

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111318\
 Data File : VW006850.D
 Acq On : 13 Nov 2018 13:30
 Operator : SY/AP
 Sample : VW1113SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 13 15:24:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 14:58:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	352683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	463936	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	445116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	257411	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	121611	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
35) Dibromofluoromethane	7.89	113	128384	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
50) Toluene-d8	10.33	98	518406	45.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.54%	
62) 4-Bromofluorobenzene	12.62	95	198115	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	65309	22.431	ug/l	98
3) Chloromethane	2.21	50	69768	21.255	ug/l	99
4) Vinyl Chloride	2.36	62	73798	20.944	ug/l	100
5) Bromomethane	2.78	94	52287	22.057	ug/l	96
6) Chloroethane	2.92	64	45229	19.892	ug/l	99
7) Trichlorofluoromethane	3.26	101	100384	21.583	ug/l	97
8) Diethyl Ether	3.69	74	29849	21.871	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	67074	21.268	ug/l	98
10) Methyl Iodide	4.28	142	81389	18.413	ug/l	100
11) Tert butyl alcohol	5.24	59	18156	107.280	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	56149	21.077	ug/l	95
13) Acrolein	3.91	56	20407	115.292	ug/l	100
14) Allyl chloride	4.68	41	73492	20.975	ug/l	99
15) Acrylonitrile	5.38	53	54275	105.007	ug/l	98
16) Acetone	4.16	43	38047	102.755	ug/l	93
17) Carbon Disulfide	4.39	76	165671	19.665	ug/l	99
18) Methyl Acetate	4.68	43	25744	20.326	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	142842	22.585	ug/l	100
20) Methylene Chloride	4.92	84	72539	18.215	ug/l	99
21) trans-1,2-Dichloroethene	5.43	96	65671	20.903	ug/l	99
22) Diisopropyl ether	6.32	45	152572	20.967	ug/l	97
23) Vinyl Acetate	6.26	43	454759	110.857	ug/l	98
24) 1,1-Dichloroethane	6.23	63	99123	20.539	ug/l	99
25) 2-Butanone	7.19	43	67220	107.349	ug/l	100
26) 2,2-Dichloropropane	7.17	77	102663	21.142	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	71094	21.225	ug/l	99
28) Bromochloromethane	7.52	49	34079	20.188	ug/l	97
29) Tetrahydrofuran	7.54	42	42170	105.232	ug/l	98
30) Chloroform	7.68	83	109521	20.784	ug/l	97
31) Cyclohexane	7.96	56	107466	21.754	ug/l	98
32) 1,1,1-Trichloroethane	7.88	97	111628	21.947	ug/l	100
36) 1,1-Dichloropropene	8.09	75	96029	22.119	ug/l	99
37) Ethyl Acetate	7.26	43	32152	22.648	ug/l	98
38) Carbon Tetrachloride	8.07	117	103757	21.989	ug/l	99

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 ClientSampleId :

Quant Time: Nov 13 15:24:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 14:58:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	117299	20.825	ug/l	94
40) Benzene	8.33	78	252287	20.898	ug/l	100
41) Methacrylonitrile	7.49	41	18299	20.993	ug/l	95
42) 1,2-Dichloroethane	8.41	62	69509	21.490	ug/l	98
43) Isopropyl Acetate	8.43	43	60671	21.974	ug/l	98
44) Trichloroethene	9.10	130	83503	21.921	ug/l	98
45) 1,2-Dichloropropane	9.37	63	61335	21.799	ug/l	99
46) Dibromomethane	9.46	93	32842	20.969	ug/l	99
47) Bromodichloromethane	9.65	83	84452	21.739	ug/l	99
48) Methyl methacrylate	9.44	41	27716	20.475	ug/l	98
49) 1,4-Dioxane	9.48	88	9608	406.041	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	146650	105.927	ug/l	99
52) Toluene	10.39	92	177081	20.690	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	81178	21.226	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	97809	21.568	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	50987	21.938	ug/l	96
56) Ethyl methacrylate	10.65	69	54276	21.309	ug/l	99
57) 1,3-Dichloropropane	10.94	76	78223	21.253	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	134361	105.326	ug/l	99
59) 2-Hexanone	10.98	43	103338	108.214	ug/l	98
60) Dibromochloromethane	11.13	129	60198	21.168	ug/l	99
61) 1,2-Dibromoethane	11.24	107	47522	21.530	ug/l	98
64) Tetrachloroethene	10.87	164	73328	20.557	ug/l	100
65) Chlorobenzene	11.66	112	205805	20.841	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	66762	20.835	ug/l	100
67) Ethyl Benzene	11.74	91	356966	21.204	ug/l	100
68) m/p-Xylenes	11.85	106	294429	42.746	ug/l	99
69) o-Xylene	12.17	106	137267	21.413	ug/l	98
70) Styrene	12.19	104	217346	21.183	ug/l	100
71) Bromoform	12.35	173	36120	20.655	ug/l #	99
73) Isopropylbenzene	12.47	105	373731	20.916	ug/l	99
74) N-amyl acetate	12.28	43	57706	21.359	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	51337	20.770	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	66918	36.073	ug/l #	100
77) Bromobenzene	12.75	156	93830	20.829	ug/l	98
78) n-propylbenzene	12.81	91	440966	20.910	ug/l	100
79) 2-Chlorotoluene	12.90	91	246072	20.798	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	325631	21.200	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	14987	19.984	ug/l	99
82) 4-Chlorotoluene	12.99	91	262428	20.789	ug/l	99
83) tert-Butylbenzene	13.21	119	284978	20.989	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	327386	20.944	ug/l	99
85) sec-Butylbenzene	13.39	105	403694	20.982	ug/l	99
86) p-Isopropyltoluene	13.51	119	368018	21.029	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	190761	20.777	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	190337	20.954	ug/l	99
89) n-Butylbenzene	13.83	91	333307	20.840	ug/l	99
90) Hexachloroethane	14.10	117	55071	19.666	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	168942	21.130	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8248	20.843	ug/l	98

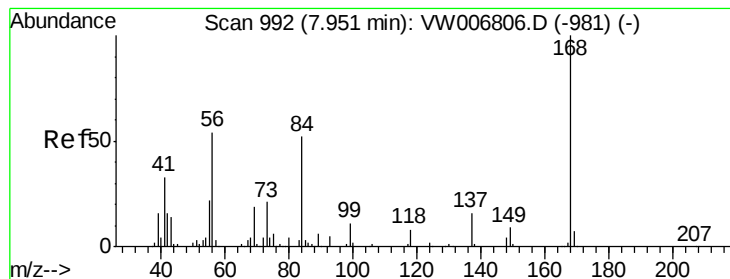
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111318\
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Quant Time: Nov 13 15:24:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 12 14:58:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	127667	21.149	ug/l	99
94) Hexachlorobutadiene	15.24	225	80107	20.942	ug/l	100
95) Naphthalene	15.38	128	194283	21.519	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	107004	20.656	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

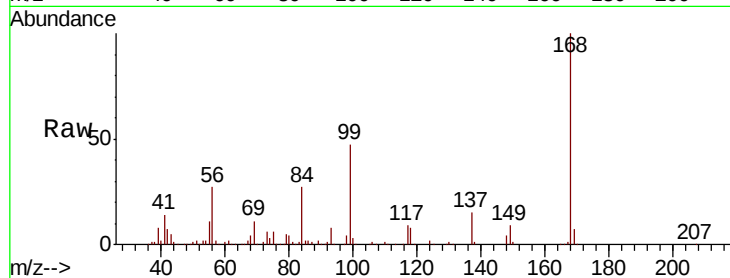
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 352683

Ion Ratio Lower Upper

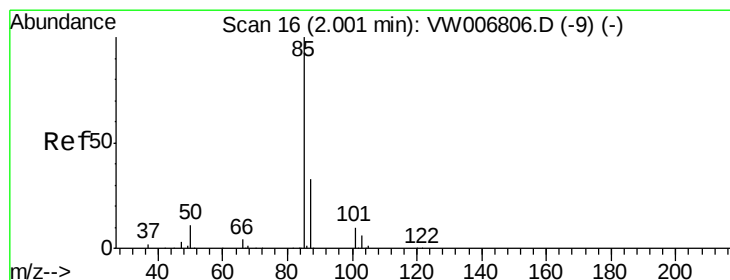
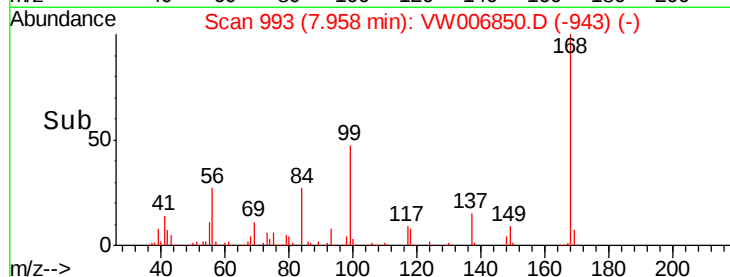
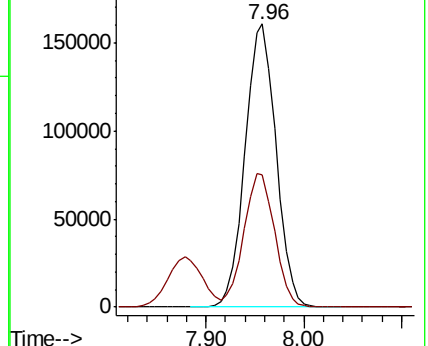
168 100

99 46.7 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 22.431 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW006850.D

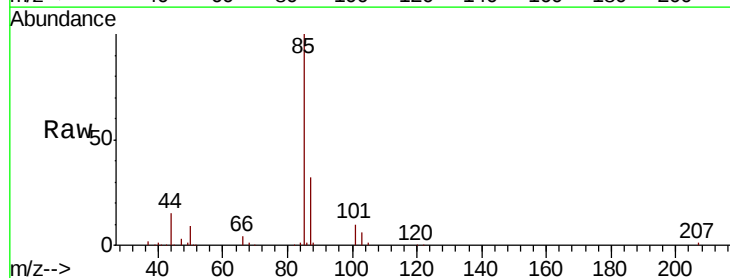
Acq: 13 Nov 2018 13:30

Tgt Ion: 85 Resp: 65309

Ion Ratio Lower Upper

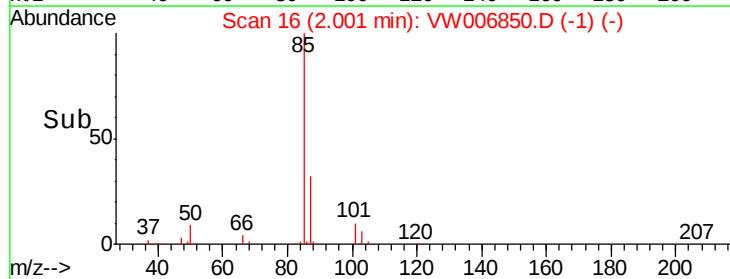
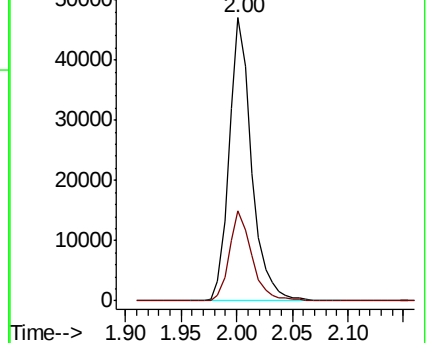
85 100

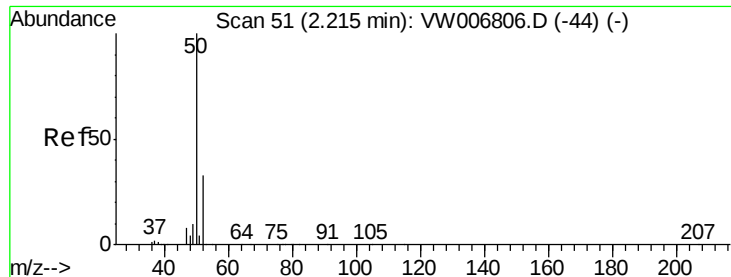
87 32.0 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

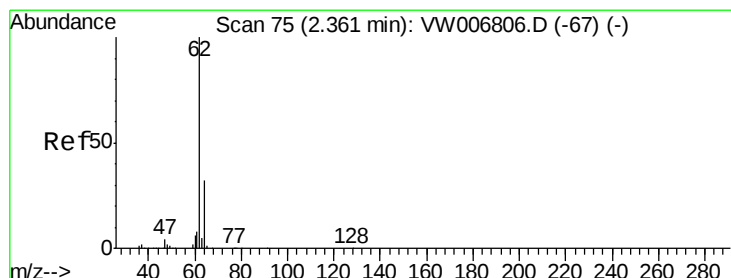
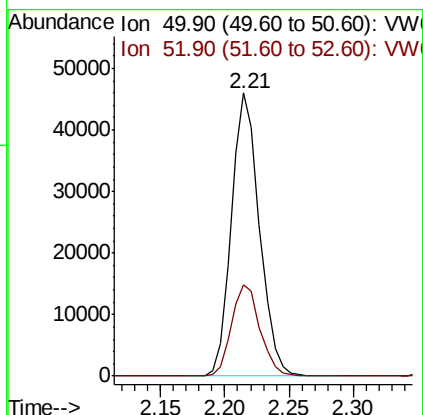
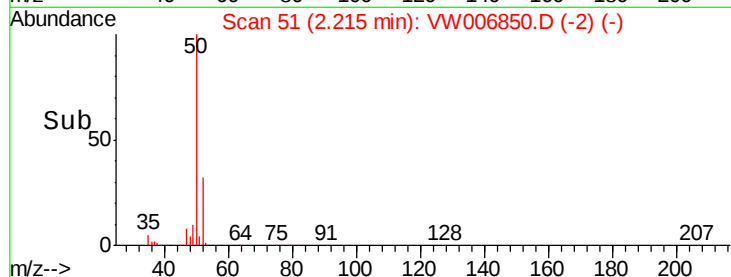
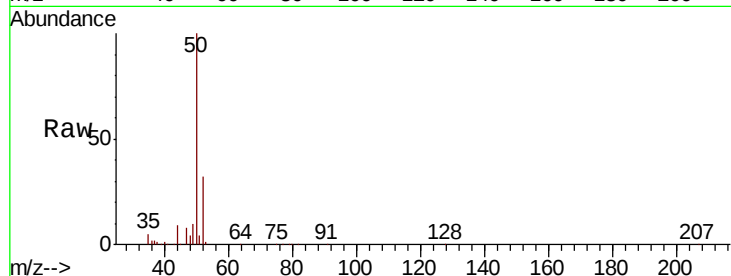




#3
Chloromethane
Concen: 21.255 ug/l
RT: 2.21 min Scan# 51
Delta R.T. 0.00 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

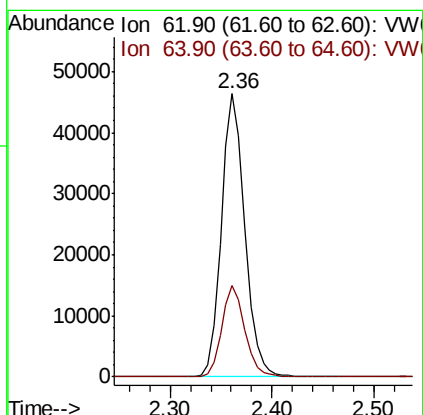
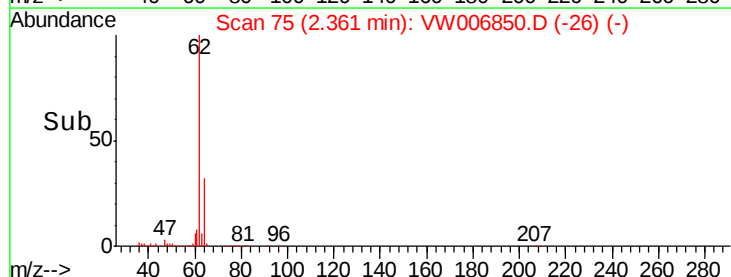
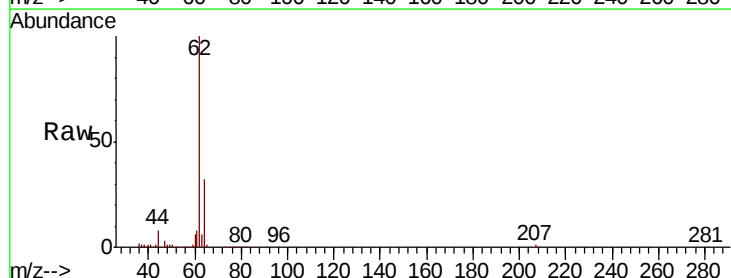
Instrument :
MSVOA_W
ClientSampleId :

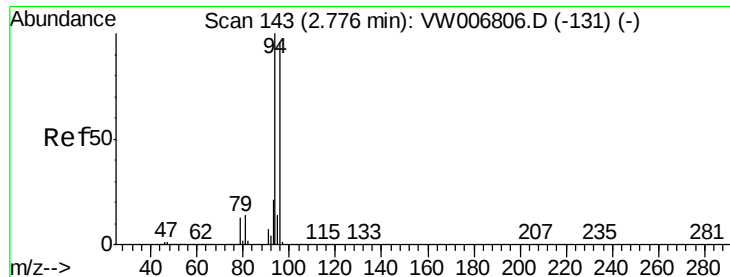
Tot Ion: 50 Resp: 69768
Ion Ratio Lower Upper
50 100
52 32.1 26.2 39.4



#4
Vinyl Chloride
Concen: 20.944 ug/l
RT: 2.36 min Scan# 75
Delta R.T. 0.00 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

Tgt Ion: 62 Resp: 73798
Ion Ratio Lower Upper
62 100
64 32.2 25.6 38.4





#5

Bromomethane

Concen: 22.057 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :

MSVOA_W

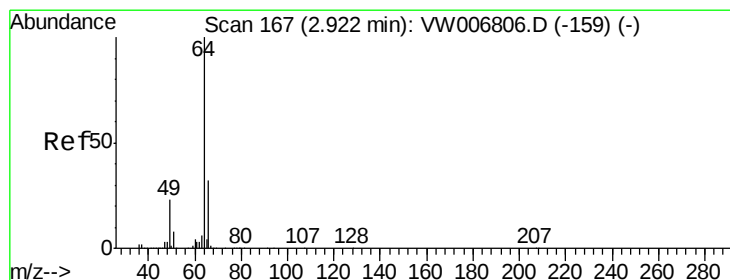
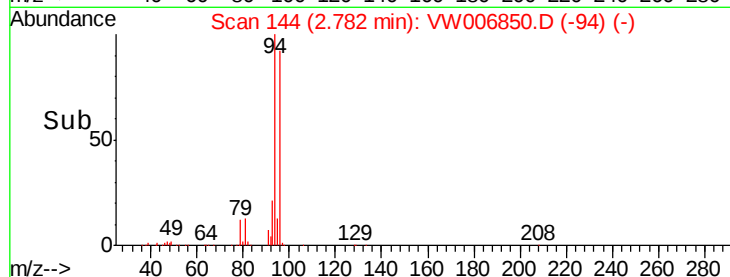
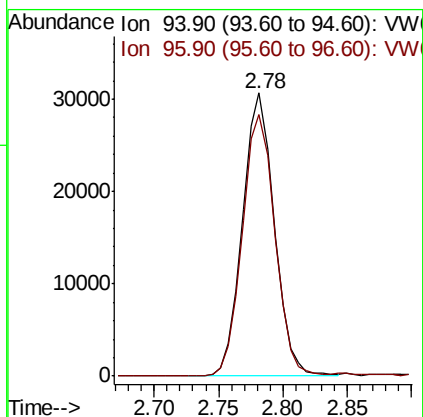
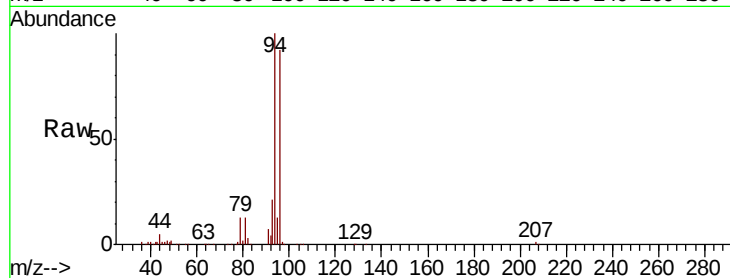
ClientSampleId :

Tot Ion: 94 Resp: 52287

Ion Ratio Lower Upper

94 100

96 92.1 76.8 115.2



#6

Chloroethane

Concen: 19.892 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW006850.D

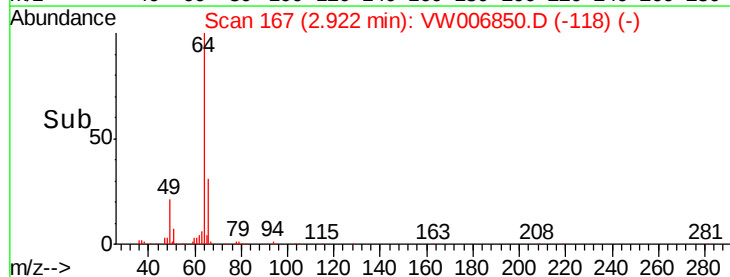
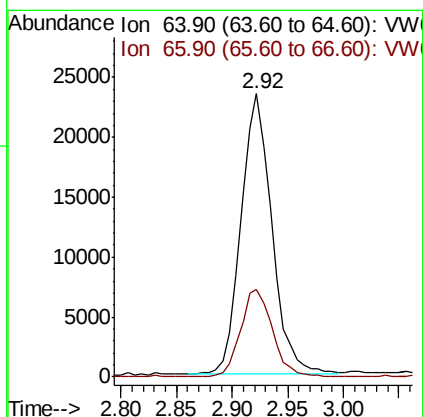
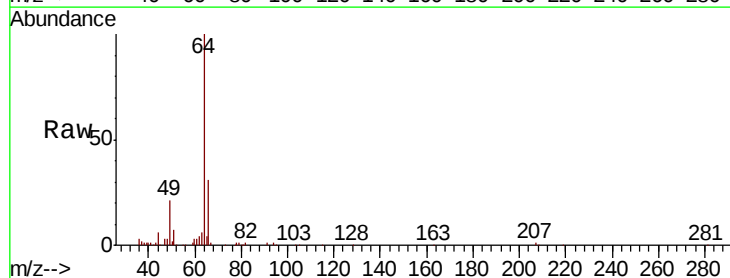
Acq: 13 Nov 2018 13:30

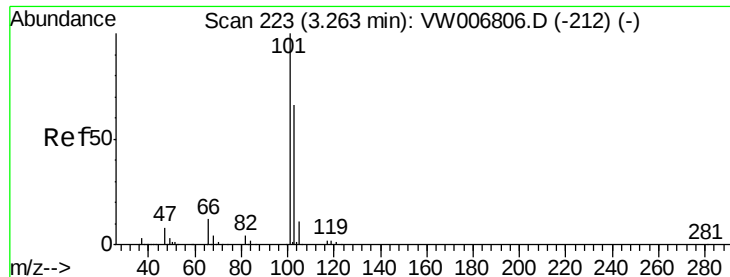
Tgt Ion: 64 Resp: 45229

Ion Ratio Lower Upper

64 100

66 31.1 25.5 38.3



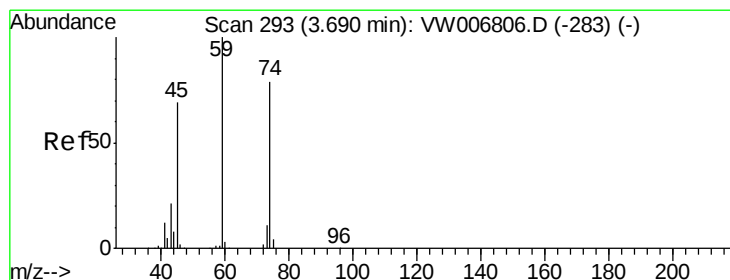
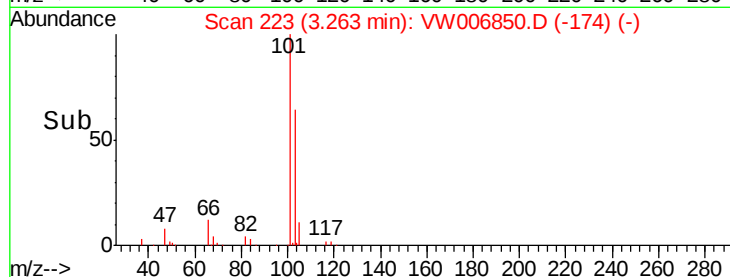
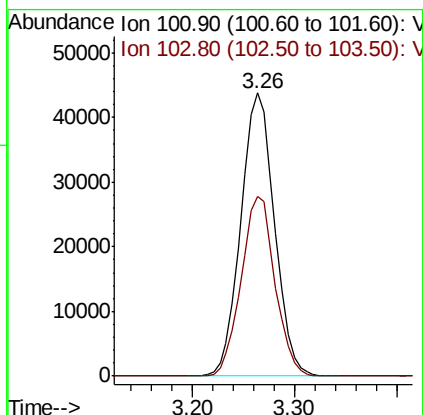
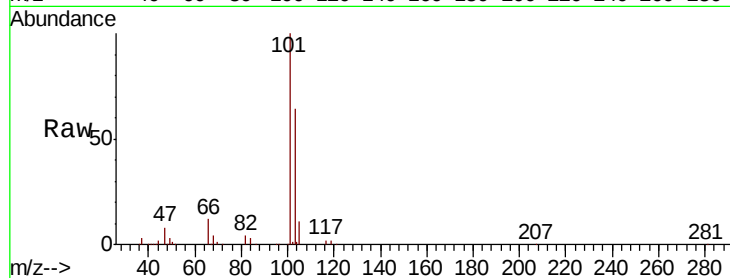


#7

Trichlorofluoromethane
Concen: 21.583 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

Instrument :
MSVOA_W
ClientSampleId :

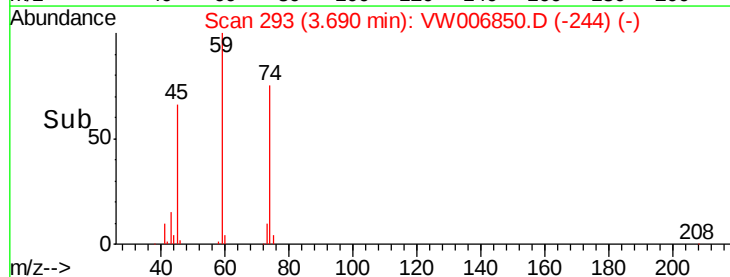
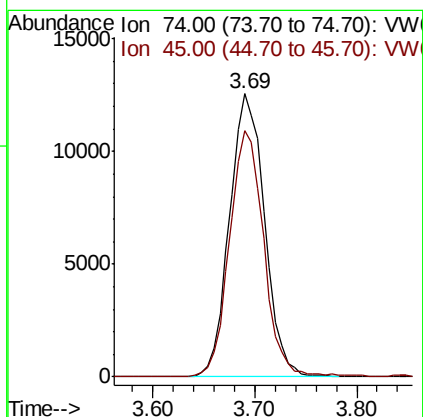
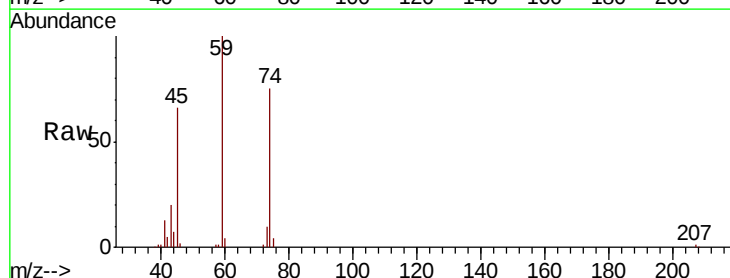
Tot Ion:101 Resp: 100384
Ion Ratio Lower Upper
101 100
103 63.5 52.6 79.0

