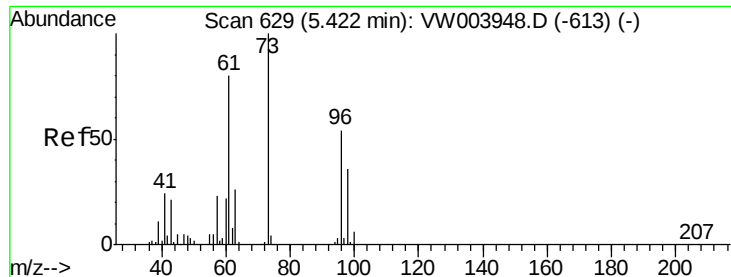
74 22.3 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

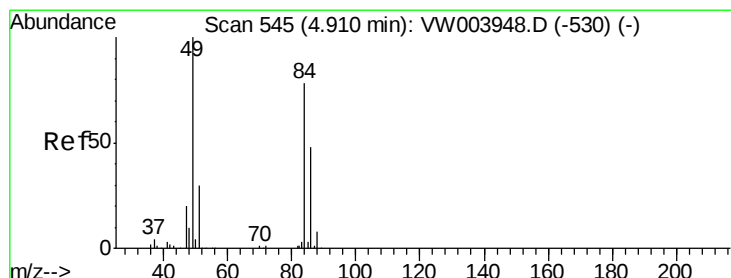
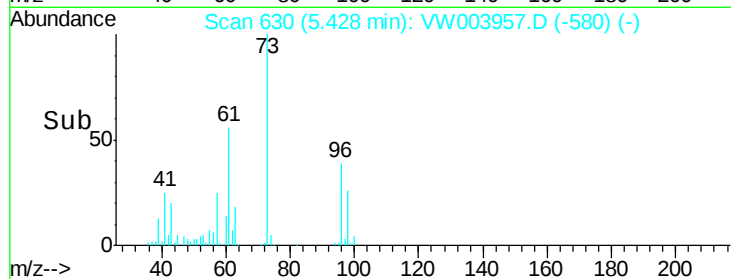
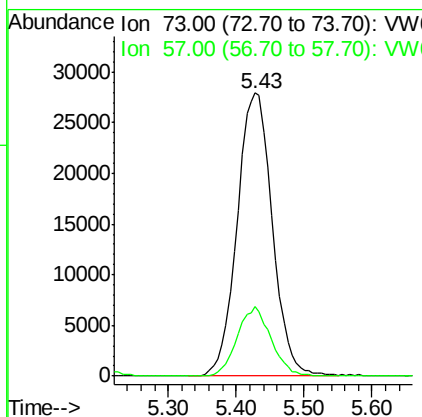
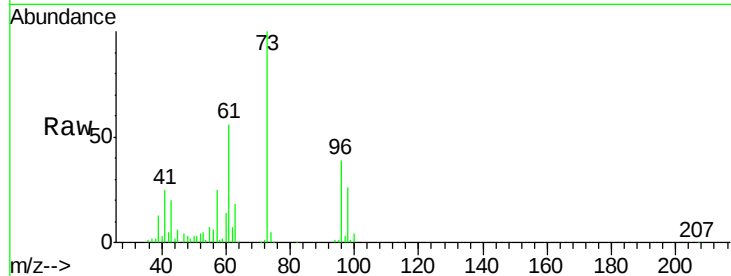




#19
Methvl tert-butvl Ether
Concen: 21.467 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

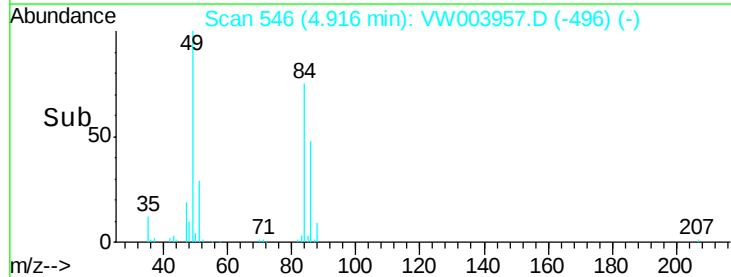
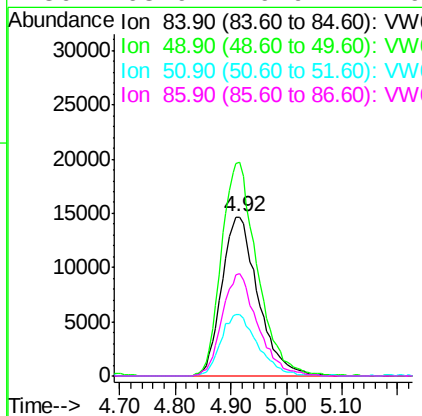
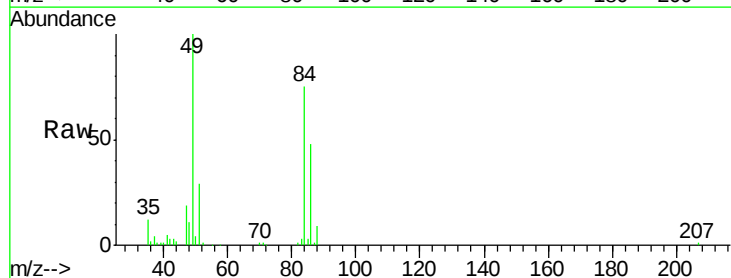
Instrument :
MSVOA_W
ClientSampled :

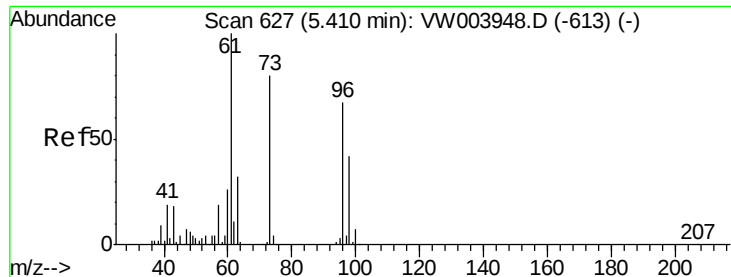
Tot Ion: 73 Resp: 100339
Ion Ratio Lower Upper
73 100
57 24.6 18.2 27.4



#20
Methylene Chloride
Concen: 17.200 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

Tgt Ion: 84 Resp: 66532
Ion Ratio Lower Upper
84 100
49 134.0 102.9 154.3
51 39.0 30.9 46.3
86 63.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.319 ug/l

RT: 5.41 min Scan# 627

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :

MSVOA_W

ClientSampleId :

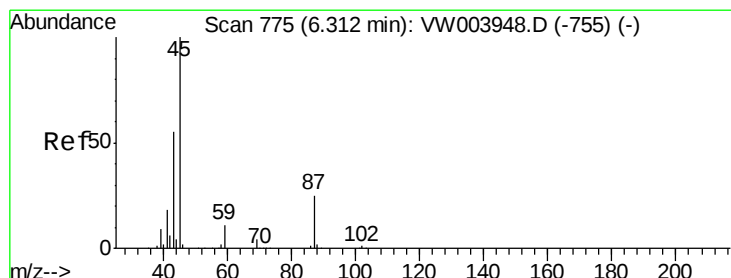
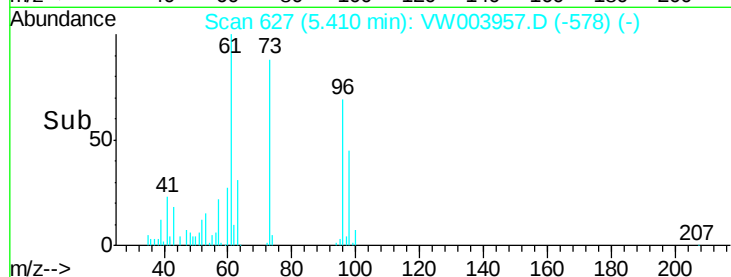
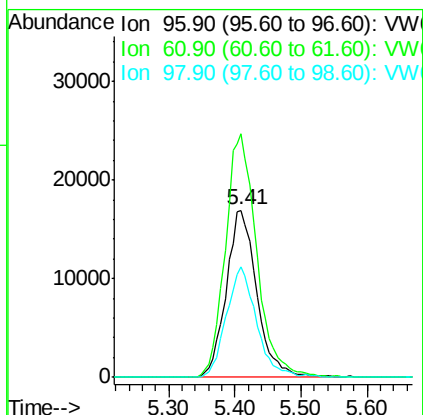
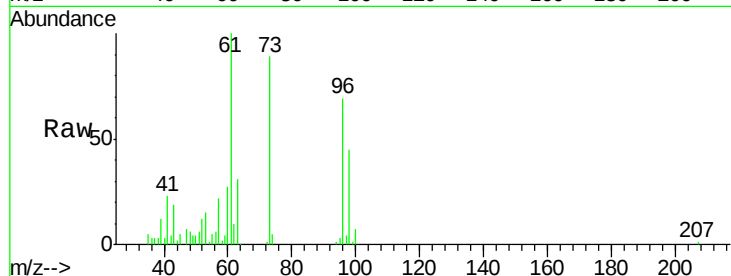
Tot Ion: 96 Resp: 54319

Ion Ratio Lower Upper

96 100

61 145.7 119.0 178.4

98 65.8 49.9 74.9



#22

Diisopropyl ether

Concen: 21.711 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Tgt Ion: 45 Resp: 176637

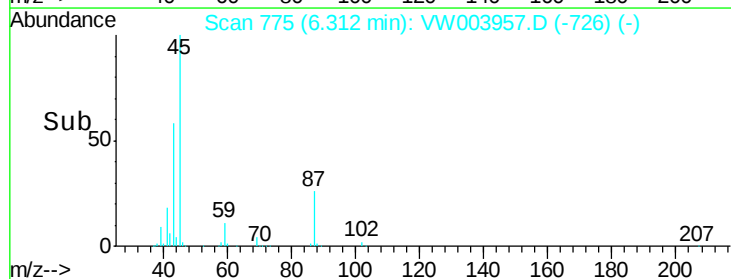
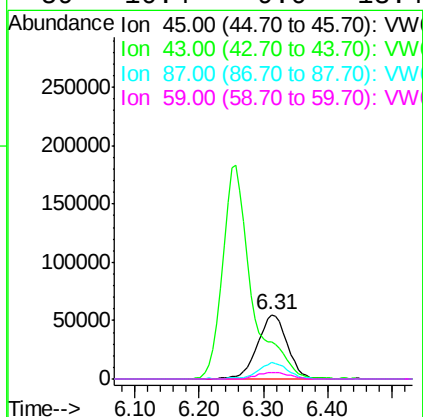
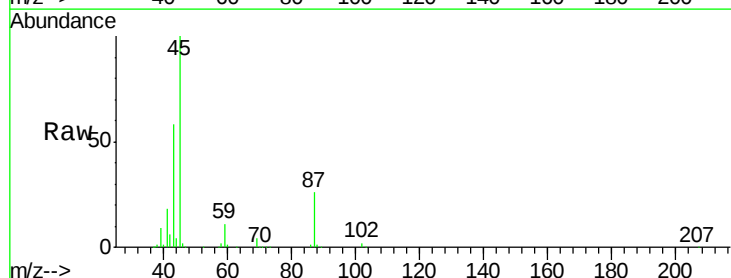
Ion Ratio Lower Upper

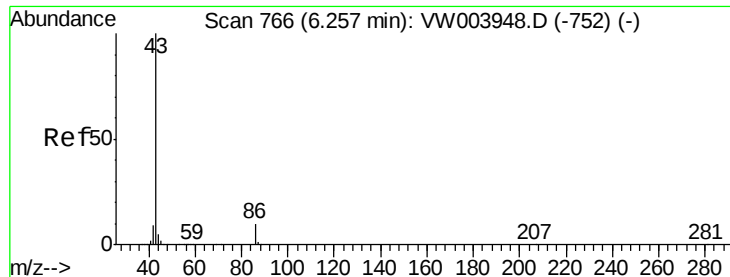
45 100

43 57.7 44.3 66.5

87 25.5 20.2 30.4

59 10.4 9.0 13.4





#23

Vinyl Acetate

Concen: 112.655 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :

MSVOA_W

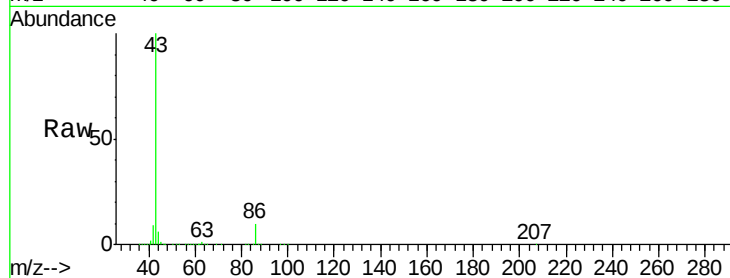
ClientSampleId :

Tot Ion: 43 Resp: 580734

Ion Ratio Lower Upper

43 100

86 9.5 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

200000

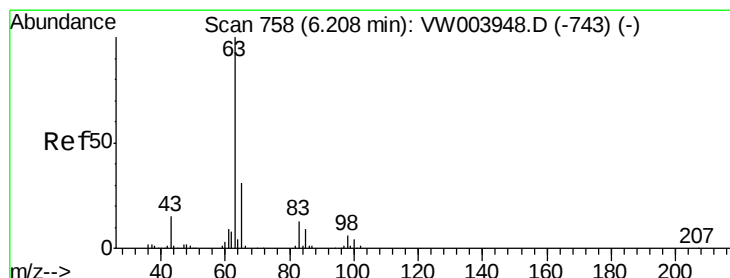
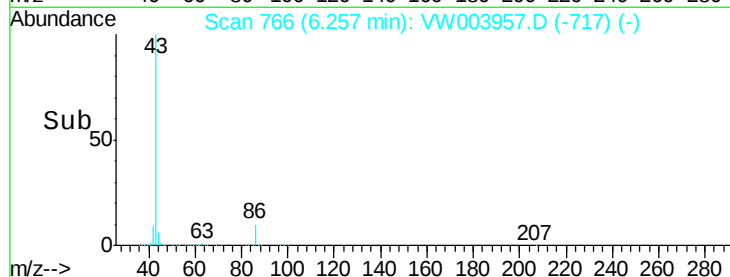
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.135 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

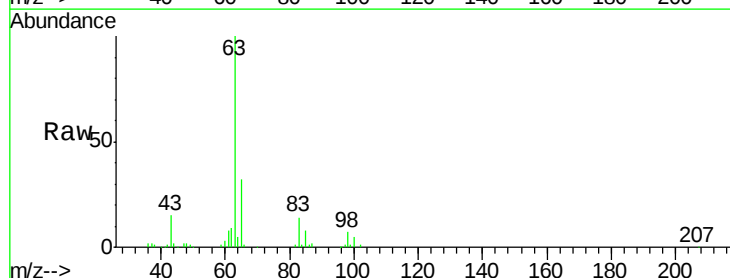
Tgt Ion: 63 Resp: 104919

Ion Ratio Lower Upper

63 100

98 7.0 3.1 9.4

100 4.7 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

40000

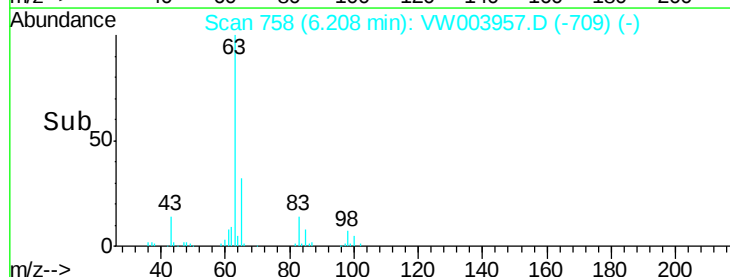
30000

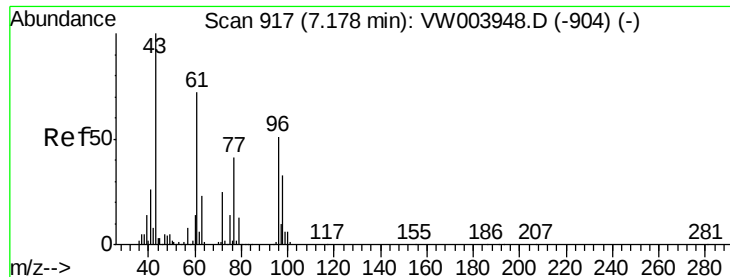
20000

10000

0

Time-->





#25

2-Butanone

Concen: 113.490 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :

MSVOA_W

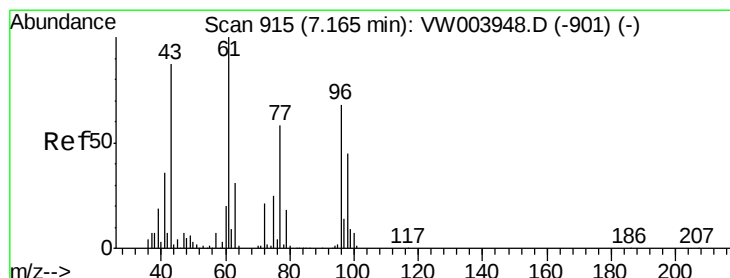
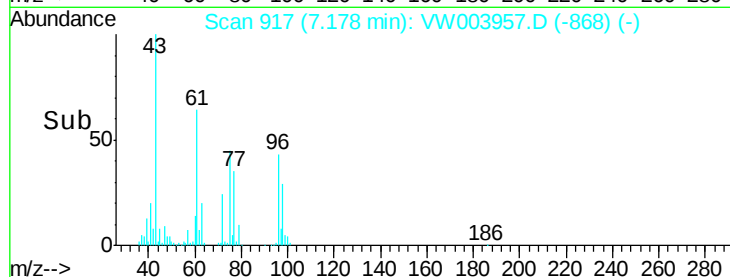
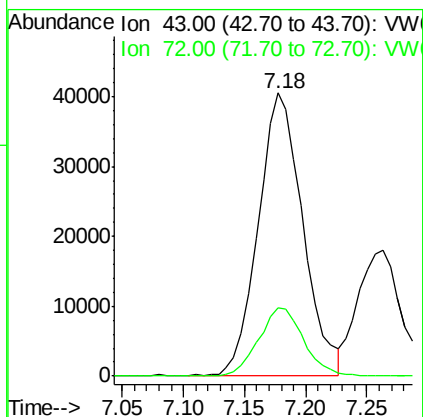
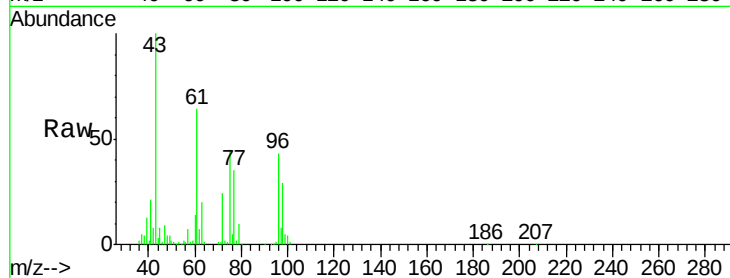
ClientSampleId :

Tot Ion: 43 Resp: 102947

Ion Ratio Lower Upper

43 100

72 24.1 19.8 29.6



#26

2,2-Dichloropropane

Concen: 19.026 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW003957.D

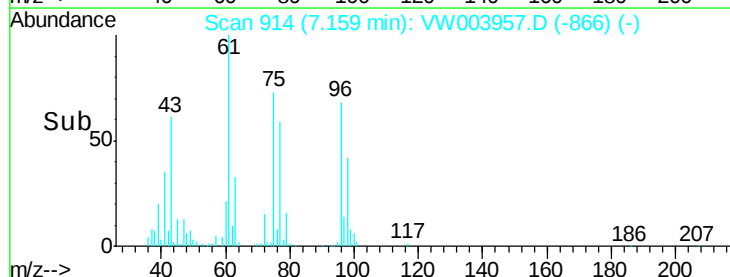
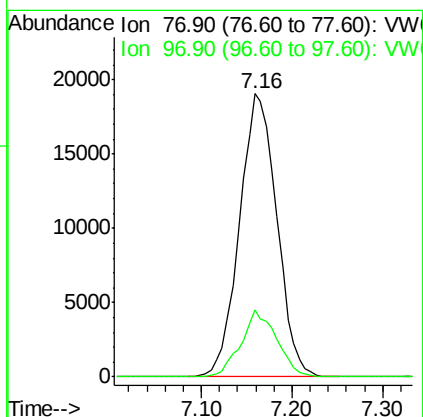
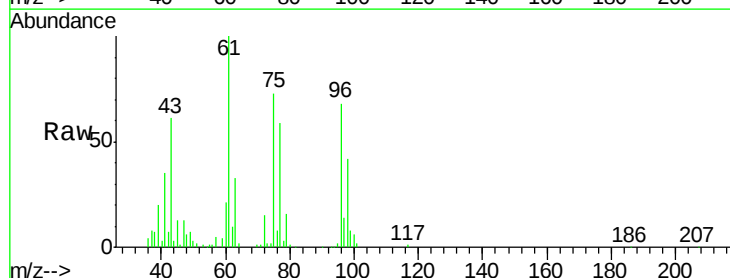
Acq: 16 Jul 2018 17:57

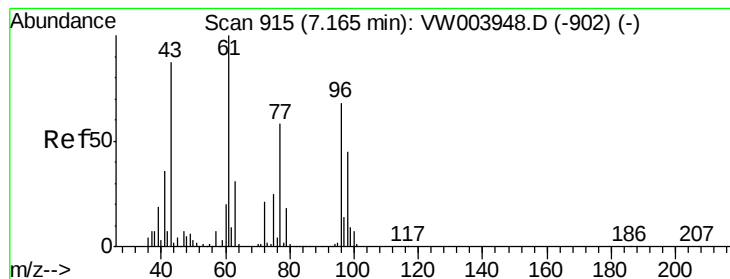
Tgt Ion: 77 Resp: 54215

Ion Ratio Lower Upper

77 100

97 22.5 11.8 35.3



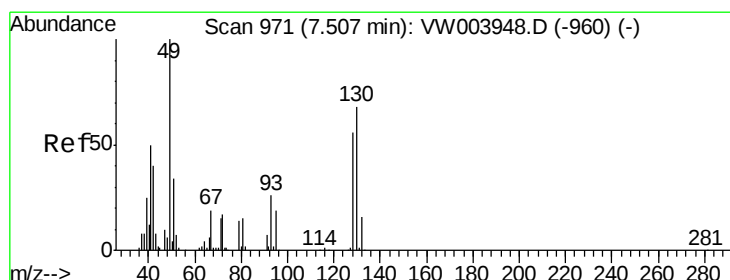
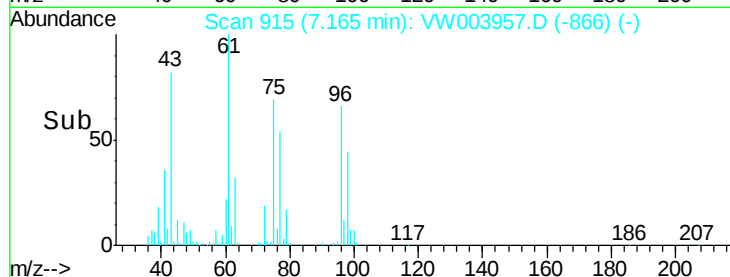
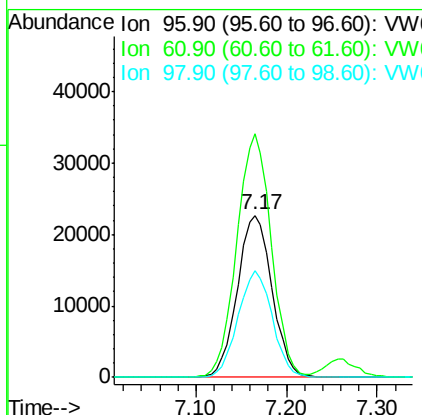
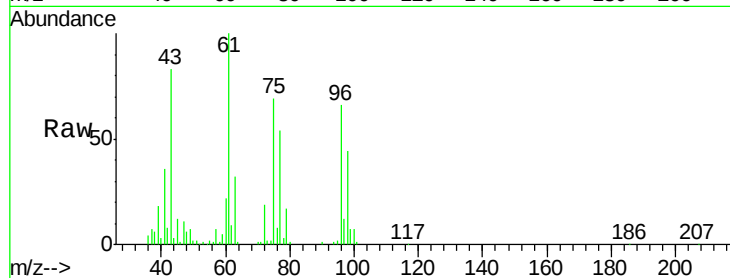


#27

cis-1,2-Dichloroethene
 Concen: 20.767 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VW003957.D
 Acq: 16 Jul 2018 17:57

Instrument :
 MSVOA_W
 ClientSampleId :

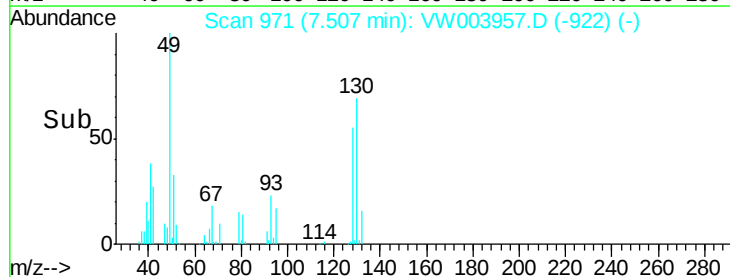
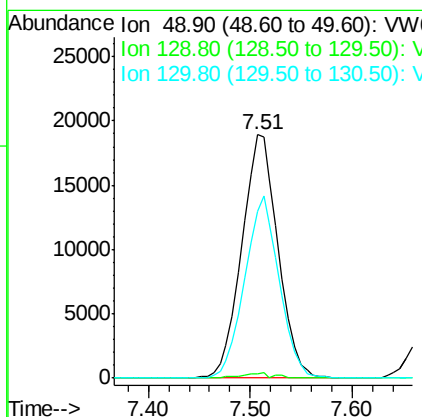
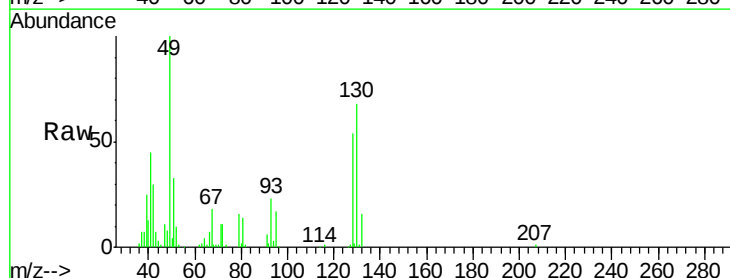
Tot Ion: 96 Resp: 60016
 Ion Ratio Lower Upper
 96 100
 61 149.6 0.0 298.6
 98 64.9 0.0 130.4