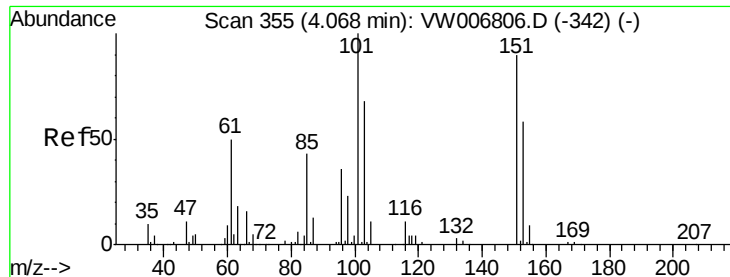


#8

Diethyl Ether
Concen: 21.871 ug/l
RT: 3.69 min Scan# 293
Delta R.T. 0.00 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

Tgt Ion: 74 Resp: 29849
Ion Ratio Lower Upper
74 100
45 85.2 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.268 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :

MSVOA_W

ClientSampled :

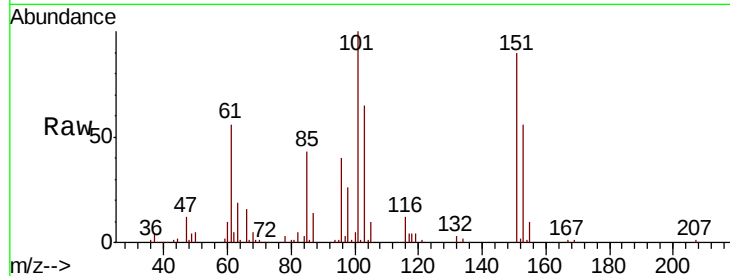
Tot Ion:101 Resp: 67074

Ion Ratio Lower Upper

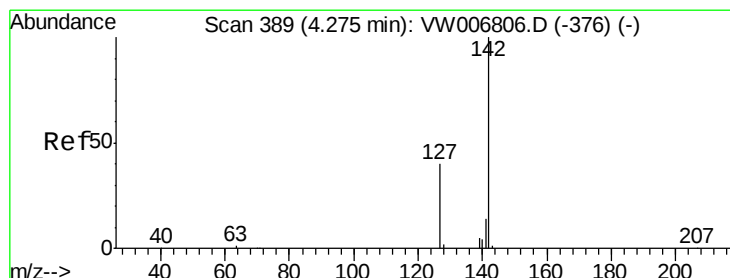
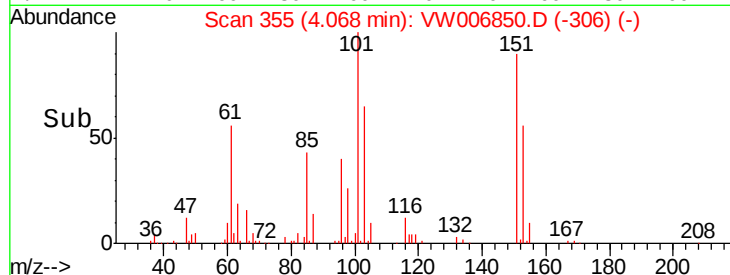
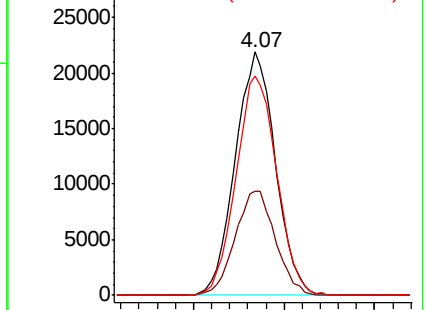
101 100

85 42.9 33.8 50.8

151 91.2 71.4 107.0



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: 18.413 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

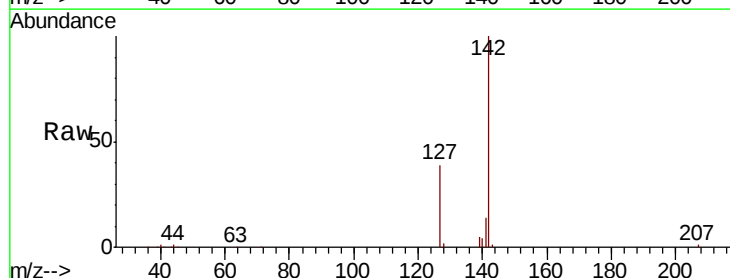
Tgt Ion:142 Resp: 81389

Ion Ratio Lower Upper

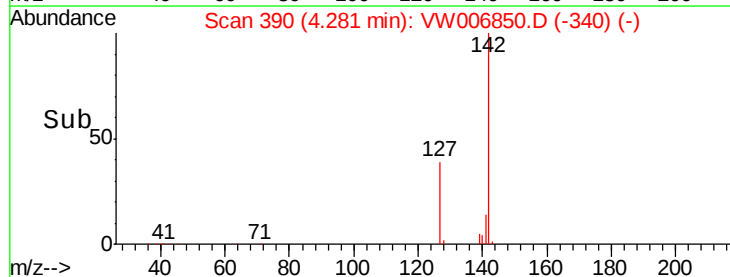
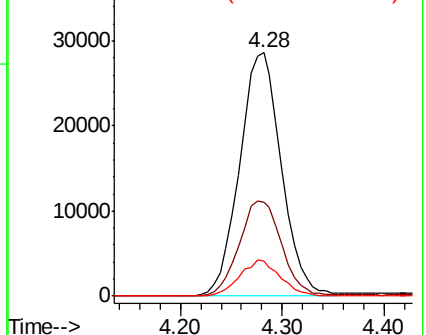
142 100

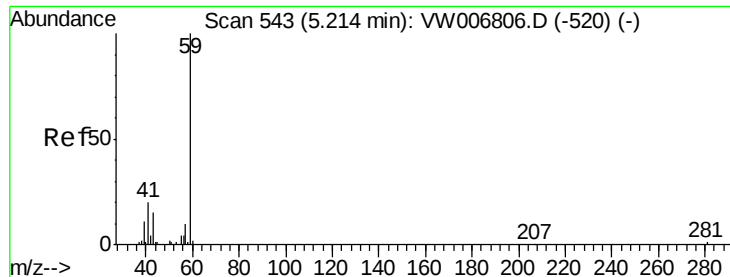
127 39.7 31.8 47.8

141 14.3 11.5 17.3



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



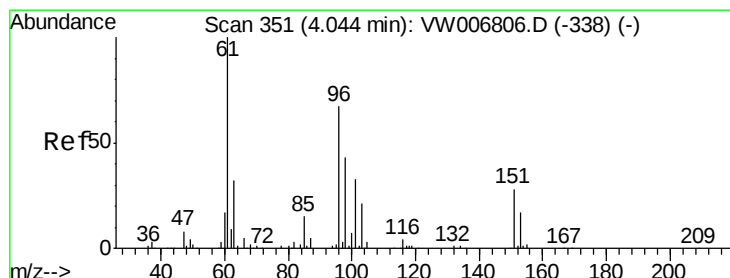
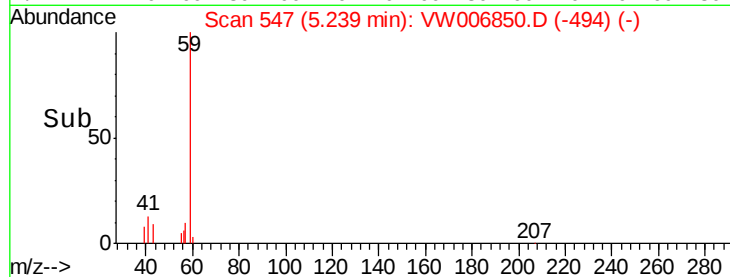
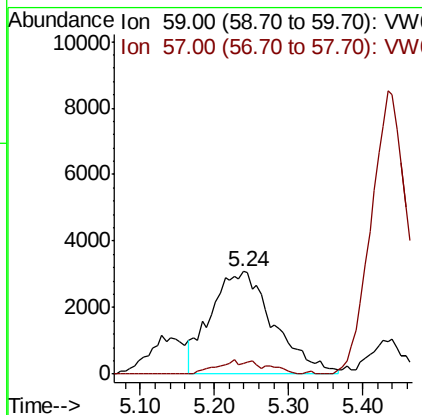
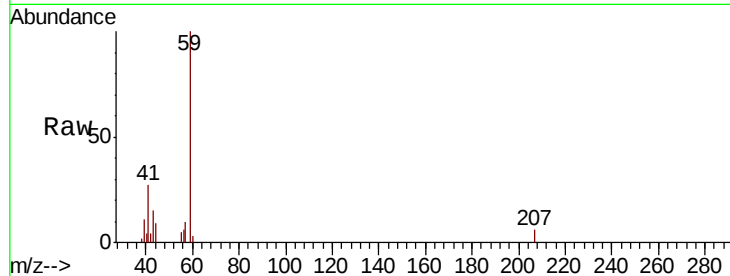


#11

Tert butyl alcohol
 Concen: 107.280 ug/l
 RT: 5.24 min Scan# 547
 Delta R.T. 0.02 min
 Lab File: VW006850.D
 Acq: 13 Nov 2018 13:30

Instrument :
 MSVOA_W
 ClientSampled :

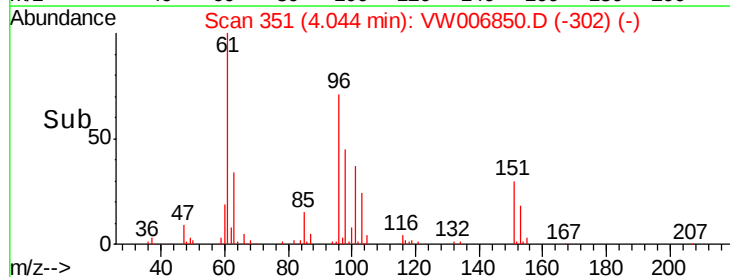
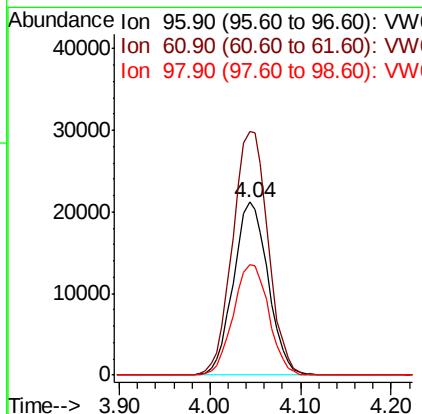
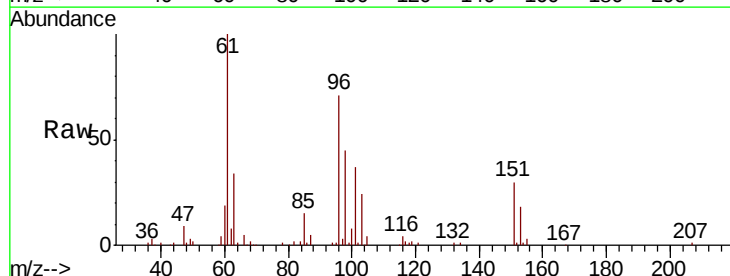
Tot Ion: 59 Resp: 18156
 Ion Ratio Lower Upper
 59 100
 57 5.3 8.3 12.5#

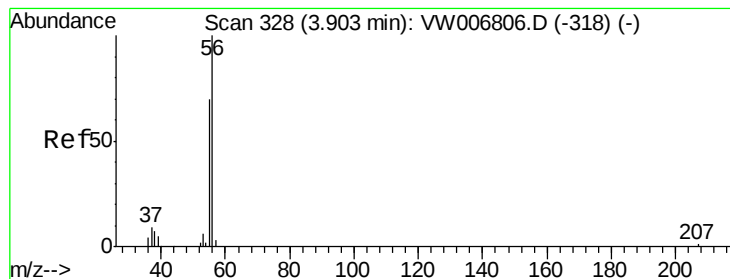


#12

1,1-Dichloroethene
 Concen: 21.077 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VW006850.D
 Acq: 13 Nov 2018 13:30

Tgt Ion: 96 Resp: 56149
 Ion Ratio Lower Upper
 96 100
 61 140.8 119.8 179.6
 98 63.8 51.5 77.3





#13

Acrolein

Concen: 115.292 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :

MSVOA_W

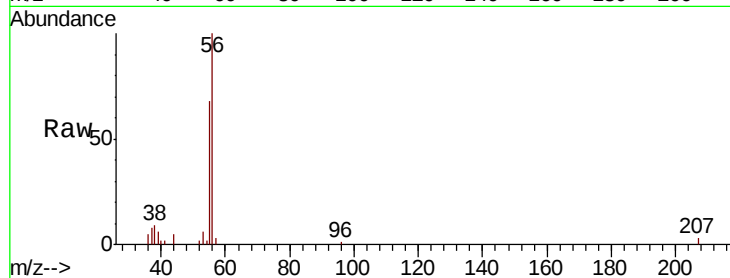
ClientSampleId :

Tot Ion: 56 Resp: 20407

Ion Ratio Lower Upper

56 100

55 70.4 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.91

8000

6000

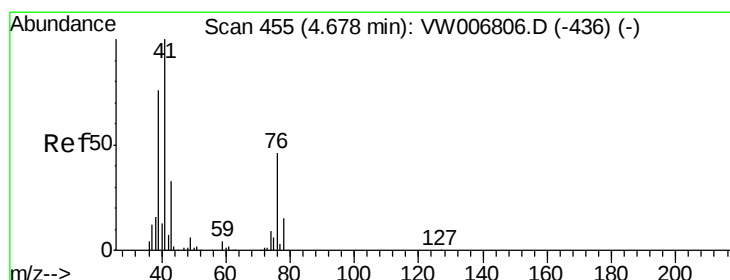
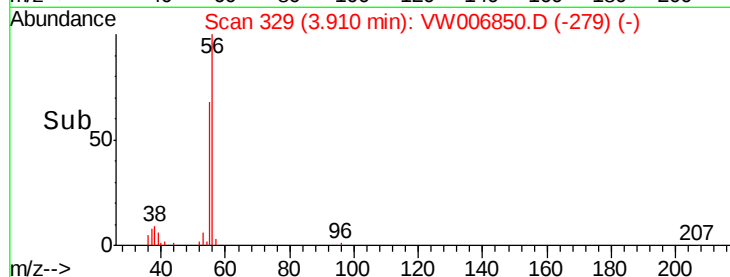
4000

2000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 20.975 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

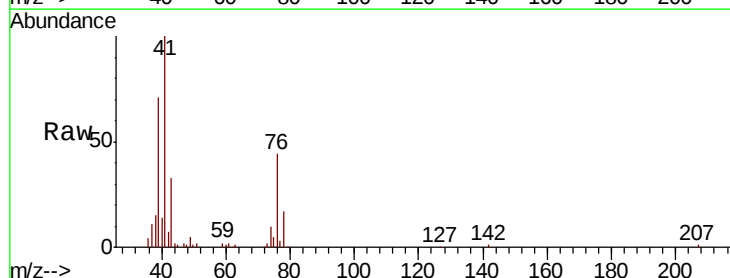
Tgt Ion: 41 Resp: 73492

Ion Ratio Lower Upper

41 100

39 73.0 58.9 88.3

76 43.2 34.4 51.6



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

4.68

30000

25000

20000

15000

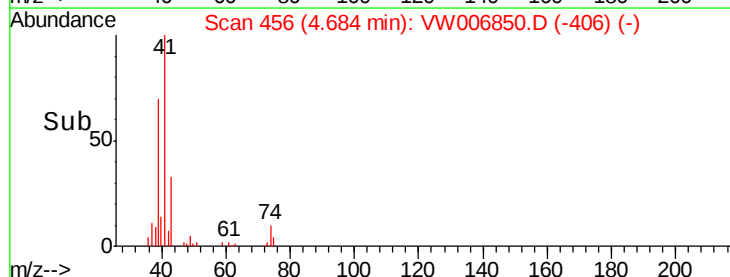
10000

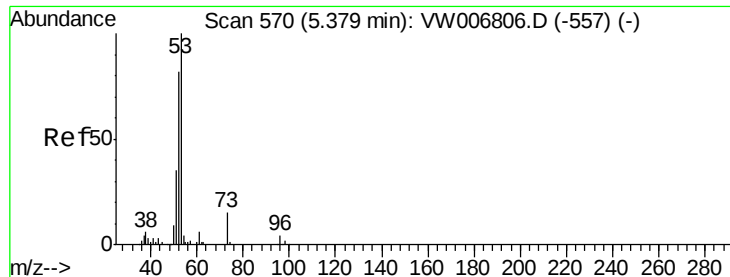
5000

0

Time-->

4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 105.007 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :

MSVOA_W

ClientSampleId :

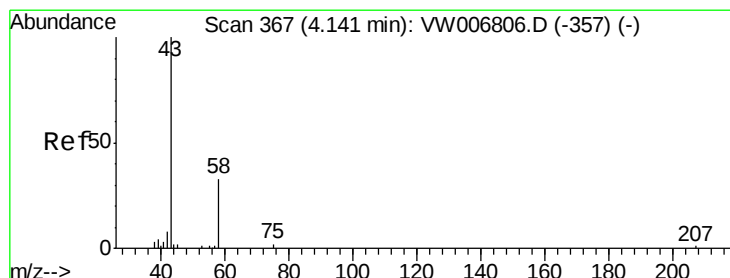
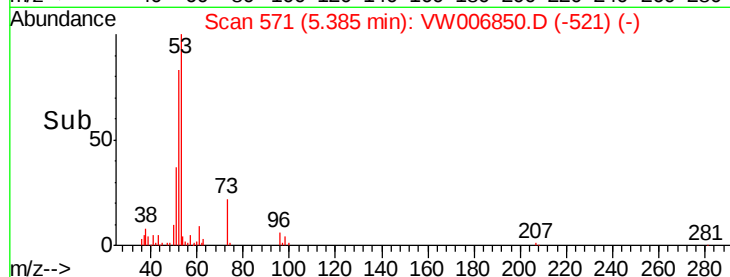
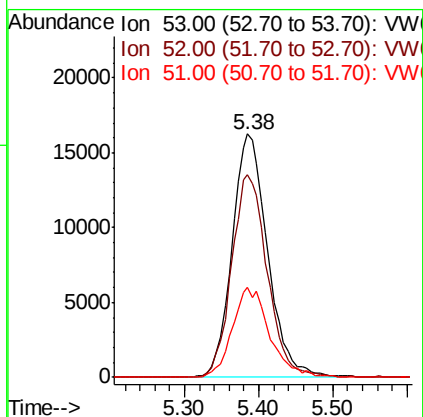
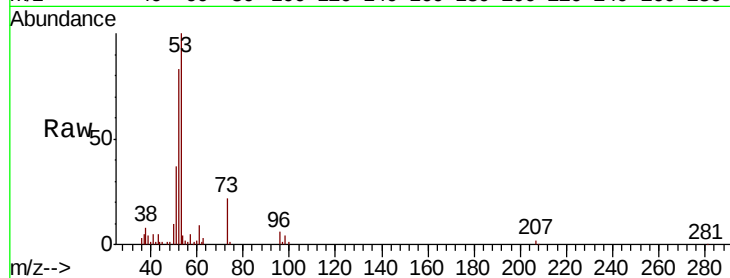
Tot Ion: 53 Resp: 54275

Ion Ratio Lower Upper

53 100

52 83.8 65.2 97.8

51 38.8 30.0 45.0



#16

Acetone

Concen: 102.755 ug/l

RT: 4.16 min Scan# 370

Delta R.T. 0.02 min

Lab File: VW006850.D

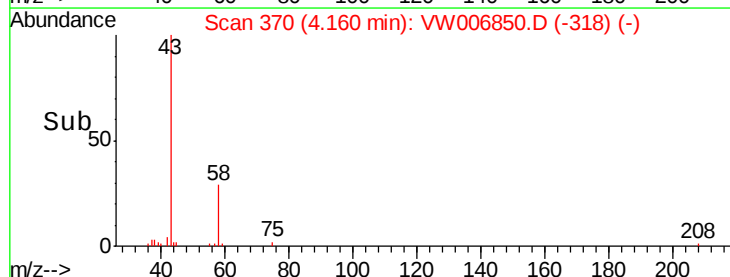
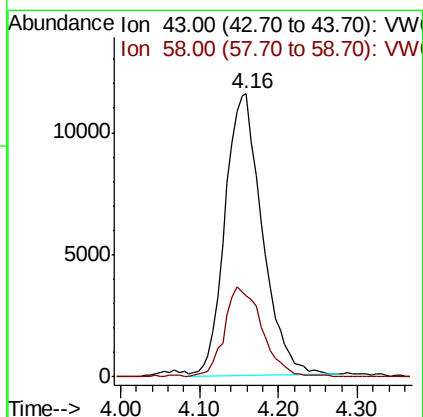
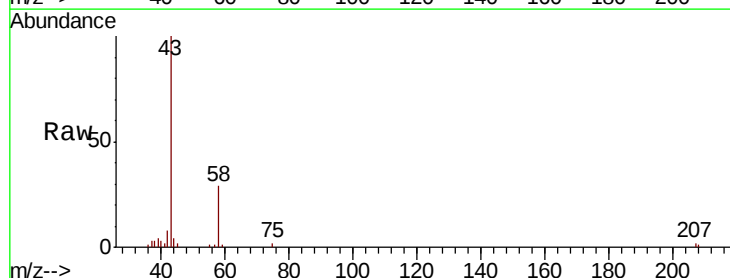
Acq: 13 Nov 2018 13:30

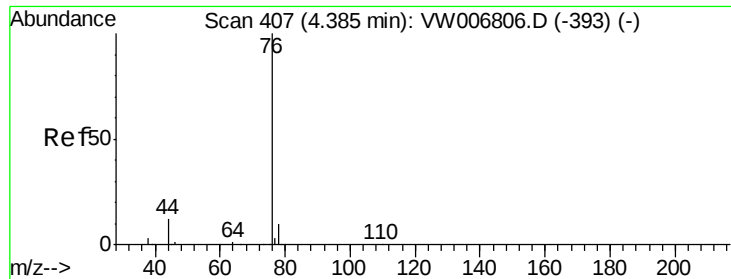
Tgt Ion: 43 Resp: 38047

Ion Ratio Lower Upper

43 100

58 29.1 26.5 39.7

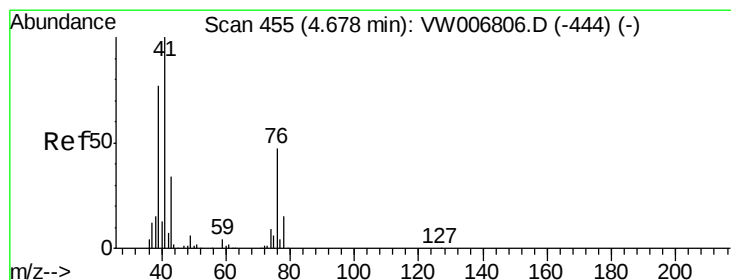
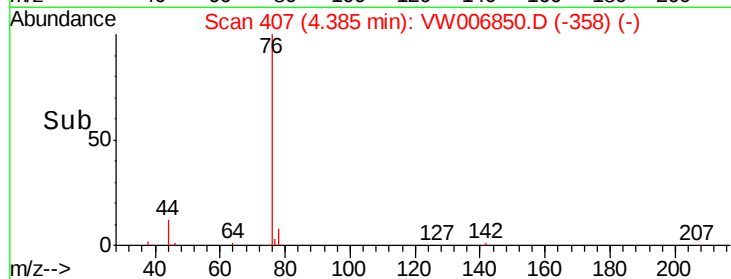
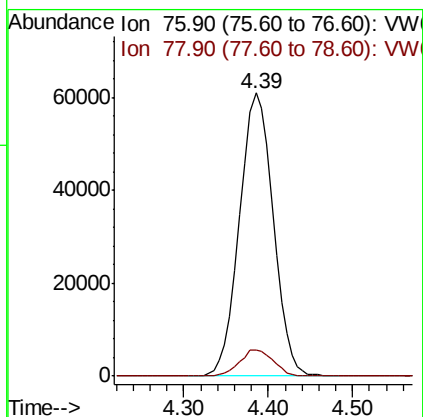
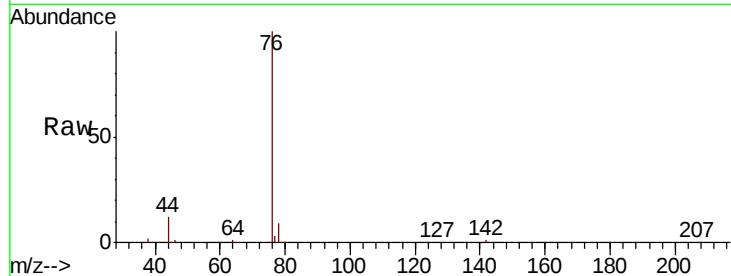




#17
Carbon Disulfide
Concen: 19.665 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

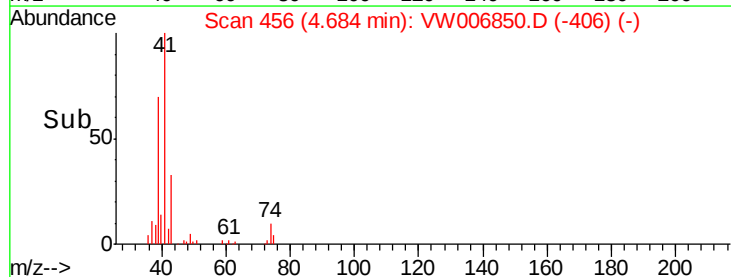
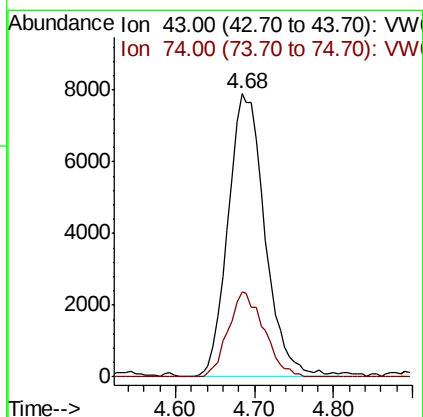
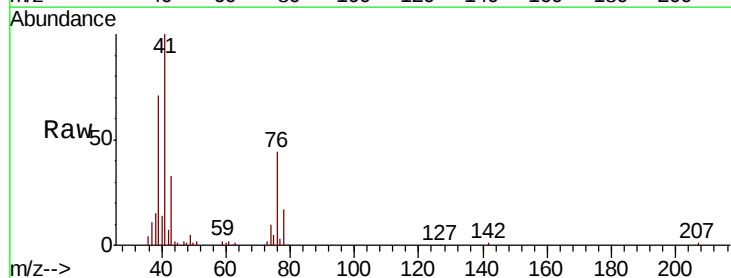
Instrument :
MSVOA_W
ClientSampleId :

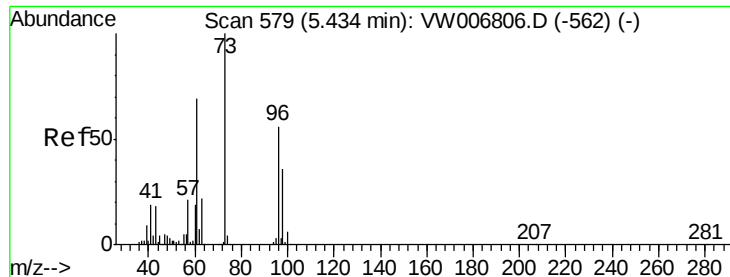
Tot Ion: 76 Resp: 165671
Ion Ratio Lower Upper
76 100
78 9.1 7.6 11.4



#18
Methyl Acetate
Concen: 20.326 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

Tgt Ion: 43 Resp: 25744
Ion Ratio Lower Upper
43 100
74 29.1 21.9 32.9



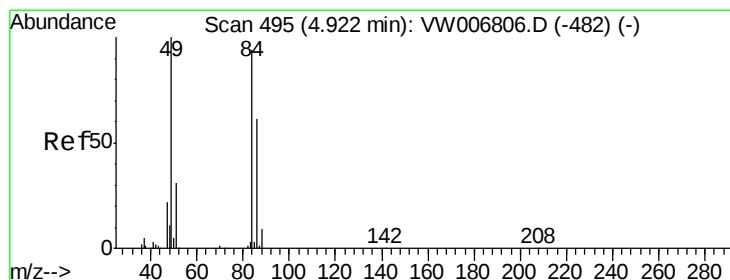
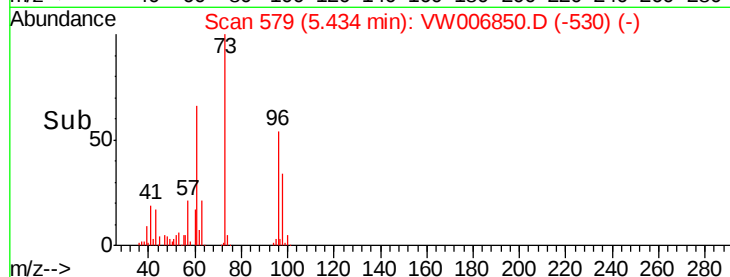
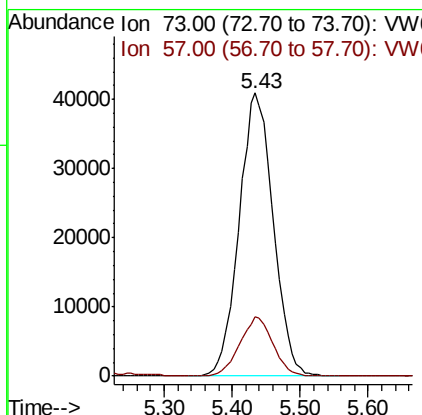
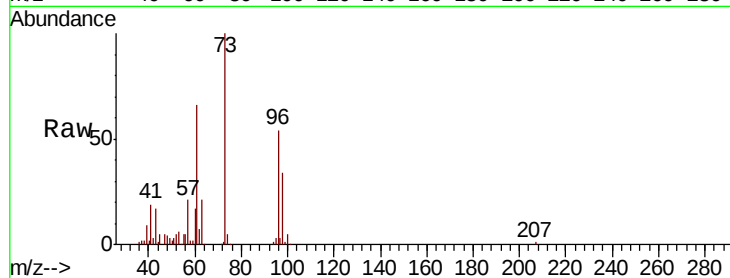


#19

Methyl tert-butyl Ether
 Concen: 22.585 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VW006850.D
 Acq: 13 Nov 2018 13:30

Instrument :
 MSVOA_W
 ClientSampled :

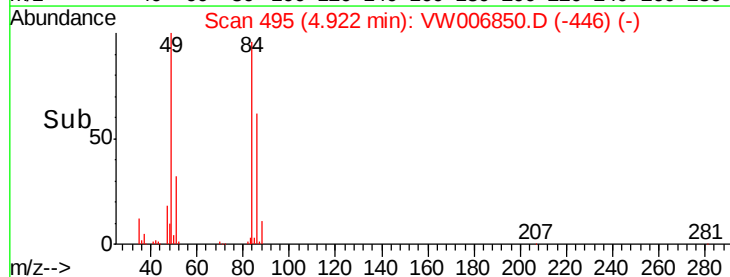
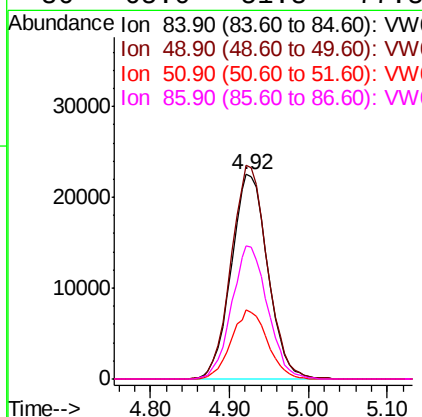
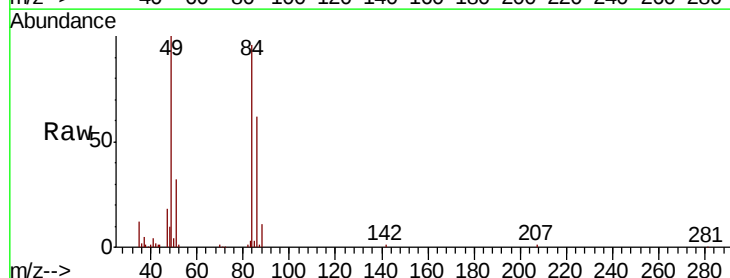
Tot Ion: 73 Resp: 142842
 Ion Ratio Lower Upper
 73 100
 57 20.8 16.8 25.2

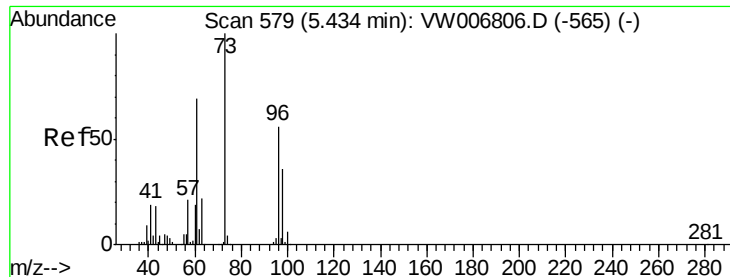


#20

Methylene Chloride
 Concen: 18.215 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VW006850.D
 Acq: 13 Nov 2018 13:30

Tgt Ion: 84 Resp: 72539
 Ion Ratio Lower Upper
 84 100
 49 104.5 84.8 127.2
 51 33.5 26.2 39.4
 86 65.0 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 20.903 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :

MSVOA_W

ClientSampleId :

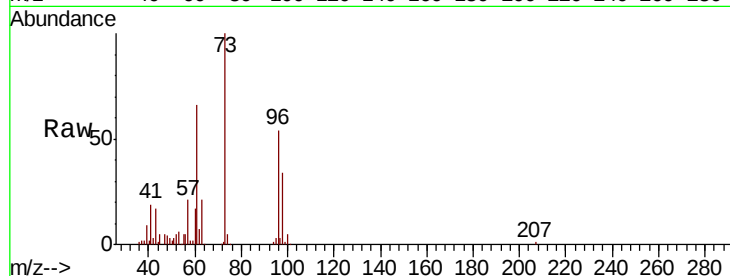
Tot Ion: 96 Resp: 65671

Ion Ratio Lower Upper

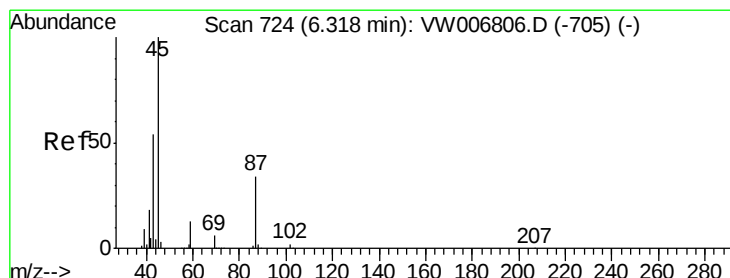
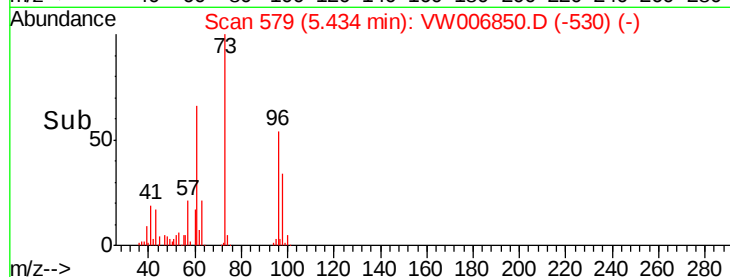
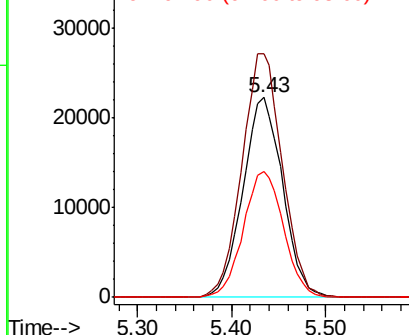
96 100

61 121.9 98.7 148.1

98 62.8 51.2 76.8



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



#22

Diisopropyl ether

Concen: 20.967 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Tgt Ion: 45 Resp: 152572

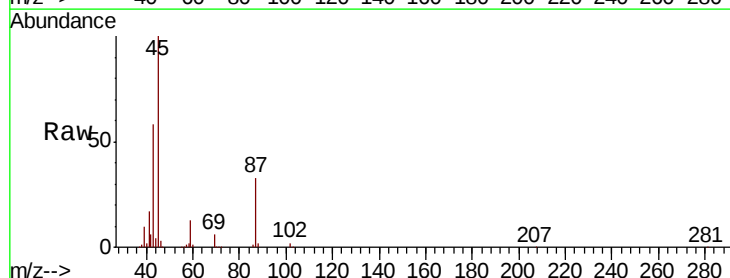
Ion Ratio Lower Upper

45 100

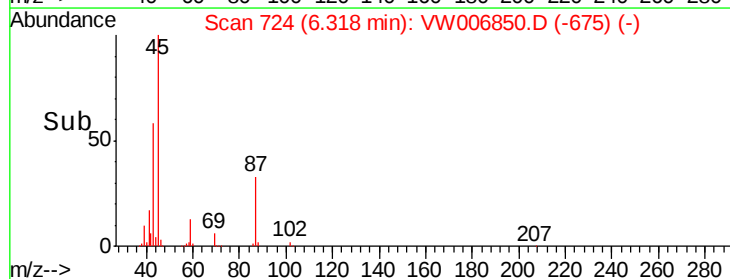
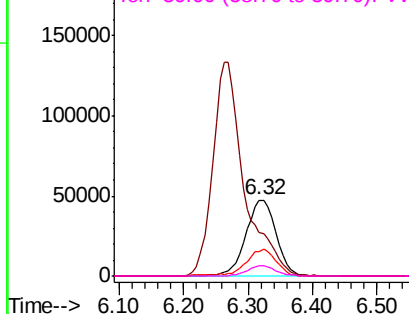
43 57.6 43.7 65.5

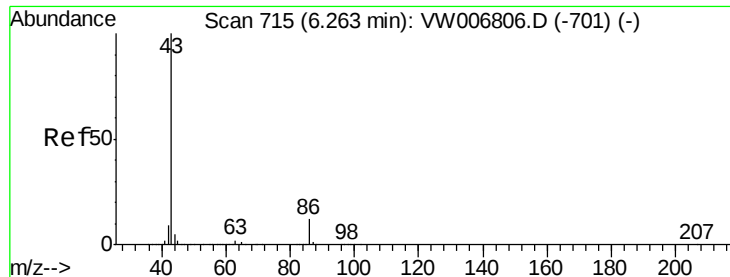
87 32.7 27.2 40.8

59 12.9 10.0 15.0



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





#23

Vinyl Acetate

Concen: 110.857 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :

MSVOA_W

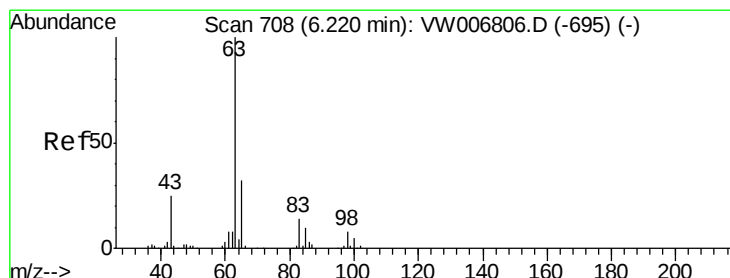
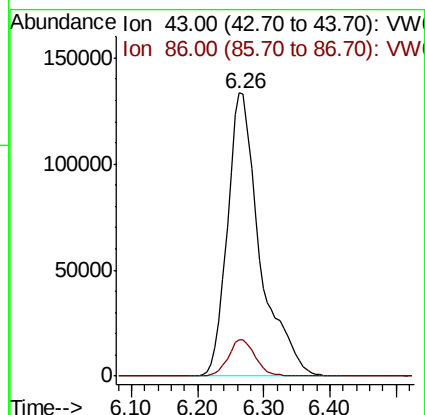
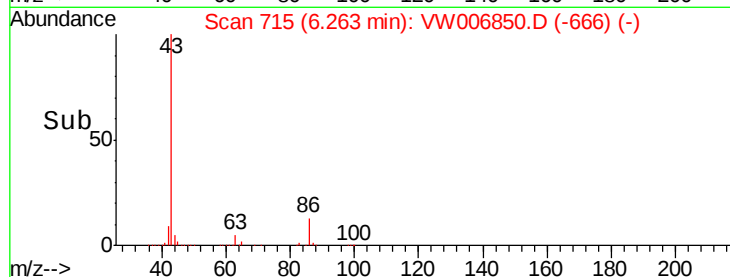
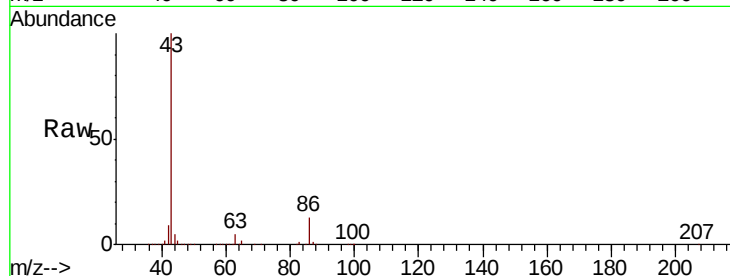
ClientSampled :

Tot Ion: 43 Resp: 454759

Ion Ratio Lower Upper

43 100

86 12.8 9.6 14.4



#24

1,1-Dichloroethane

Concen: 20.539 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

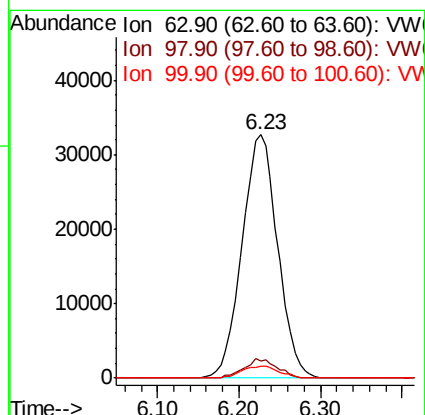
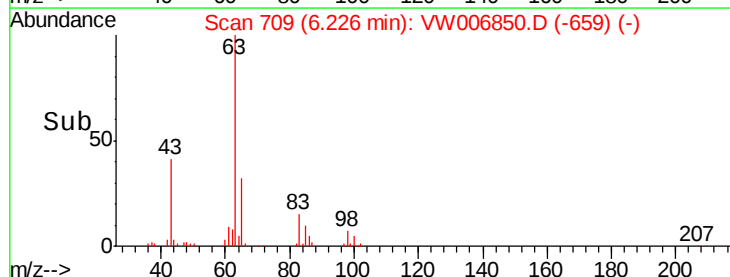
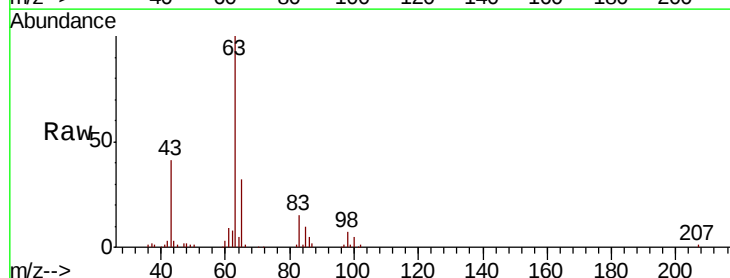
Tgt Ion: 63 Resp: 99123

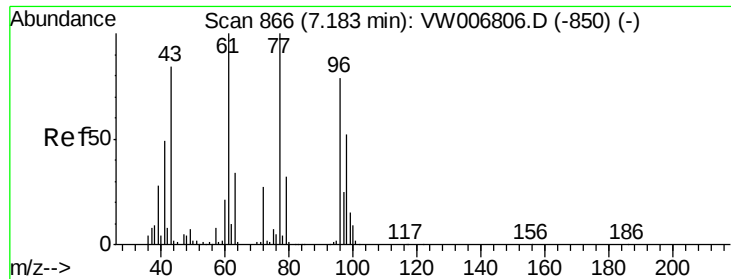
Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.5

100 5.1 2.4 7.2





#25

2-Butanone

Concen: 107.349 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :

MSVOA_W

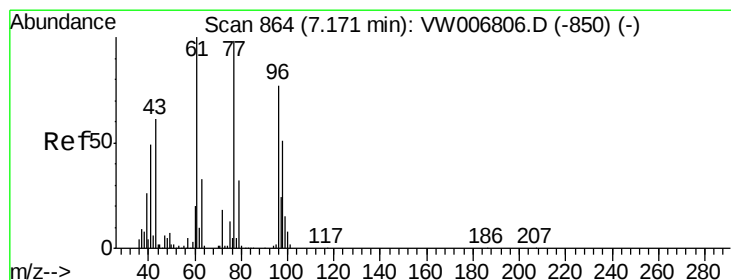
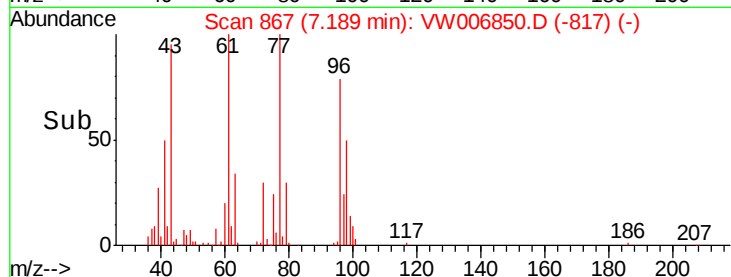
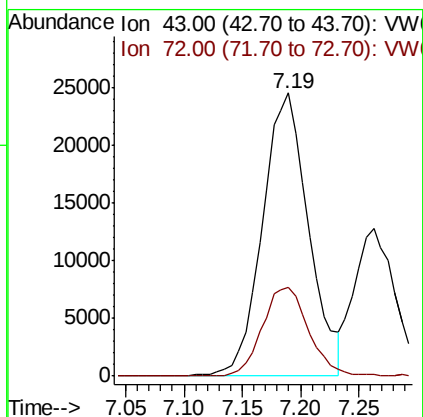
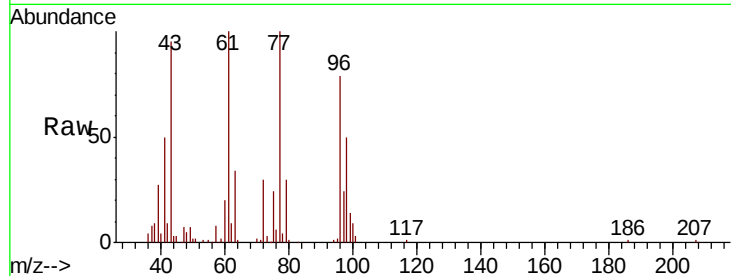
ClientSampled :

Tot Ion: 43 Resp: 67220

Ion Ratio Lower Upper

43 100

72 31.4 25.3 37.9



#26

2,2-Dichloropropane

Concen: 21.142 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006850.D

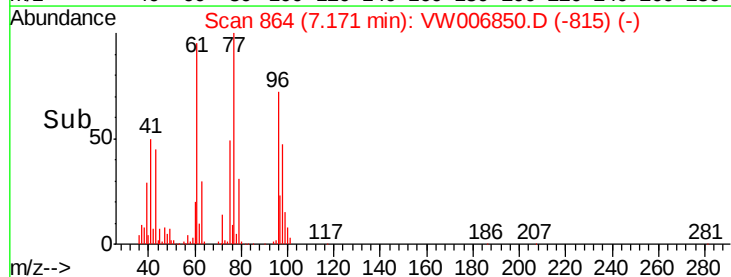
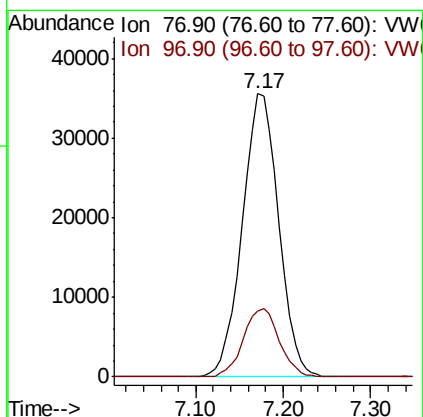
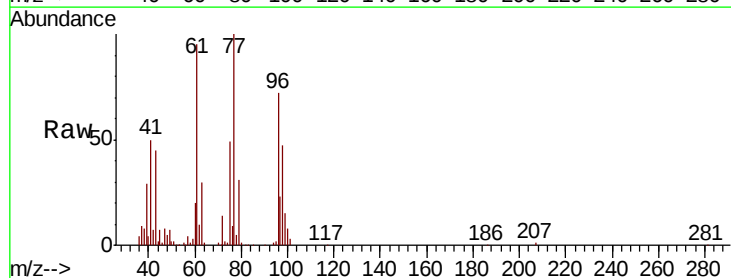
Acq: 13 Nov 2018 13:30

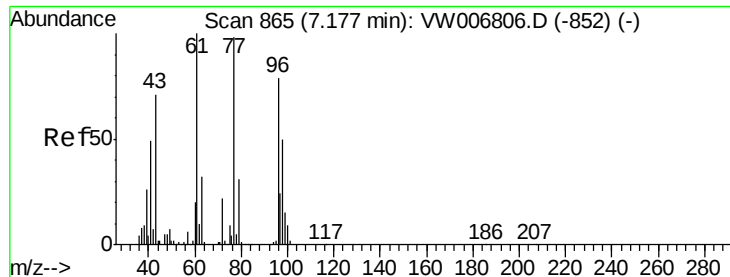
Tgt Ion: 77 Resp: 102663

Ion Ratio Lower Upper

77 100

97 23.8 12.0 36.1



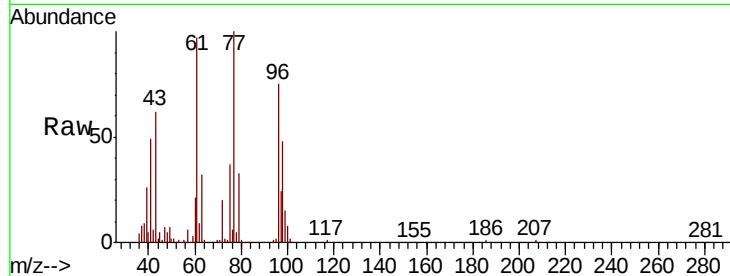


#27

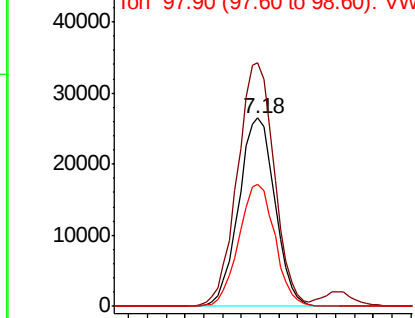
cis-1,2-Dichloroethene
 Concen: 21.225 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW006850.D
 Acq: 13 Nov 2018 13:30

Instrument :
 MSVOA_W
 ClientSampled :

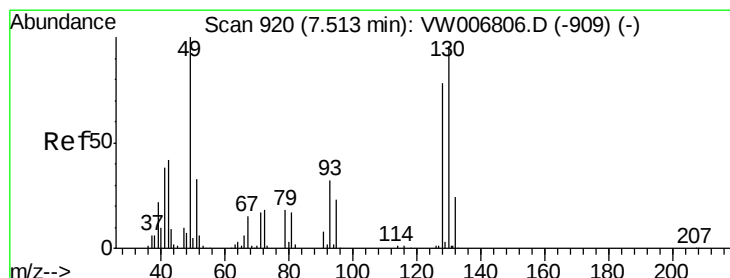
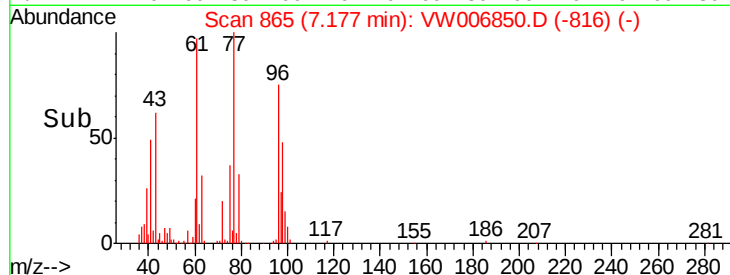
Tot Ion: 96 Resp: 71094
 Ion Ratio Lower Upper
 96 100
 61 131.3 0.0 264.0
 98 64.3 0.0 131.0



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



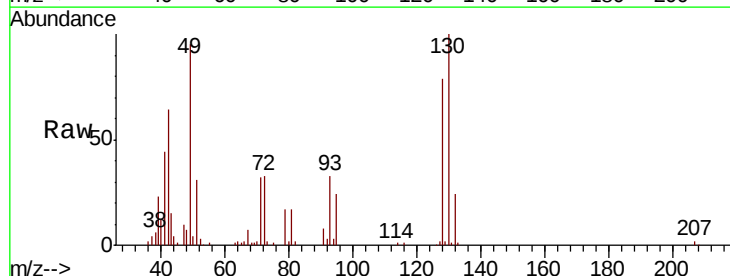
Time-->



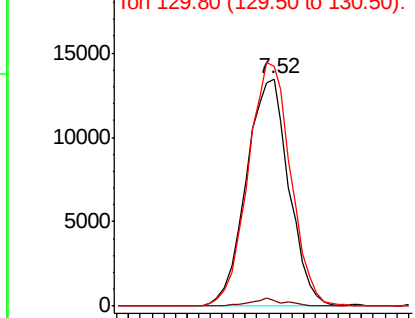
#28

Bromochloromethane
 Concen: 20.188 ug/l
 RT: 7.52 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: VW006850.D
 Acq: 13 Nov 2018 13:30

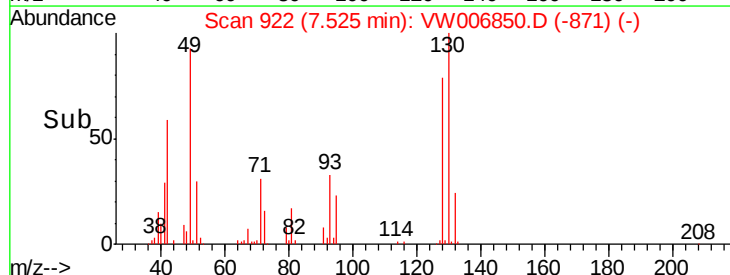
Tgt Ion: 49 Resp: 34079
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 5.6
 130 107.1 83.3 124.9