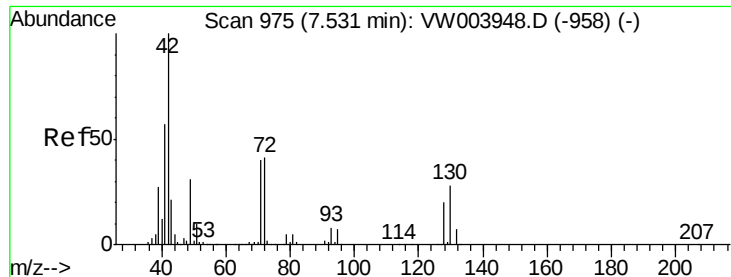


#28

Bromochloromethane
 Concen: 22.925 ug/l
 RT: 7.51 min Scan# 971
 Delta R.T. 0.00 min
 Lab File: VW003957.D
 Acq: 16 Jul 2018 17:57

Tgt Ion: 49 Resp: 46574
 Ion Ratio Lower Upper
 49 100
 129 1.4 0.0 2.2
 130 71.5 58.3 87.5





#29

Tetrahydrofuran

Concen: 116.541 ug/l

RT: 7.53 min Scan# 975

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :
MSVOA_W
ClientSampleId :

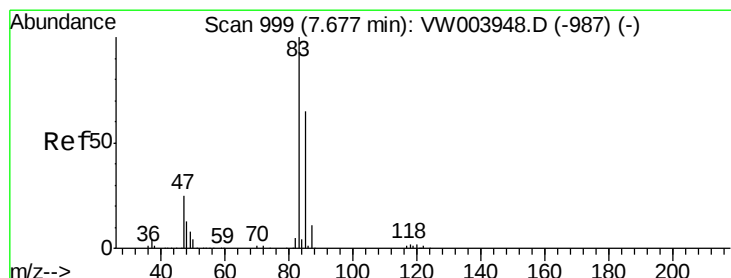
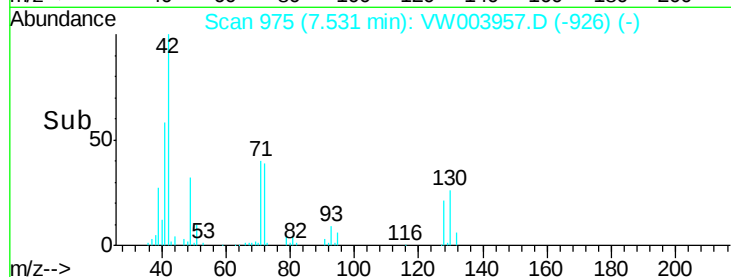
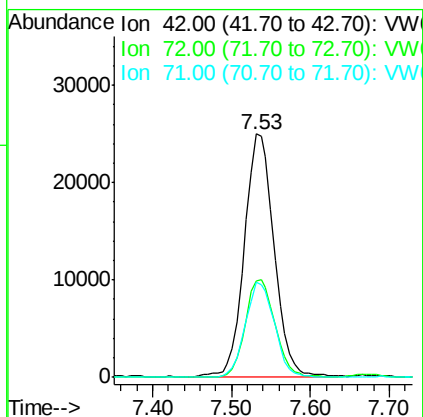
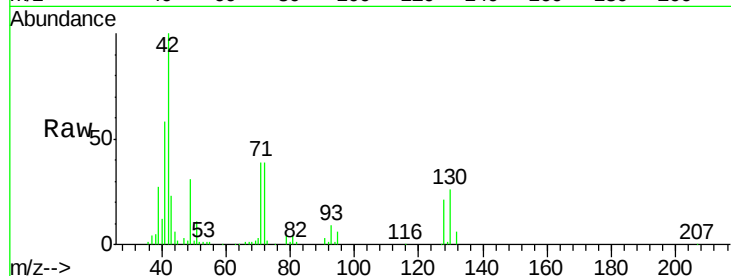
Tot Ion: 42 Resp: 65849

Ion Ratio Lower Upper

42 100

72 39.9 32.6 48.8

71 38.1 30.5 45.7



#30

Chloroform

Concen: 21.485 ug/l

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW003957.D

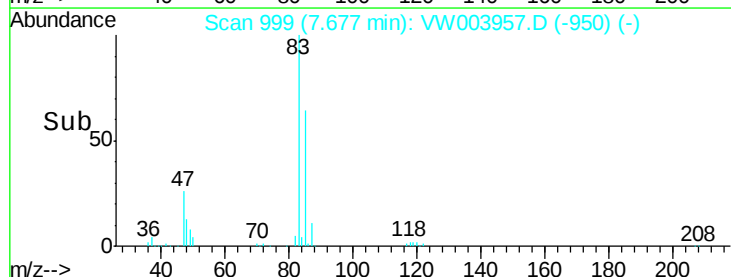
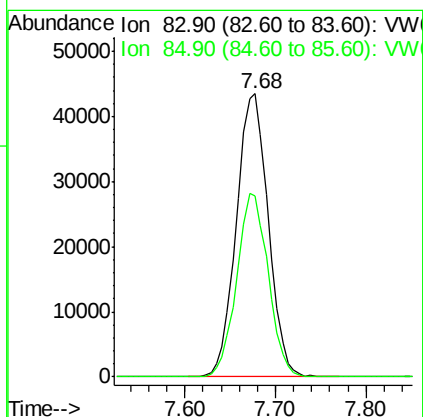
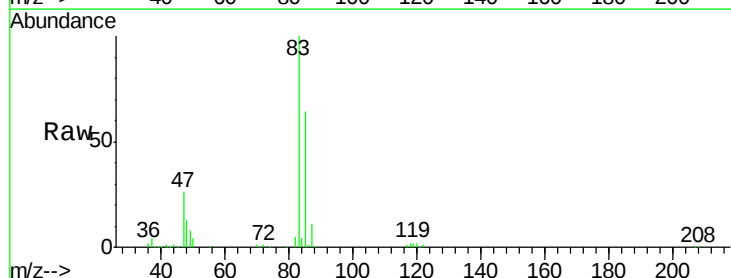
Acq: 16 Jul 2018 17:57

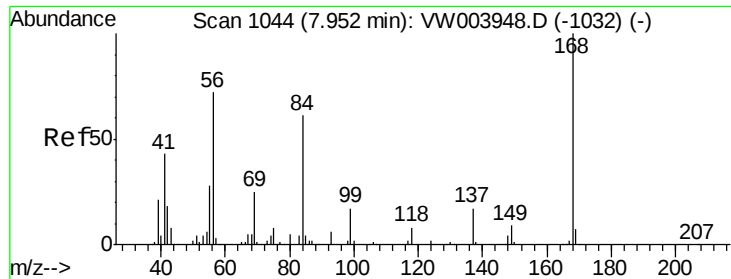
Tgt Ion: 83 Resp: 106089

Ion Ratio Lower Upper

83 100

85 64.0 52.2 78.4

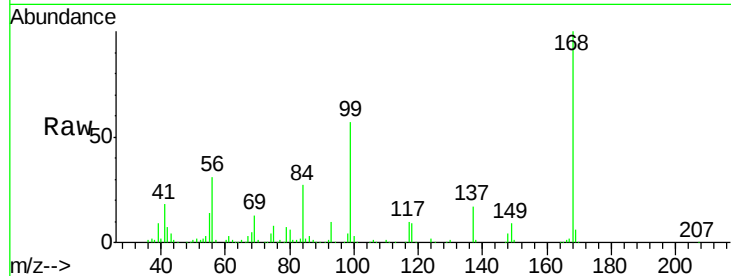




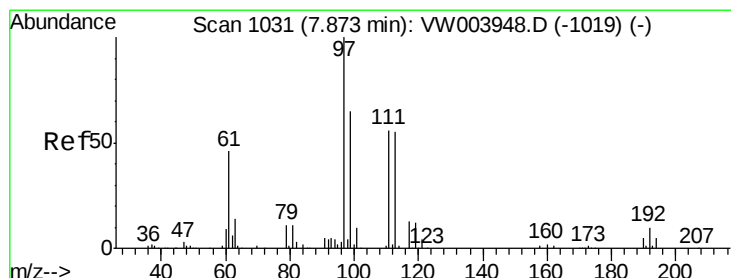
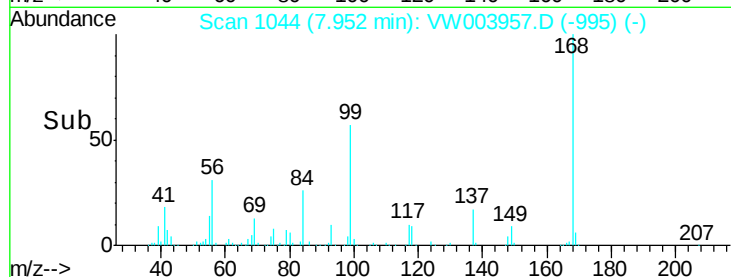
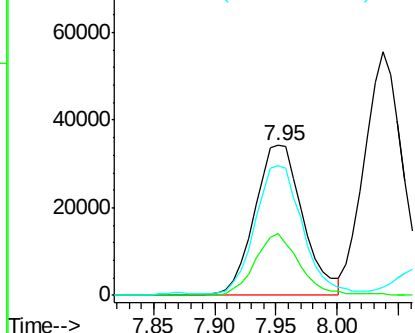
#31
Cyclohexane
Concen: 20.294 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 94437
Ion Ratio Lower Upper
56 100
69 41.3 27.8 41.8
84 85.1 67.2 100.8

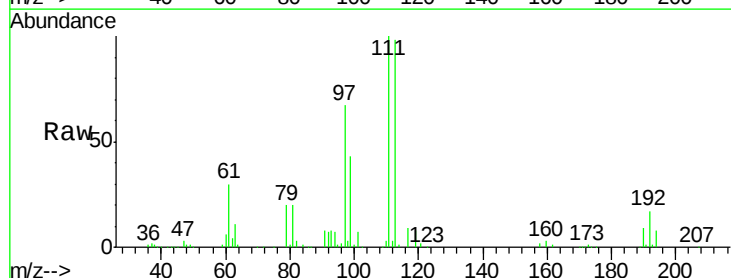


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

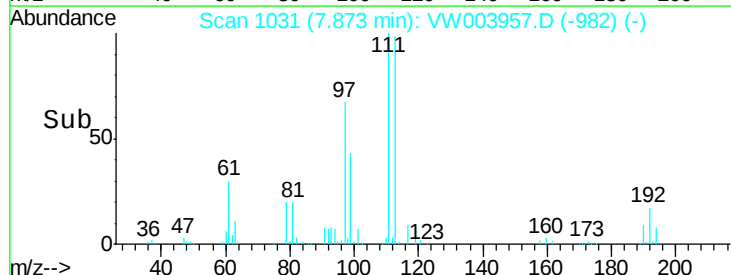
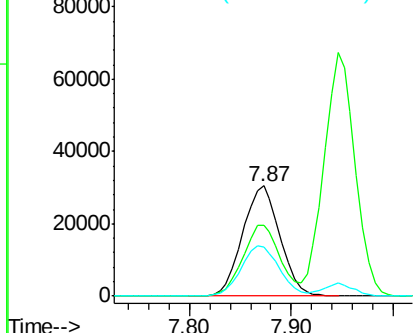


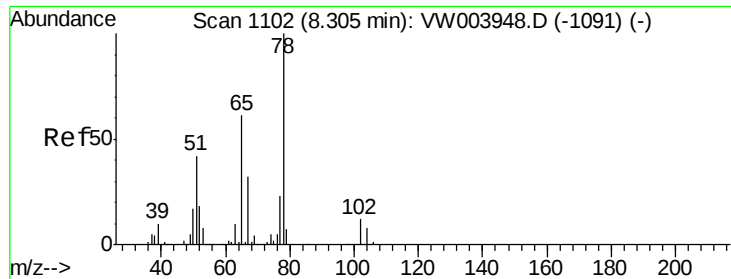
#32
1,1,1-Trichloroethane
Concen: 20.130 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

Tgt Ion: 97 Resp: 77619
Ion Ratio Lower Upper
97 100
99 65.0 51.3 76.9
61 46.6 36.8 55.2



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

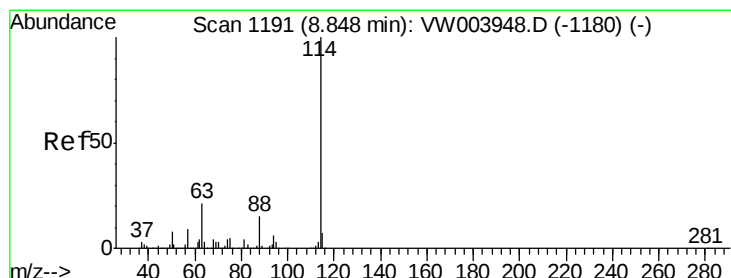
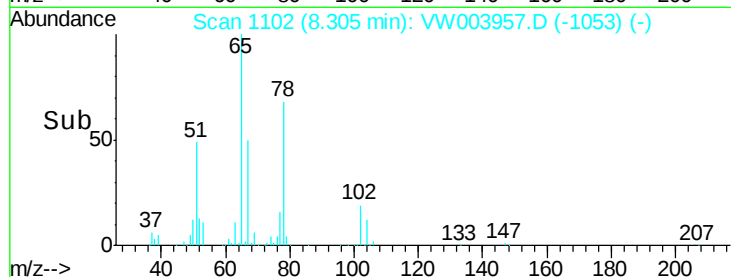
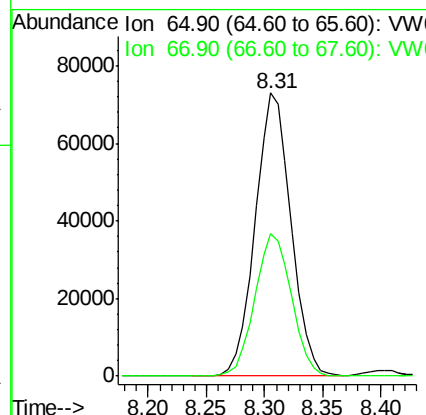
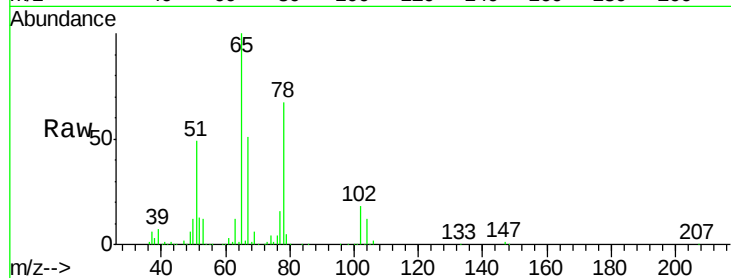




#33
 1,2-Dichloroethane-d4
 Concen: 55.712 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW003957.D
 Acq: 16 Jul 2018 17:57

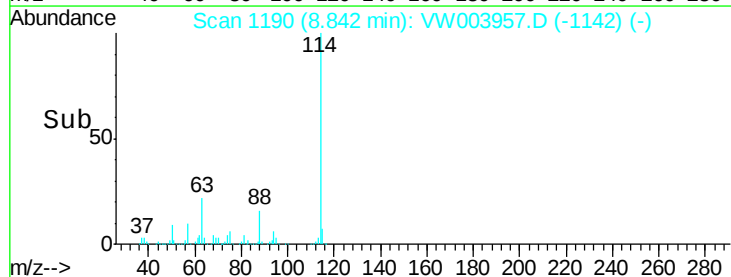
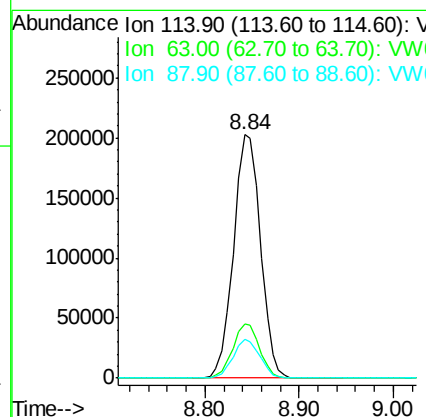
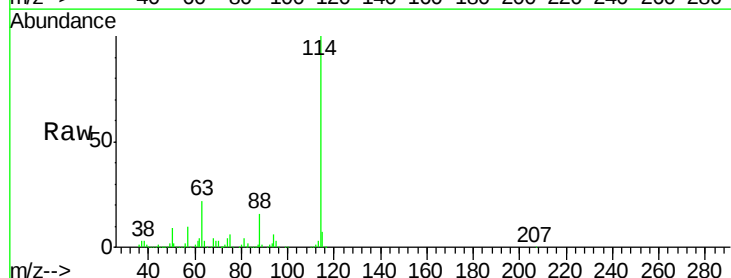
Instrument :
 MSVOA_W
 ClientSampled :

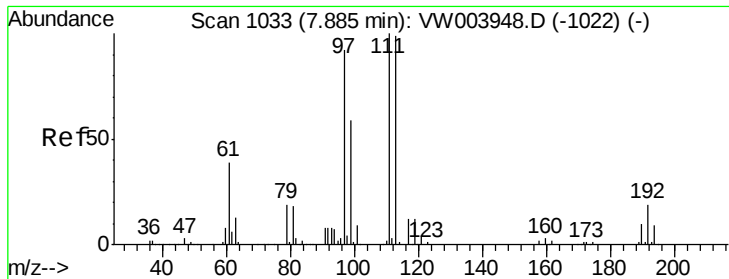
Tot Ion: 65 Resp: 156277
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW003957.D
 Acq: 16 Jul 2018 17:57

Tgt Ion: 114 Resp: 402518
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 42.8
 88 15.9 0.0 30.4

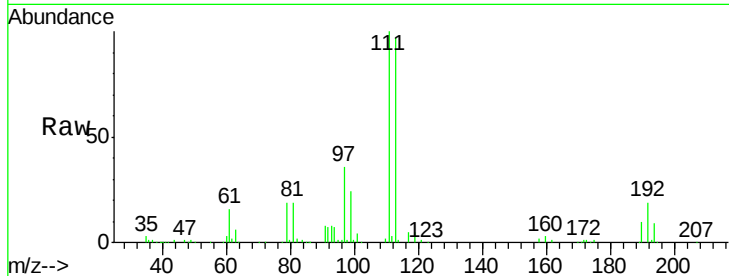




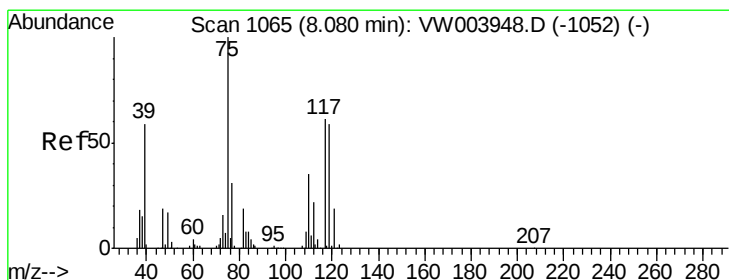
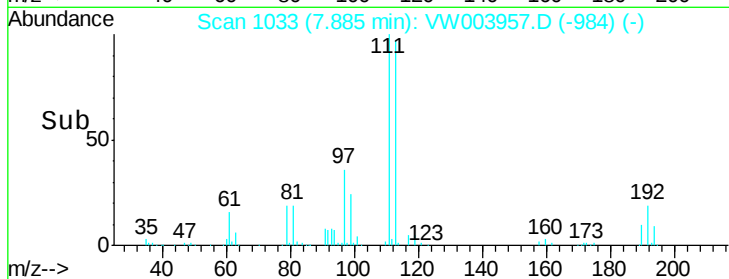
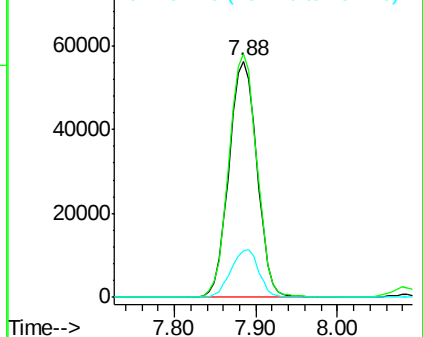
#35
 Dibromofluoromethane
 Concen: 51.470 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003957.D
 Acq: 16 Jul 2018 17:57

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.3	121.9
192	20.2	15.8	23.6

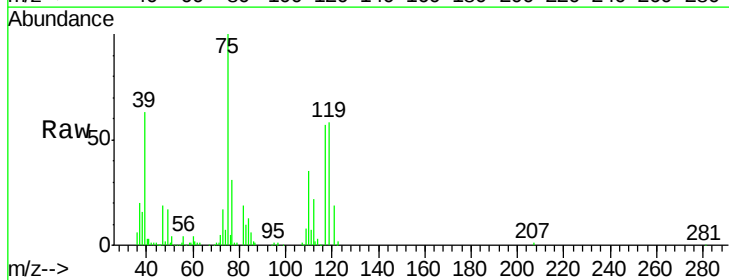


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

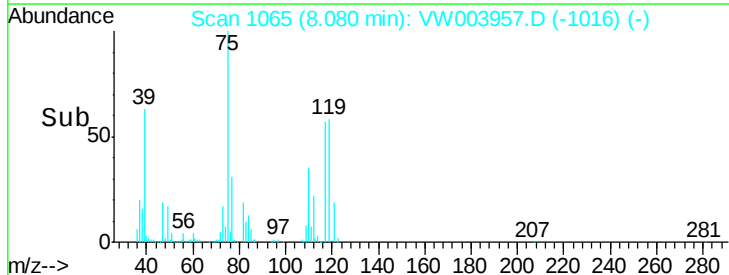
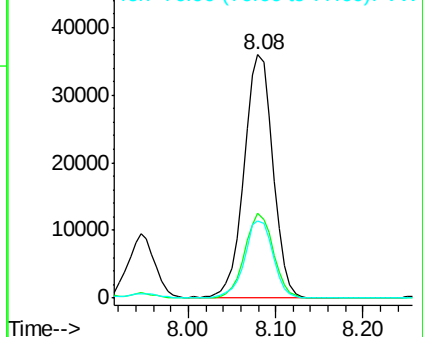


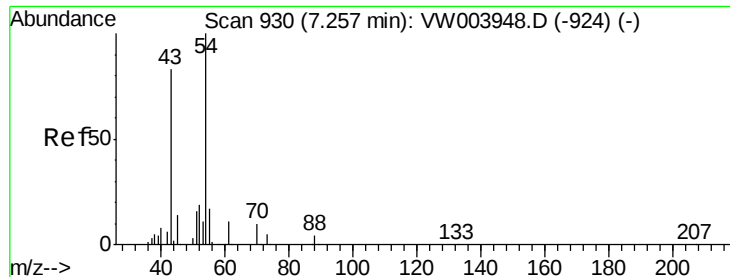
#36
 1,1-Dichloropropene
 Concen: 19.942 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW003957.D
 Acq: 16 Jul 2018 17:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.0	51.0
77	31.3	24.9	37.3



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

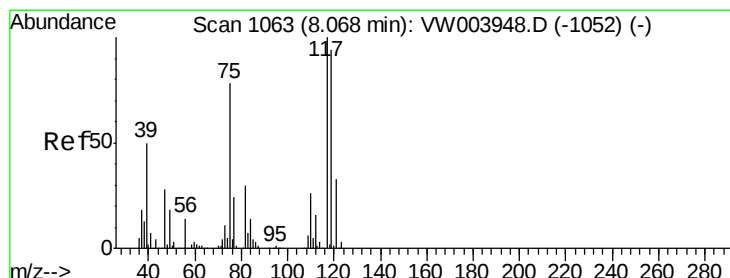
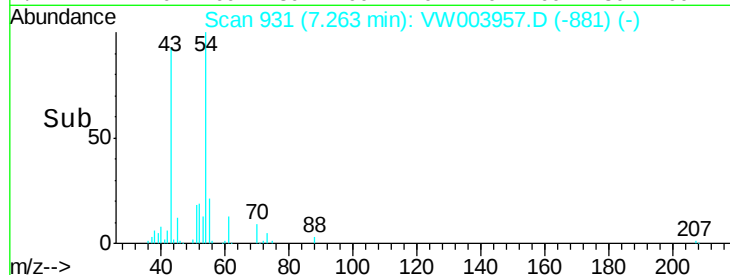
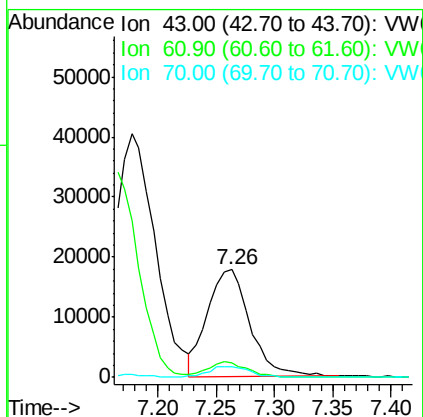
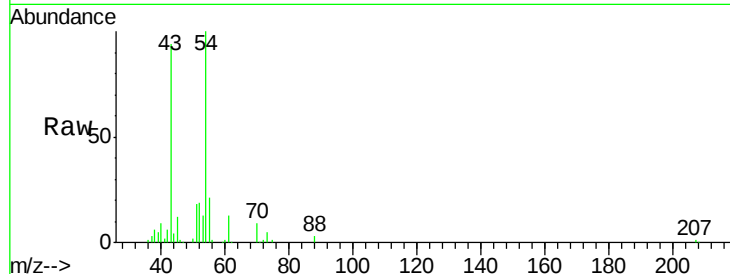




#37
Ethyl Acetate
Concen: 22.576 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.01 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

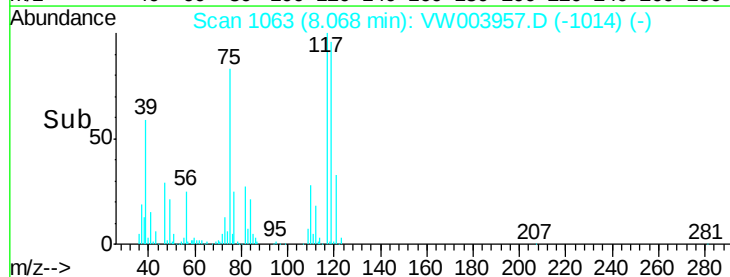
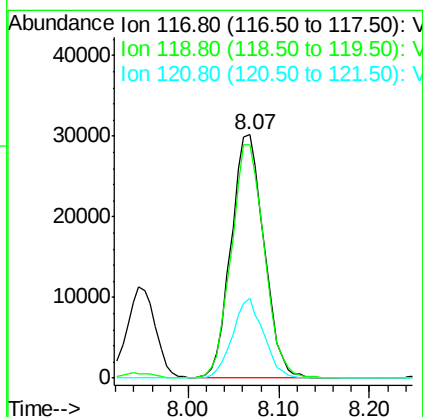
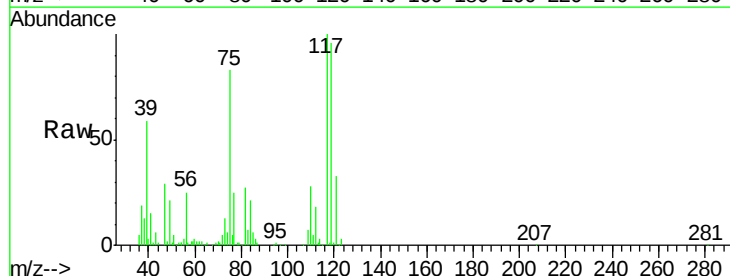
Instrument :
MSVOA_W
ClientSampled :

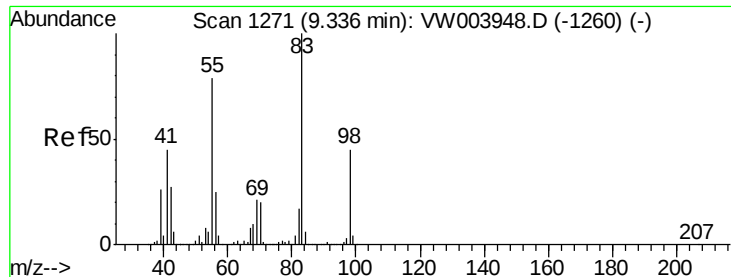
Tot Ion: 43 Resp: 45095
Ion Ratio Lower Upper
43 100
61 13.7 10.7 16.1
70 10.2 7.7 11.5



#38
Carbon Tetrachloride
Concen: 19.709 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

Tgt Ion: 117 Resp: 76264
Ion Ratio Lower Upper
117 100
119 95.7 75.3 112.9
121 32.9 26.0 39.0

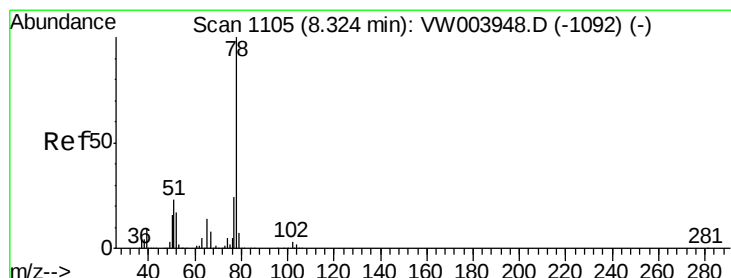
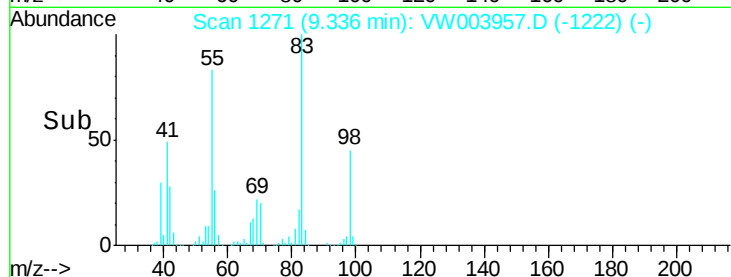
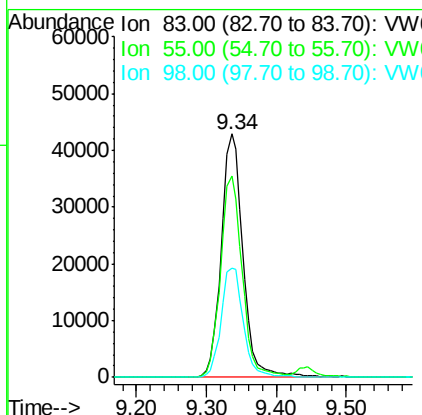
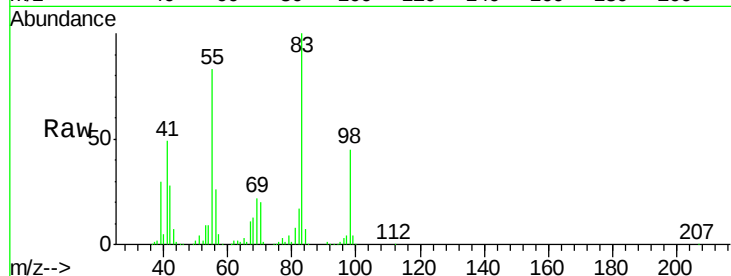




#39
Methvlcvclohexane
Concen: 19.156 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

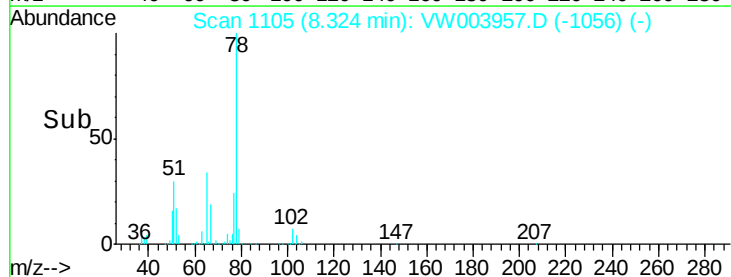
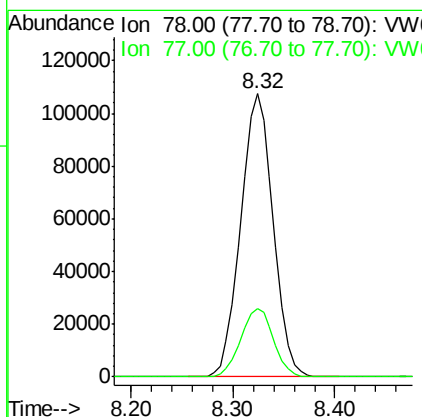
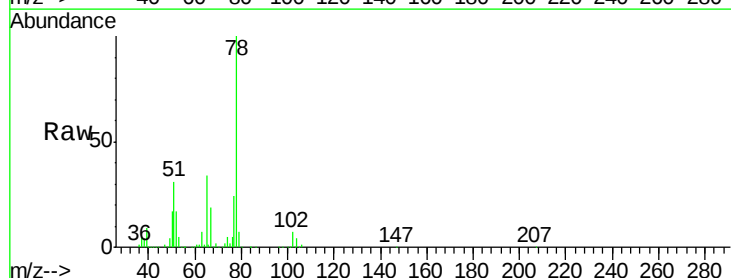
Instrument :
MSVOA_W
ClientSampleId :

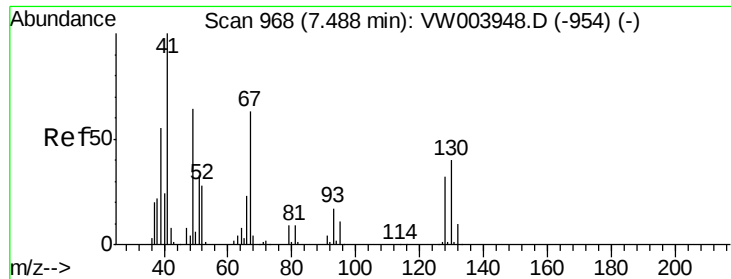
Tot Ion	83	Resp	92907
Ion	Ratio	Lower	Upper
83	100		
55	82.9	62.8	94.2
98	45.1	36.2	54.4



#40
Benzene
Concen: 20.592 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

Tgt Ion	78	Resp	236596
Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.5	29.3





#41

Methacrylonitrile

Concen: 20.223 ug/l

RT: 7.49 min Scan# 968

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 22383

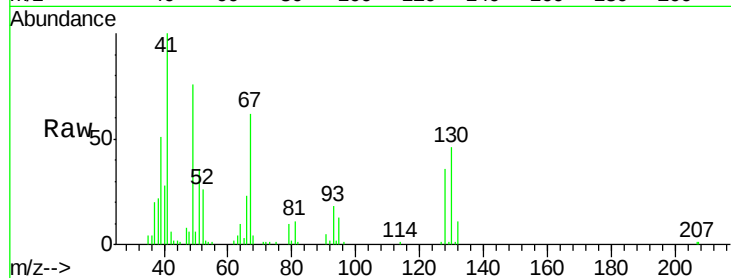
Ion Ratio Lower Upper

41 100

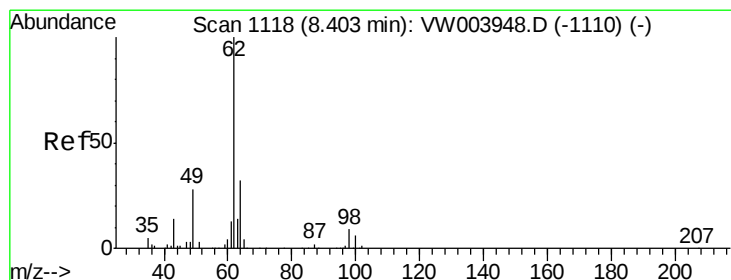
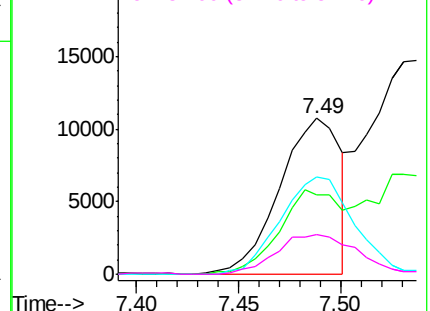
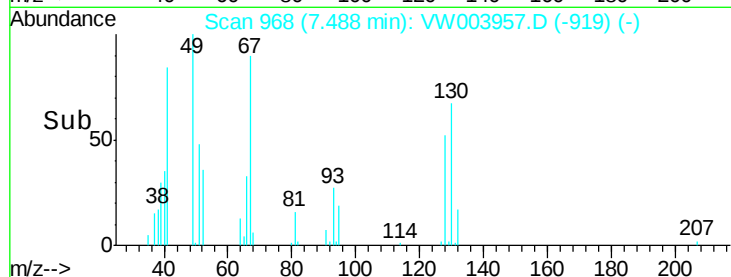
39 53.1 50.0 75.0

67 75.5 60.8 91.2

52 34.3 26.2 39.4



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



#42

1,2-Dichloroethane

Concen: 21.615 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003957.D

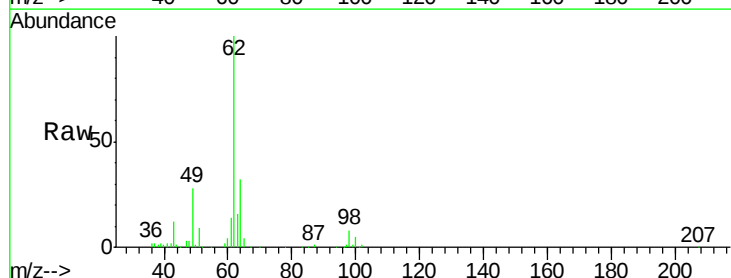
Acq: 16 Jul 2018 17:57

Tgt Ion: 62 Resp: 75767

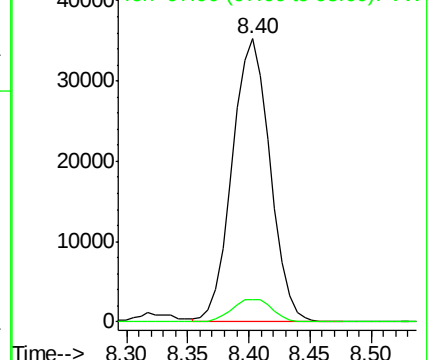
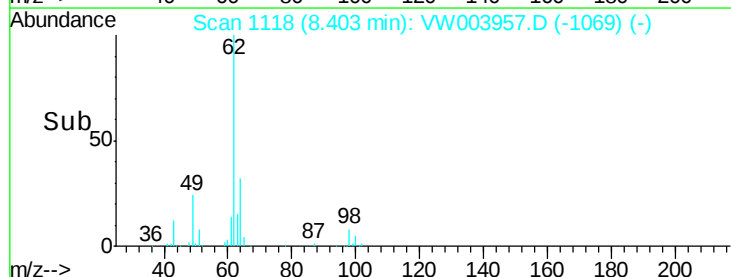
Ion Ratio Lower Upper

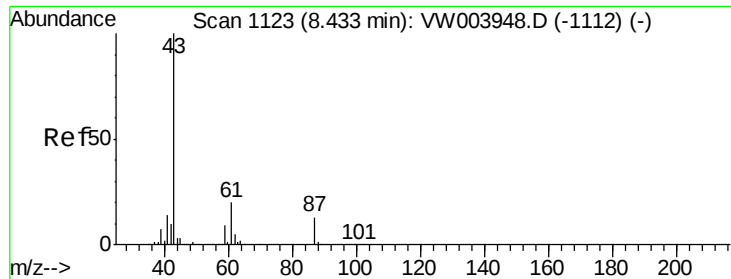
62 100

98 8.6 0.0 17.4



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



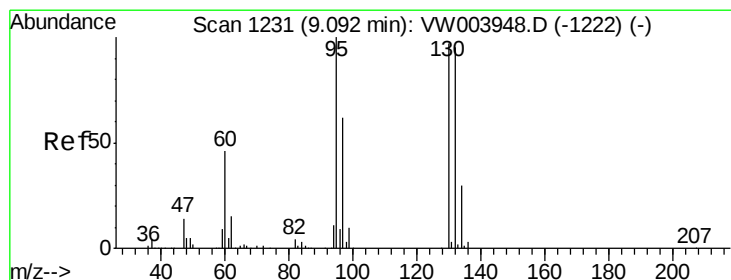
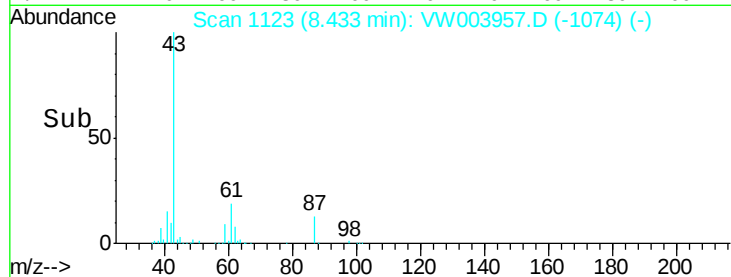
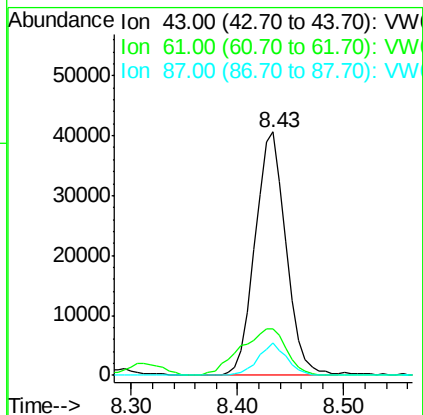
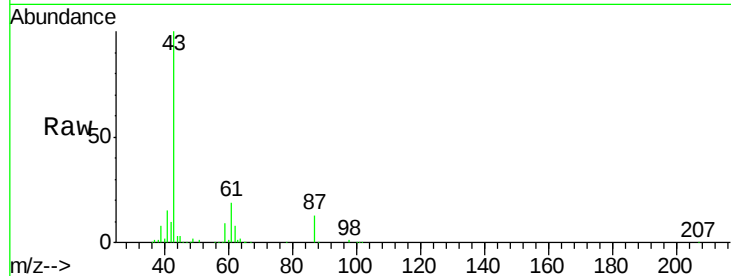


#43

Isopropyl Acetate
 Concen: 22.082 ug/l
 RT: 8.43 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VW003957.D
 Acq: 16 Jul 2018 17:57

Instrument :
 MSVOA_W
 ClientSampled :

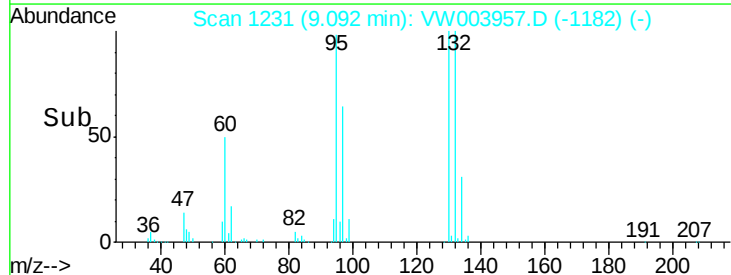
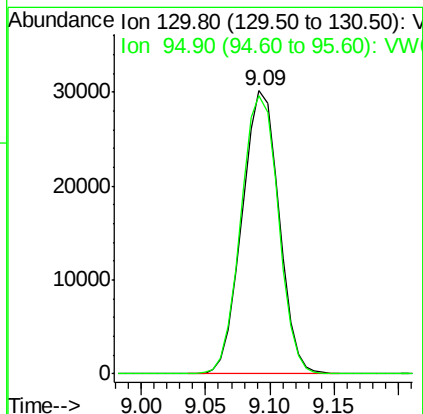
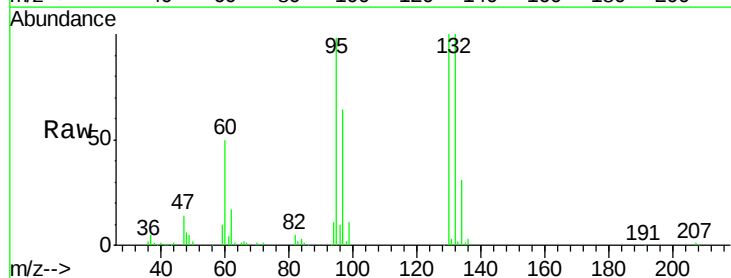
Tot Ion	43	Resp	82500
Ion Ratio	Lower	Upper	
43	100		
61	28.5	23.0	34.6
87	12.2	9.9	14.9

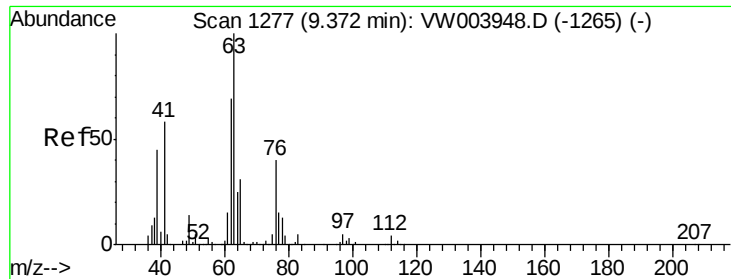


#44

Trichloroethene
 Concen: 20.072 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW003957.D
 Acq: 16 Jul 2018 17:57

Tgt Ion	130	Resp	59781
Ion Ratio	Lower	Upper	
130	100		
95	98.4	0.0	206.8

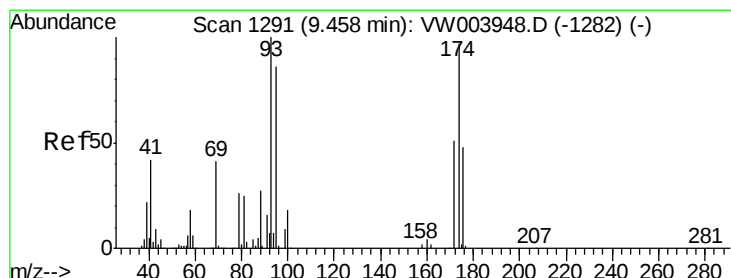
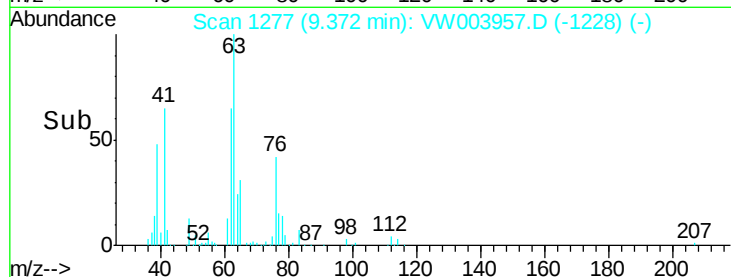
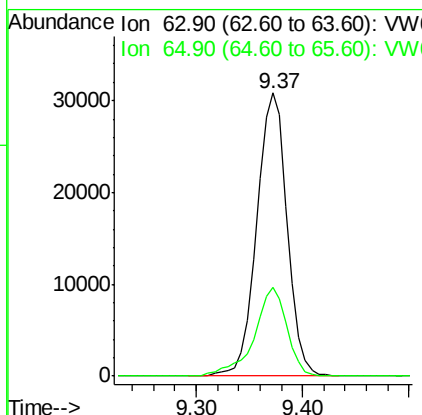
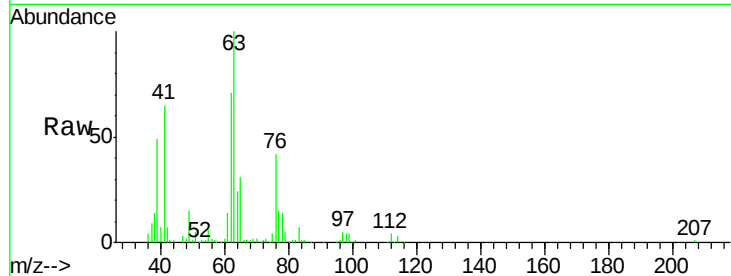




#45
 1,2-Dichloropropane
 Concen: 20.991 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003957.D
 Acq: 16 Jul 2018 17:57

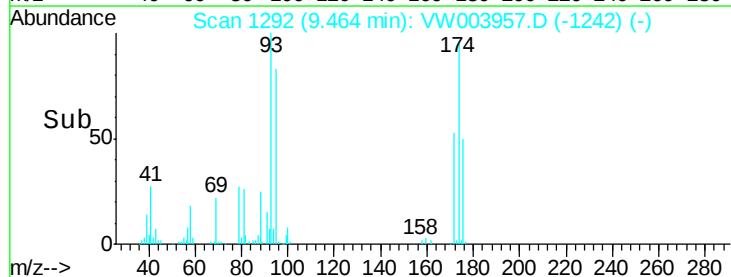
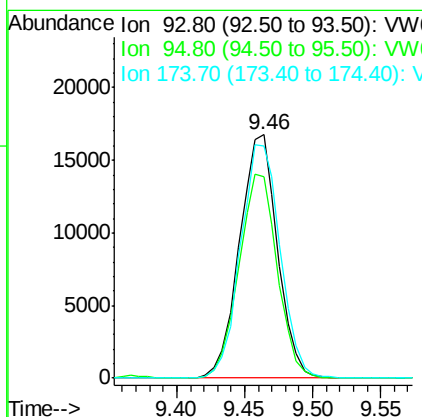
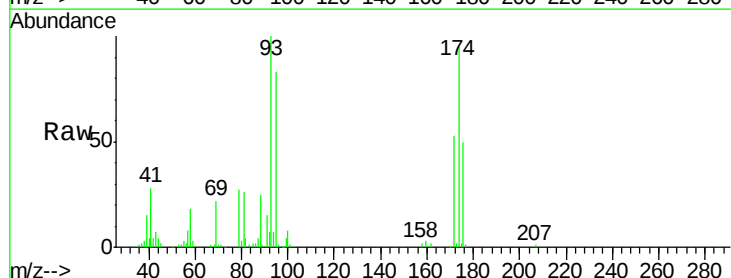
Instrument :
 MSVOA_W
 ClientSampleId :

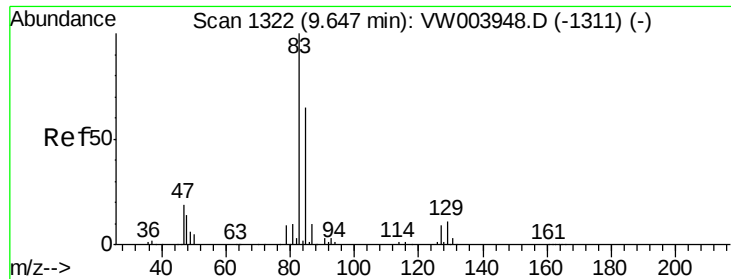
Tot Ion: 63 Resp: 61555
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.8 37.2



#46
 Dibromomethane
 Concen: 21.424 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VW003957.D
 Acq: 16 Jul 2018 17:57

Tgt Ion: 93 Resp: 32600
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.9 100.3
 174 100.5 80.2 120.2





#47

Bromodichloromethane

Concen: 20.916 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :
MSVOA_W
ClientSampleId :

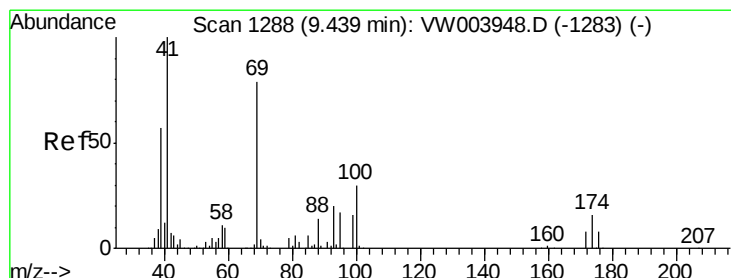
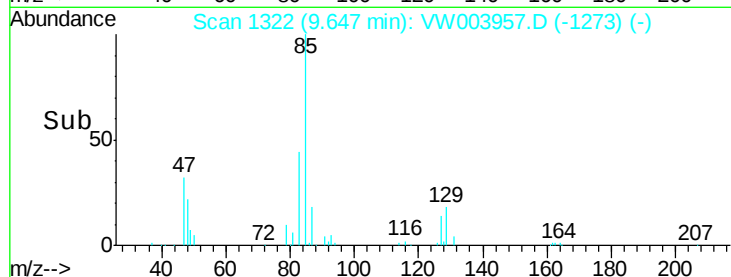
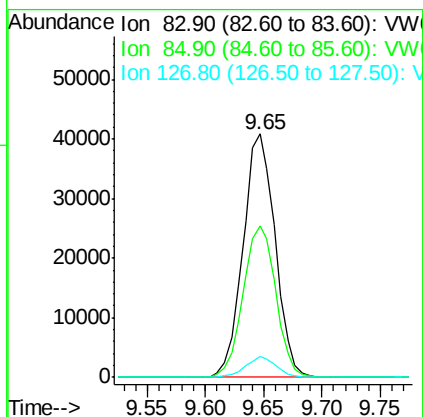
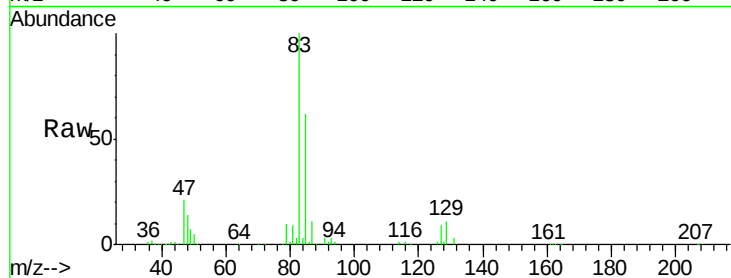
Tot Ion: 83 Resp: 78464