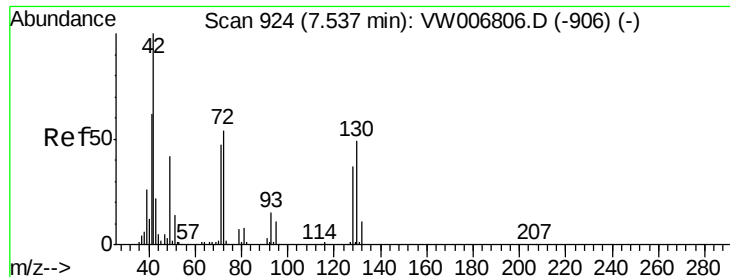


Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V



Time-->

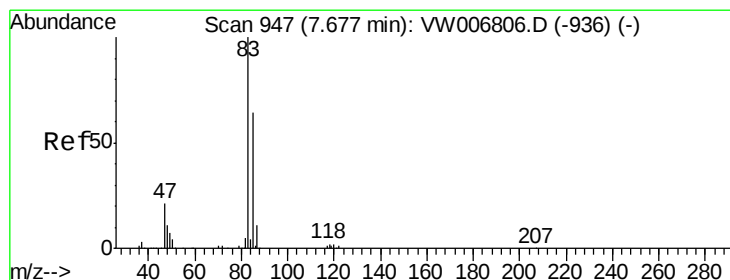
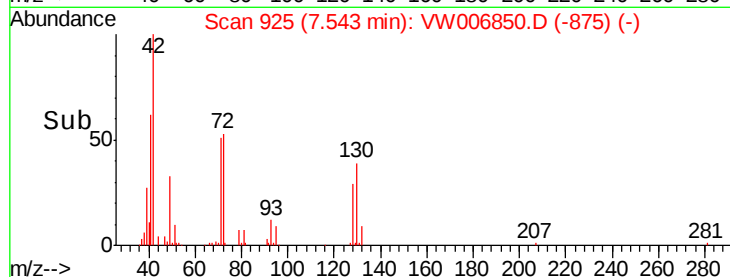
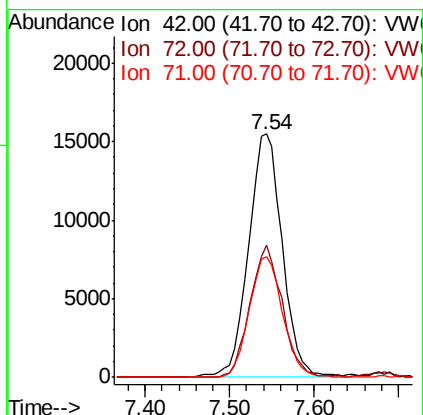
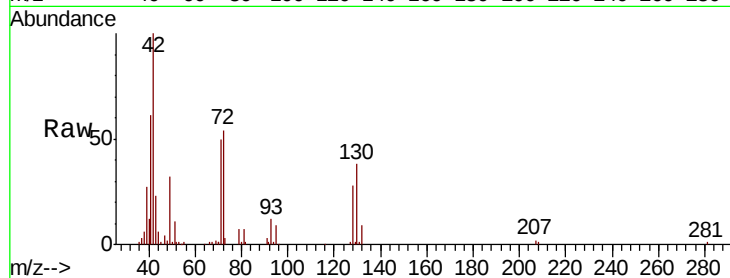




#29
Tetrahydrofuran
Concen: 105.232 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

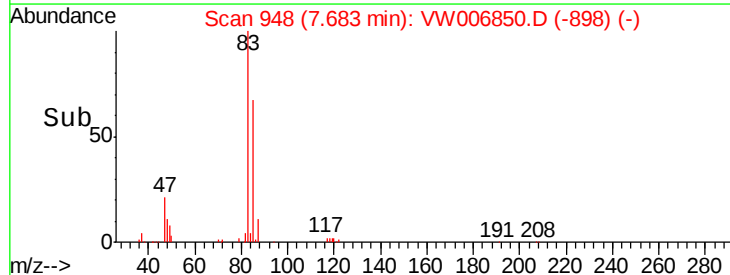
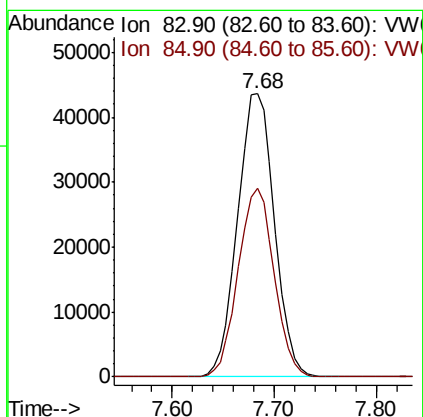
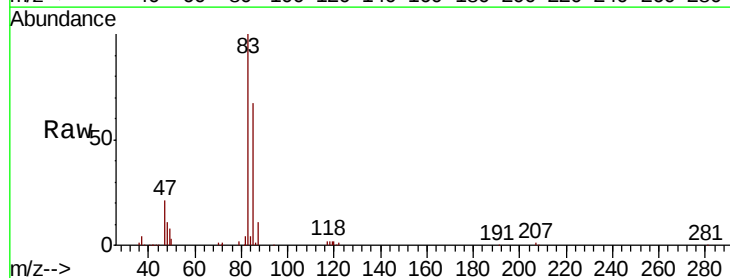
Instrument :
MSVOA_W
ClientSampleId :

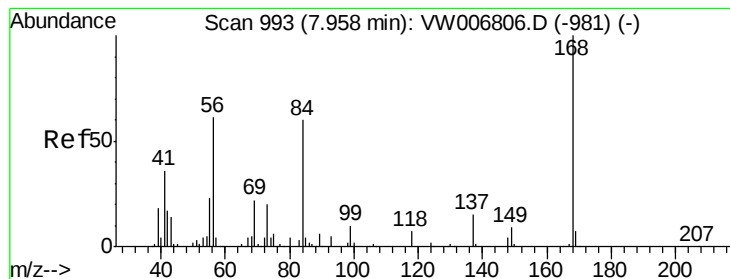
Tot Ion	Ratio	Lower	Upper
42	100		
72	51.5	40.9	61.3
71	49.0	36.9	55.3



#30
Chloroform
Concen: 20.784 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.5	77.3





#31

Cyclohexane

Concen: 21.754 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :

MSVOA_W

ClientSampled :

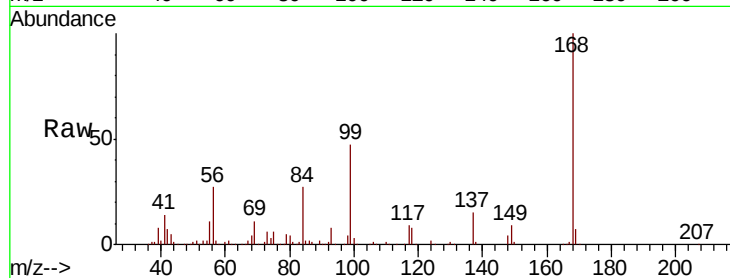
Tot Ion: 56 Resp: 107466

Ion Ratio Lower Upper

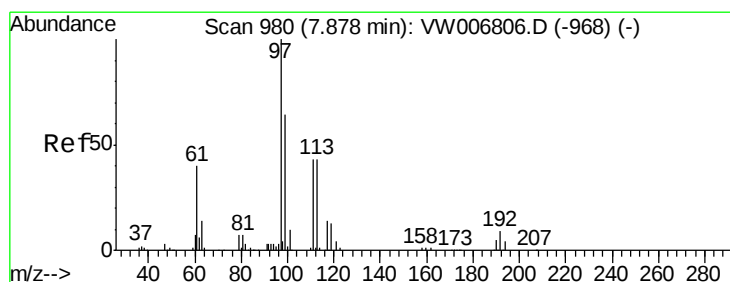
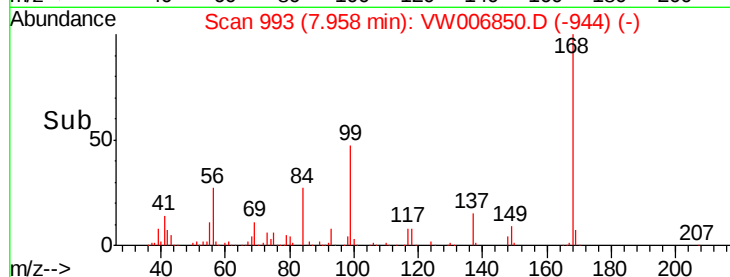
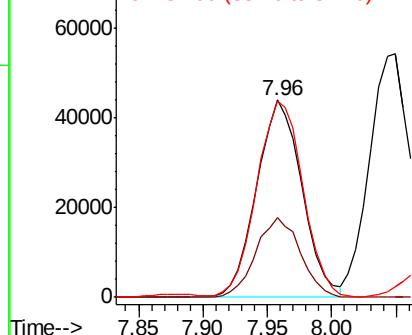
56 100

69 40.4 28.9 43.3

84 98.2 79.0 118.4



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: 21.947 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

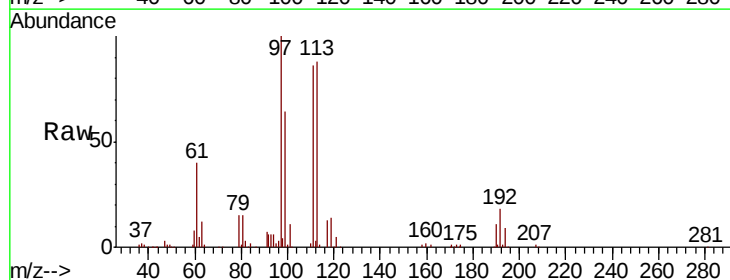
Tgt Ion: 97 Resp: 111628

Ion Ratio Lower Upper

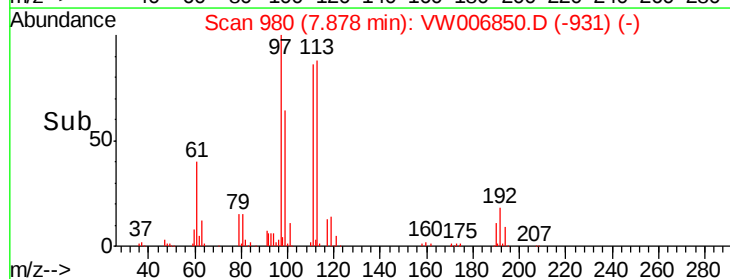
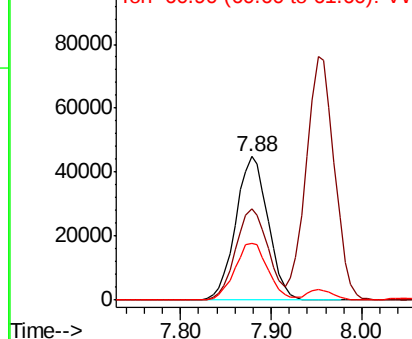
97 100

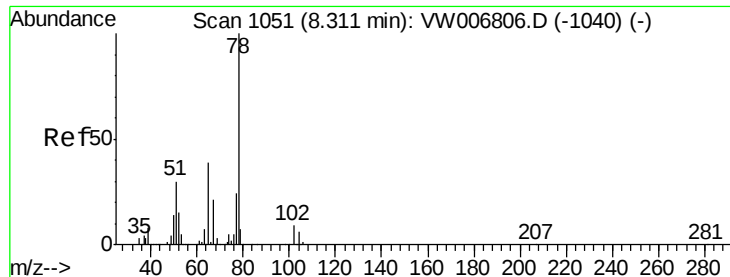
99 64.1 51.6 77.4

61 40.3 32.2 48.4



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: 47.169 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :

MSVOA_W

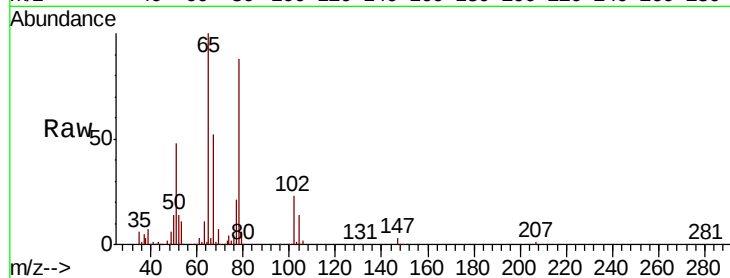
ClientSampleId :

Tot Ion: 65 Resp: 121611

Ion Ratio Lower Upper

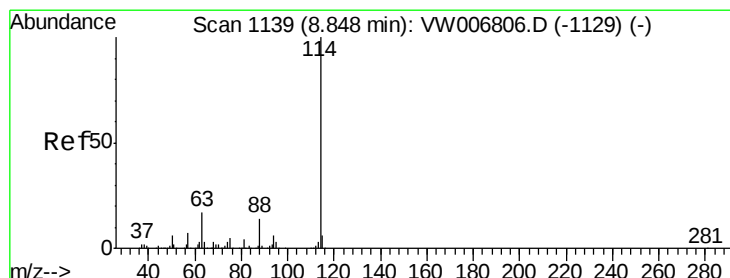
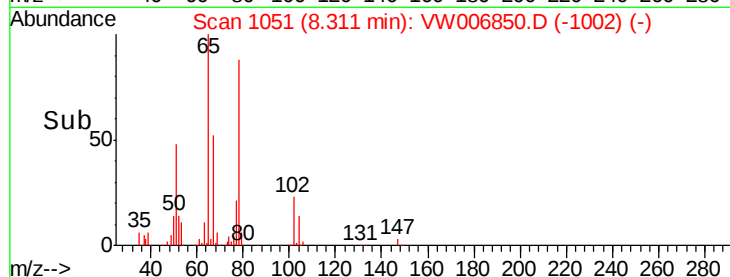
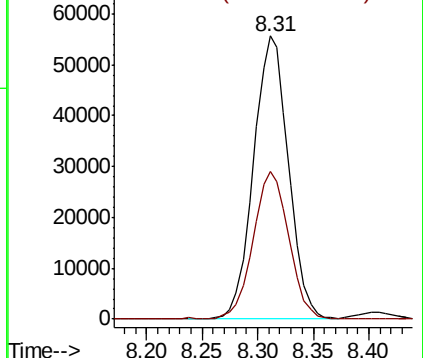
65 100

67 53.0 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

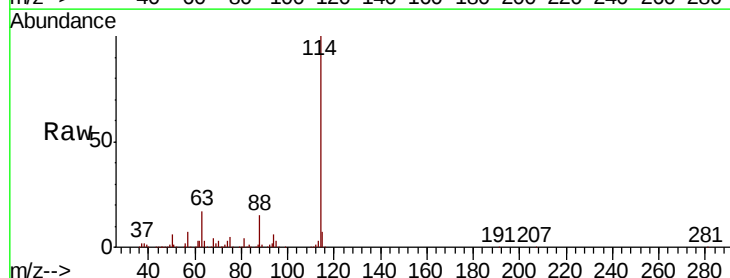
Tgt Ion: 114 Resp: 463936

Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.6

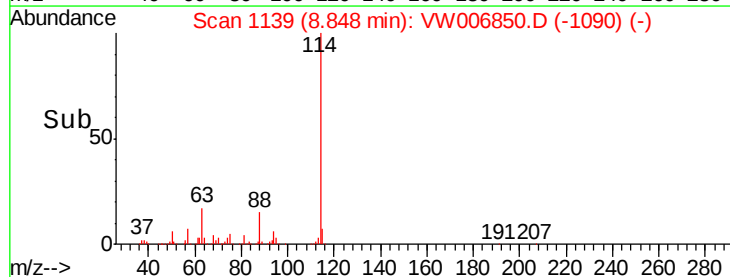
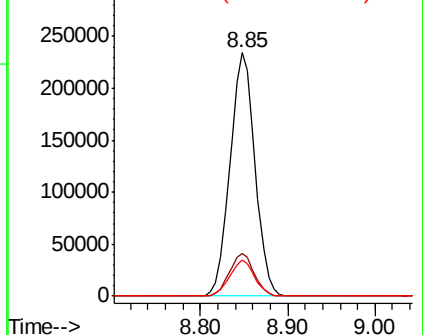
88 14.9 0.0 28.4

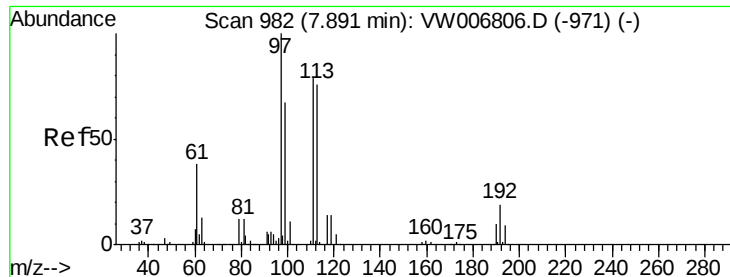


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 46.472 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :

MSVOA_W

ClientSampleId :

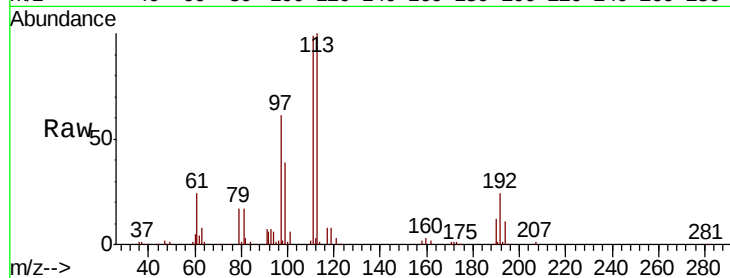
Tot Ion:113 Resp: 128384

Ion Ratio Lower Upper

113 100

111 101.2 81.0 121.6

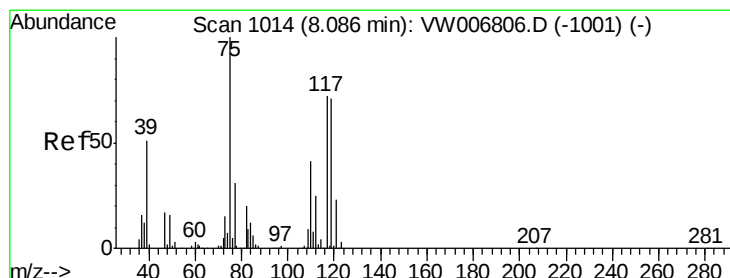
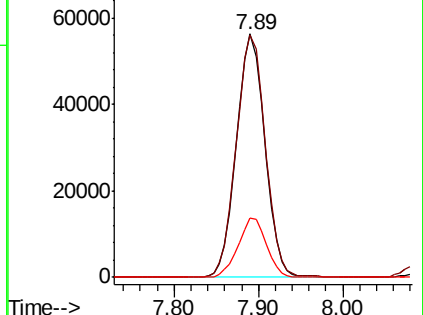
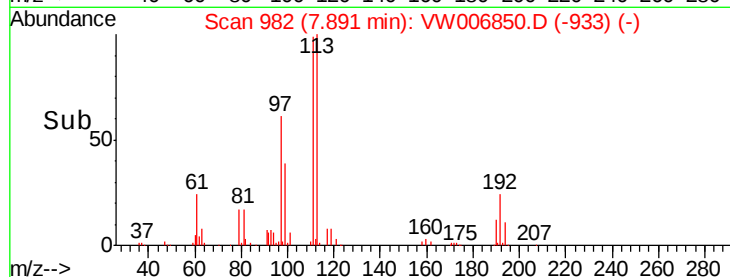
192 24.1 19.0 28.6



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: 22.119 ug/l

RT: 8.09 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

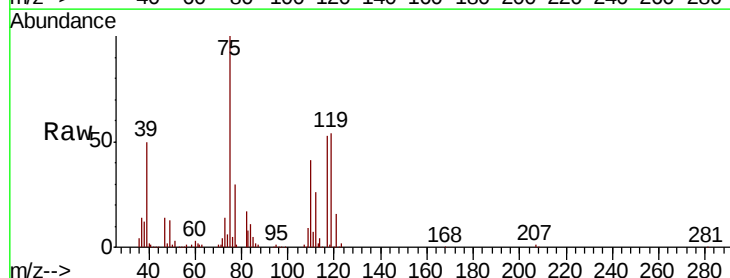
Tgt Ion: 75 Resp: 96029

Ion Ratio Lower Upper

75 100

110 39.2 19.9 59.6

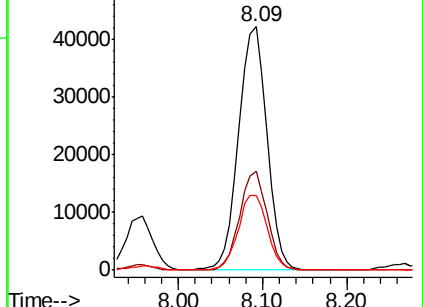
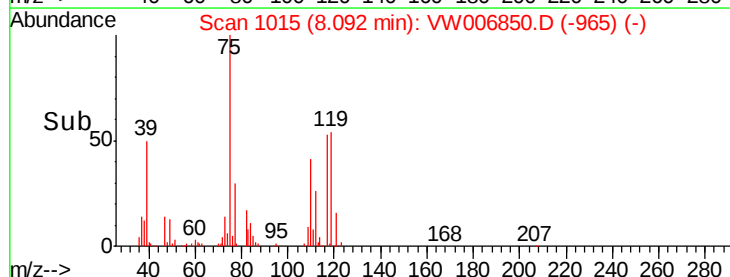
77 31.4 25.4 38.2

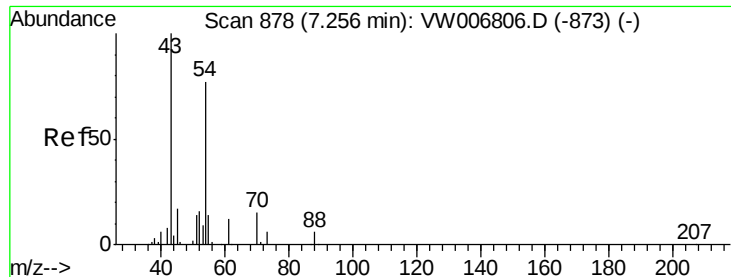


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

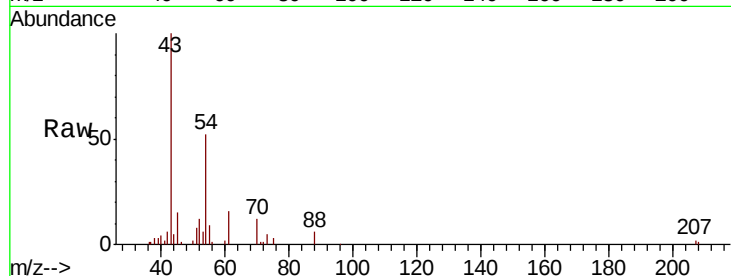




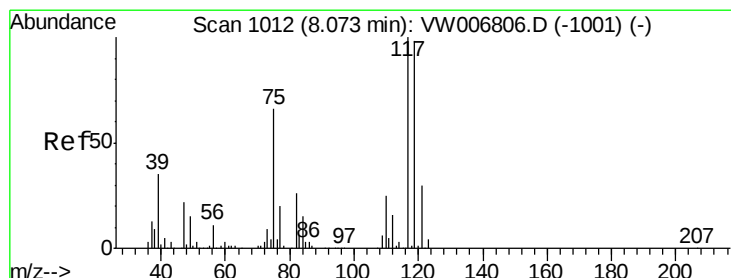
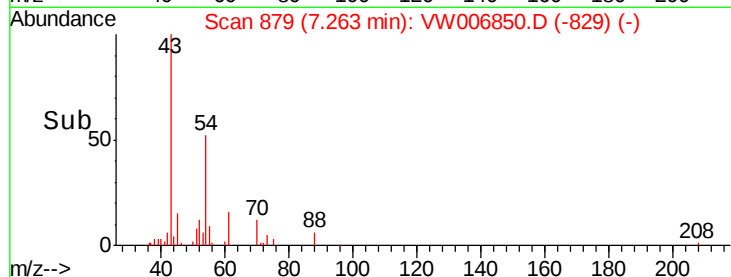
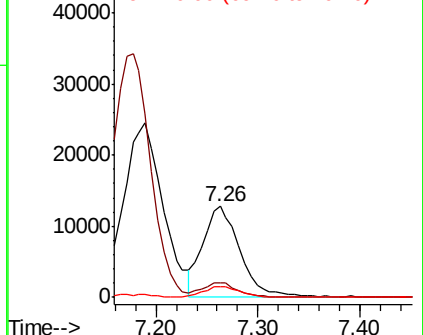
#37
Ethyl Acetate
Concen: 22.648 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 32152
Ion Ratio Lower Upper
43 100
61 15.3 11.7 17.5
70 11.8 10.0 15.0

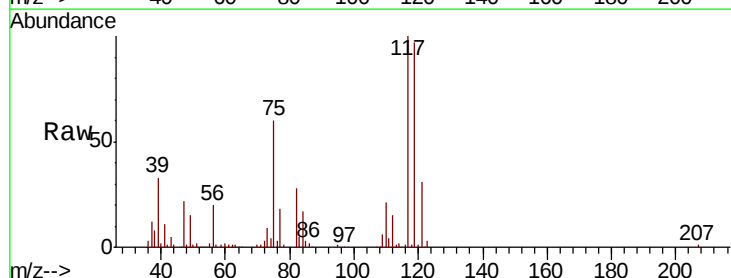


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

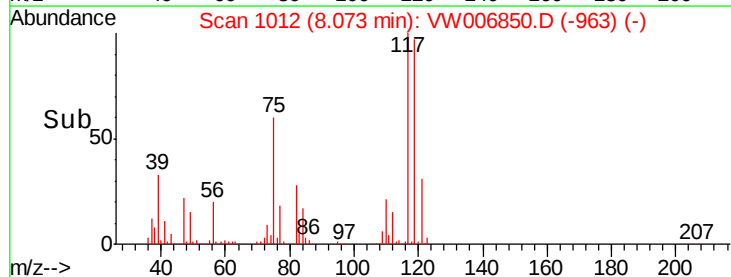
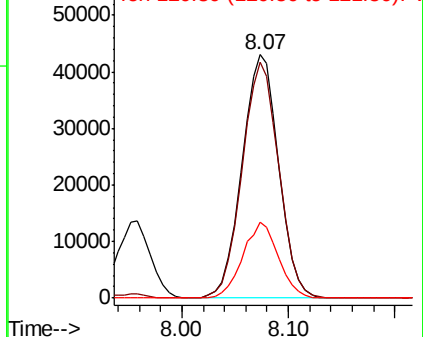


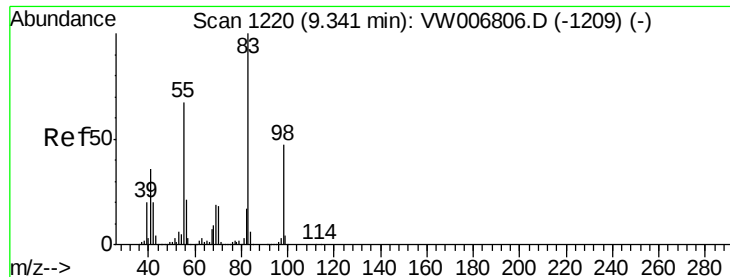
#38
Carbon Tetrachloride
Concen: 21.989 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

Tgt Ion: 117 Resp: 103757
Ion Ratio Lower Upper
117 100
119 97.1 78.5 117.7
121 31.4 24.2 36.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

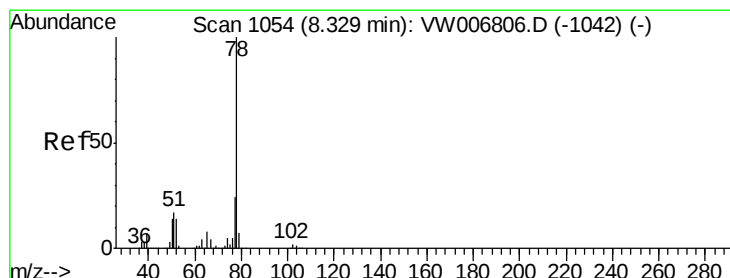
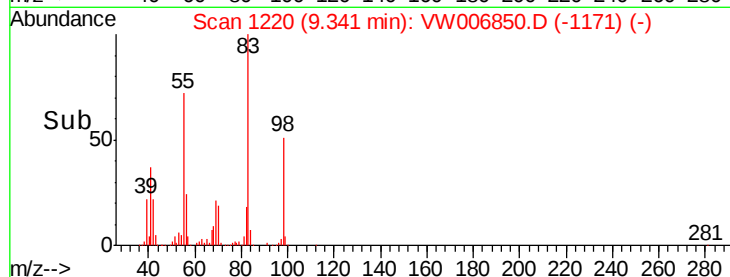
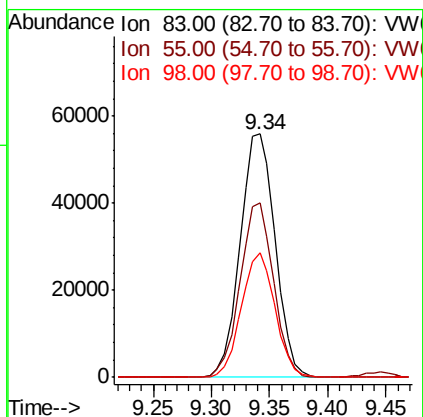
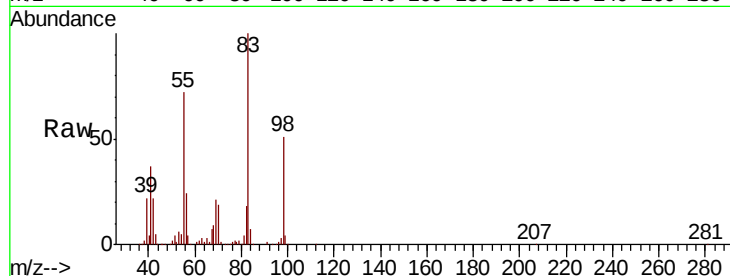