Ion Ratio Lower Upper

83 100

85 62.4 52.2 78.2

127 8.7 7.0 10.4



#48

Methyl methacrylate

Concen: 21.845 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

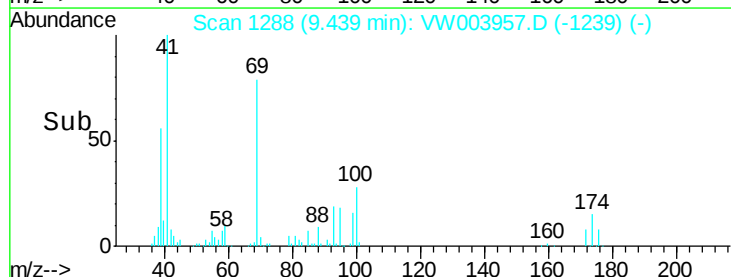
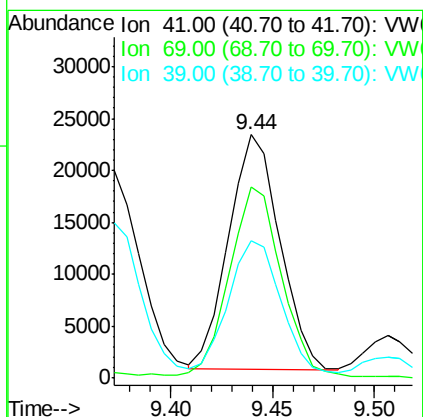
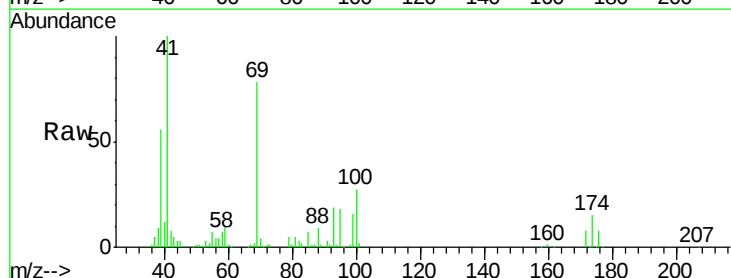
Tgt Ion: 41 Resp: 39471

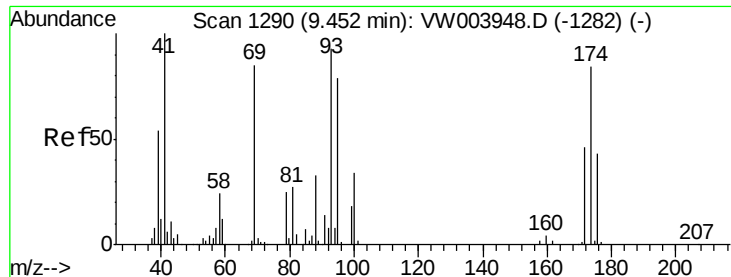
Ion Ratio Lower Upper

41 100

69 82.2 67.0 100.6

39 62.0 48.8 73.2

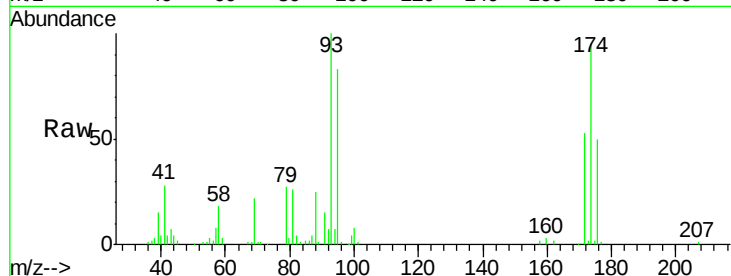




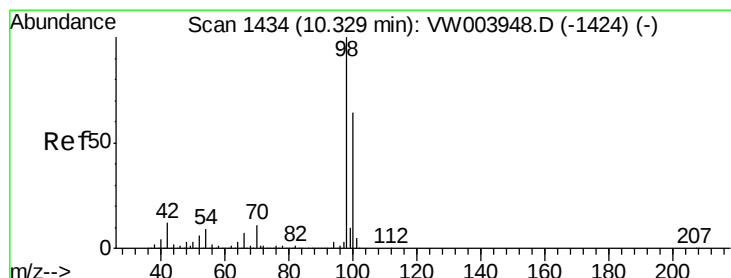
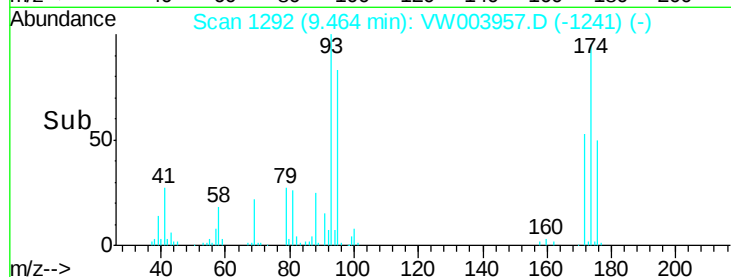
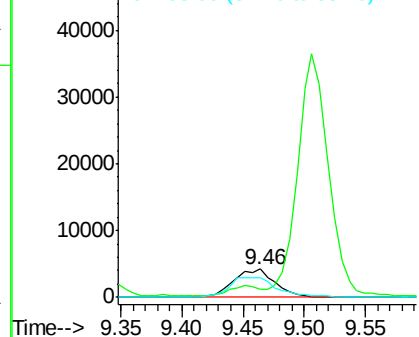
#49
1,4-Dioxane
Concen: 433.208 ug/l
RT: 9.46 min Scan# 1292
Delta R.T. 0.01 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 10133
Ion Ratio Lower Upper
88 100
43 24.3 27.3 40.9#
58 81.6 61.1 91.7

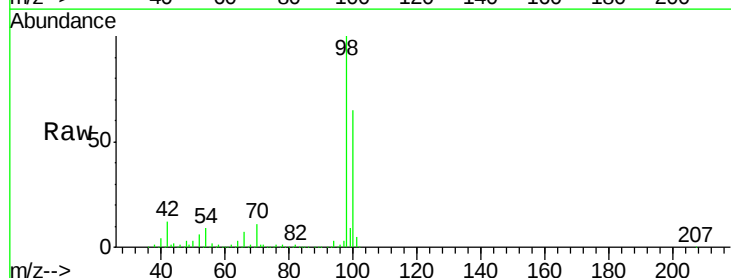


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

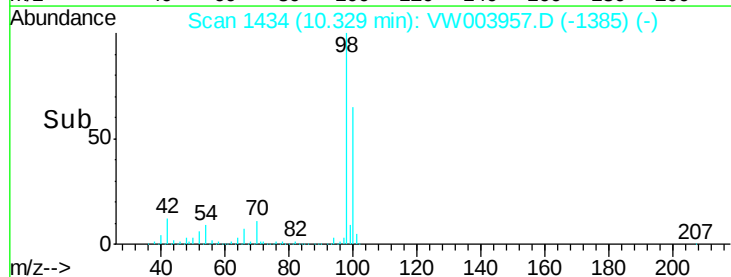
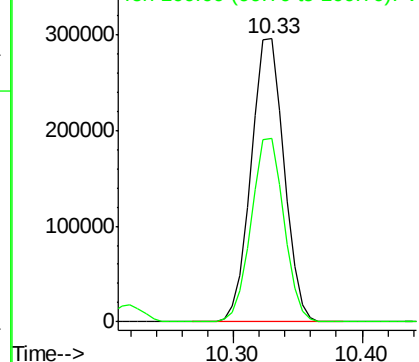


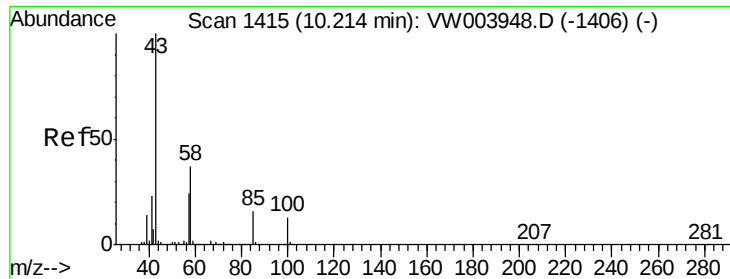
#50
Toluene-d8
Concen: 52.028 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

Tgt Ion: 98 Resp: 521385
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



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

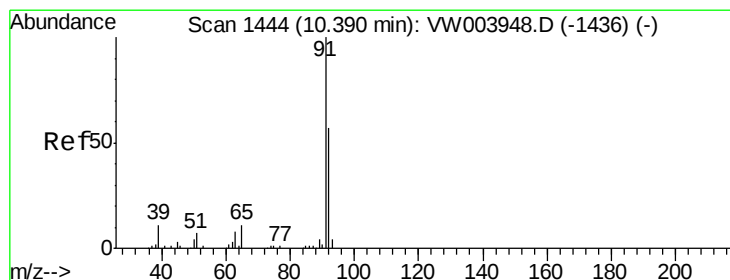
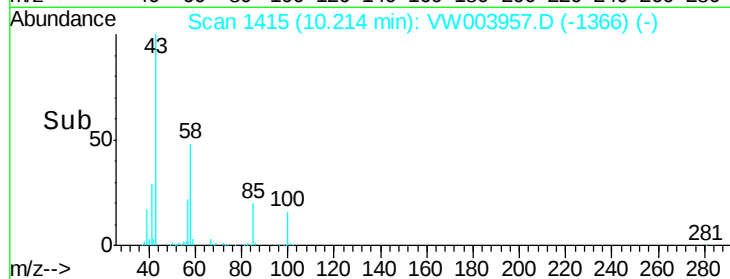
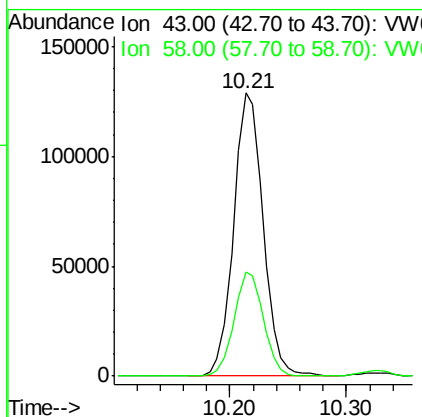
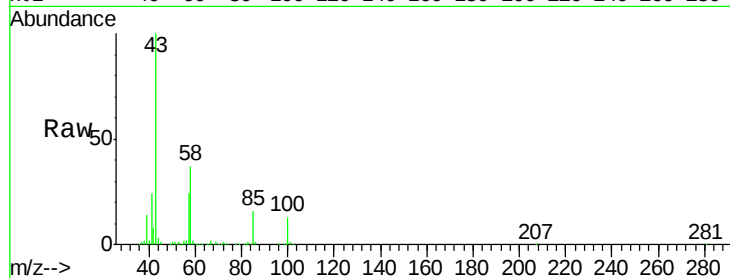




#51
 4-Methyl-2-Pentanone
 Concen: 114.151 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW003957.D
 Acq: 16 Jul 2018 17:57

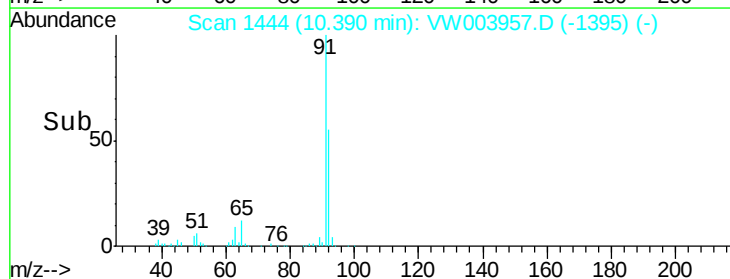
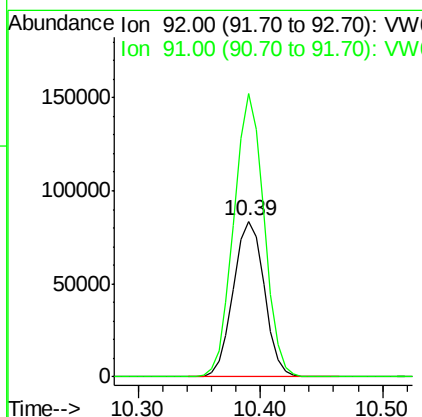
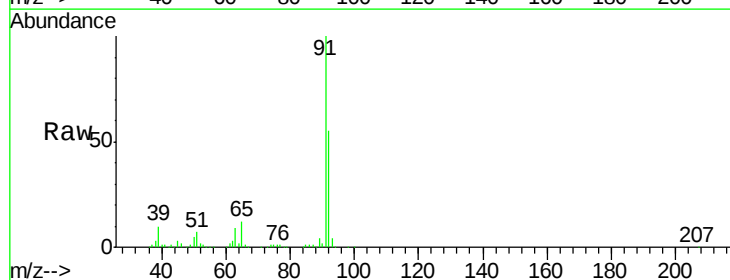
Instrument :
 MSVOA_W
 ClientSampled :

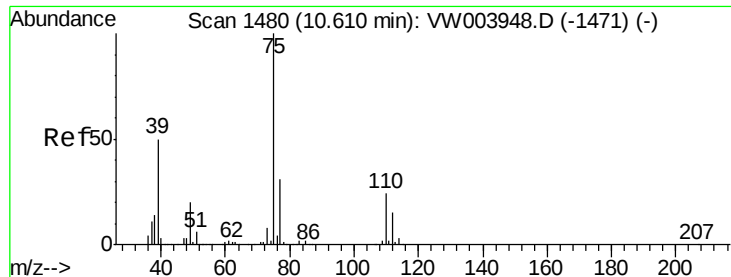
Tot Ion: 43 Resp: 227210
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.9 44.9



#52
 Toluene
 Concen: 20.672 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW003957.D
 Acq: 16 Jul 2018 17:57

Tgt Ion: 92 Resp: 146871
 Ion Ratio Lower Upper
 92 100
 91 176.9 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 20.738 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :

MSVOA_W

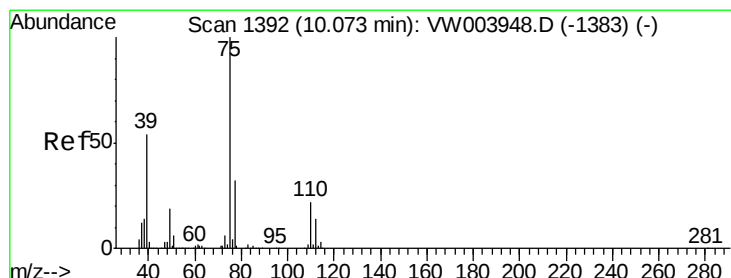
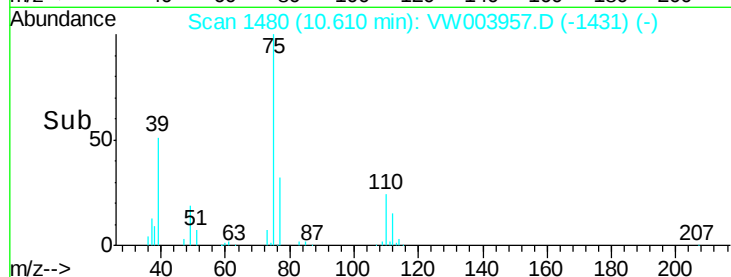
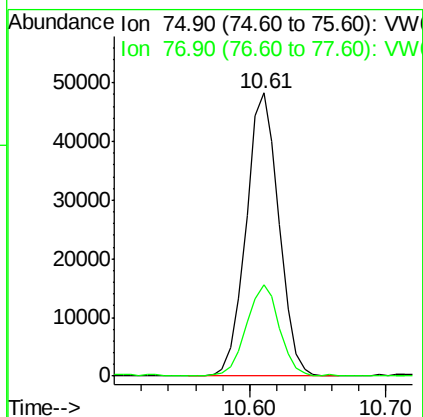
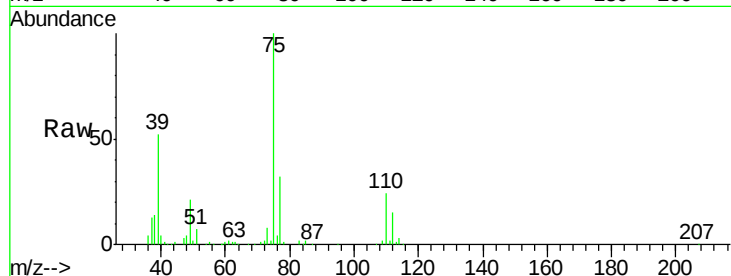
ClientSampled :

Tot Ion: 75 Resp: 81349

Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 20.302 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

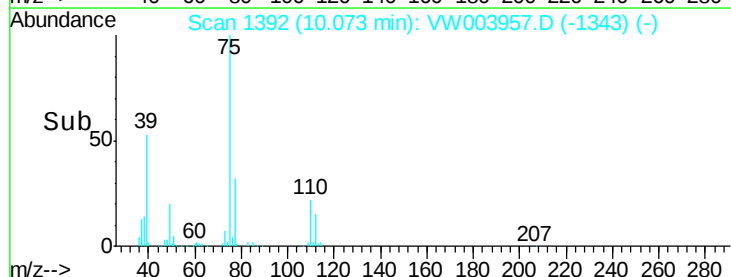
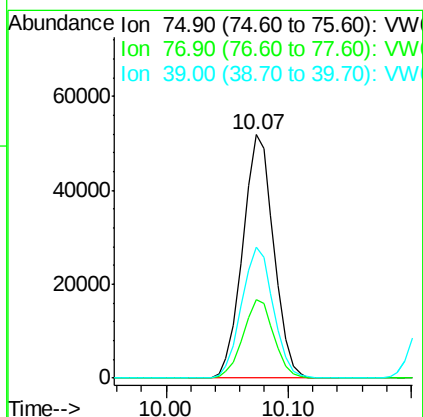
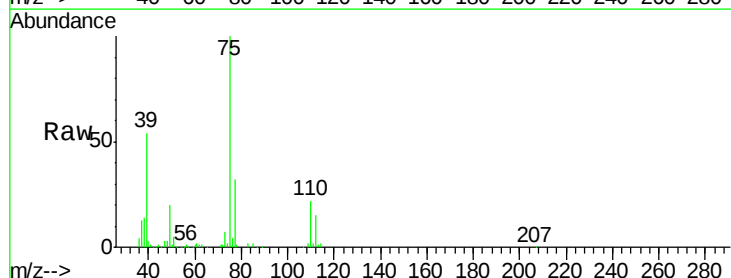
Tgt Ion: 75 Resp: 91106

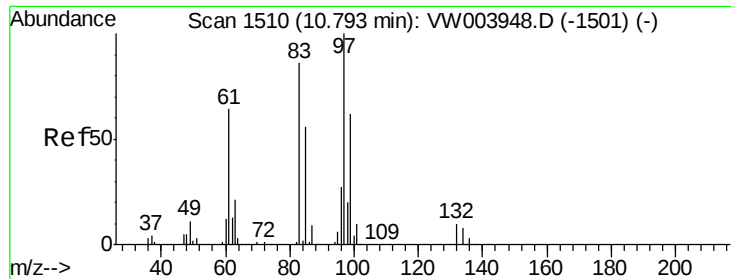
Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.2

39 53.7 43.0 64.6





#55

1,1,2-Trichloroethane

Concen: 21.448 ug/l

RT: 10.79 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 45901

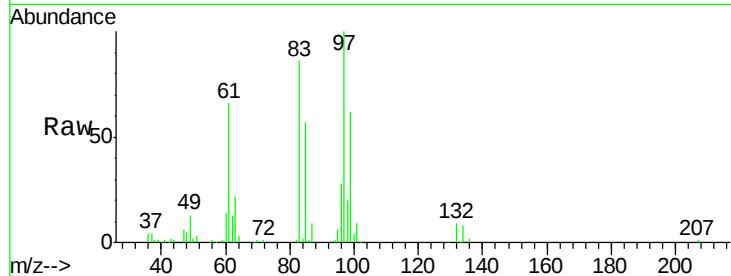
Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.0	103.4
85	56.9	45.0	67.6
99	62.4	49.9	74.9

97 100

83 85.4 69.0 103.4

85 56.9 45.0 67.6

99 62.4 49.9 74.9



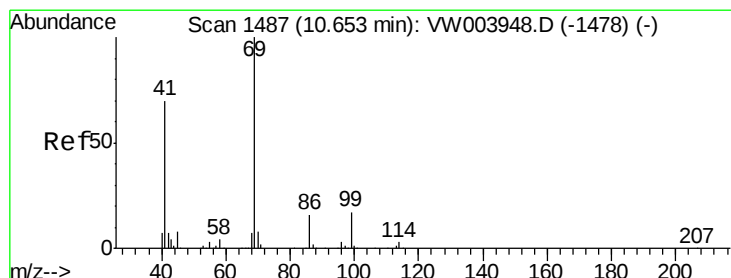
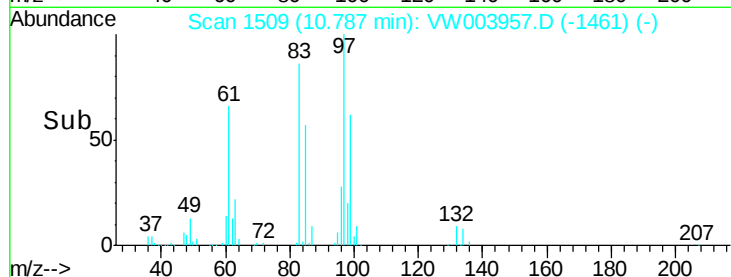
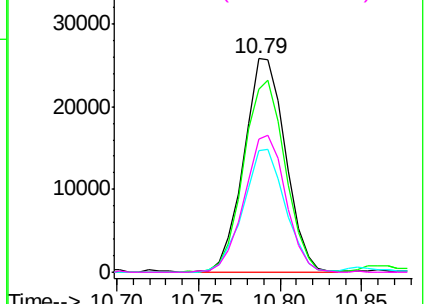
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 21.053 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

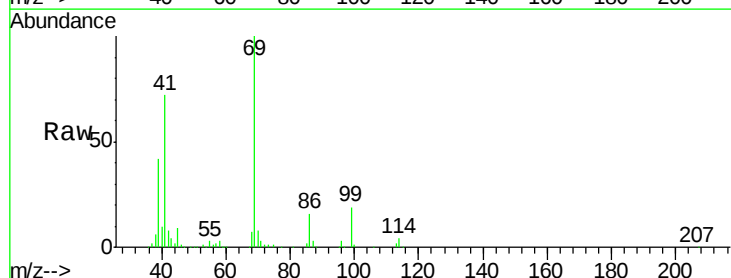
Tgt Ion: 69 Resp: 58899

Ion	Ratio	Lower	Upper
69	100		
41	76.7	56.5	84.7
39	37.1	30.2	45.4

69 100

41 76.7 56.5 84.7

39 37.1 30.2 45.4

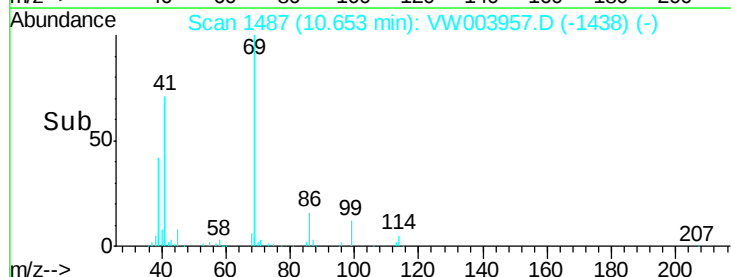
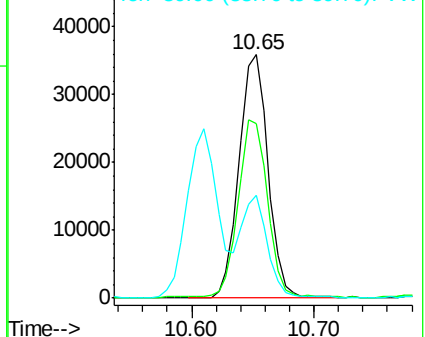


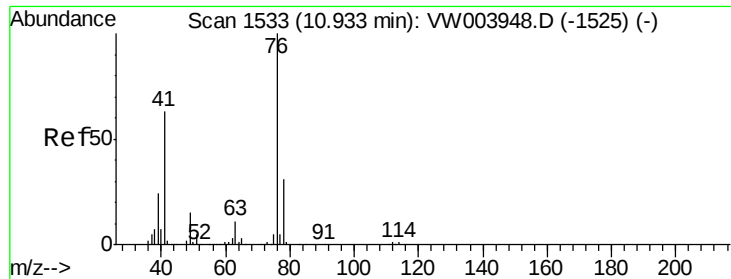
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

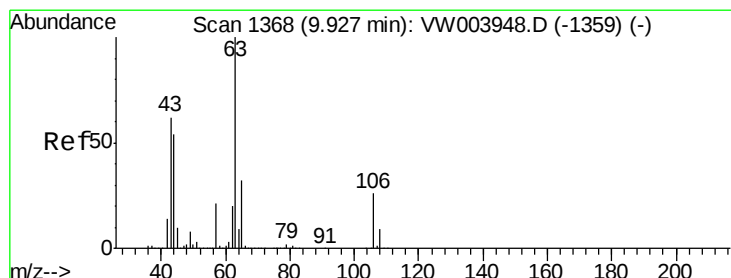
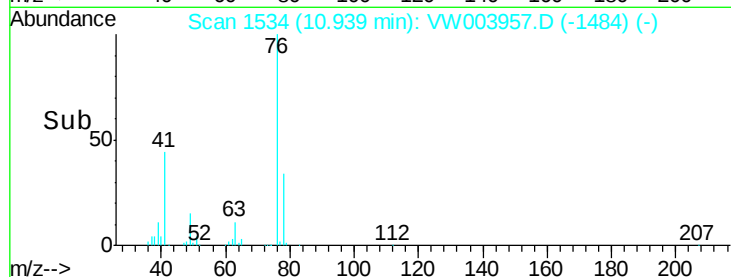
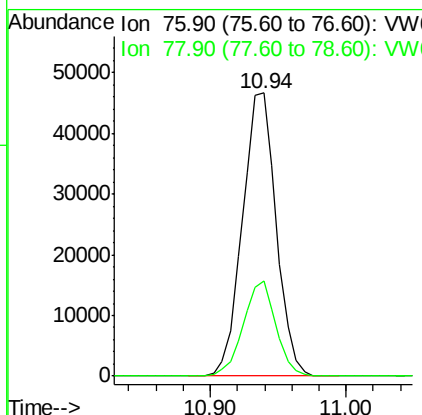
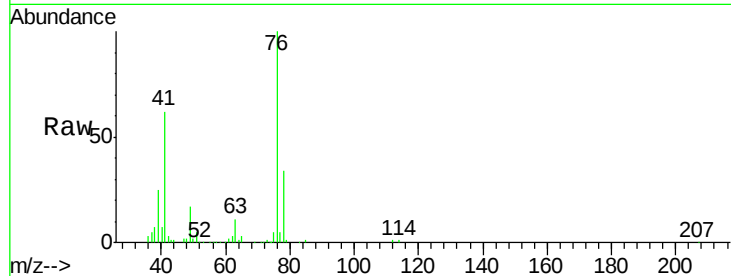




#57
 1,3-Dichloropropane
 Concen: 21.794 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW003957.D
 Acq: 16 Jul 2018 17:57

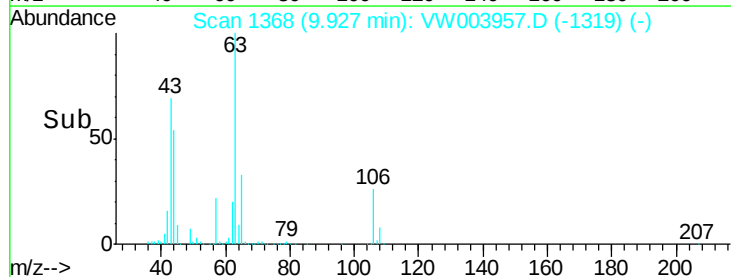
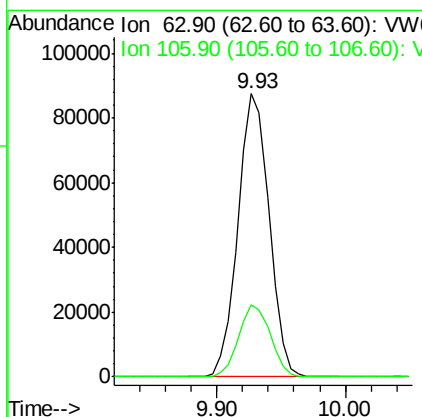
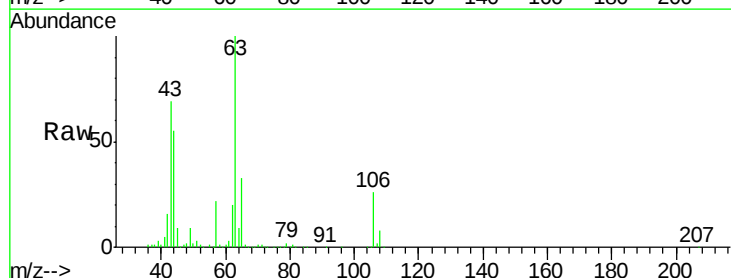
Instrument :
 MSVOA_W
 ClientSampled :

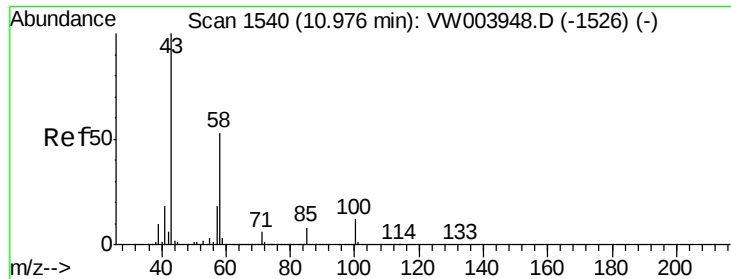
Tot Ion: 76 Resp: 81035
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.339 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW003957.D
 Acq: 16 Jul 2018 17:57

Tgt Ion: 63 Resp: 146435
 Ion Ratio Lower Upper
 63 100
 106 25.9 21.2 31.8

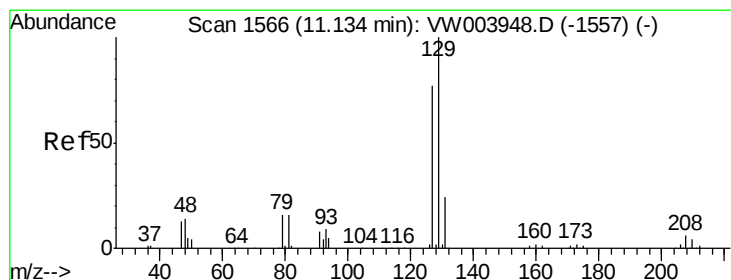
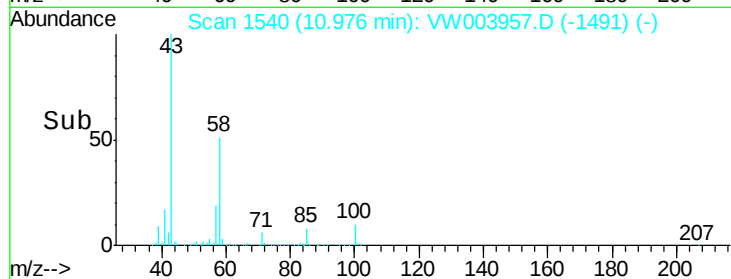
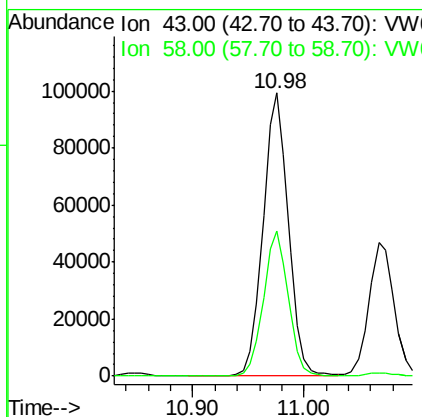
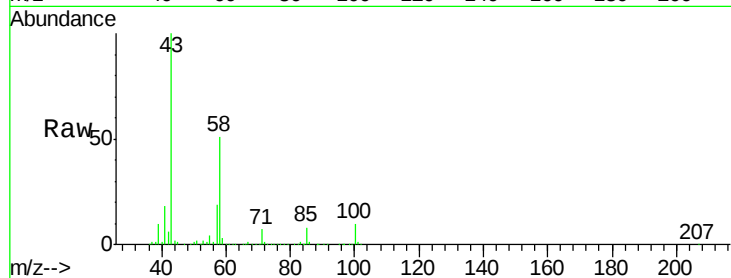




#59
2-Hexanone
Concen: 112.067 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

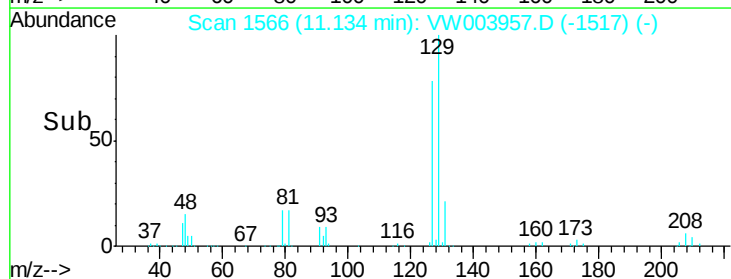
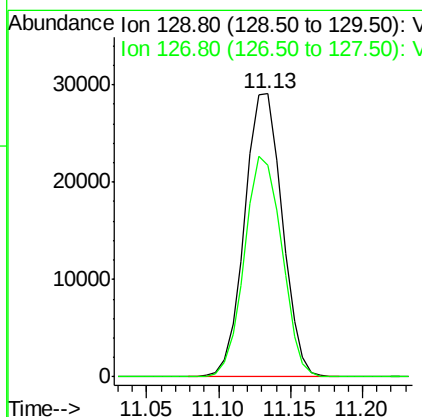
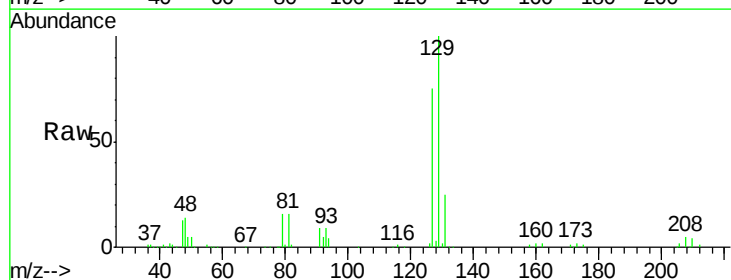
Instrument :
MSVOA_W
ClientSampled :

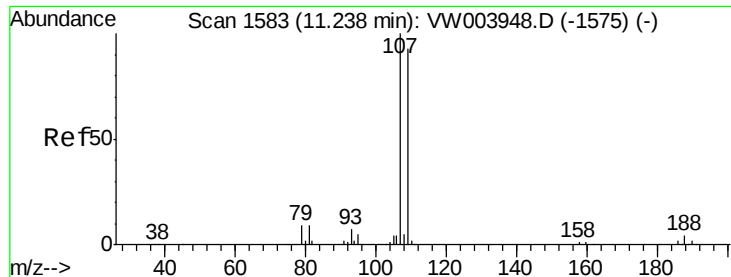
Tot Ion: 43 Resp: 157217
Ion Ratio Lower Upper
43 100
58 50.4 26.0 78.0



#60
Dibromochloromethane
Concen: 21.124 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

Tgt Ion: 129 Resp: 52647
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.3





#61

1,2-Dibromoethane

Concen: 21.687 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :

MSVOA_W

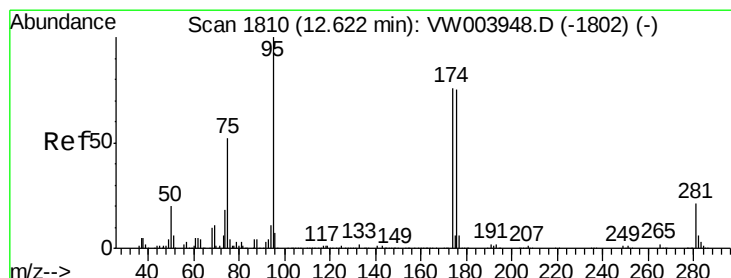
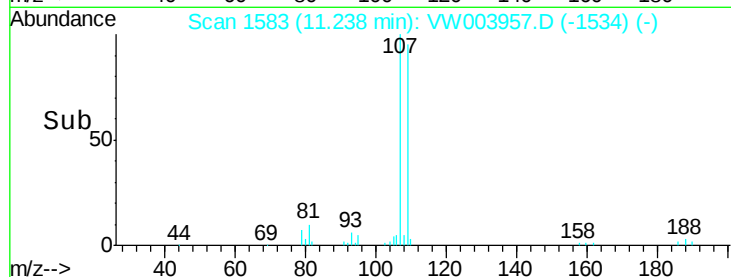
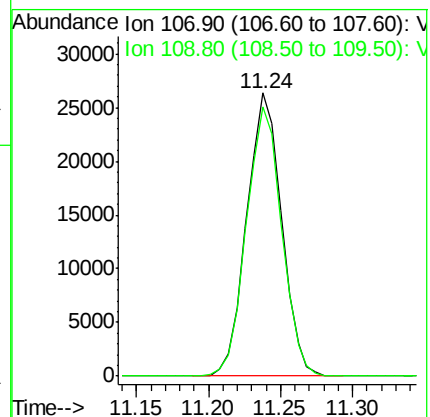
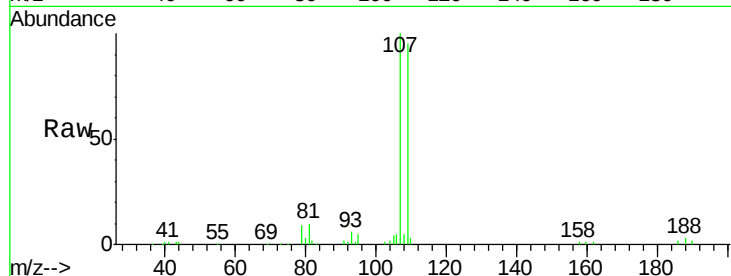
ClientSampleId :

Tot Ion:107 Resp: 44162

Ion Ratio Lower Upper

107 100

109 96.2 74.3 111.5



#62

4-Bromofluorobenzene

Concen: 52.149 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

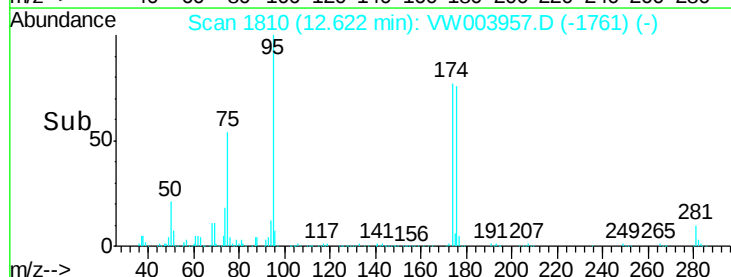
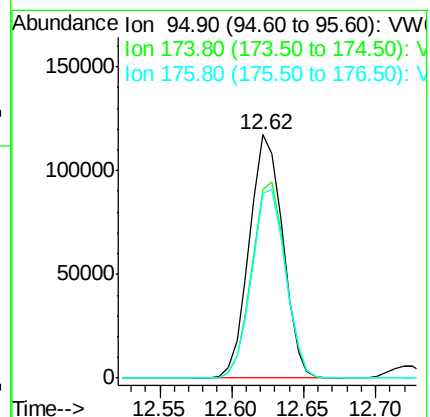
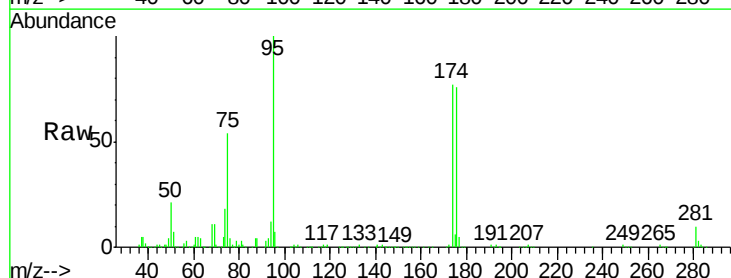
Tgt Ion: 95 Resp: 188450

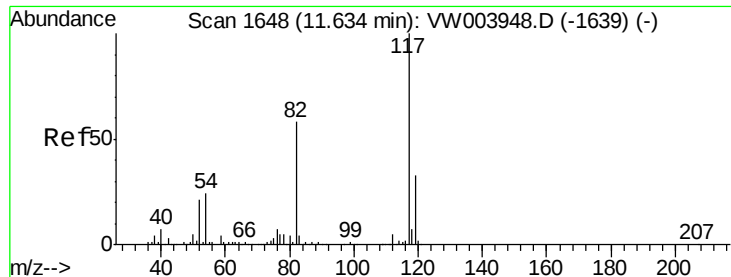
Ion Ratio Lower Upper

95 100

174 81.1 0.0 160.2

176 78.5 0.0 155.8

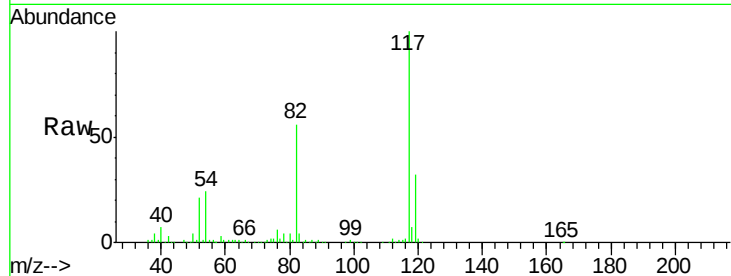




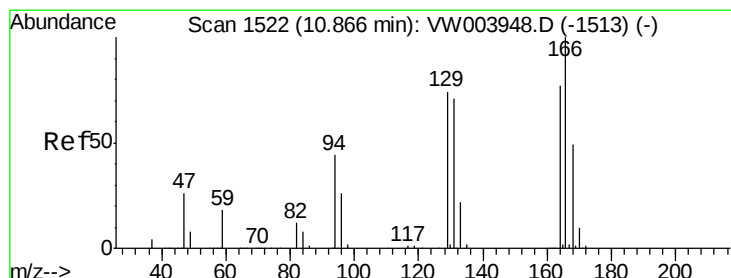
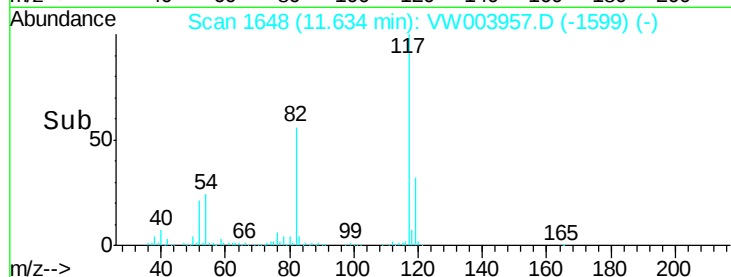
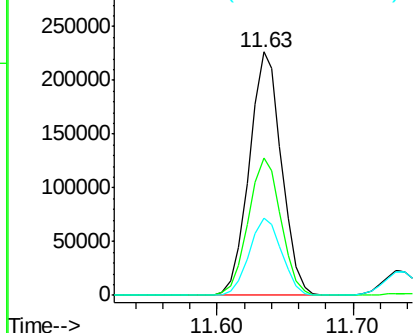
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 375190
Ion Ratio Lower Upper
117 100
82 56.5 46.5 69.7
119 31.9 26.2 39.2

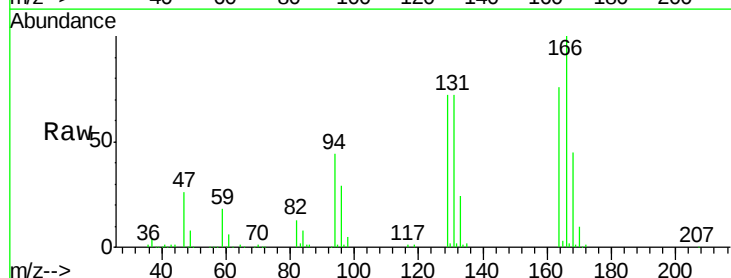


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

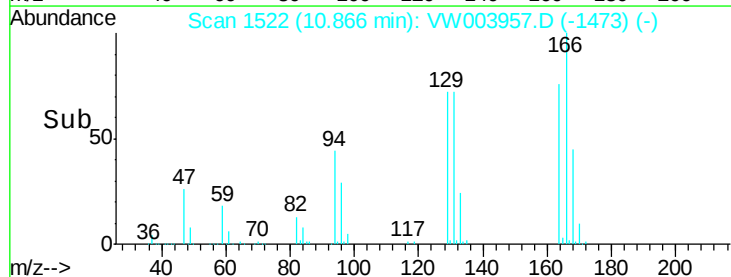
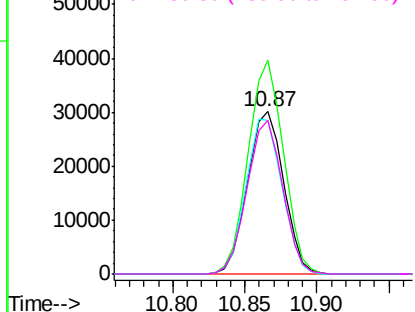


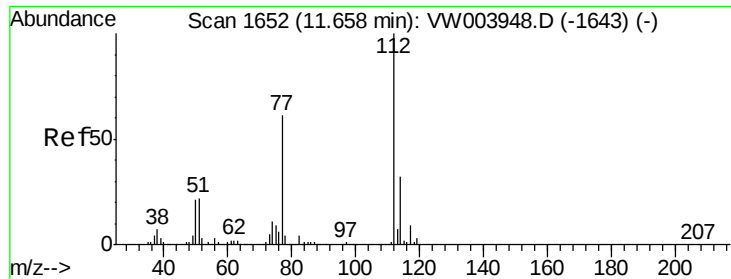
#64
Tetrachloroethene
Concen: 20.349 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

Tgt Ion:164 Resp: 52386
Ion Ratio Lower Upper
164 100
166 131.4 103.5 155.3
129 94.8 76.8 115.2
131 94.2 73.2 109.8



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

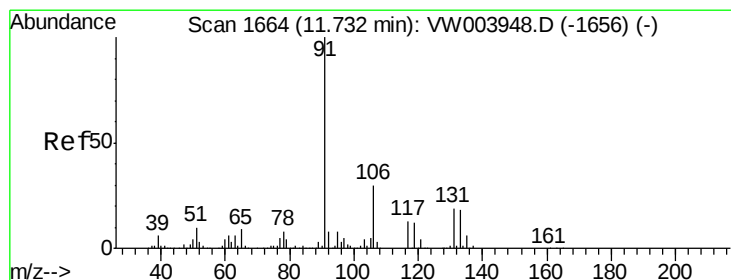
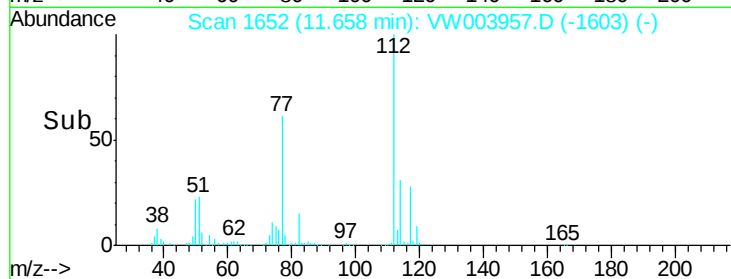
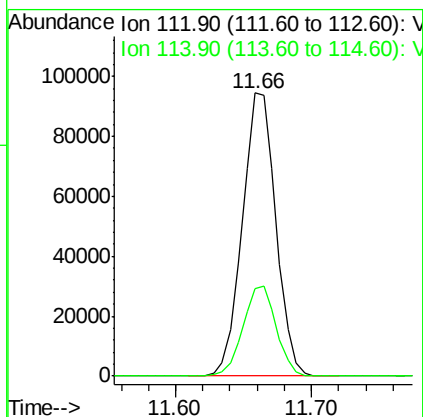
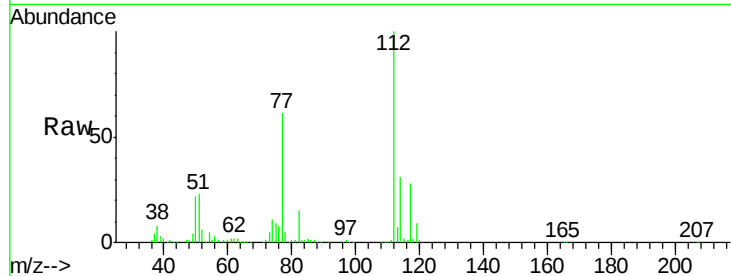




#65
Chlorobenzene
Concen: 20.361 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

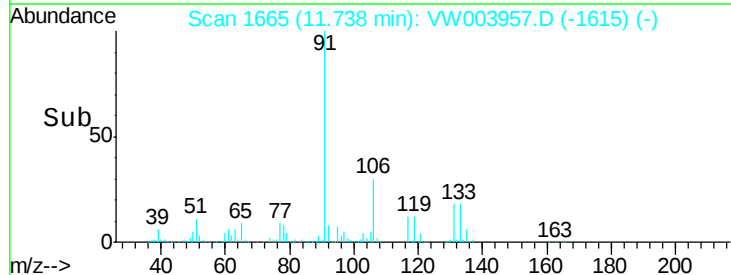
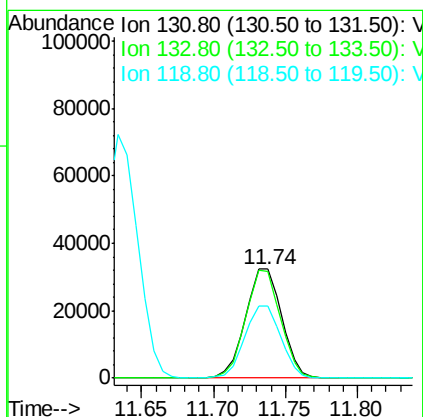
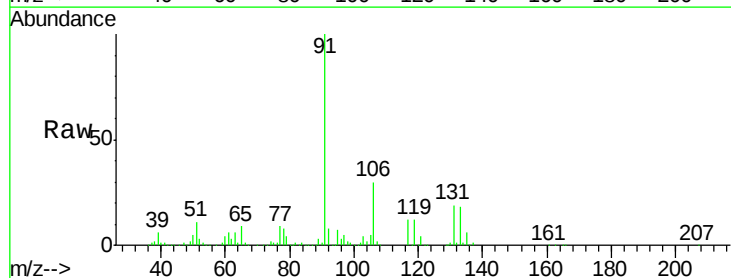
Instrument :
MSVOA_W
ClientSampleId :

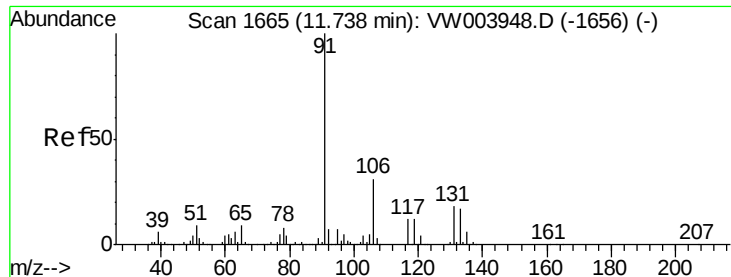
Tot Ion:112 Resp: 162439
Ion Ratio Lower Upper
112 100
114 31.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.347 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.01 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