#39
Methvlcvclohexane
Concen: 20.825 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

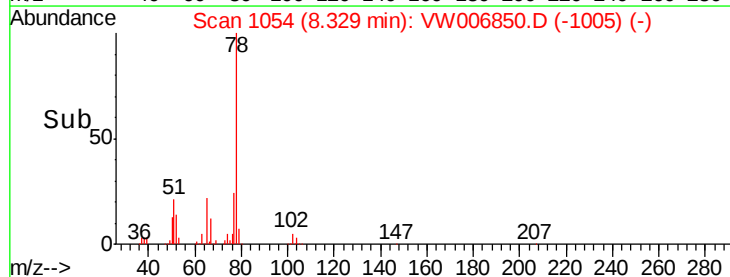
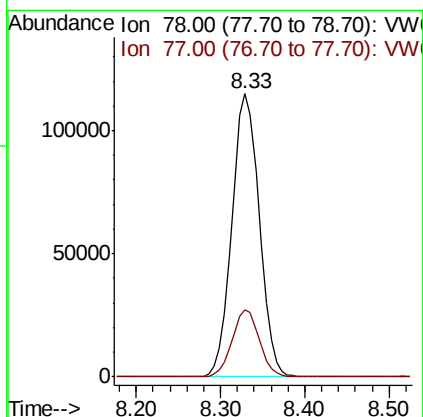
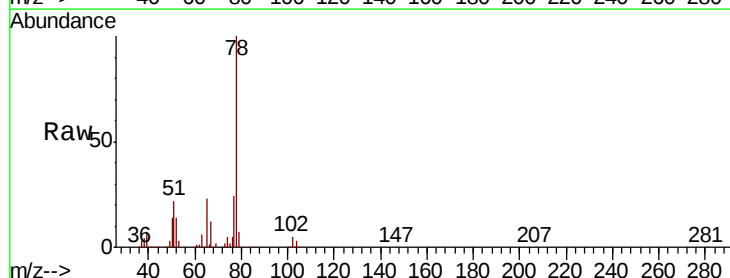
Instrument :
MSVOA_W
ClientSampleId :

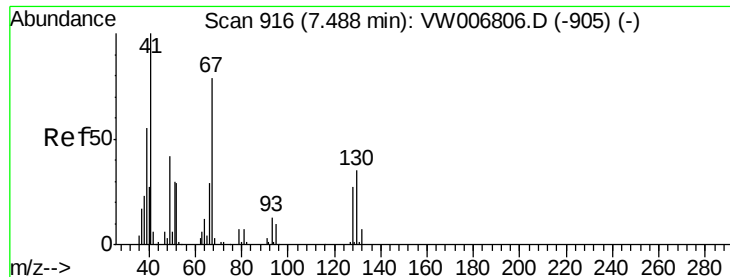
Tot Ion: 83 Resp: 117299
Ion Ratio Lower Upper
83 100
55 71.5 53.3 79.9
98 51.1 37.9 56.9



#40
Benzene
Concen: 20.898 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

Tgt Ion: 78 Resp: 252287
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6





#41

Methacrylonitrile

Concen: 20.993 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 18299

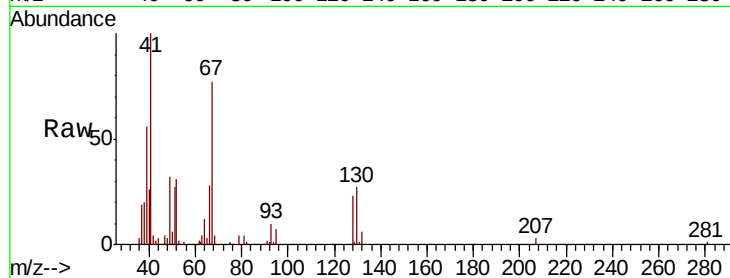
Ion Ratio Lower Upper

41 100

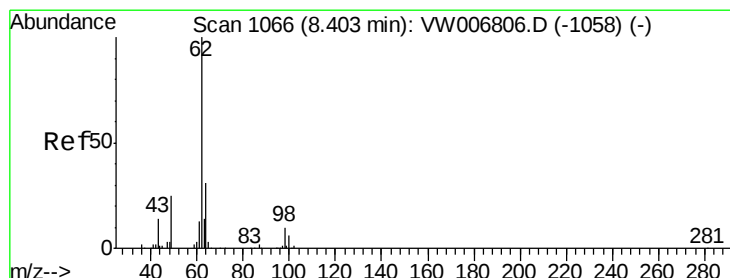
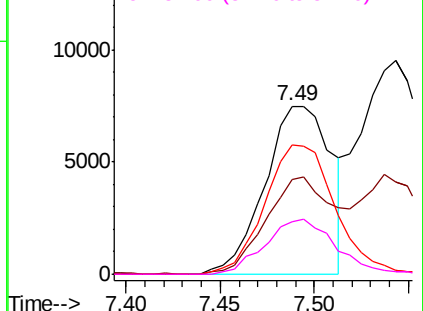
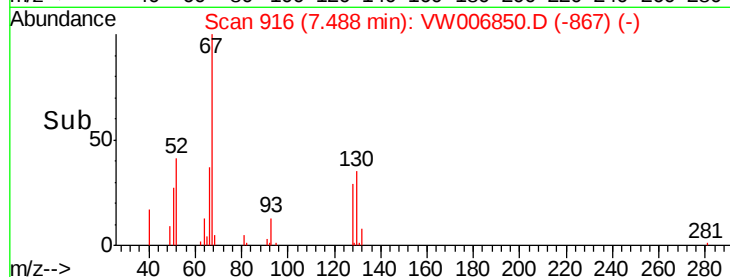
39 61.8 48.1 72.1

67 81.7 61.4 92.2

52 34.7 23.2 34.8



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: 21.490 ug/l

RT: 8.41 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VW006850.D

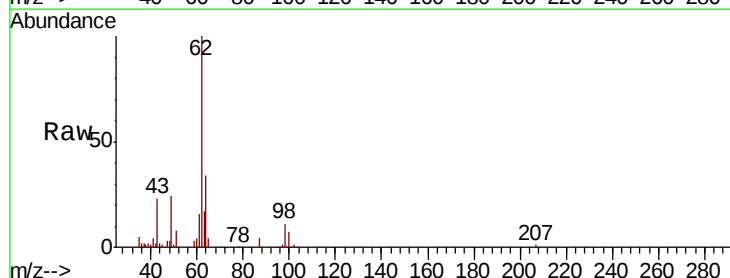
Acq: 13 Nov 2018 13:30

Tgt Ion: 62 Resp: 69509

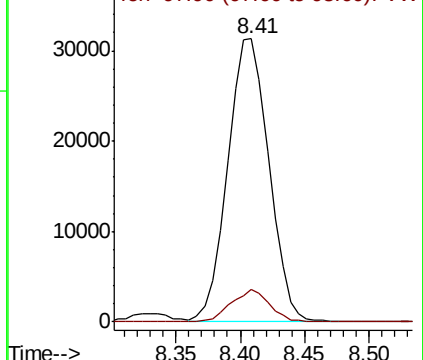
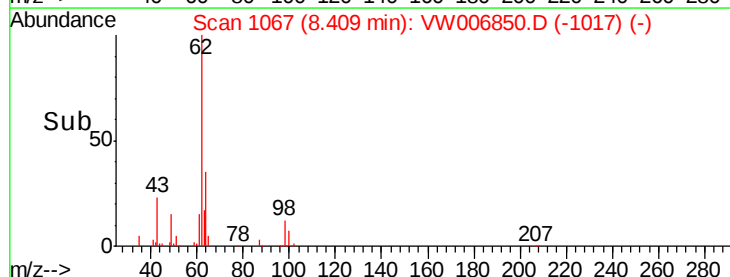
Ion Ratio Lower Upper

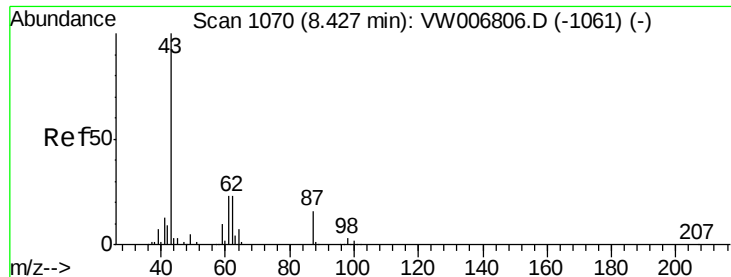
62 100

98 10.6 0.0 20.0



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





#43

Isopropyl Acetate

Concen: 21.974 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :

MSVOA_W

ClientSampleId :

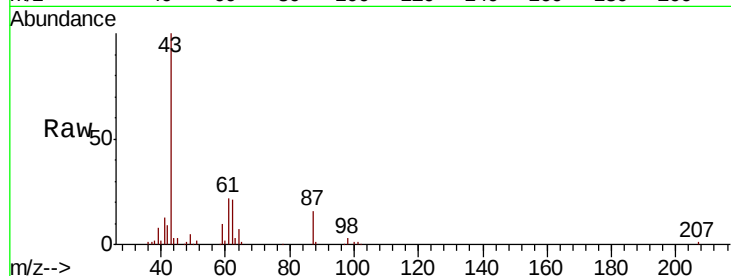
Tot Ion: 43 Resp: 60671

Ion Ratio Lower Upper

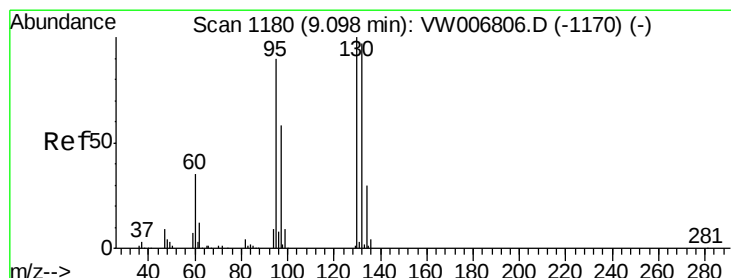
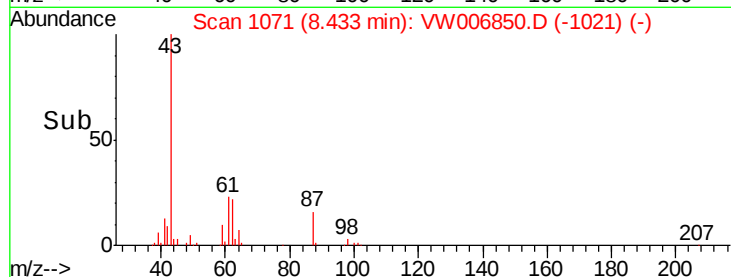
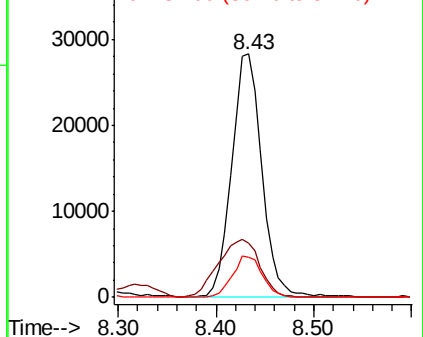
43 100

61 32.7 27.0 40.4

87 16.8 13.0 19.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 21.921 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW006850.D

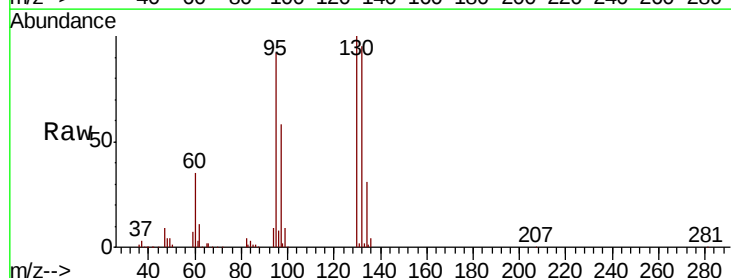
Acq: 13 Nov 2018 13:30

Tgt Ion:130 Resp: 83503

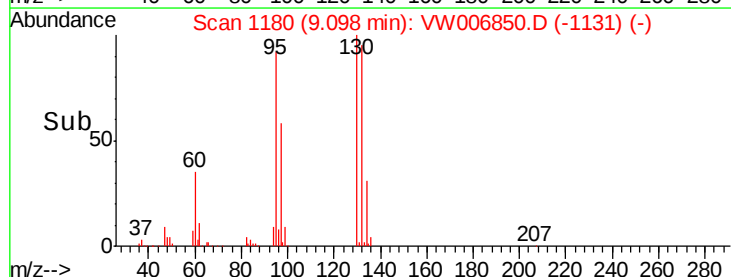
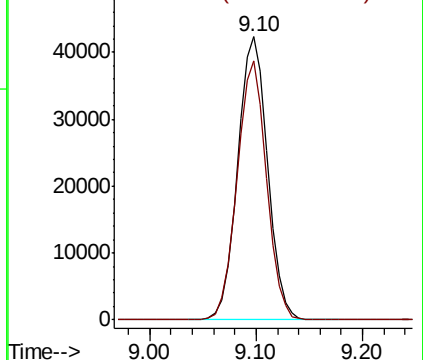
Ion Ratio Lower Upper

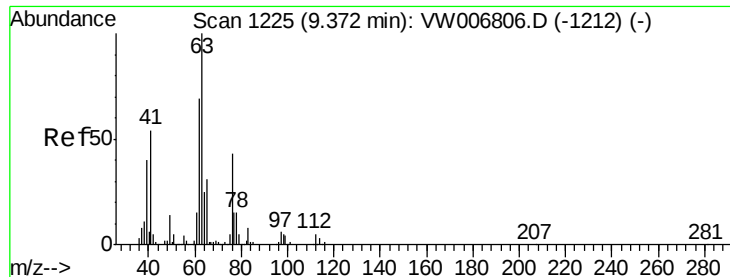
130 100

95 91.5 0.0 180.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

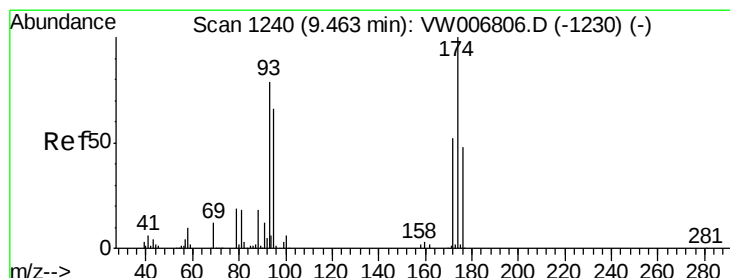
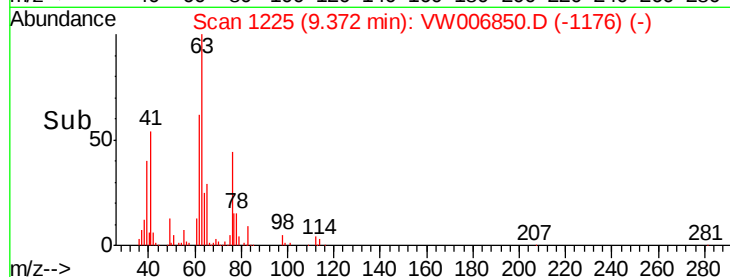
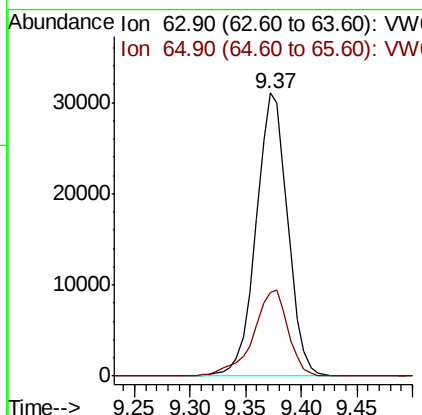
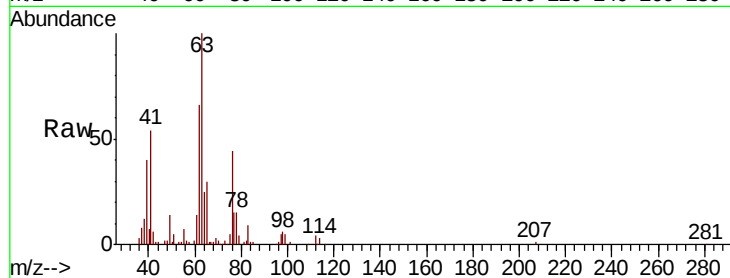




#45
 1,2-Dichloropropane
 Concen: 21.799 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006850.D
 Acq: 13 Nov 2018 13:30

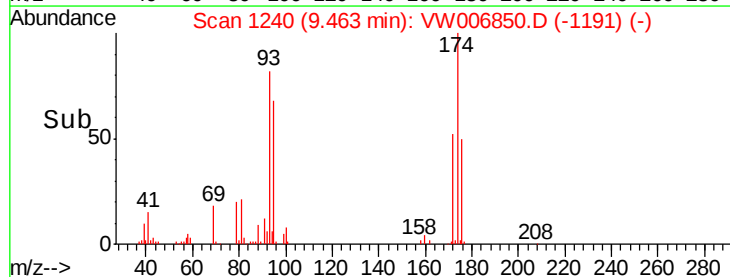
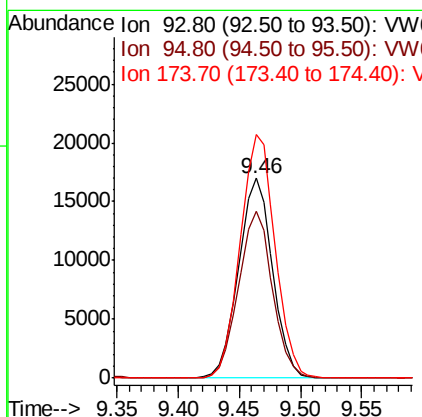
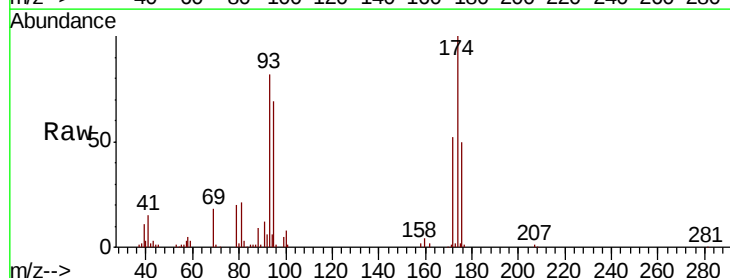
Instrument :
 MSVOA_W
 ClientSampleId :

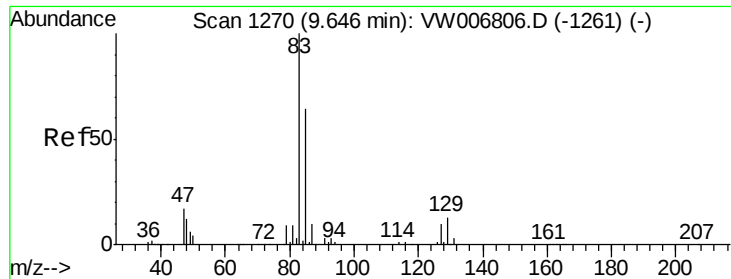
Tot Ion: 63 Resp: 61335
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.4 36.6



#46
 Dibromomethane
 Concen: 20.969 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006850.D
 Acq: 13 Nov 2018 13:30

Tgt Ion: 93 Resp: 32842
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.0 100.6
 174 124.5 98.6 147.8





#47

Bromodichloromethane

Concen: 21.739 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :
MSVOA_W
ClientSampleId :

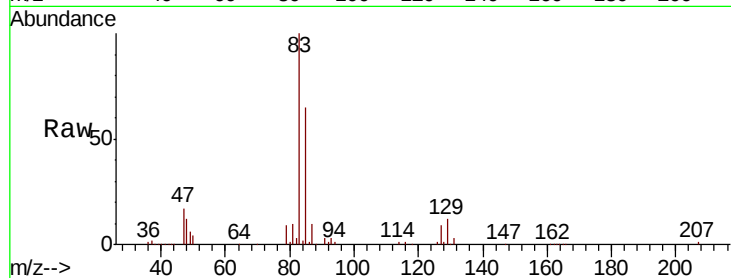
Tot Ion: 83 Resp: 84452

Ion Ratio Lower Upper

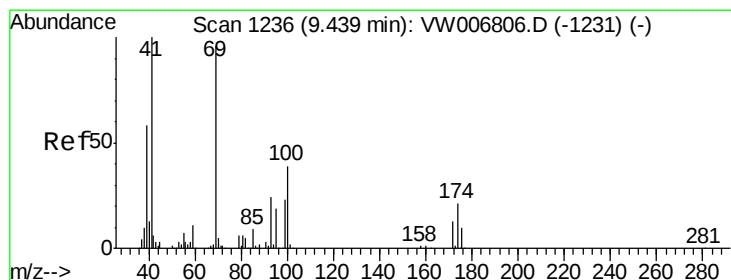
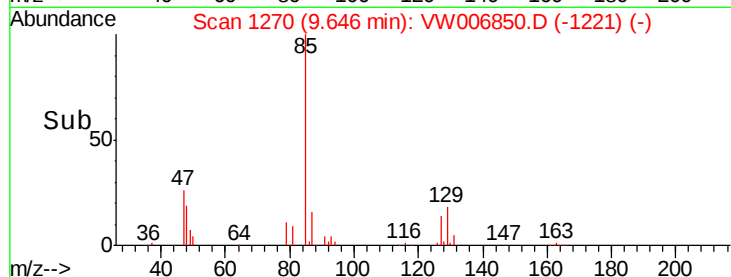
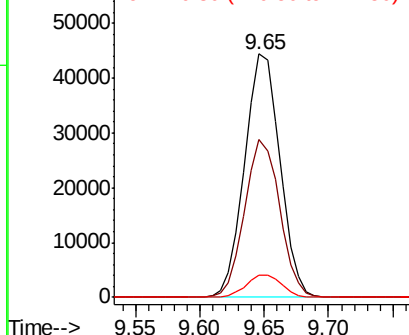
83 100

85 64.6 51.4 77.0

127 8.9 7.6 11.4



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



#48

Methyl methacrylate

Concen: 20.475 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

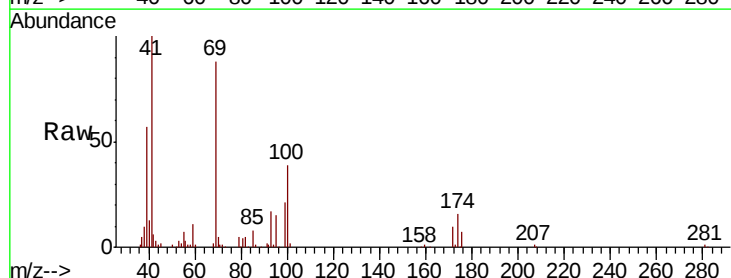
Tgt Ion: 41 Resp: 27716

Ion Ratio Lower Upper

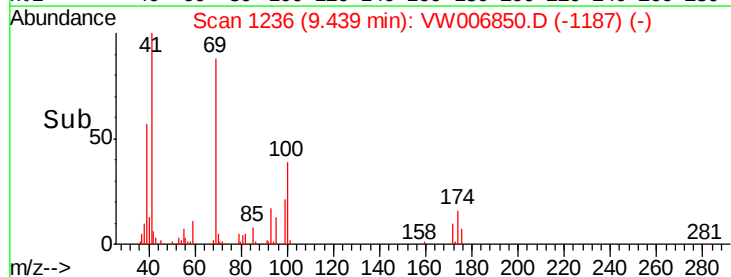
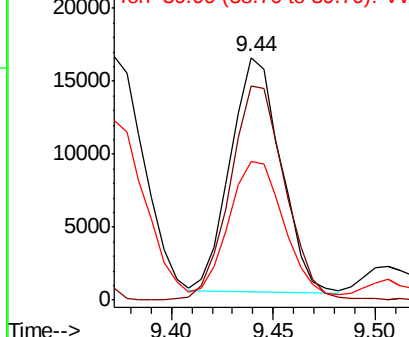
41 100

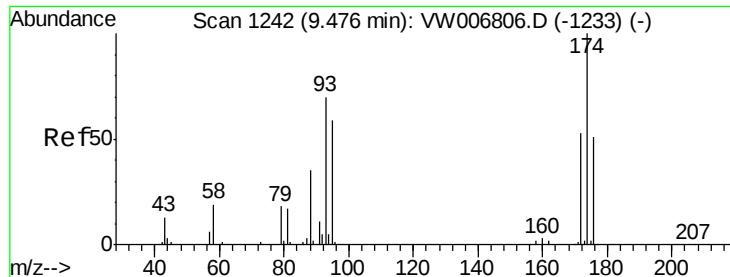
69 99.1 79.8 119.6

39 61.0 45.9 68.9



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

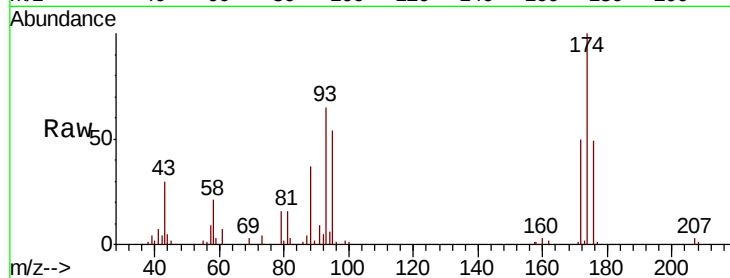




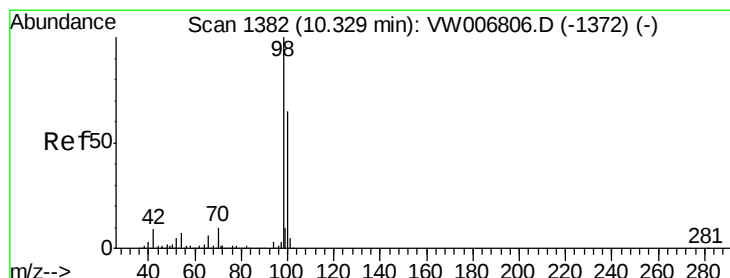
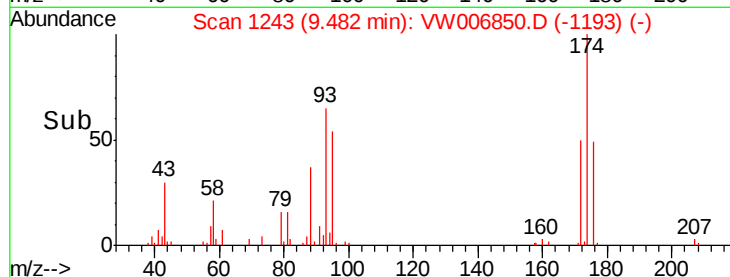
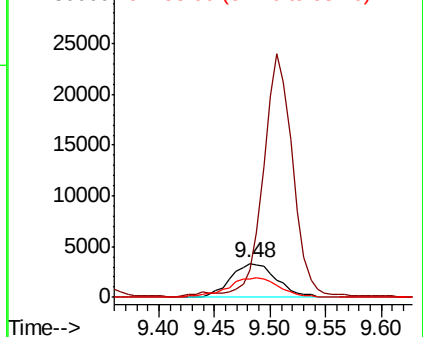
#49
1,4-Dioxane
Concen: 406.041 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 9608
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 63.7 50.6 75.8

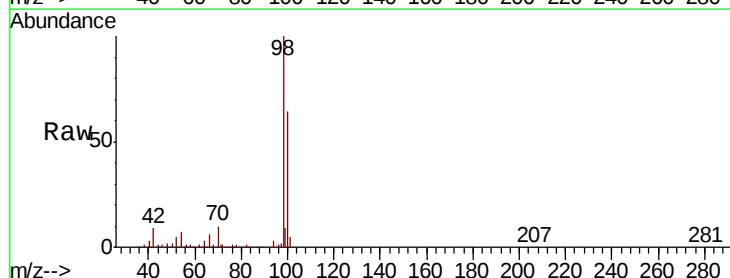


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

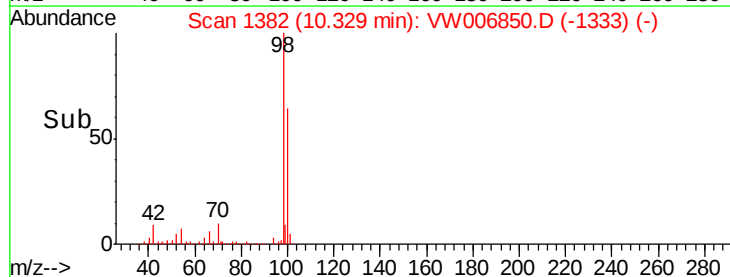
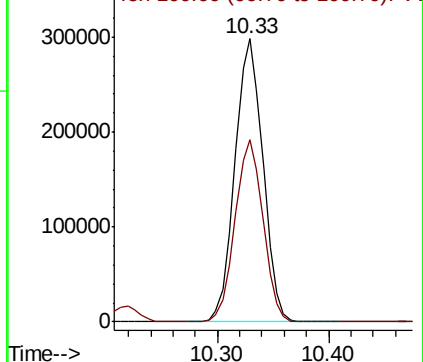


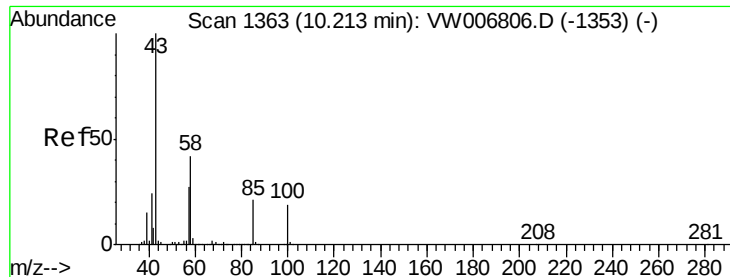
#50
Toluene-d8
Concen: 45.273 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

Tgt Ion: 98 Resp: 518406
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.2



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: 105.927 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :

MSVOA_W

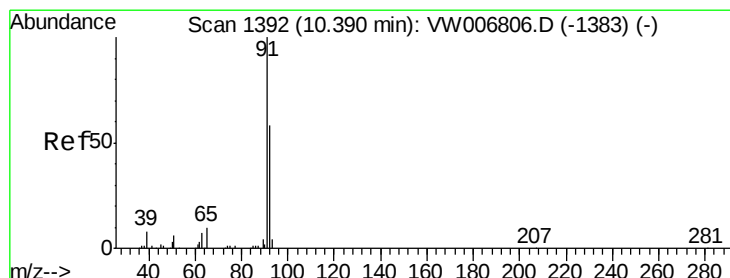
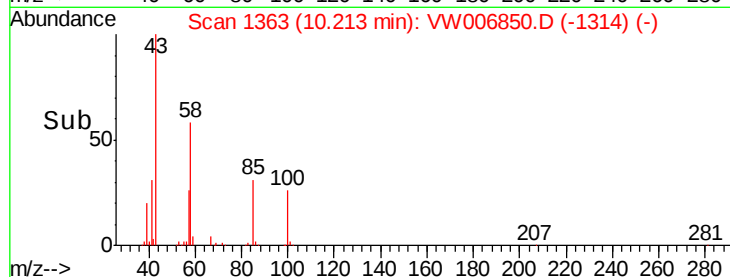
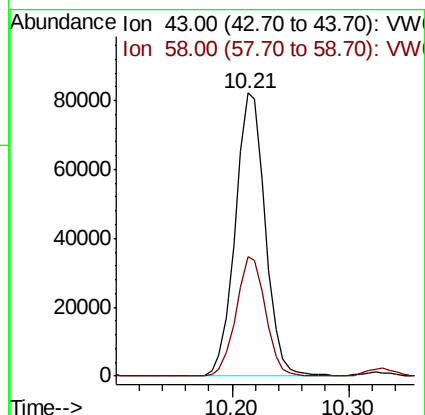
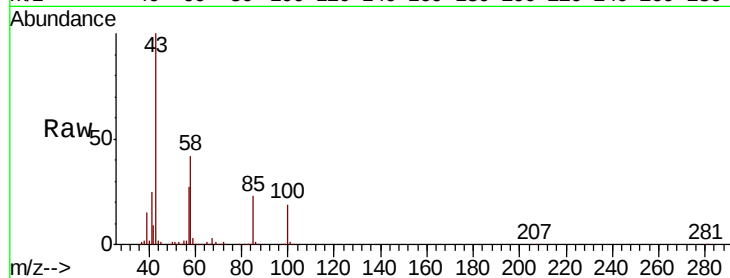
ClientSampled :

Tot Ion: 43 Resp: 146650

Ion Ratio Lower Upper

43 100

58 42.0 34.0 51.0



#52

Toluene

Concen: 20.690 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006850.D

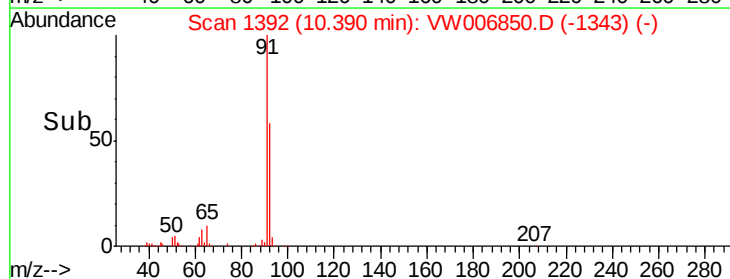
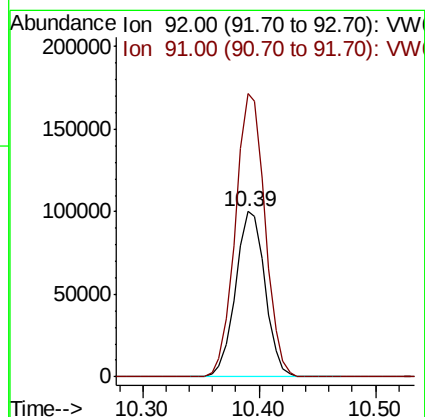
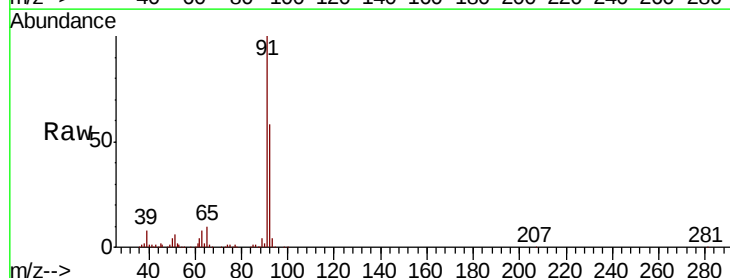
Acq: 13 Nov 2018 13:30

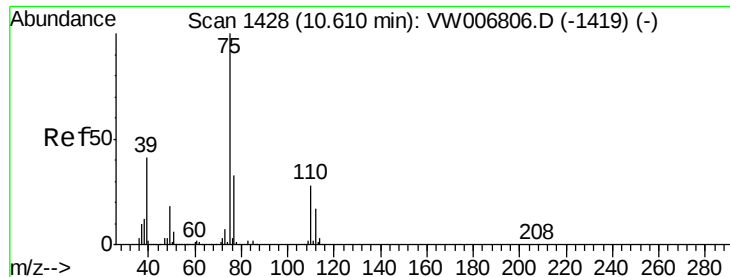
Tgt Ion: 92 Resp: 177081

Ion Ratio Lower Upper

92 100

91 172.1 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 21.226 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :

MSVOA_W

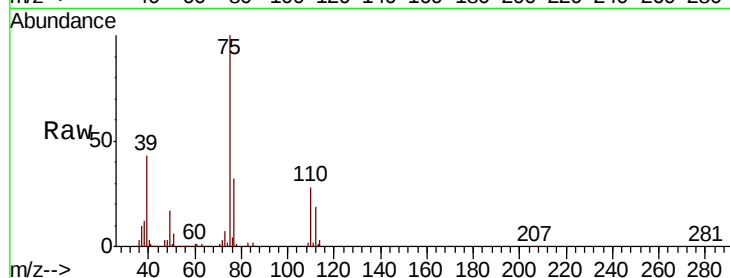
ClientSampled :

Tot Ion: 75 Resp: 81178

Ion Ratio Lower Upper

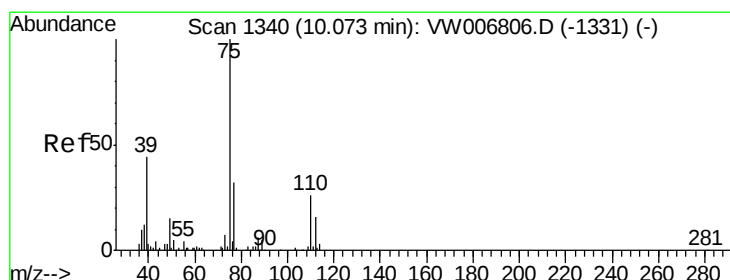
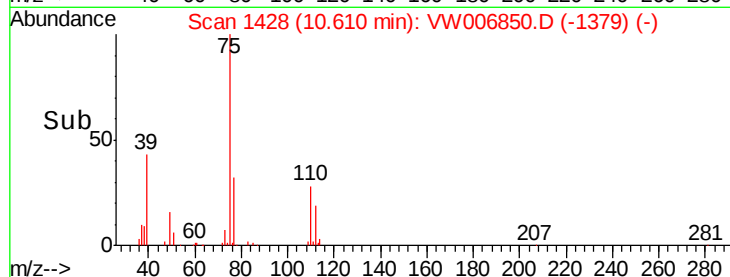
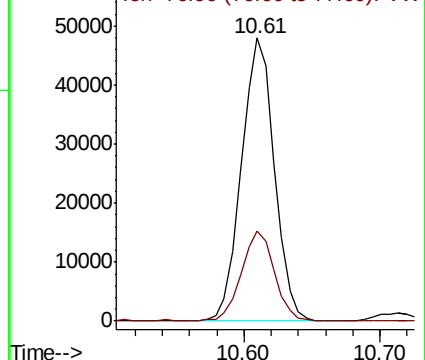
75 100

77 31.6 26.3 39.5



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 21.568 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

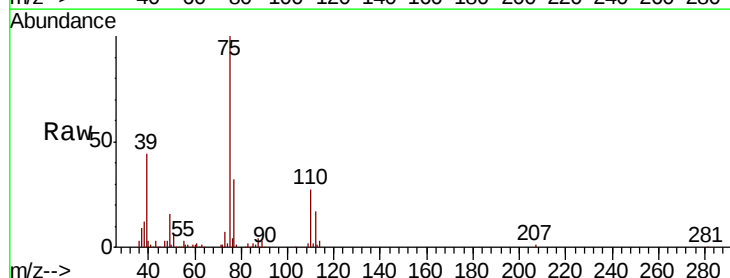
Tgt Ion: 75 Resp: 97809

Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8

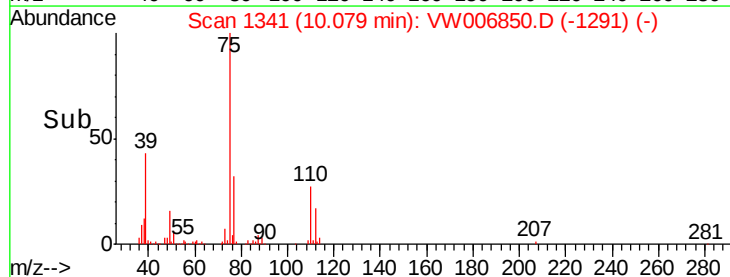
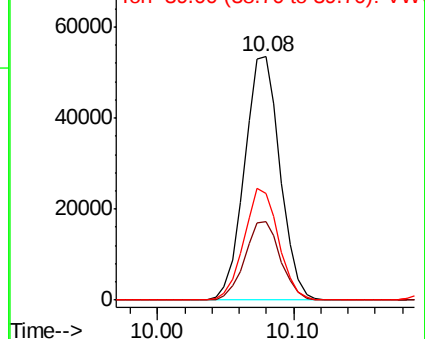
39 43.7 35.3 52.9

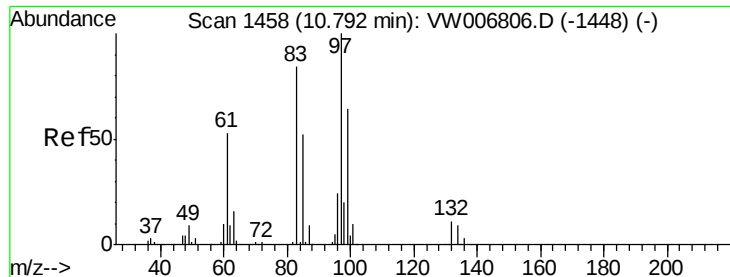


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 21.938 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

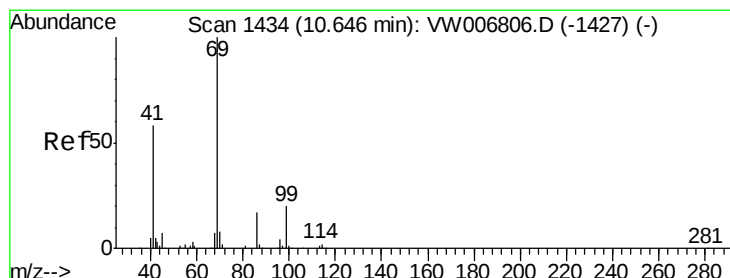
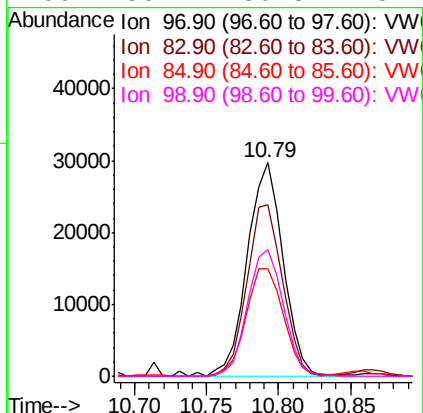
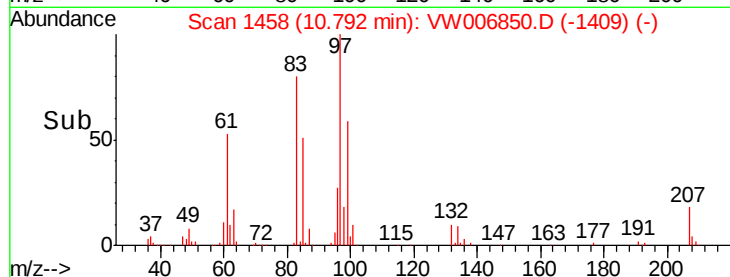
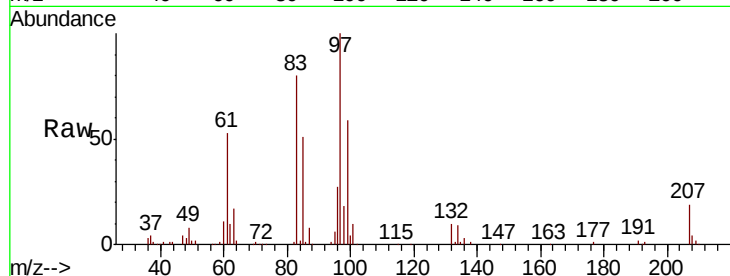
Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 50987

Ion	Ratio	Lower	Upper
97	100		
83	80.4	67.0	100.4
85	50.5	41.7	62.5
99	59.4	50.8	76.2



#56

Ethyl methacrylate

Concen: 21.309 ug/l

RT: 10.65 min Scan# 1435

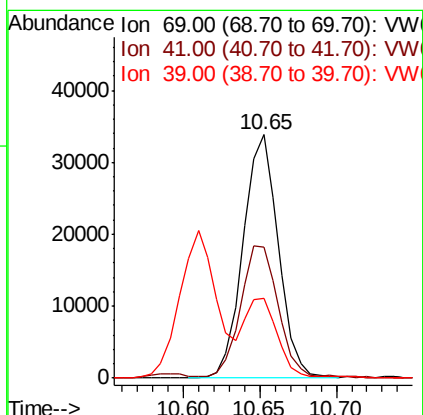
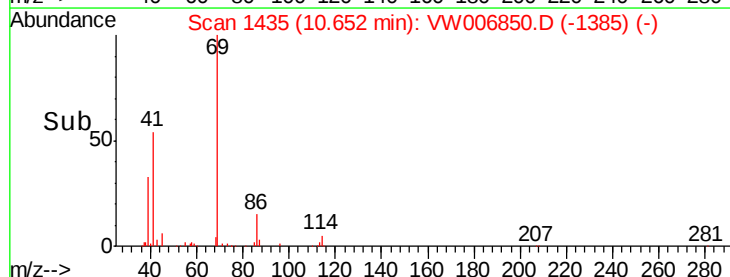
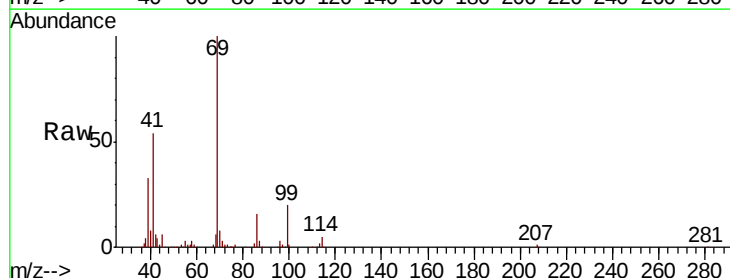
Delta R.T. 0.01 min

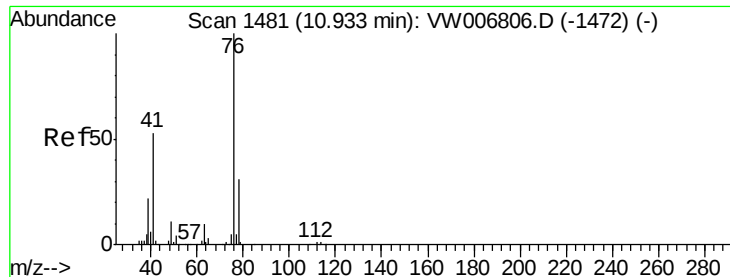
Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Tgt Ion: 69 Resp: 54276

Ion	Ratio	Lower	Upper
69	100		
41	58.4	47.0	70.4
39	30.5	23.1	34.7

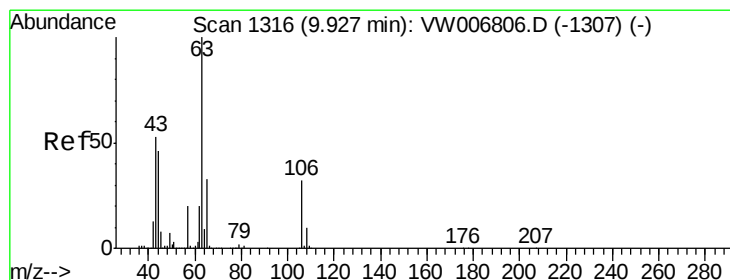
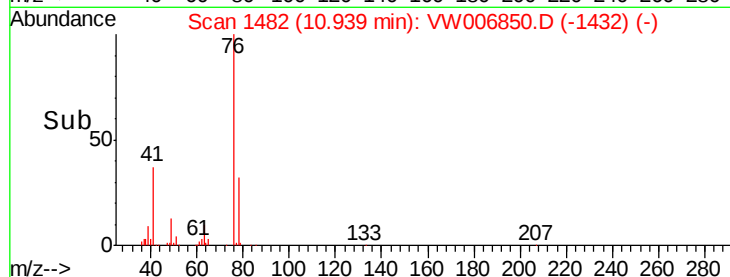
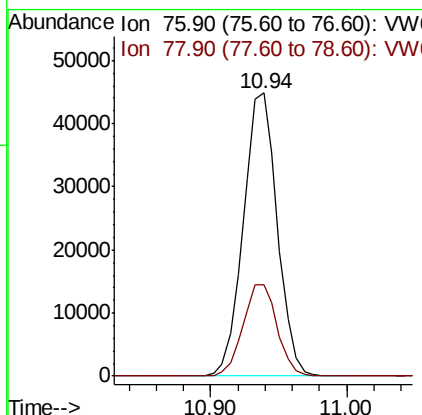
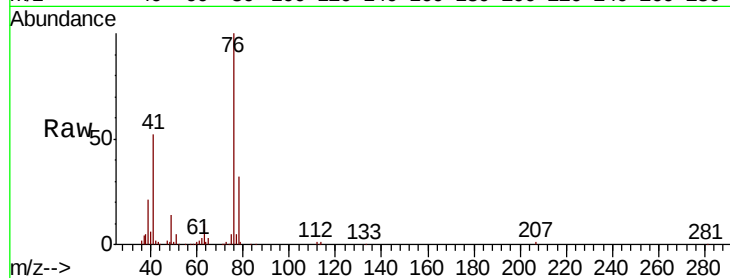




#57
 1,3-Dichloropropane
 Concen: 21.253 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: VW006850.D
 Acq: 13 Nov 2018 13:30

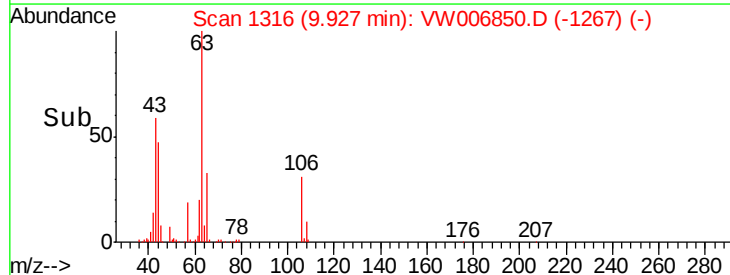
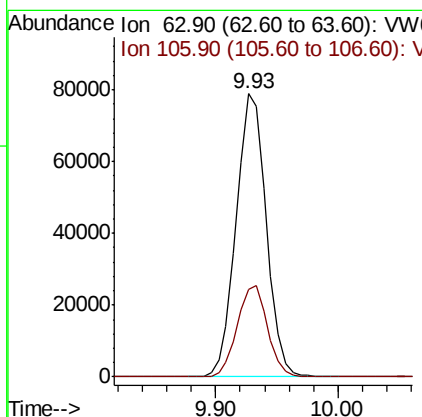
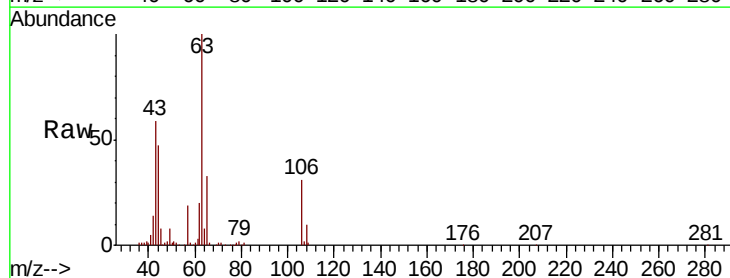
Instrument :
 MSVOA_W
 ClientSampled :

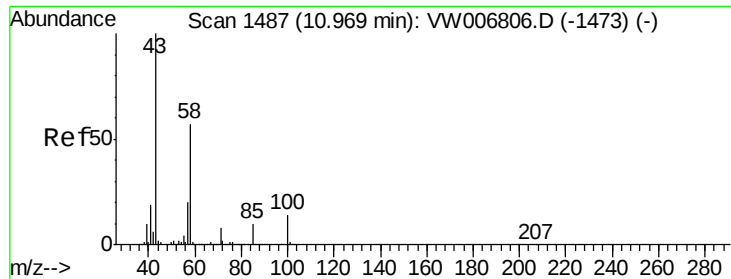
Tot Ion: 76 Resp: 78223
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.326 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006850.D
 Acq: 13 Nov 2018 13:30

Tgt Ion: 63 Resp: 134361
 Ion Ratio Lower Upper
 63 100
 106 32.4 25.4 38.0

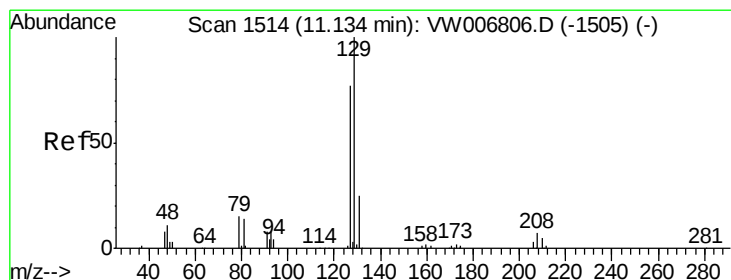
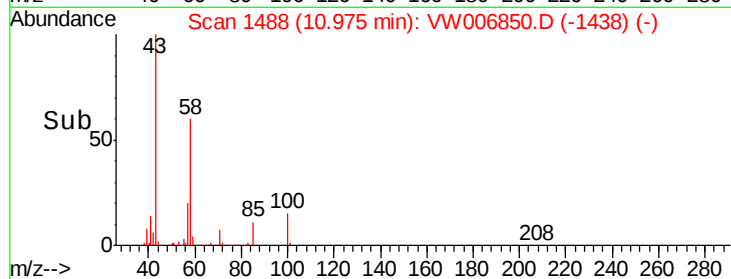
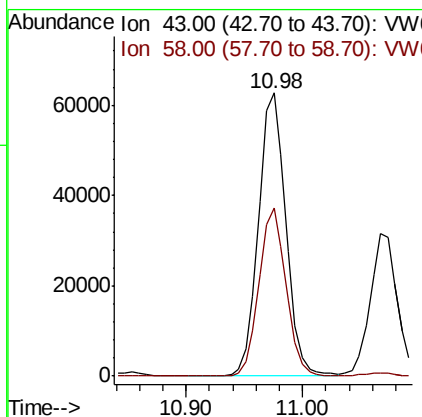
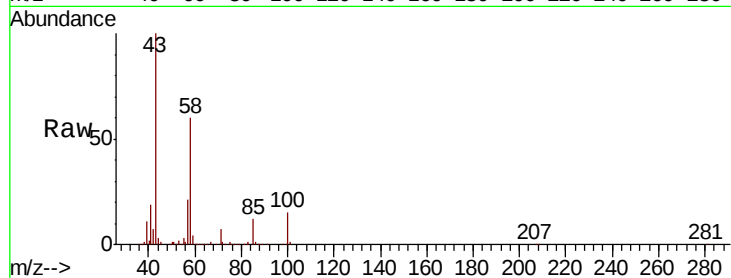




#59
2-Hexanone
Concen: 108.214 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

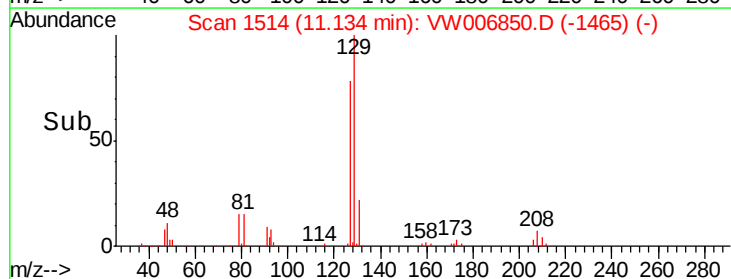
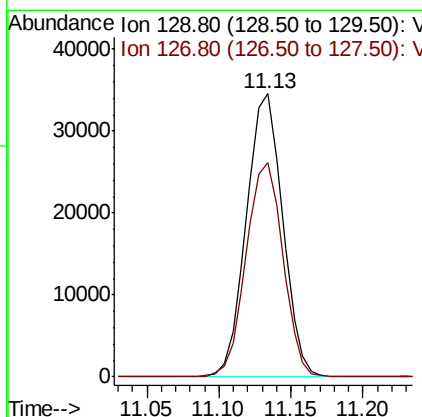
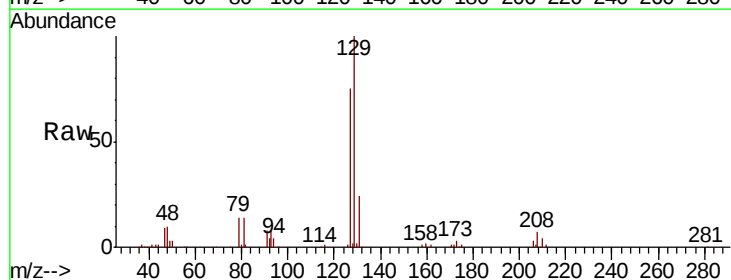
Instrument :
MSVOA_W
ClientSampleId :