Tgt Ion:131 Resp: 56409
Ion Ratio Lower Upper
131 100
133 95.2 47.9 143.8
119 66.1 32.5 97.5

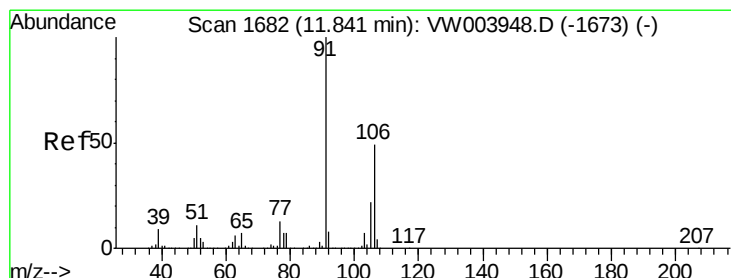
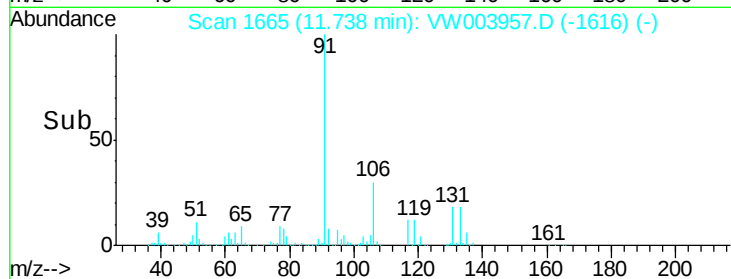
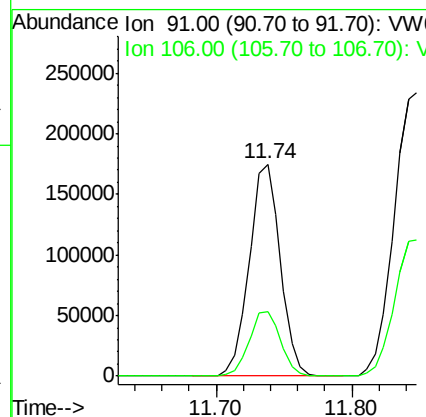
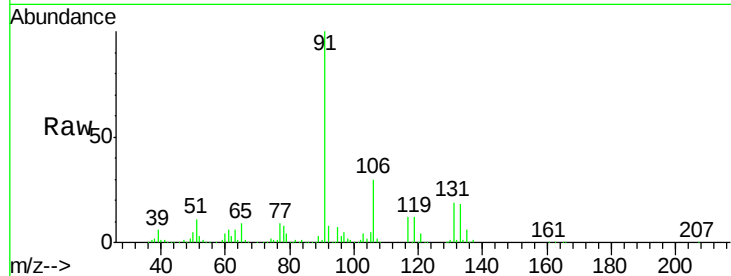




#67
Ethyl Benzene
Concen: 19.947 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

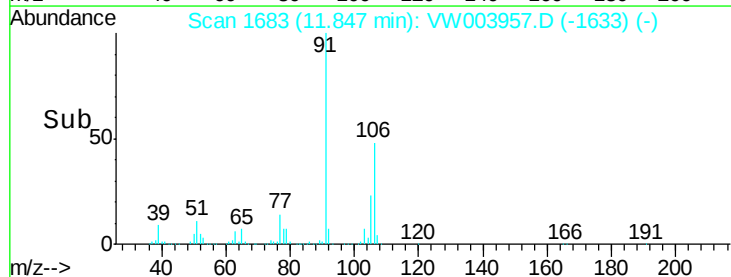
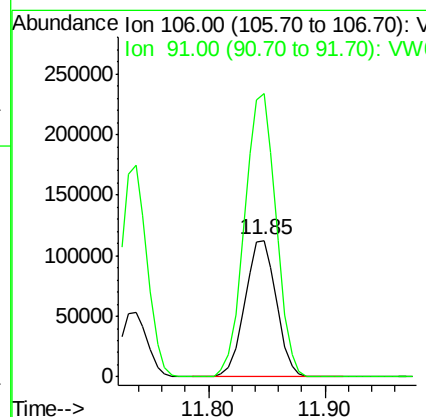
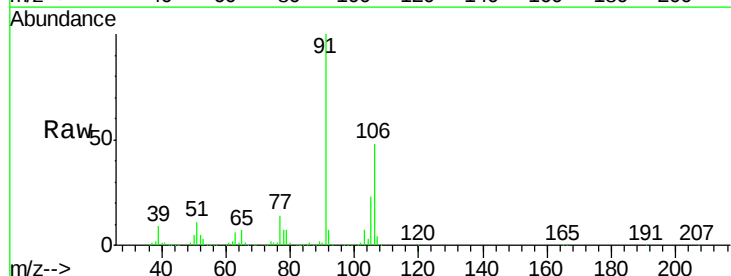
Instrument :
MSVOA_W
ClientSampled :

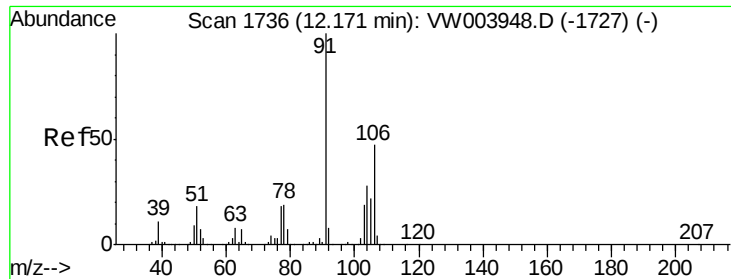
Tot Ion: 91 Resp: 279557
Ion Ratio Lower Upper
91 100
106 30.3 25.0 37.4



#68
m/p-Xylenes
Concen: 39.580 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

Tgt Ion: 106 Resp: 212012
Ion Ratio Lower Upper
106 100
91 207.7 164.2 246.2

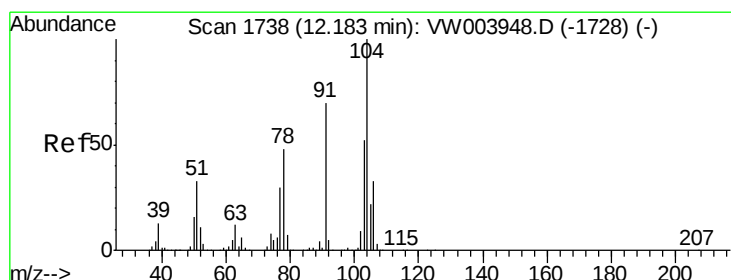
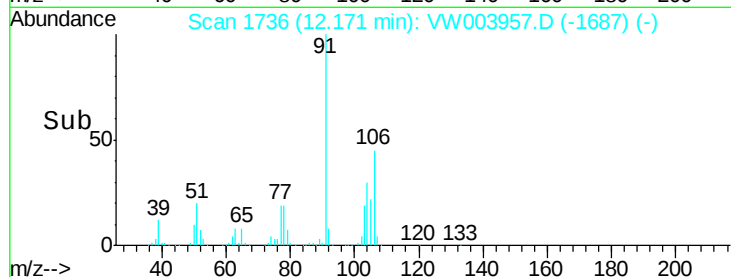
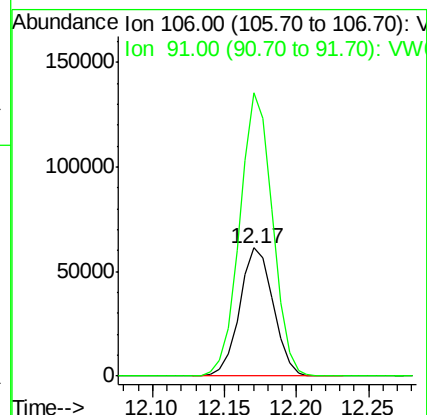
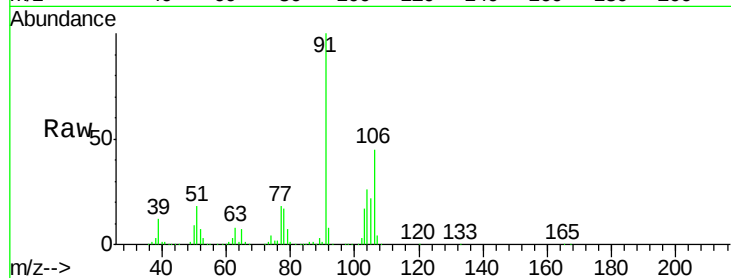




#69
o-Xylene
Concen: 20.001 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

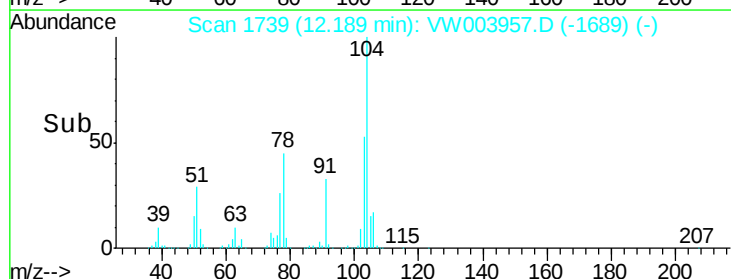
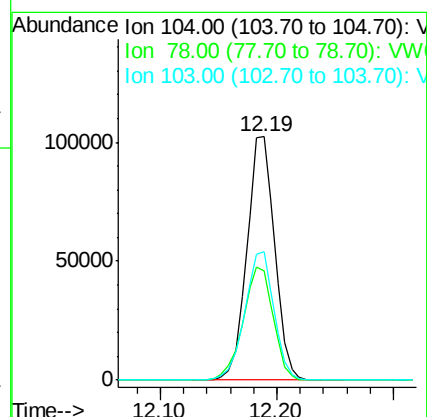
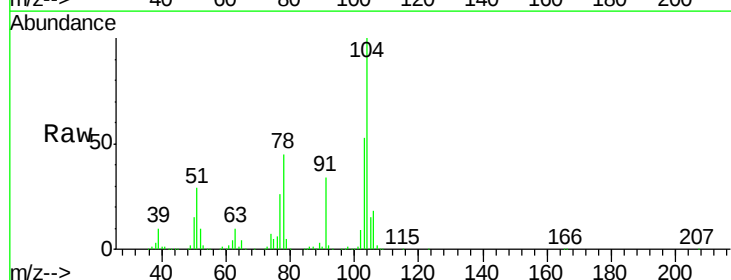
Instrument :
MSVOA_W
ClientSampled :

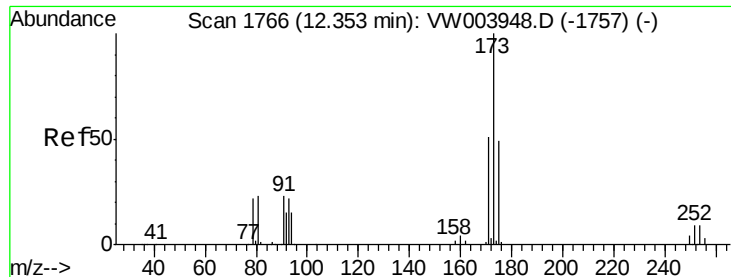
Tot Ion:106 Resp: 99381
Ion Ratio Lower Upper
106 100
91 215.4 107.5 322.6



#70
Styrene
Concen: 20.562 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

Tgt Ion:104 Resp: 170650
Ion Ratio Lower Upper
104 100
78 50.3 41.0 61.4
103 55.5 44.6 67.0





#71

Bromoform

Concen: 20.568 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :

MSVOA_W

ClientSampleId :

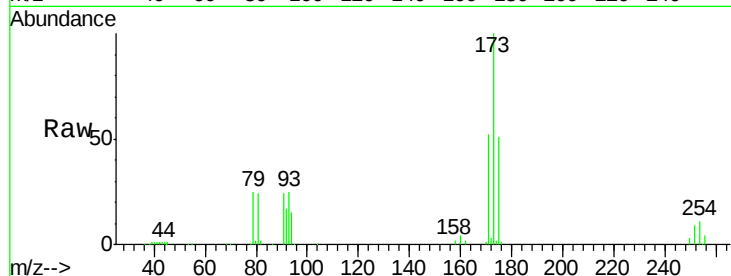
Tot Ion:173 Resp: 32195

Ion Ratio Lower Upper

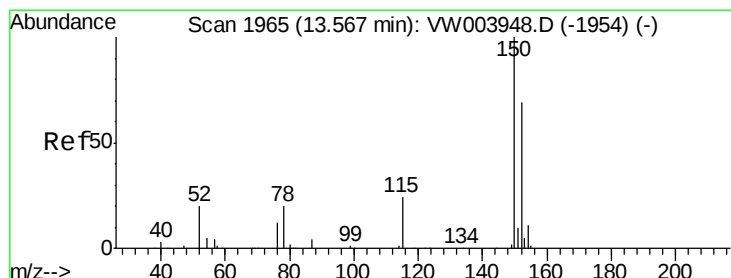
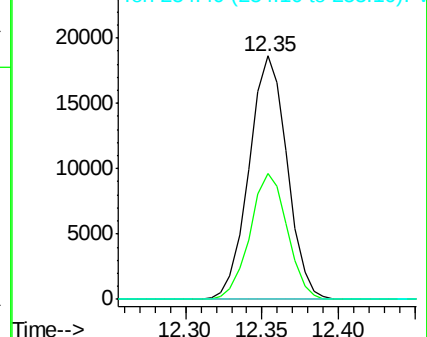
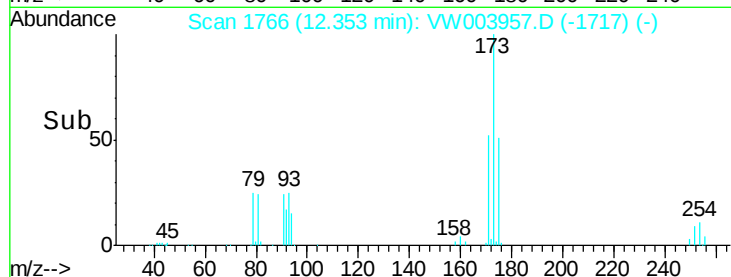
173 100

175 50.5 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: VW003957.D

Acq: 16 Jul 2018 17:57

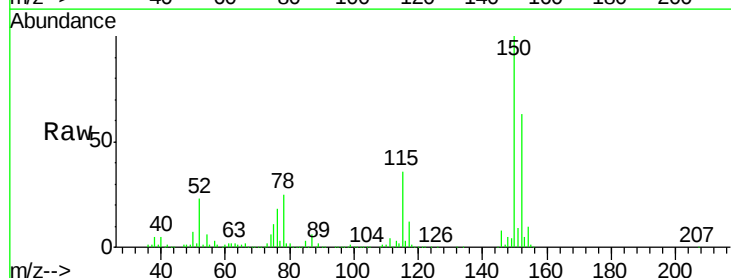
Tgt Ion:152 Resp: 196889

Ion Ratio Lower Upper

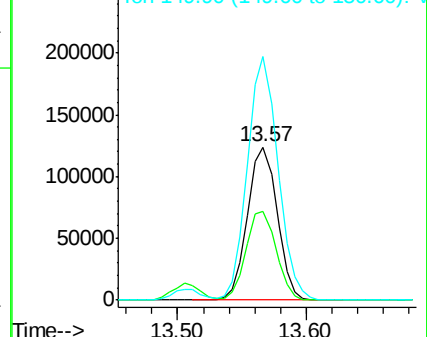
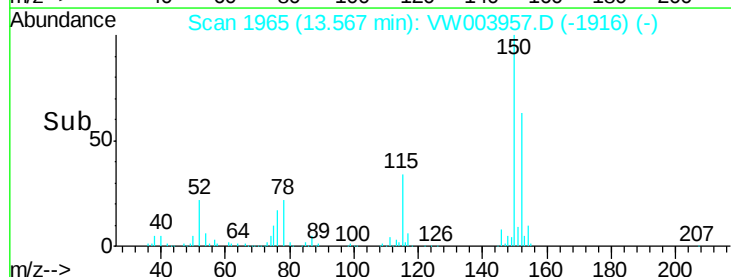
152 100

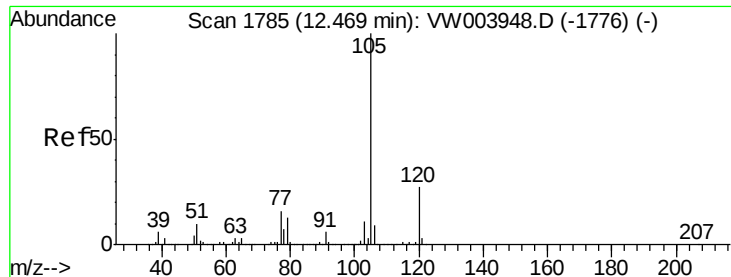
115 59.3 29.2 87.6

150 164.1 0.0 345.2



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





#73

Isopropylbenzene

Concen: 19.427 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :

MSVOA_W

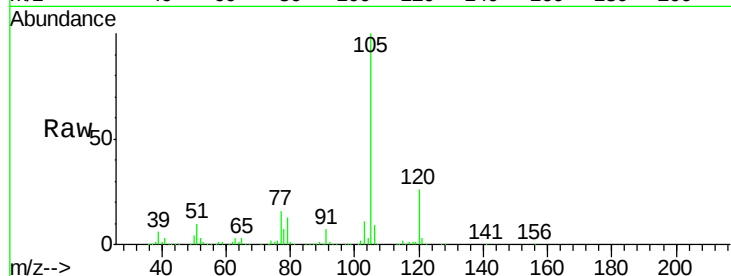
ClientSampleId :

Tot Ion:105 Resp: 270285

Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

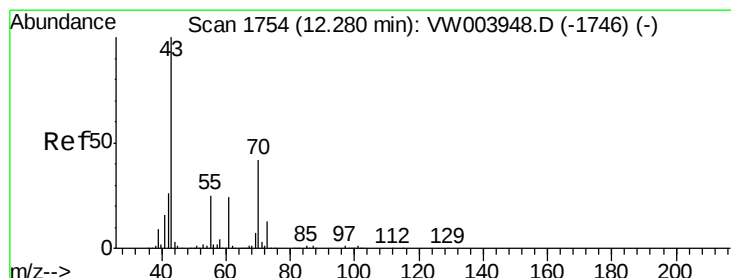
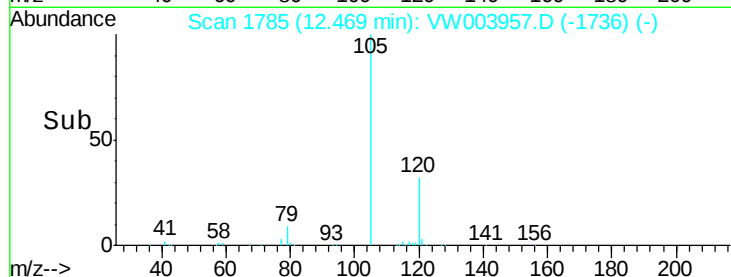
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.836 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Tgt Ion: 43 Resp: 79157

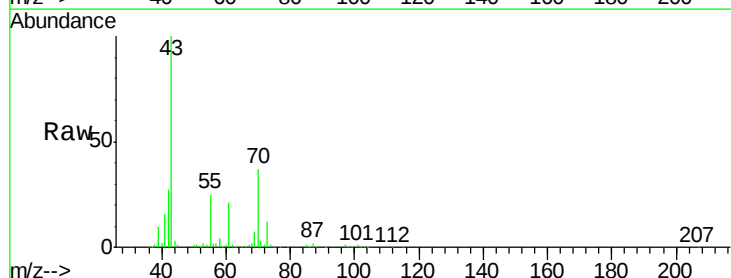
Ion Ratio Lower Upper

43 100

70 39.0 31.6 47.4

55 25.4 20.0 30.0

61 22.1 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

12.28

80000

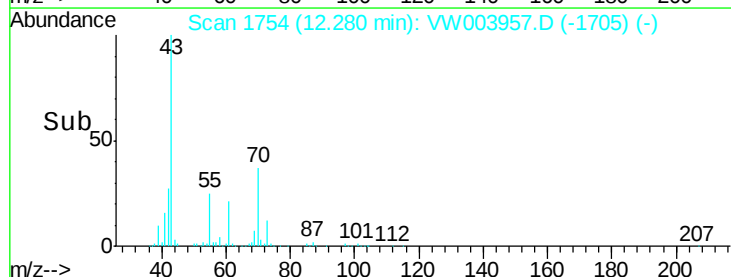
60000

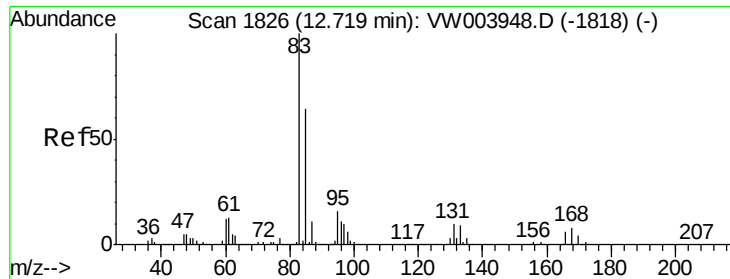
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.400 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :

MSVOA_W

ClientSampleId :

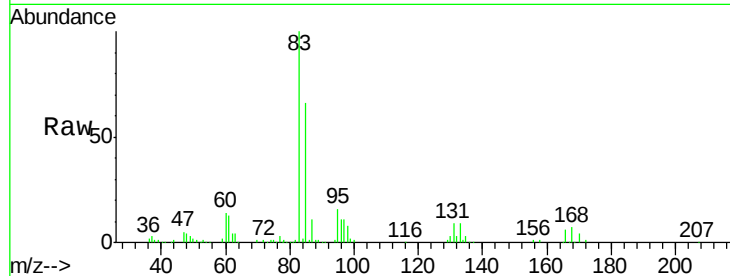
Tot Ion: 83 Resp: 57578

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.8

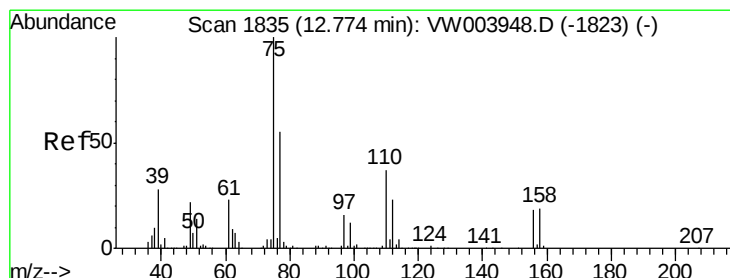
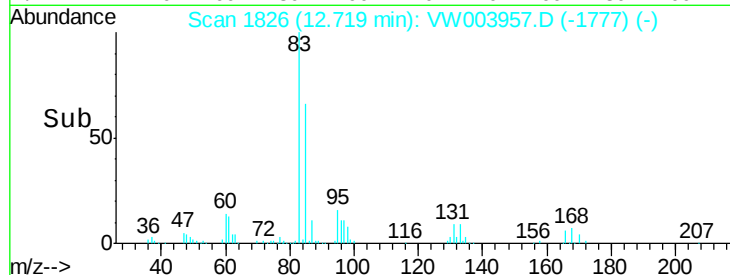
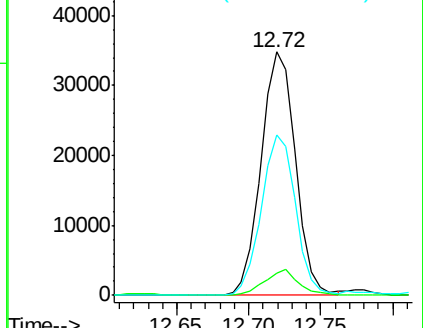
85 65.5 32.2 96.6



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: 39.133 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003957.D

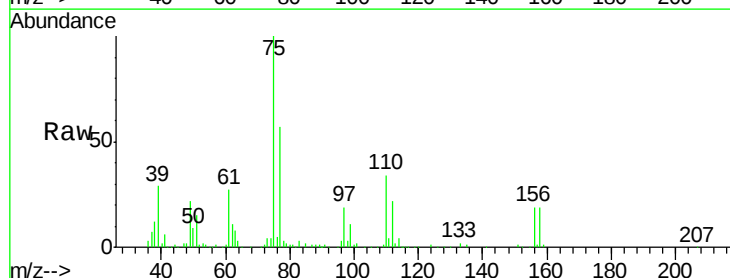
Acq: 16 Jul 2018 17:57

Tgt Ion: 75 Resp: 76491

Ion Ratio Lower Upper

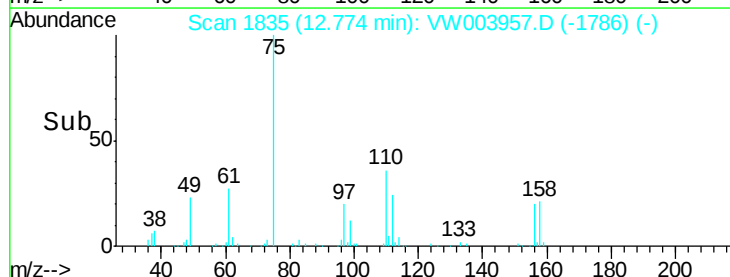
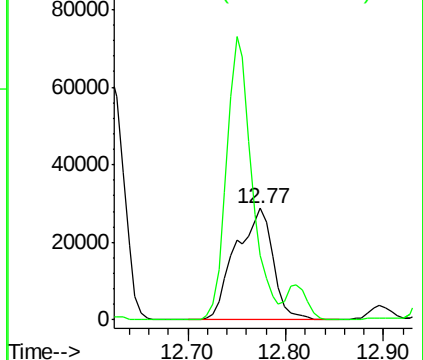
75 100

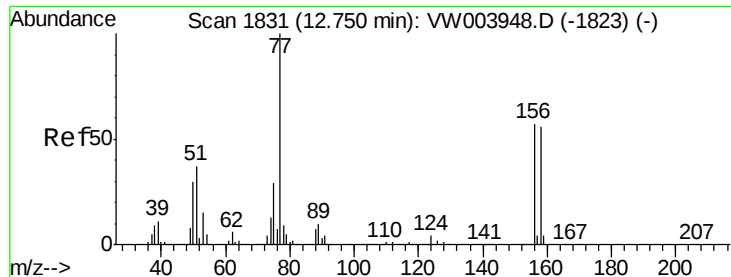
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.161 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :