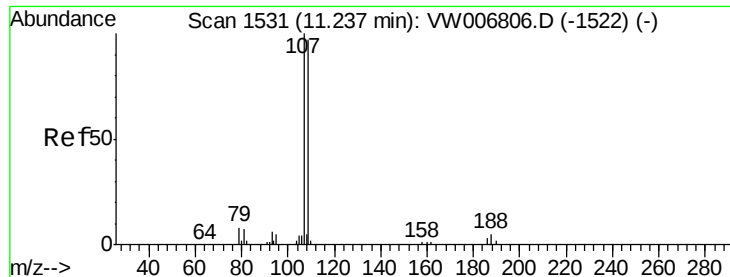
Tot Ion: 43 Resp: 103338
Ion Ratio Lower Upper
43 100
58 58.5 28.7 86.1



#60
Dibromochloromethane
Concen: 21.168 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

Tgt Ion: 129 Resp: 60198
Ion Ratio Lower Upper
129 100
127 76.8 38.7 116.1





#61

1,2-Dibromoethane

Concen: 21.530 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :

MSVOA_W

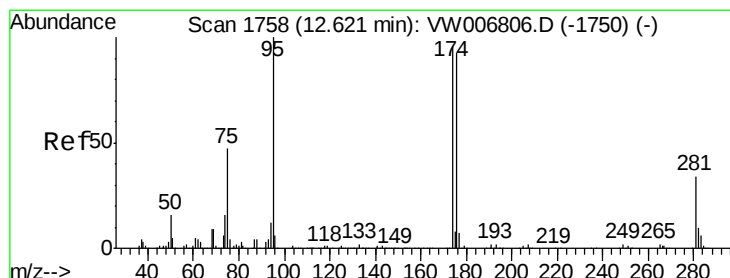
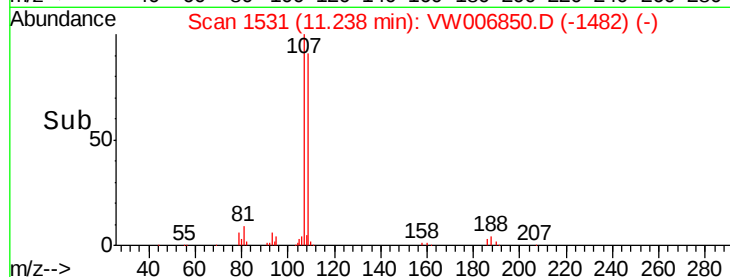
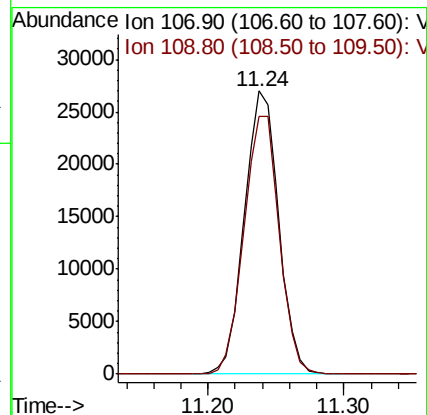
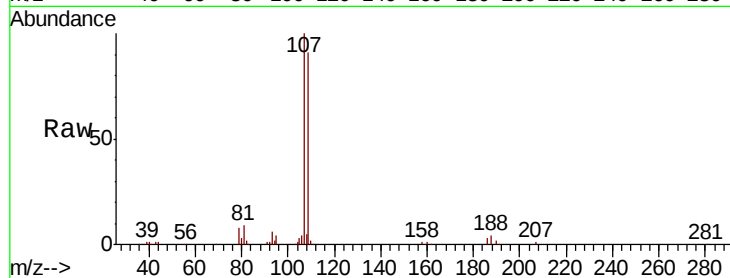
ClientSampled :

Tot Ion:107 Resp: 47522

Ion Ratio Lower Upper

107 100

109 94.4 76.7 115.1



#62

4-Bromofluorobenzene

Concen: 46.976 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

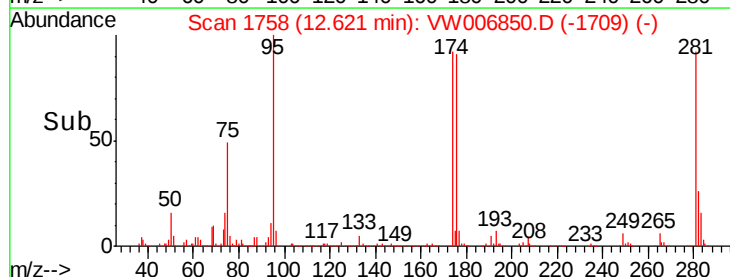
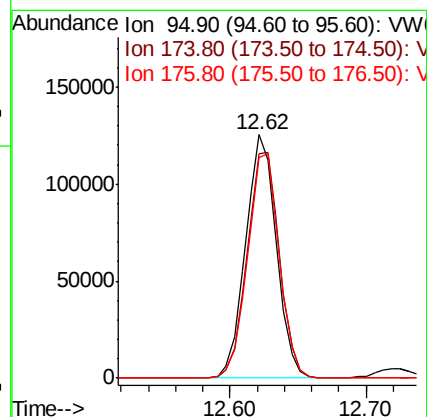
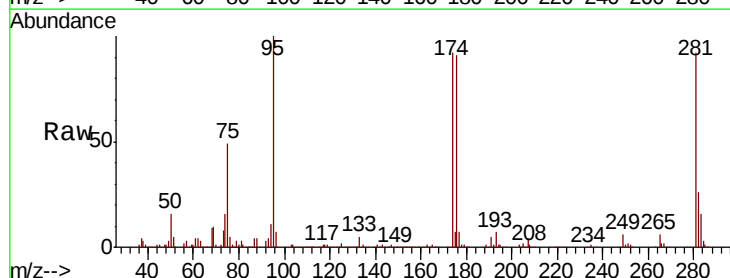
Tgt Ion: 95 Resp: 198115

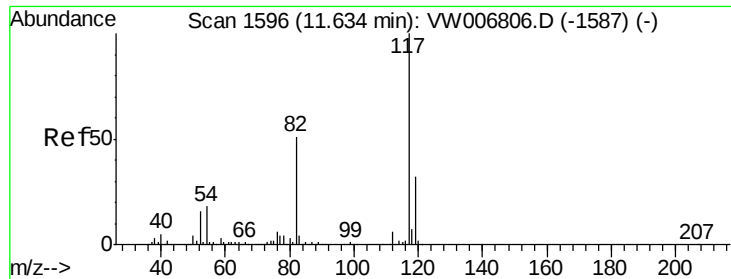
Ion Ratio Lower Upper

95 100

174 97.3 0.0 196.6

176 94.8 0.0 191.6

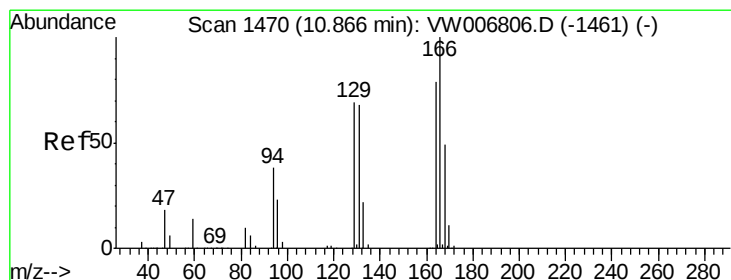
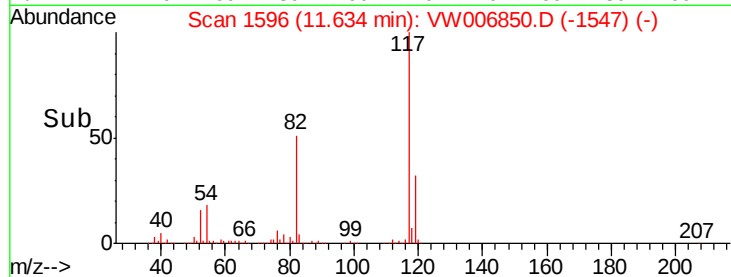
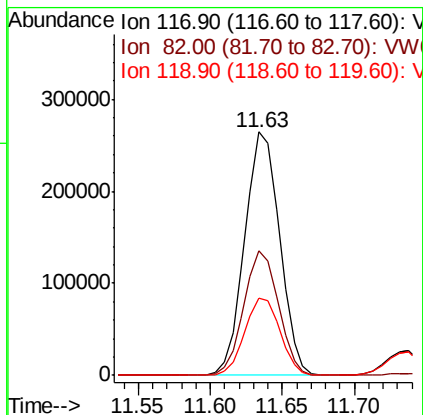
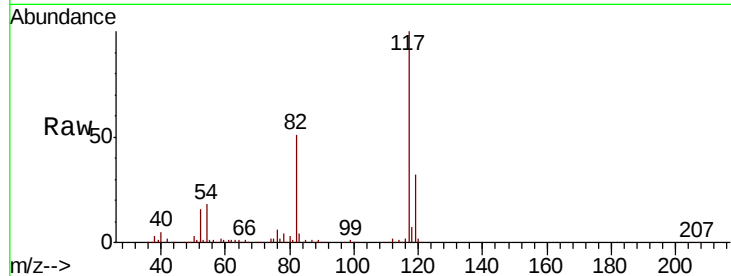




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

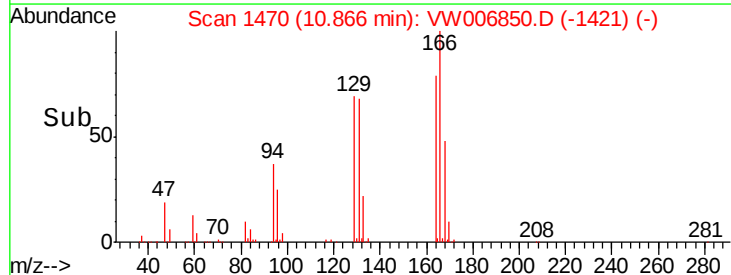
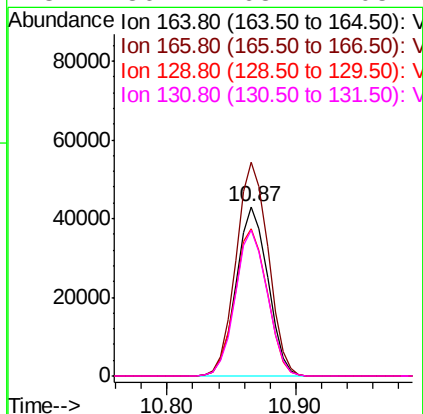
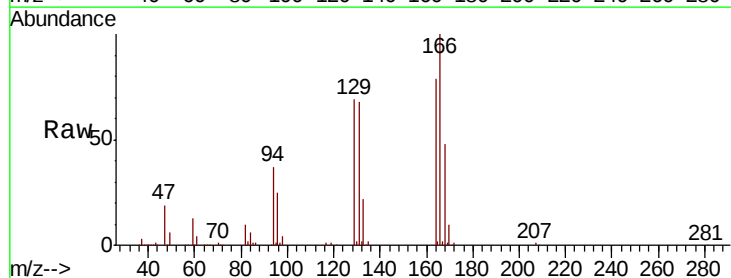
Instrument :
MSVOA_W
ClientSampleId :

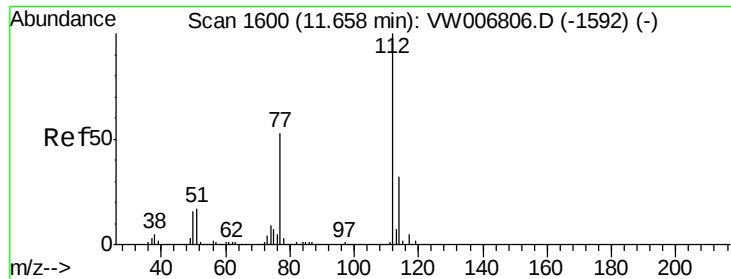
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	40.6	61.0
119	31.8	25.5	38.3



#64
Tetrachloroethene
Concen: 20.557 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.3	151.9
129	86.7	69.6	104.4
131	86.4	68.7	103.1

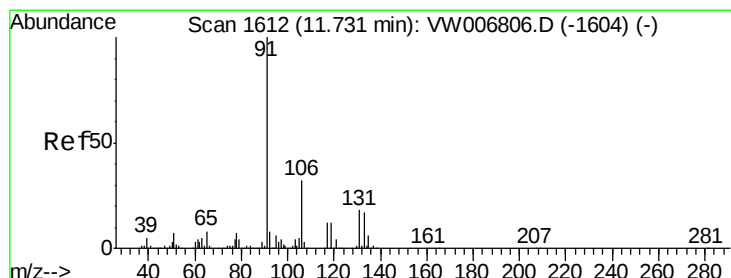
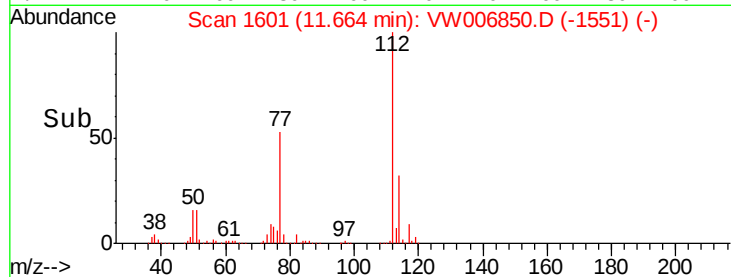
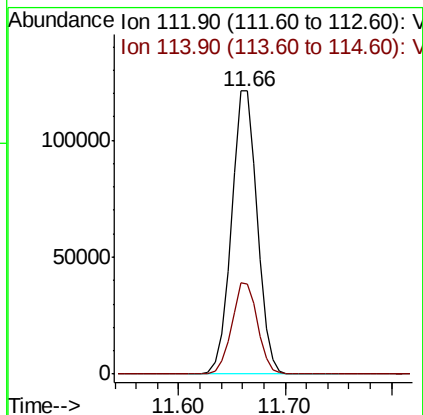
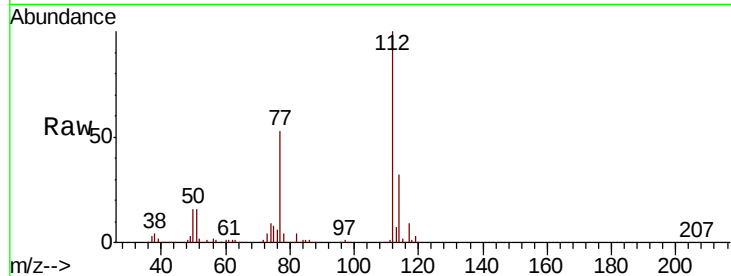




#65
Chlorobenzene
Concen: 20.841 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

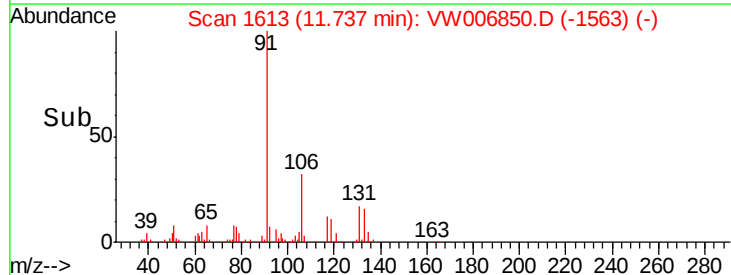
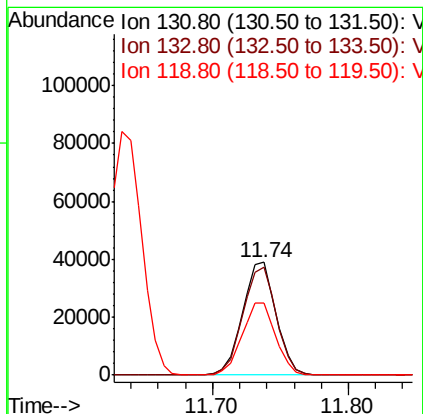
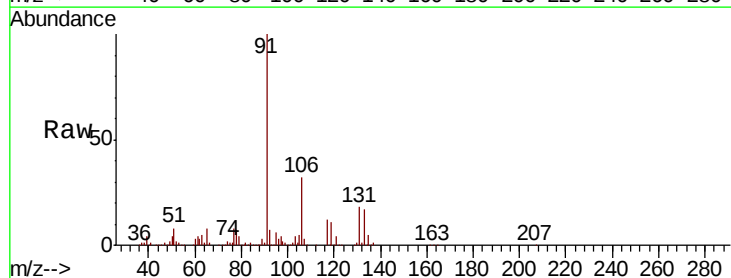
Instrument :
MSVOA_W
ClientSampled :

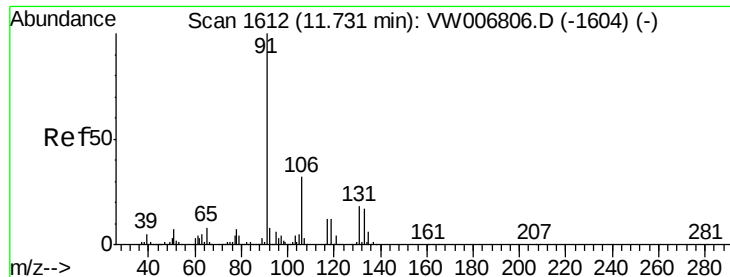
Tot Ion:112 Resp: 205805
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.835 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

Tgt Ion:131 Resp: 66762
Ion Ratio Lower Upper
131 100
133 96.4 47.9 143.8
119 64.6 32.4 97.2

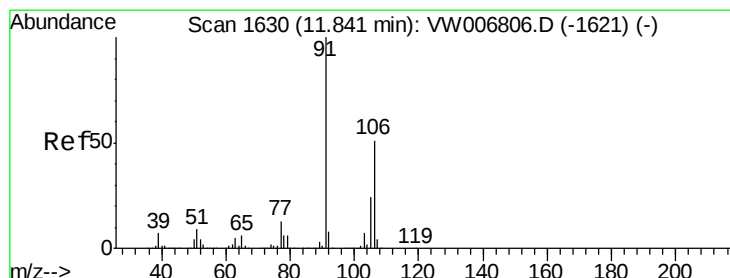
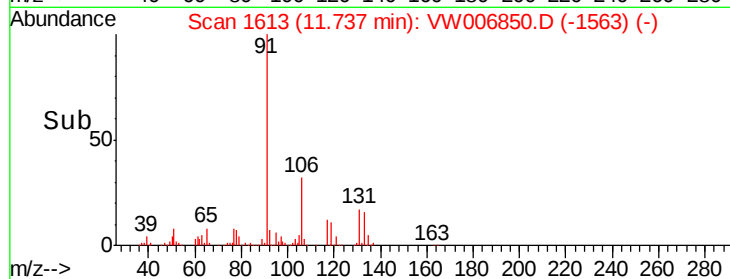
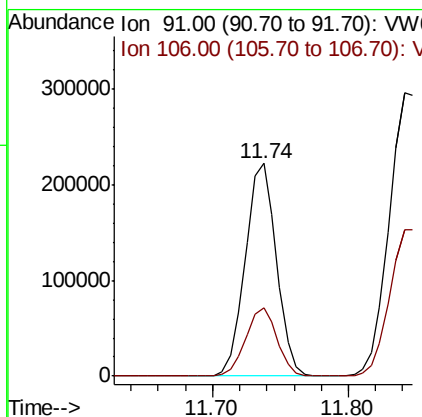
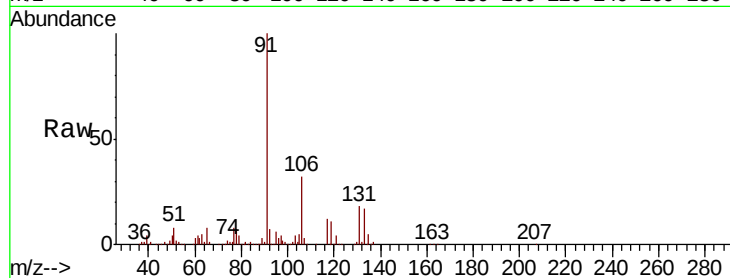




#67
Ethyl Benzene
Concen: 21.204 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

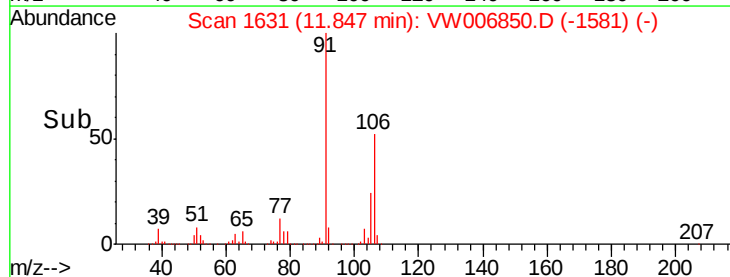
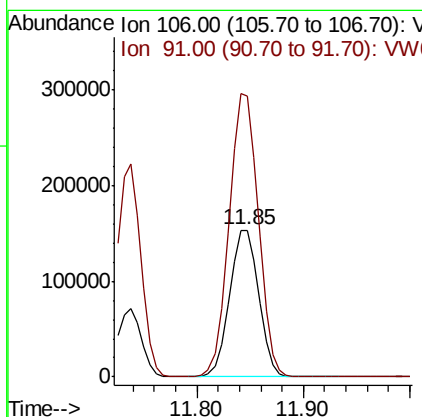
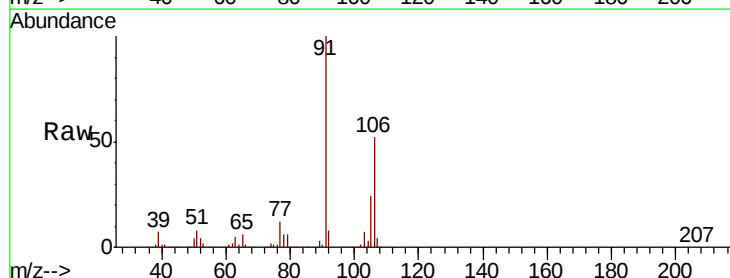
Instrument :
MSVOA_W
ClientSampled :

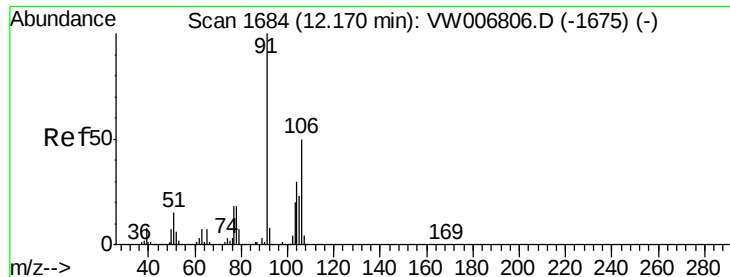
Tot Ion: 91 Resp: 356966
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.0



#68
m/p-Xylenes
Concen: 42.746 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

Tgt Ion: 106 Resp: 294429
Ion Ratio Lower Upper
106 100
91 193.6 155.7 233.5

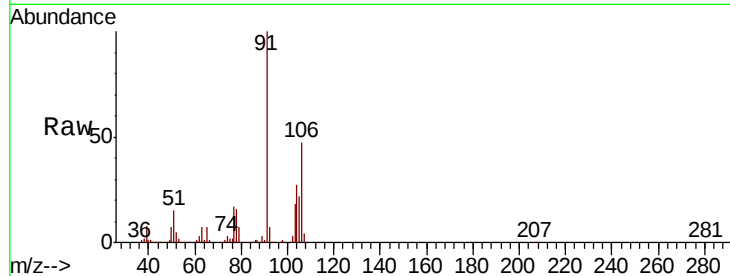




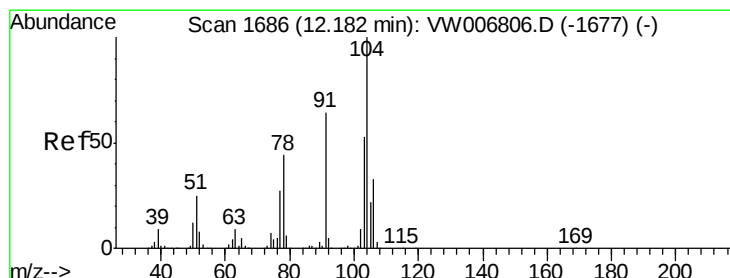
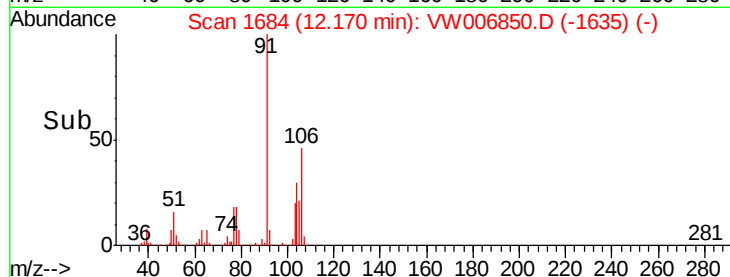
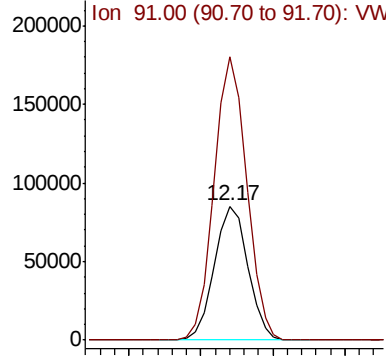
#69
o-Xylene
Concen: 21.413 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:106 Resp: 137267
Ion Ratio Lower Upper
106 100
91 206.2 101.9 305.7

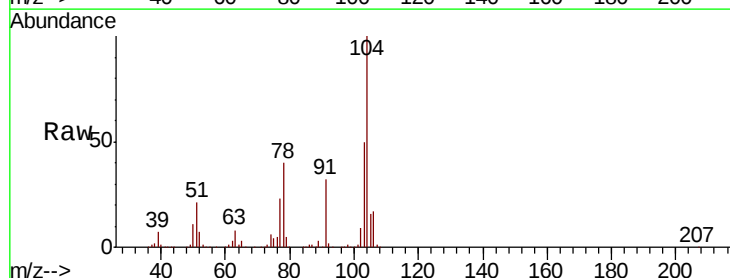


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

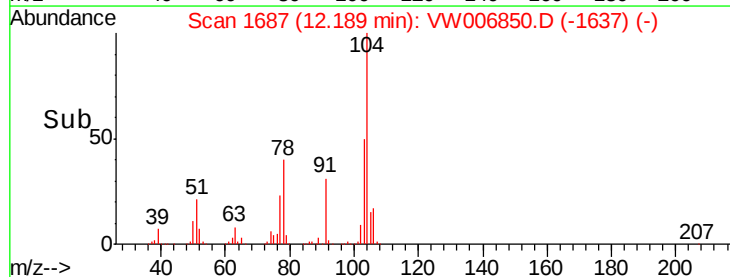
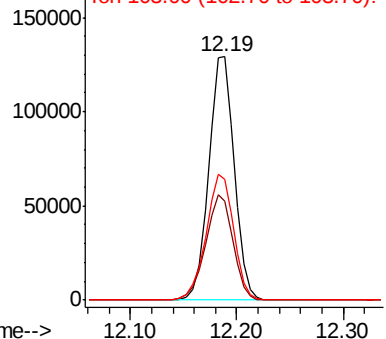