MSVOA_W

ClientSampled :

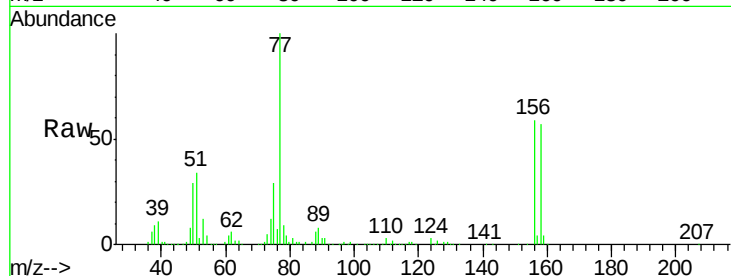
Tot Ion:156 Resp: 67116

Ion Ratio Lower Upper

156 100

77 196.3 96.2 288.6

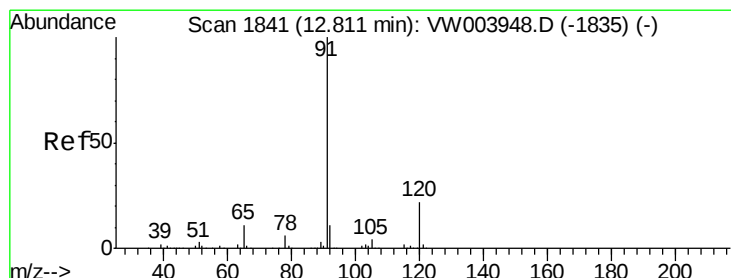
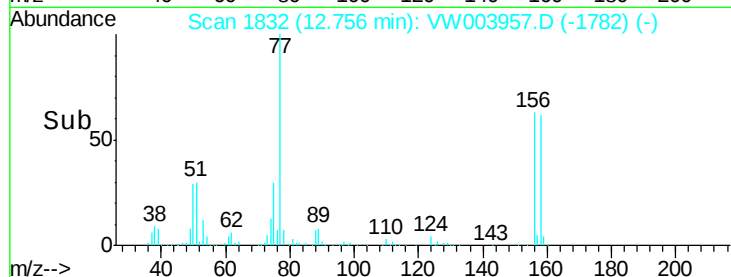
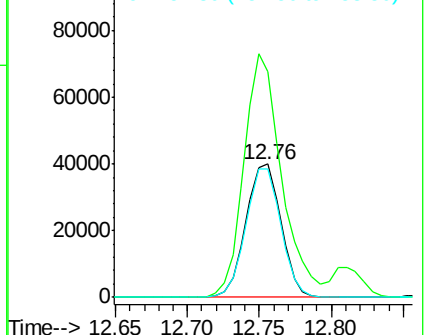
158 97.0 48.5 145.5



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: 19.833 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW003957.D

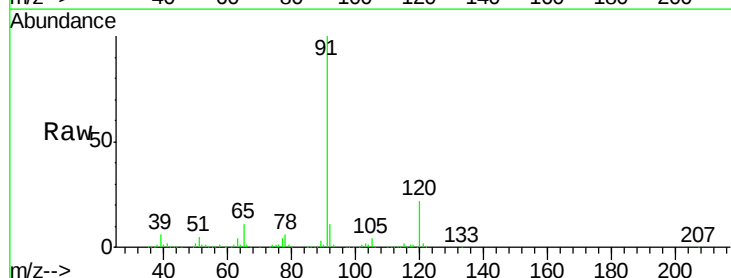
Acq: 16 Jul 2018 17:57

Tgt Ion: 91 Resp: 338515

Ion Ratio Lower Upper

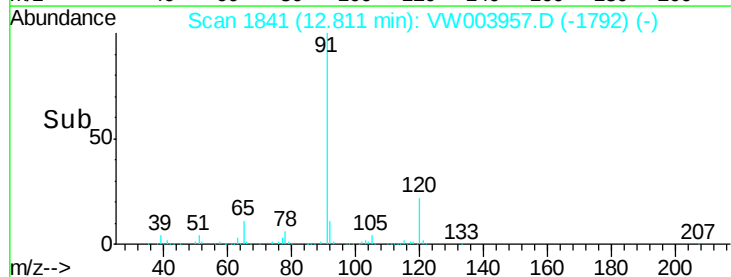
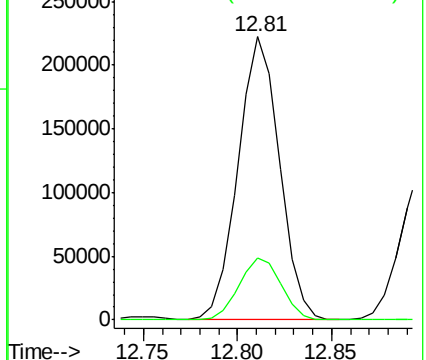
91 100

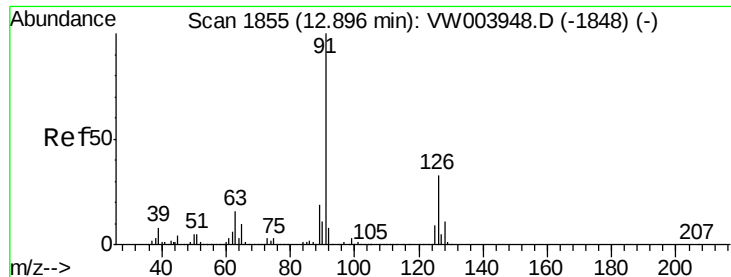
120 22.3 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.162 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :

MSVOA_W

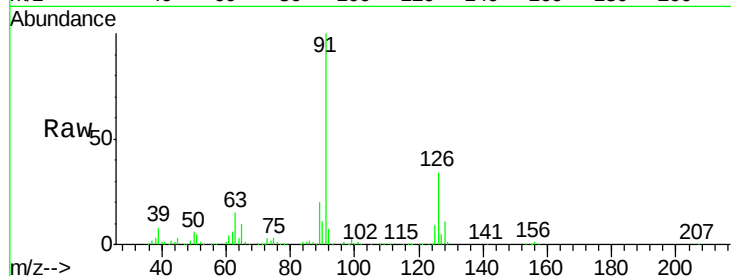
ClientSampled :

Tot Ion: 91 Resp: 194087

Ion Ratio Lower Upper

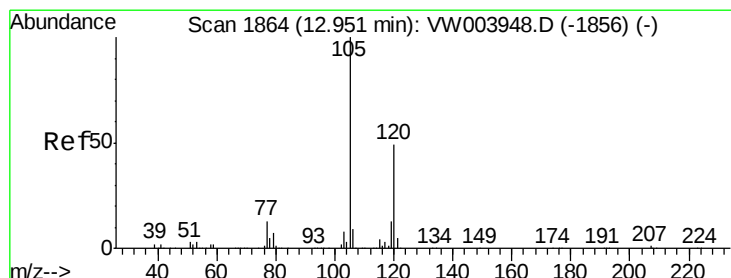
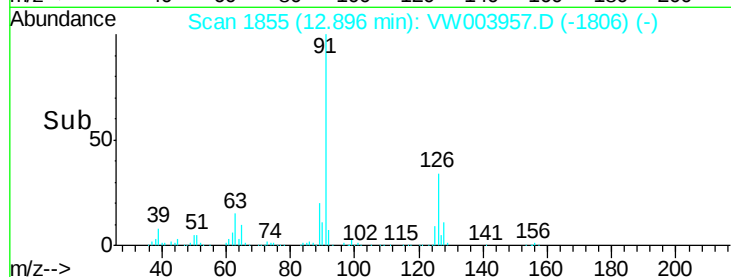
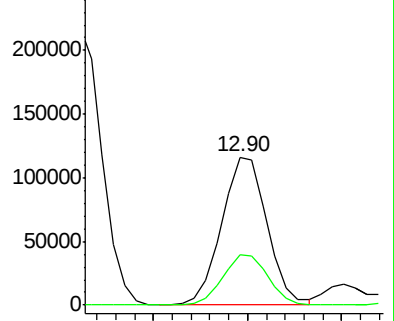
91 100

126 34.1 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.918 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003957.D

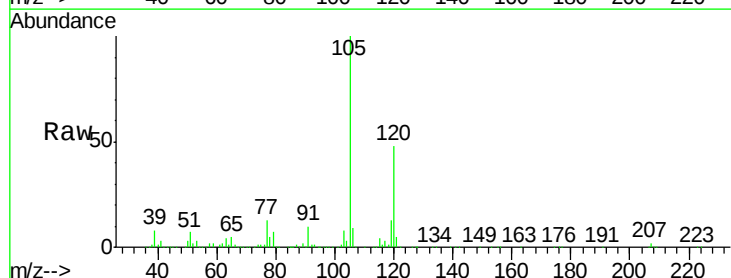
Acq: 16 Jul 2018 17:57

Tgt Ion:105 Resp: 233203

Ion Ratio Lower Upper

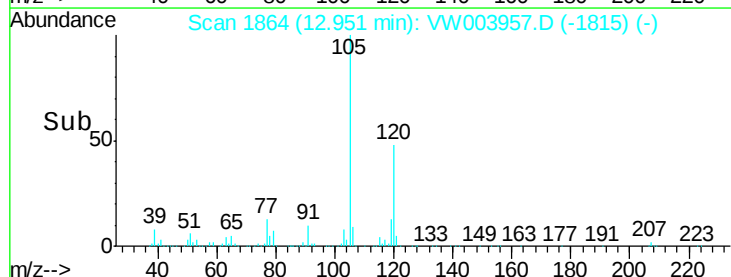
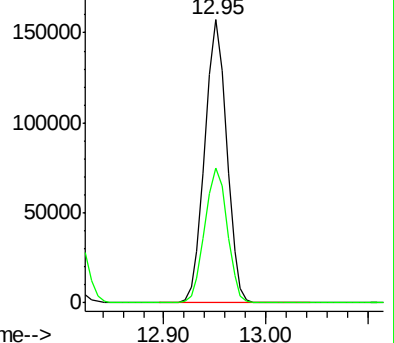
105 100

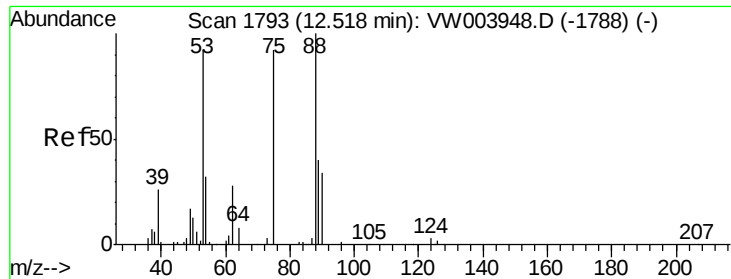
120 48.9 24.4 73.2



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: 20.509 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :

MSVOA_W

ClientSampleId :

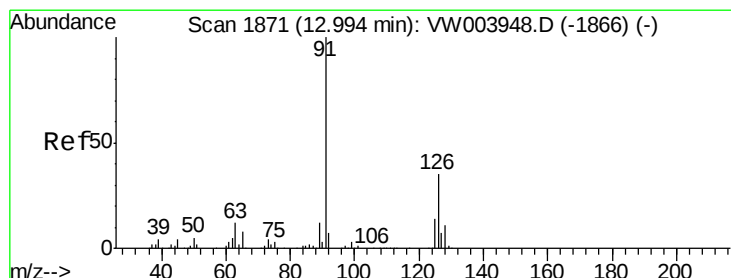
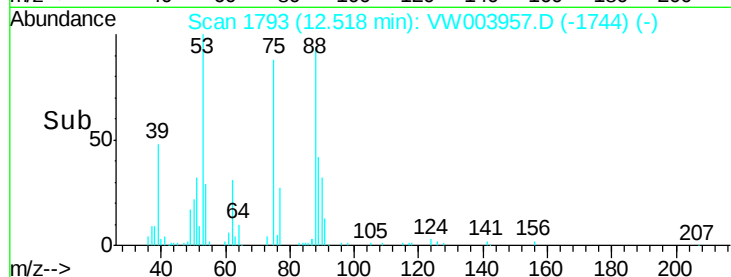
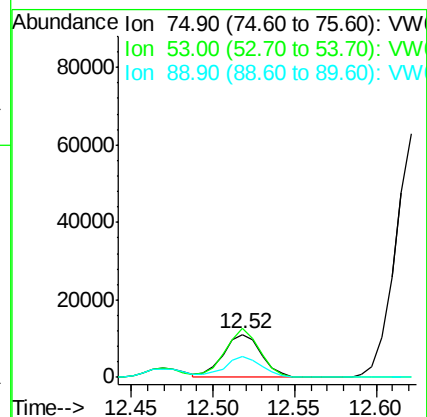
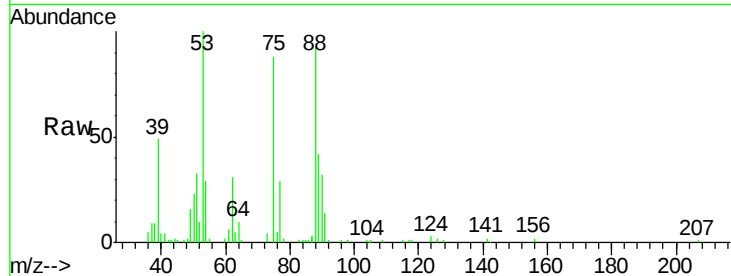
Tot Ion: 75 Resp: 18123

Ion Ratio Lower Upper

75 100

53 103.1 77.6 116.4

89 47.0 36.6 54.8



#82

4-Chlorotoluene

Concen: 20.031 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW003957.D

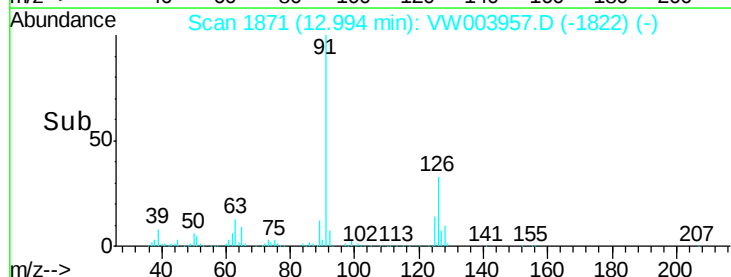
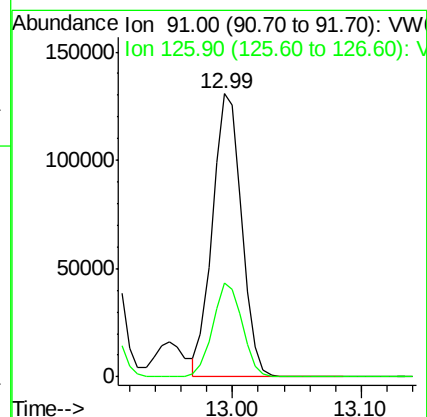
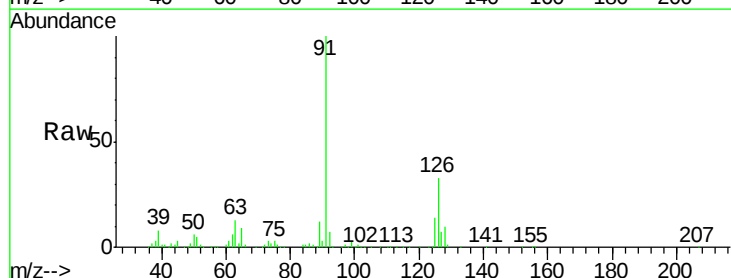
Acq: 16 Jul 2018 17:57

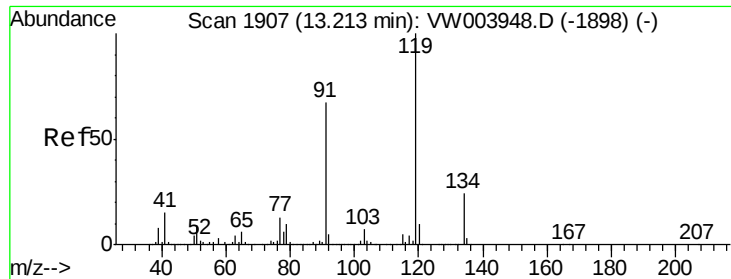
Tgt Ion: 91 Resp: 206933

Ion Ratio Lower Upper

91 100

126 33.6 16.7 50.0

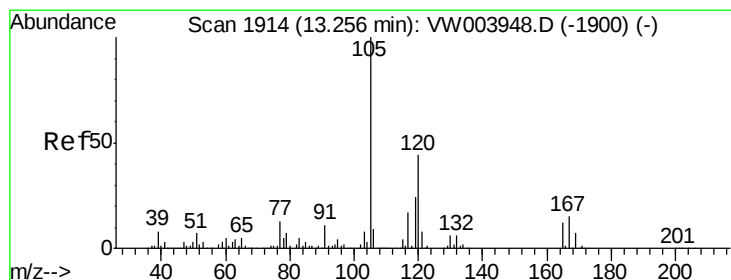
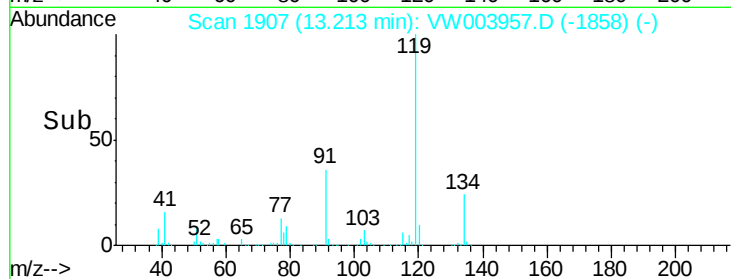
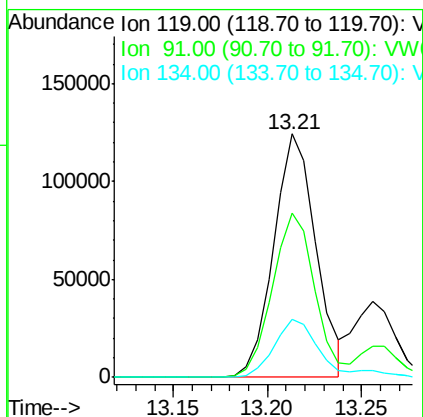
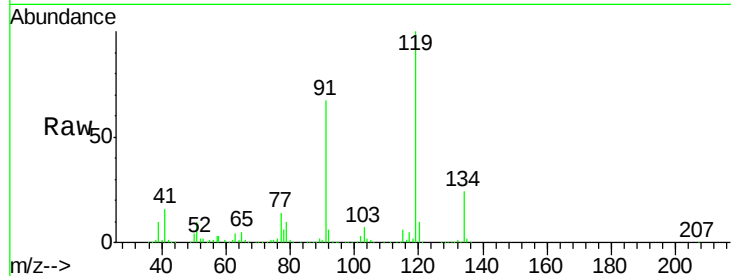




#83
tert-Butylbenzene
Concen: 19.606 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

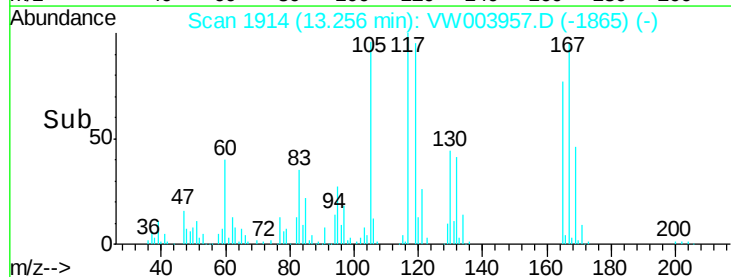
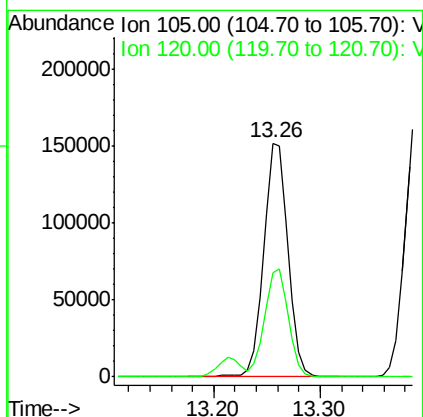
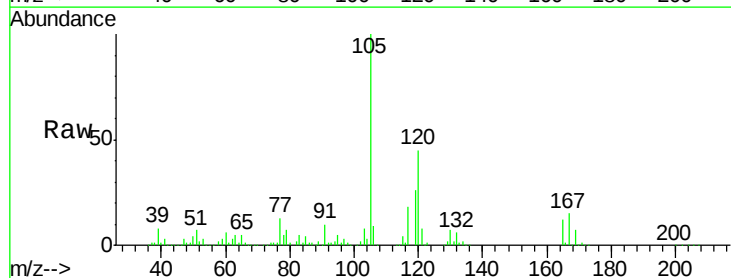
Instrument :
MSVOA_W
ClientSampleId :

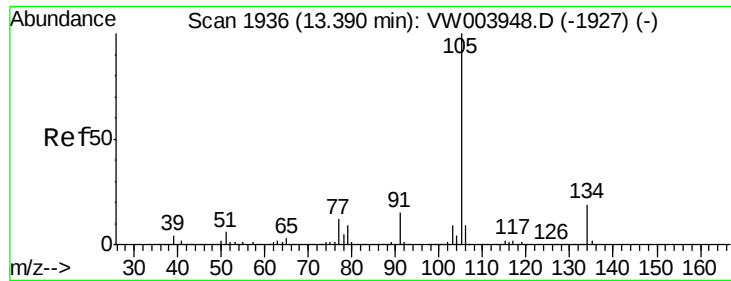
Tot Ion:119 Resp: 192719
Ion Ratio Lower Upper
119 100
91 68.4 33.2 99.6
134 26.4 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 20.057 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW003957.D
Acq: 16 Jul 2018 17:57

Tgt Ion:105 Resp: 241608
Ion Ratio Lower Upper
105 100
120 45.1 22.1 66.1

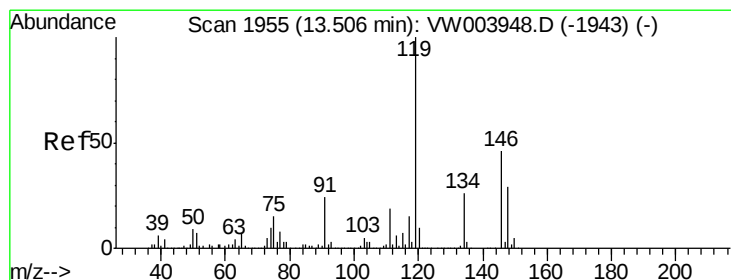
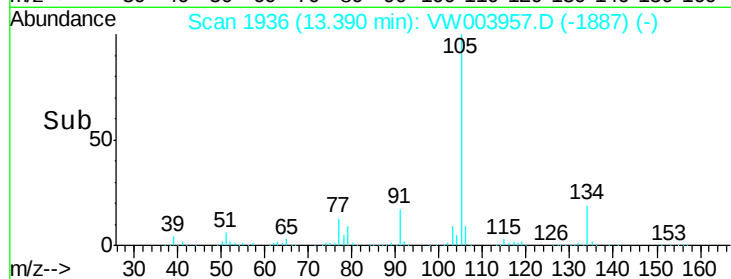
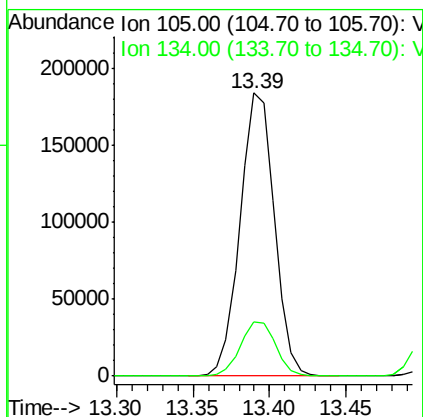
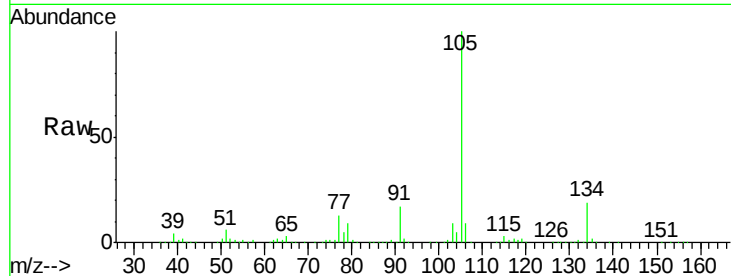




#85
 sec-Butylbenzene
 Concen: 19.609 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW003957.D
 Acq: 16 Jul 2018 17:57

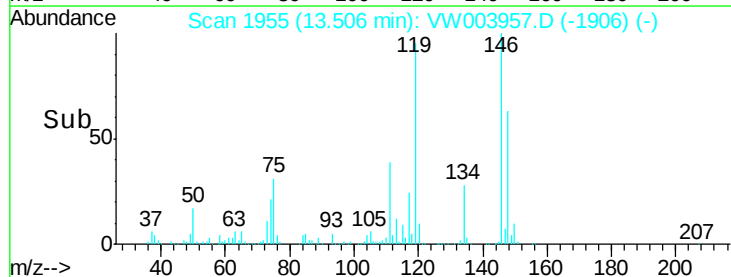
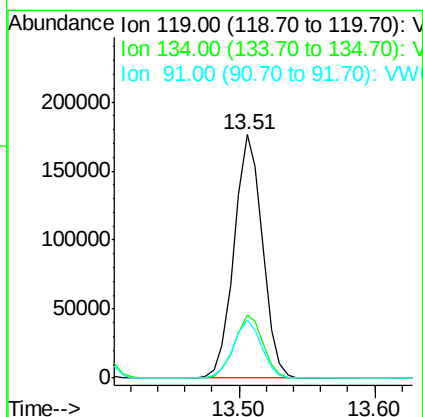
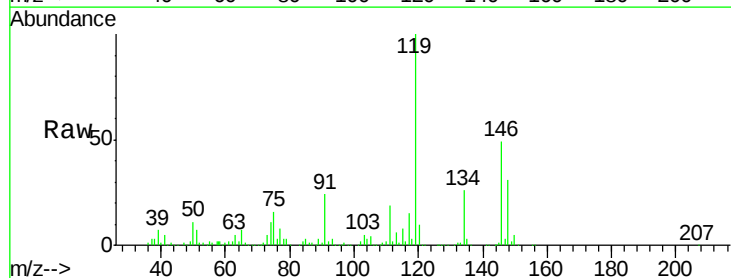
Instrument :
 MSVOA_W
 ClientSampleId :

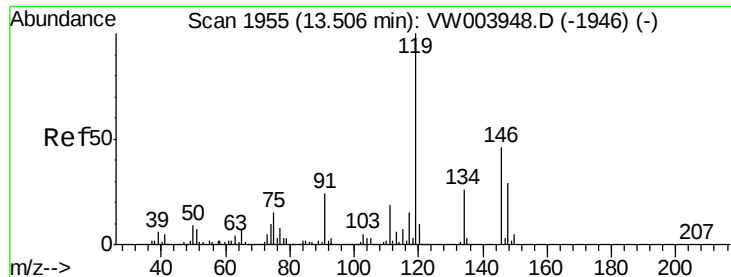
Tot Ion:105 Resp: 285997
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 19.876 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003957.D
 Acq: 16 Jul 2018 17:57

Tgt Ion:119 Resp: 254282
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 38.9
 91 23.6 11.8 35.3

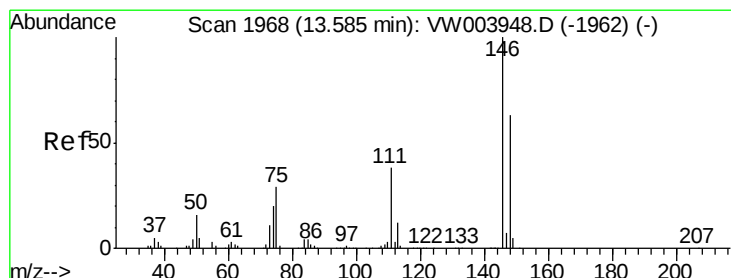
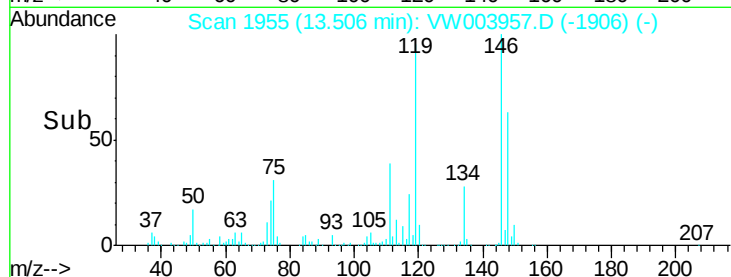
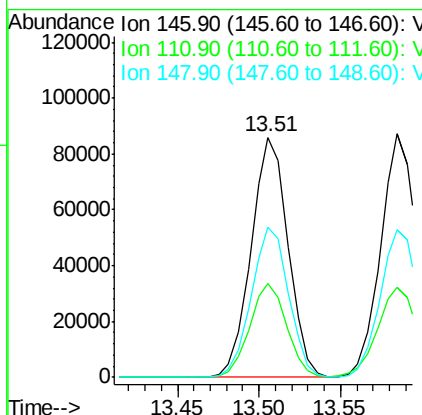
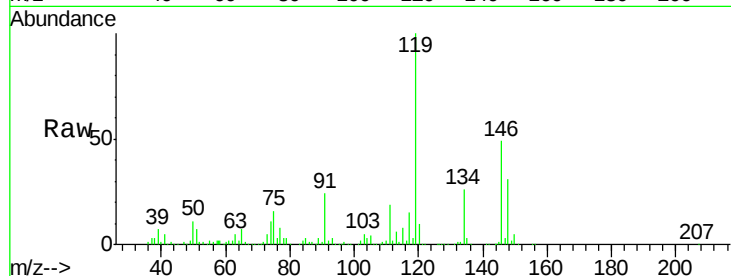




#87
 1,3-Dichlorobenzene
 Concen: 20.352 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003957.D
 Acq: 16 Jul 2018 17:57

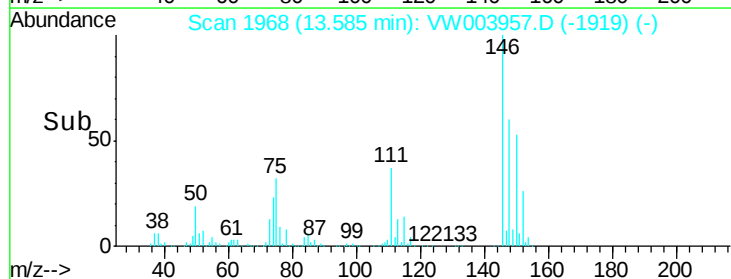
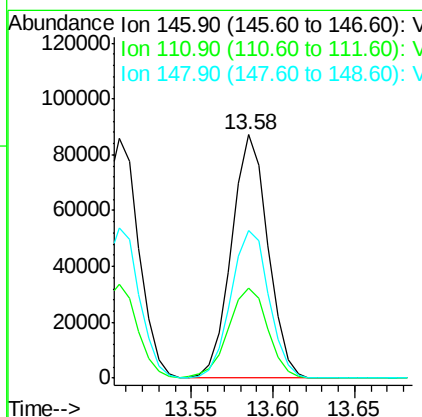
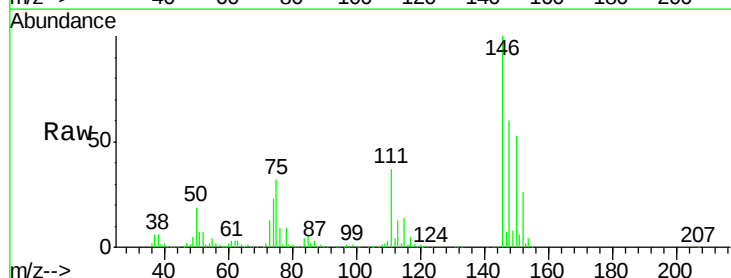
Instrument :
 MSVOA_W
 ClientSampled :

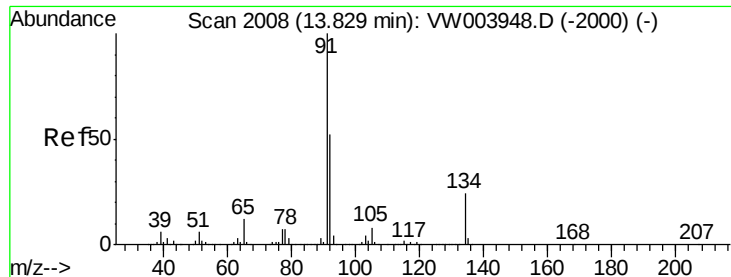
Tot Ion:146 Resp: 135324
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.9 59.6
 148 63.1 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 20.356 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003957.D
 Acq: 16 Jul 2018 17:57

Tgt Ion:146 Resp: 135737
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.6 58.7
 148 63.5 32.3 96.8





#89

n-Butylbenzene

Concen: 19.414 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :

MSVOA_W

ClientSampleId :

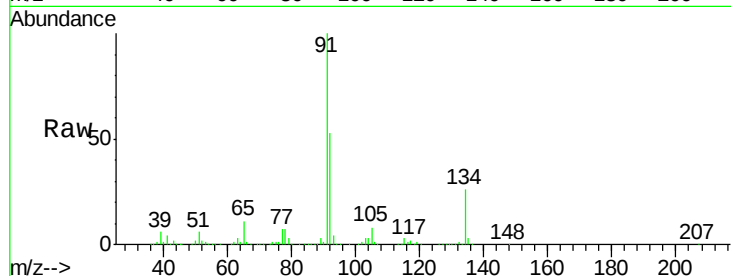
Tot Ion: 91 Resp: 244156

Ion Ratio Lower Upper

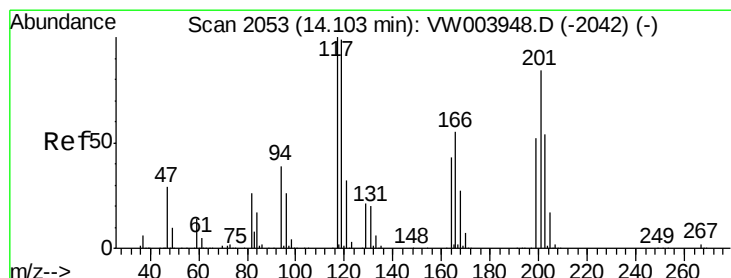
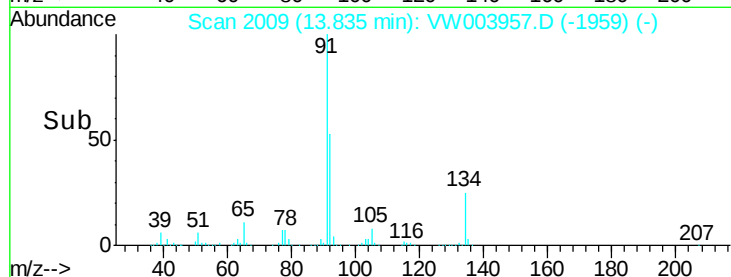
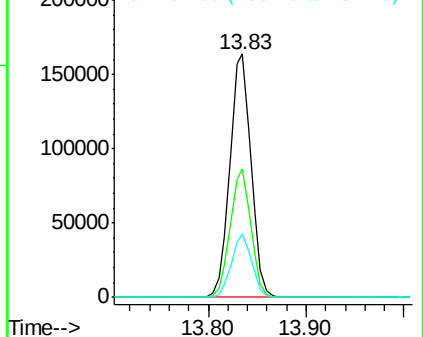
91 100

92 51.6 26.1 78.3

134 25.0 12.4 37.4



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



#90

Hexachloroethane

Concen: 19.529 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW003957.D

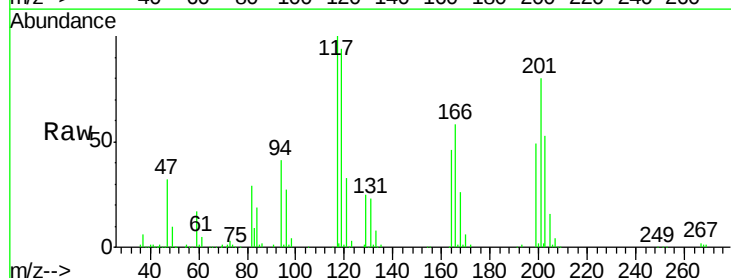
Acq: 16 Jul 2018 17:57

Tgt Ion: 117 Resp: 46055

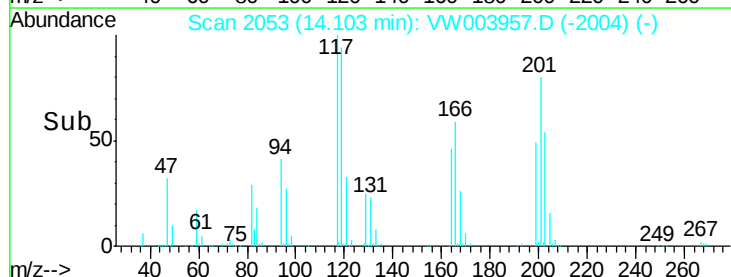
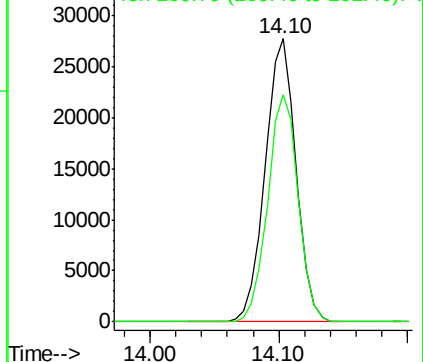
Ion Ratio Lower Upper

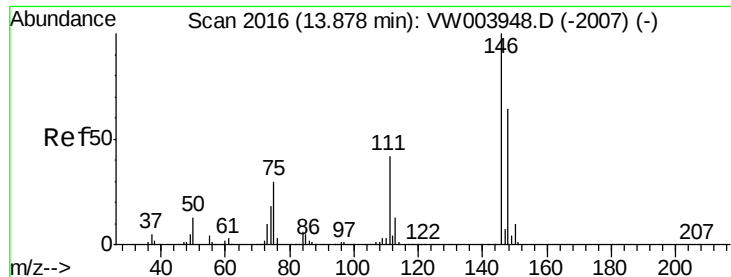
117 100

201 79.5 40.3 120.9



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

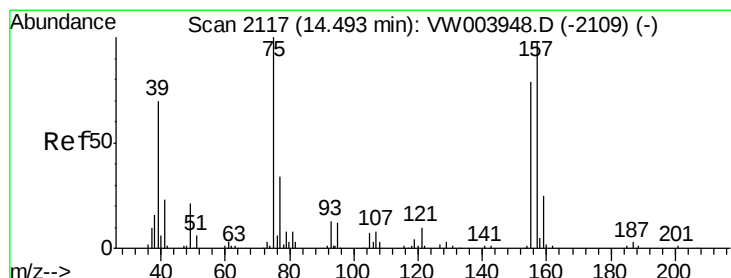
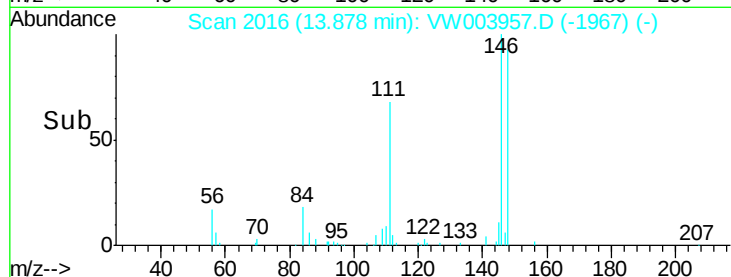
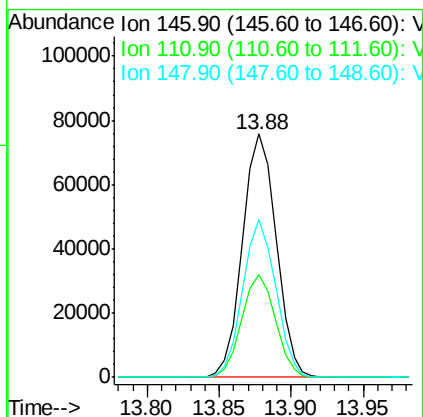
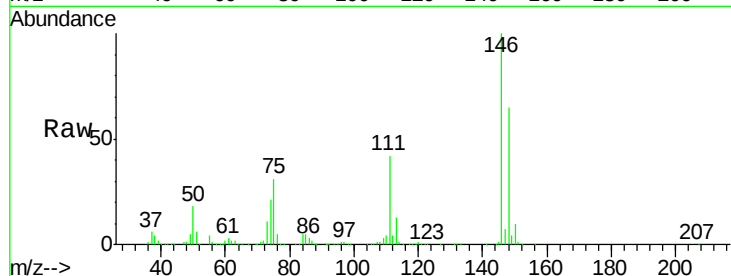




#91
 1,2-Dichlorobenzene
 Concen: 20.767 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003957.D
 Acq: 16 Jul 2018 17:57

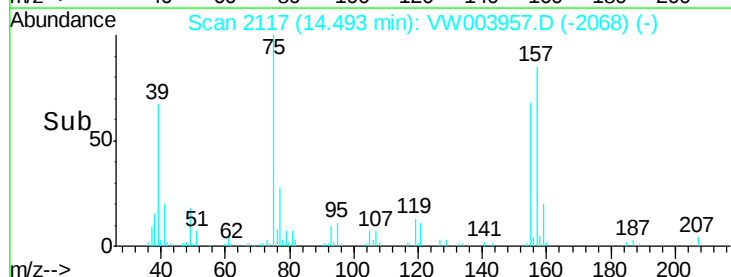
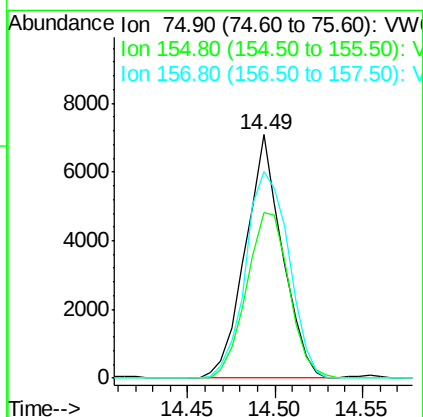
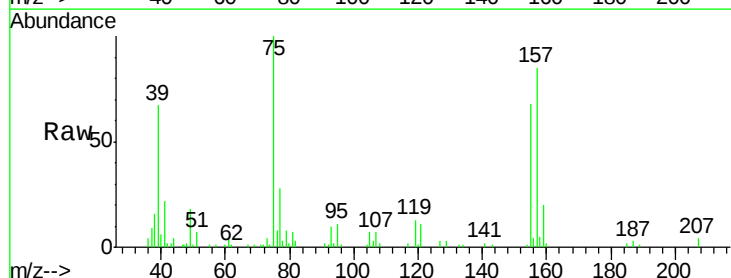
Instrument :
 MSVOA_W
 ClientSampleId :

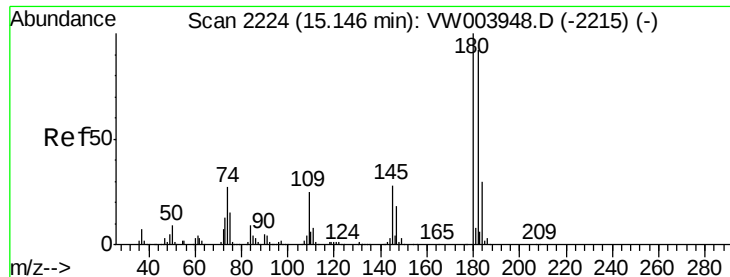
Tot Ion:146 Resp: 123024
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.7 62.1
 148 63.3 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.741 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003957.D
 Acq: 16 Jul 2018 17:57

Tgt Ion: 75 Resp: 10402
 Ion Ratio Lower Upper
 75 100
 155 78.1 39.4 118.1
 157 98.9 51.8 155.4

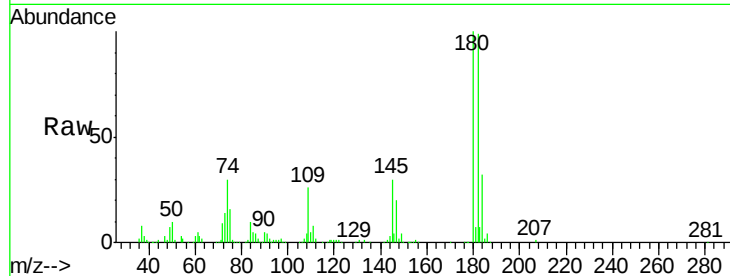




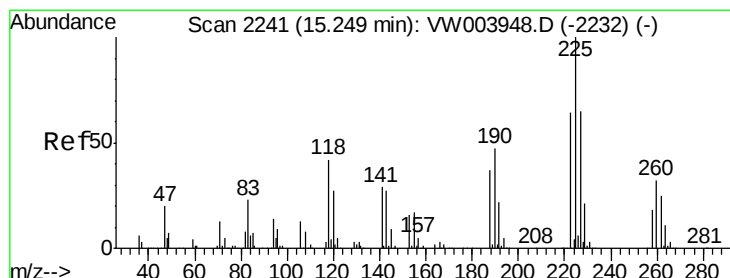
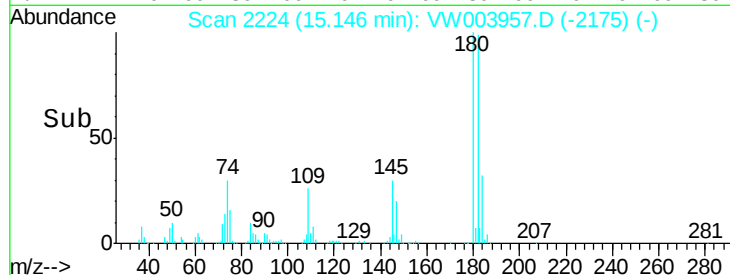
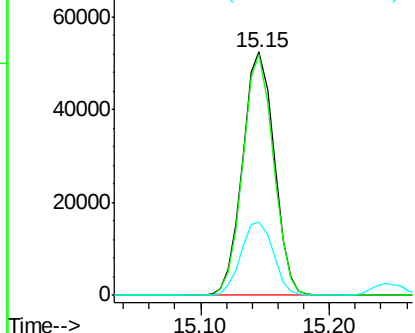
#93
 1,2,4-Trichlorobenzene
 Concen: 21.363 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003957.D
 Acq: 16 Jul 2018 17:57

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	46.9	140.8
145	31.0	15.0	45.0

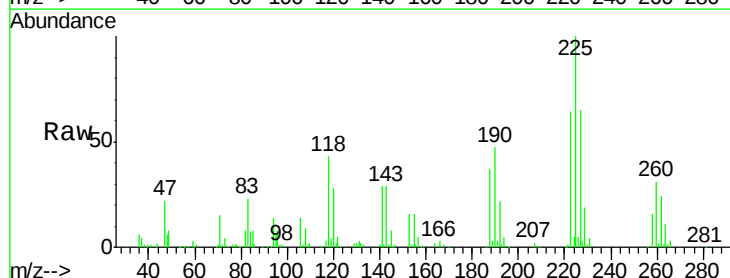


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

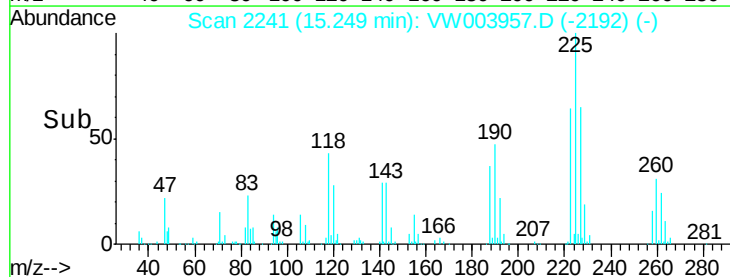
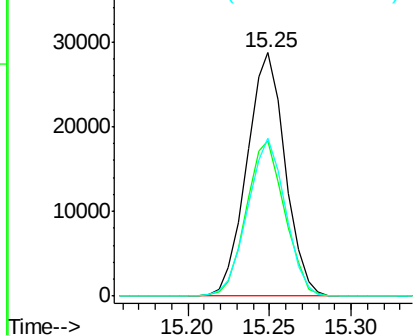


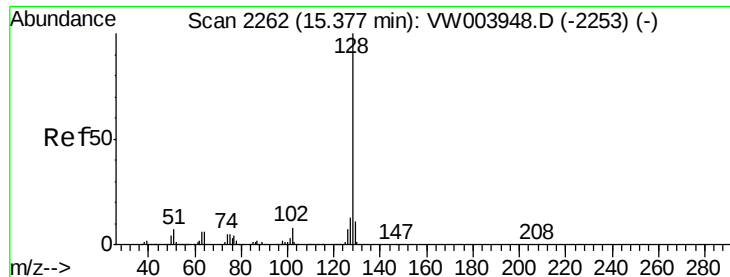
#94
 Hexachlorobutadiene
 Concen: 19.607 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003957.D
 Acq: 16 Jul 2018 17:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	32.0	96.2
227	64.4	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: 22.555 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

Instrument :

MSVOA_W

ClientSampleId :

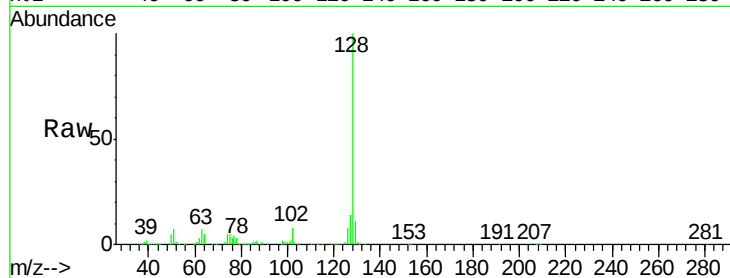
Tot Ion:128 Resp: 173207

Ion Ratio Lower Upper

128 100

127 13.4 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

120000

100000

80000

60000

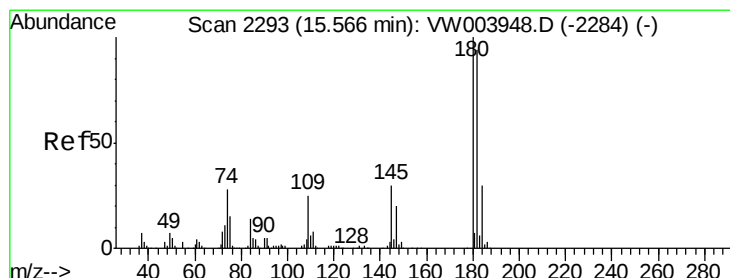
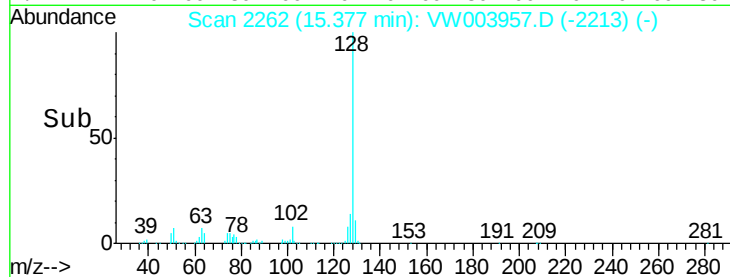
40000

20000

0

15.30 15.40

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 21.534 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW003957.D

Acq: 16 Jul 2018 17:57

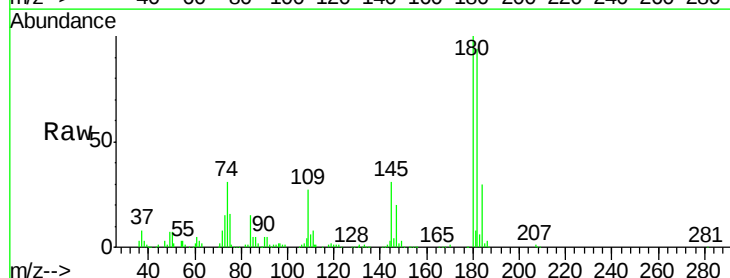
Tgt Ion:180 Resp: 79323

Ion Ratio Lower Upper

180 100

182 95.3 47.5 142.6

145 31.4 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

60000

50000

40000

30000

20000

10000

0

15.50 15.55 15.60 15.65

Time-->