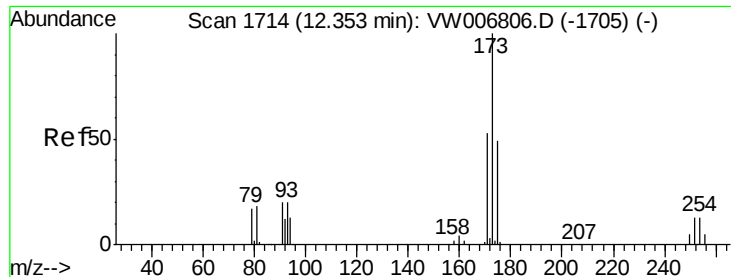
#70
Styrene
Concen: 21.183 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

Tgt Ion:104 Resp: 217346
Ion Ratio Lower Upper
104 100
78 46.1 37.3 55.9
103 55.6 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.655 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :

MSVOA_W

ClientSampleId :

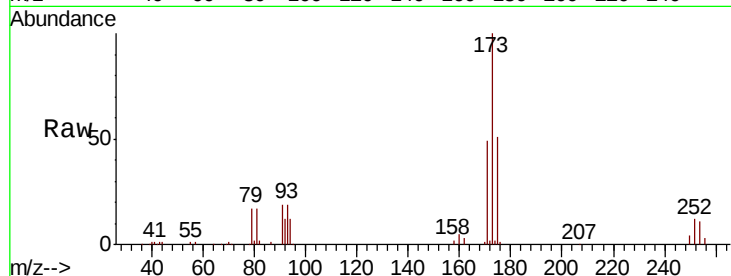
Tot Ion:173 Resp: 36120

Ion Ratio Lower Upper

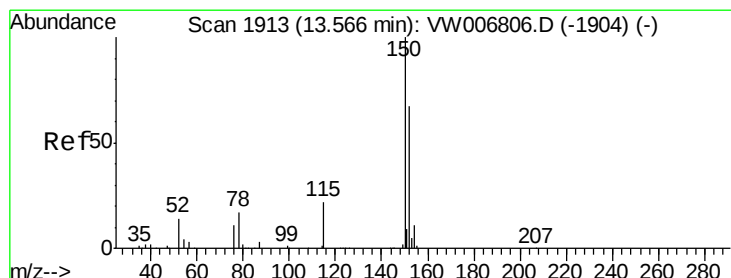
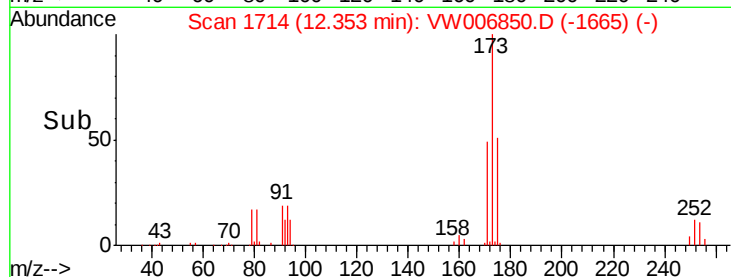
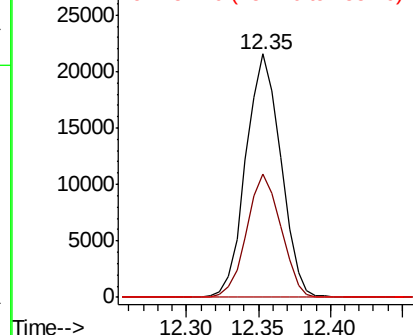
173 100

175 49.6 24.4 73.4

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

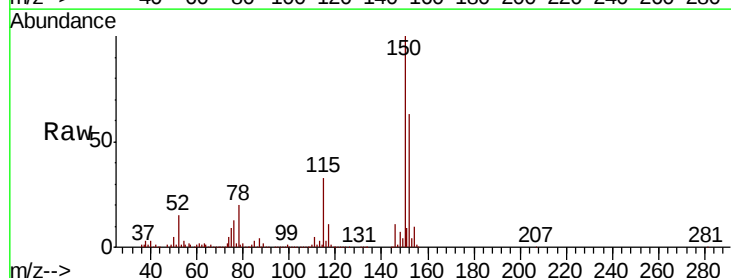
Tgt Ion:152 Resp: 257411

Ion Ratio Lower Upper

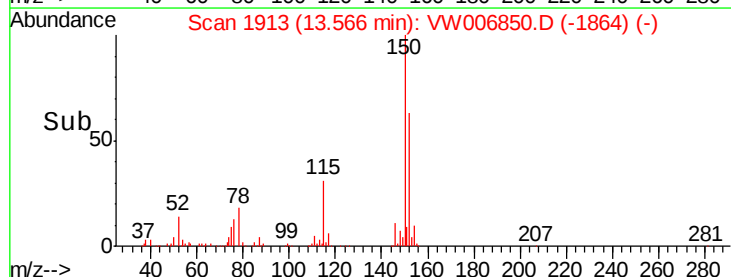
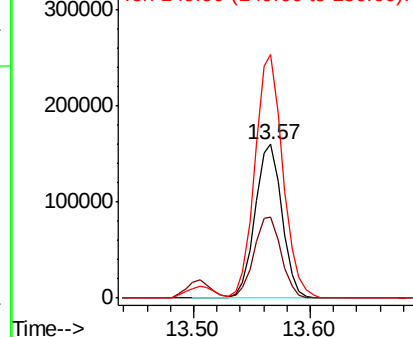
152 100

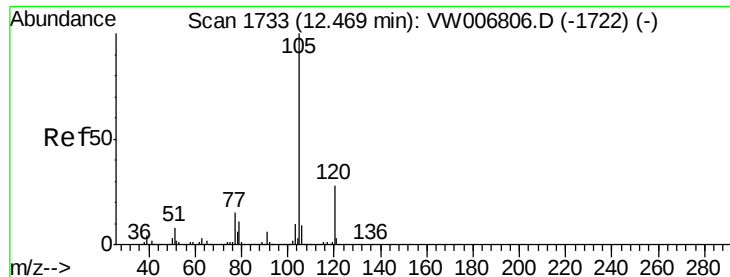
115 53.5 27.3 81.8

150 163.9 0.0 353.0



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: 20.916 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :

MSVOA_W

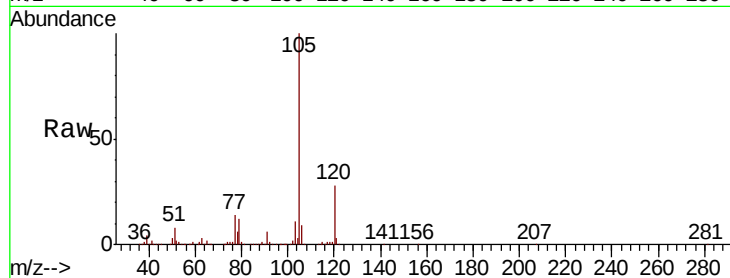
ClientSampleId :

Tot Ion: 105 Resp: 373731

Ion Ratio Lower Upper

105 100

120 27.7 14.0 42.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

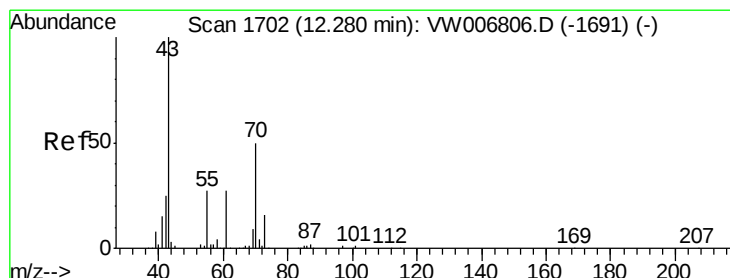
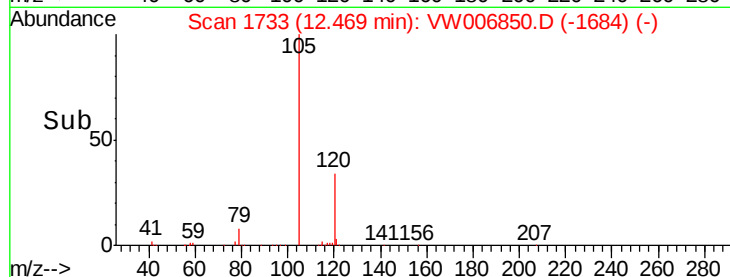
100000

50000

0

12.40 12.47 12.50 12.60

Time-->



#74

N-ethyl acetate

Concen: 21.359 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Tgt Ion: 43 Resp: 57706

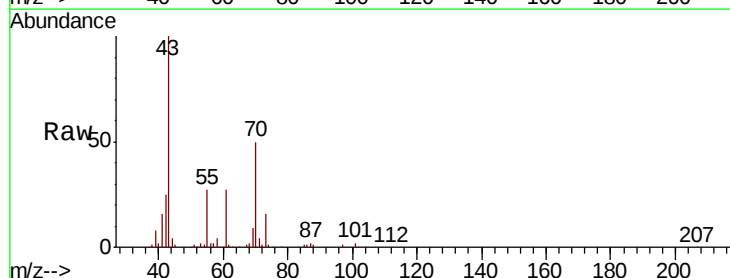
Ion Ratio Lower Upper

43 100

70 48.6 39.0 58.4

55 27.9 22.1 33.1

61 26.7 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

60000

50000

40000

30000

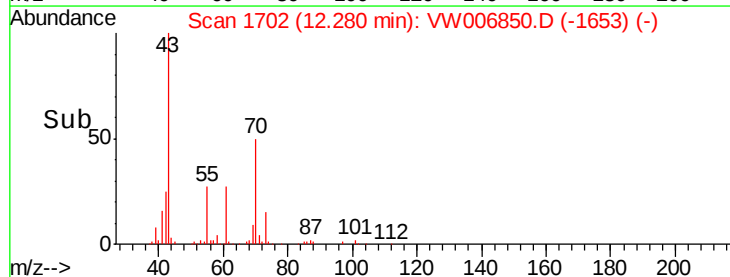
20000

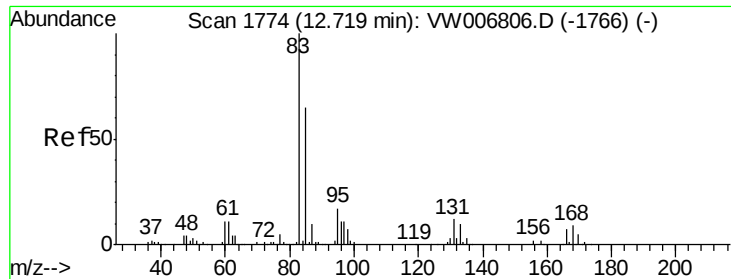
10000

0

12.20 12.25 12.28 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.770 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :

MSVOA_W

ClientSampled :

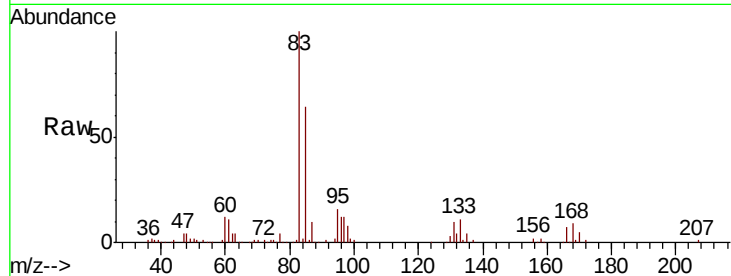
Tot Ion: 83 Resp: 51337

Ion	Ratio	Lower	Upper
83	100		
131	12.2	6.1	18.3
85	64.2	32.4	97.0

83 100

131 12.2 6.1 18.3

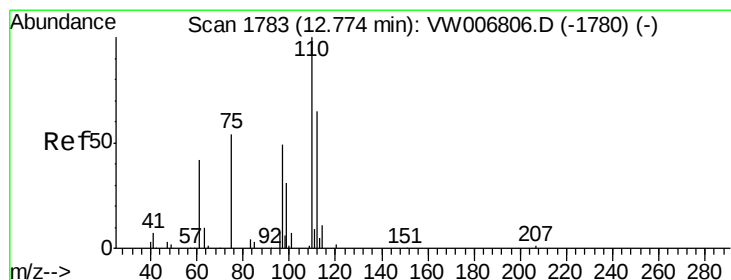
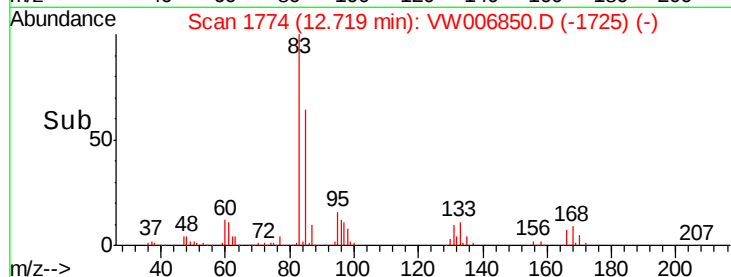
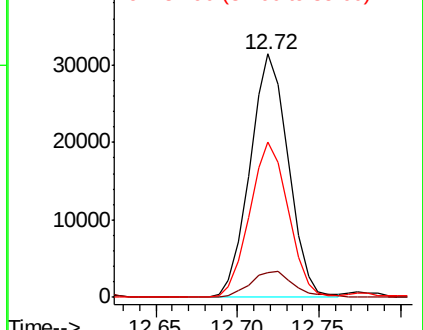
85 64.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 36.073 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006850.D

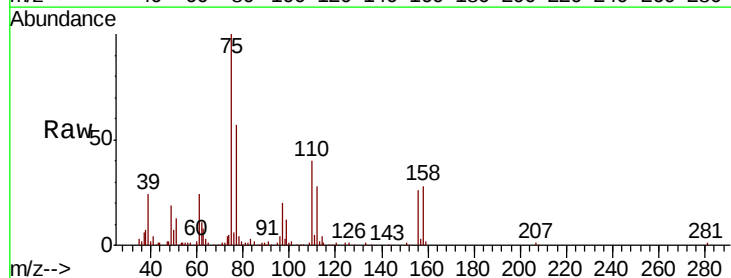
Acq: 13 Nov 2018 13:30

Tgt Ion: 75 Resp: 66918

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

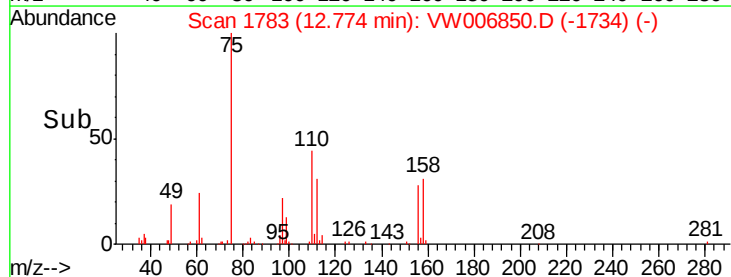
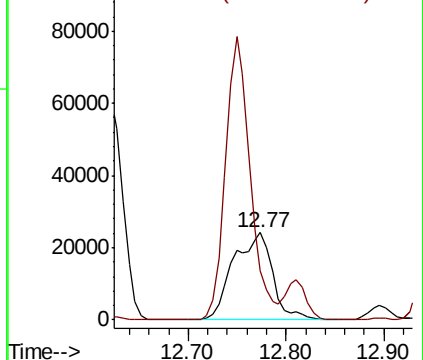
75 100

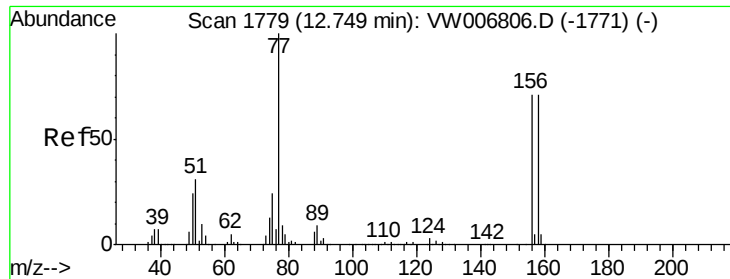
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

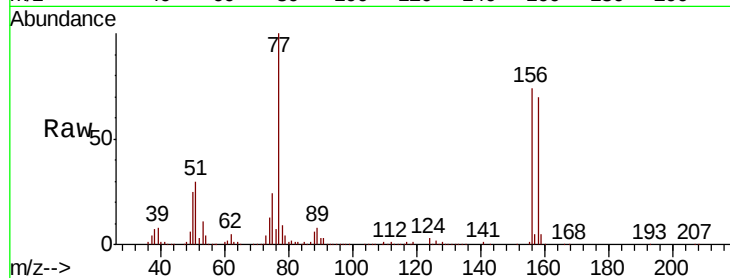




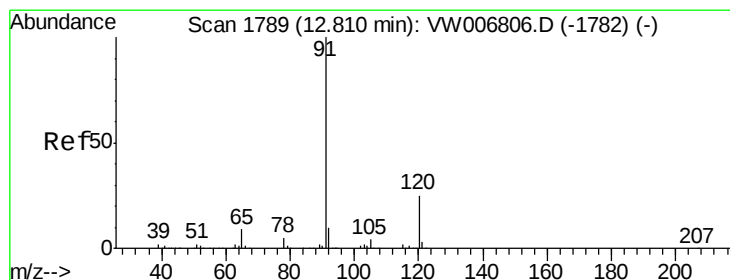
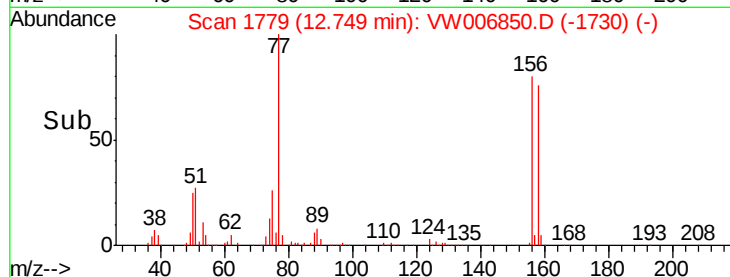
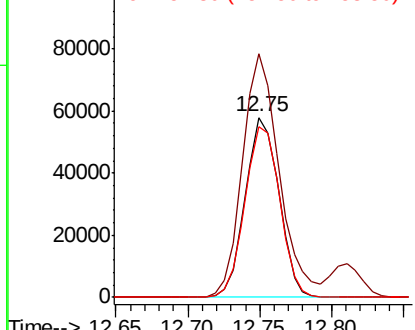
#77
Bromobenzene
Concen: 20.829 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:156 Resp: 93830
Ion Ratio Lower Upper
156 100
77 147.7 75.3 225.7
158 97.9 49.2 147.6

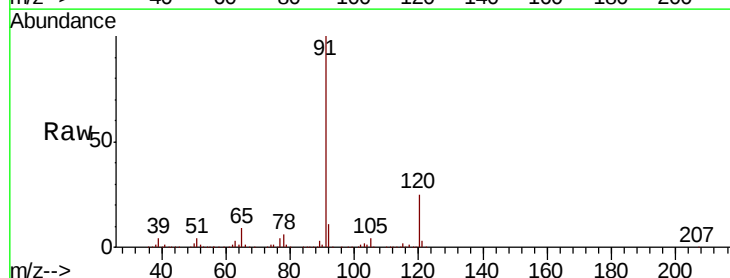


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

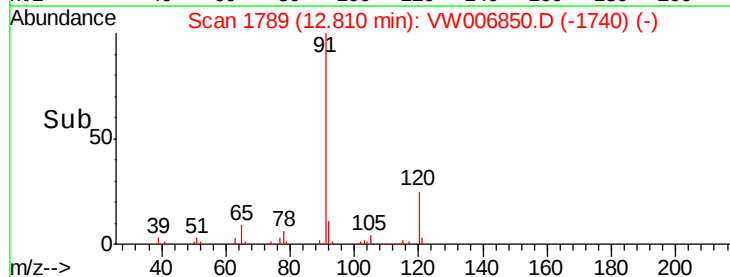
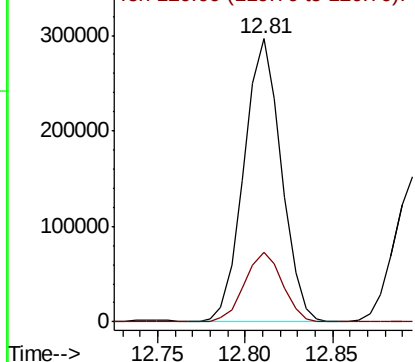


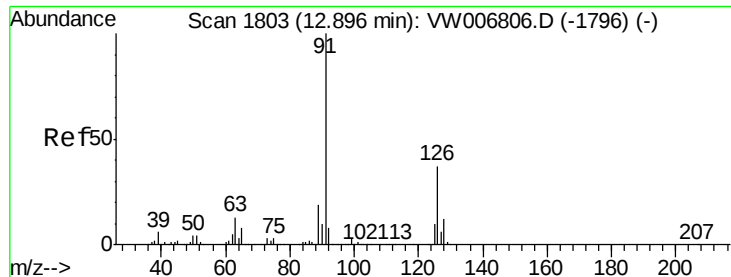
#78
n-propylbenzene
Concen: 20.910 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

Tgt Ion: 91 Resp: 440966
Ion Ratio Lower Upper
91 100
120 25.0 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.798 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :

MSVOA_W

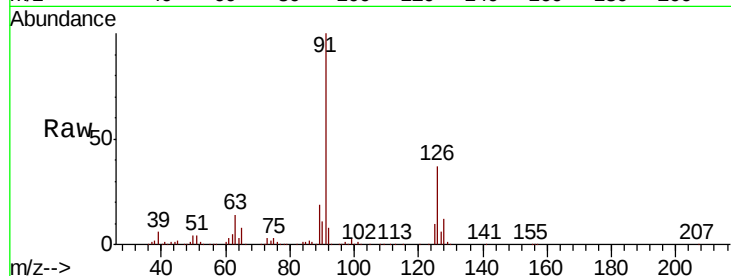
ClientSampleId :

Tot Ion: 91 Resp: 246072

Ion Ratio Lower Upper

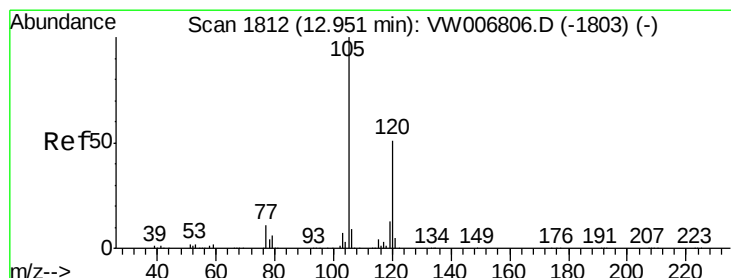
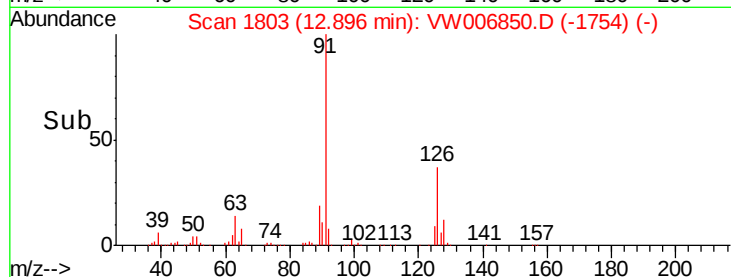
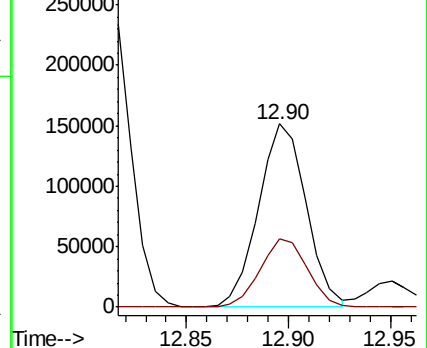
91 100

126 37.5 18.5 55.5



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: 21.200 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006850.D

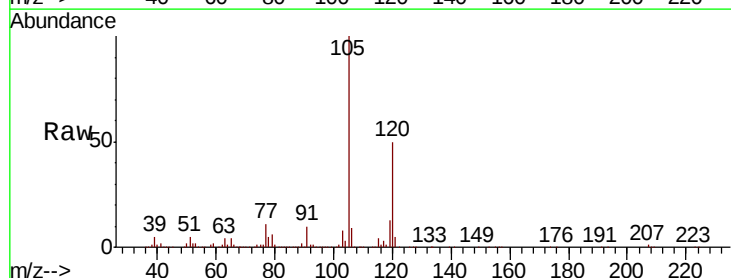
Acq: 13 Nov 2018 13:30

Tgt Ion: 105 Resp: 325631

Ion Ratio Lower Upper

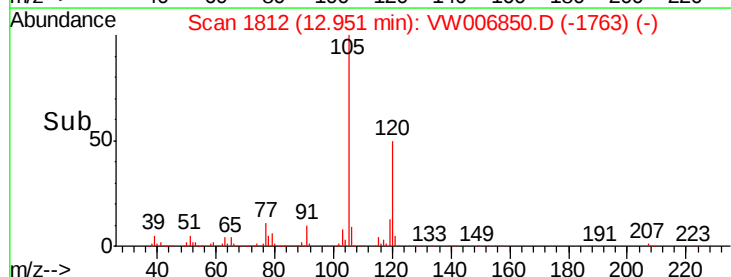
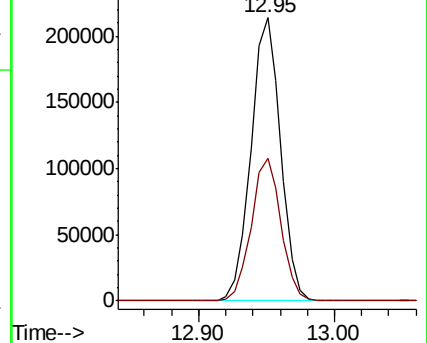
105 100

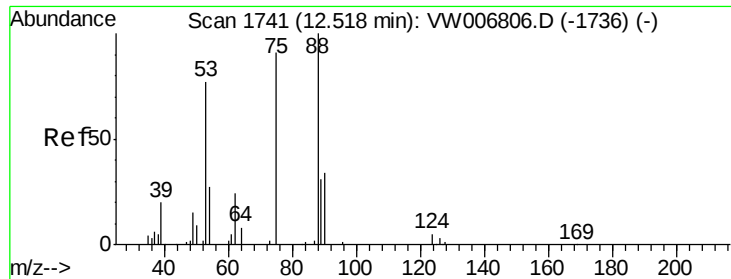
120 50.5 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

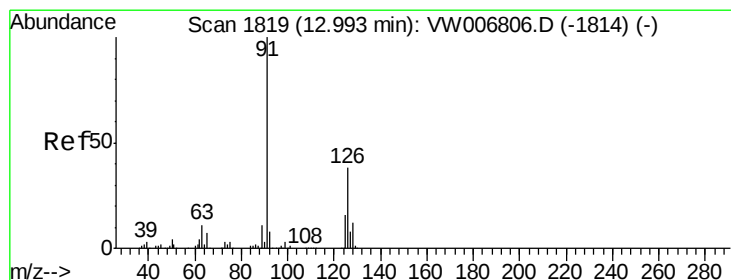
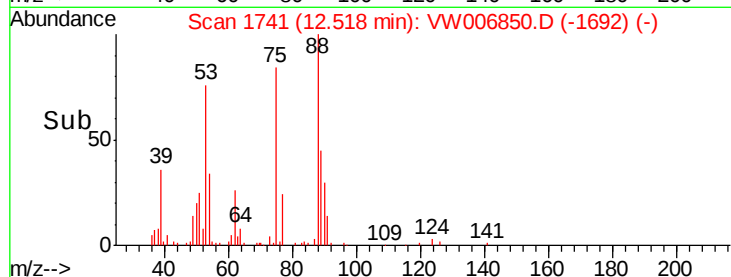
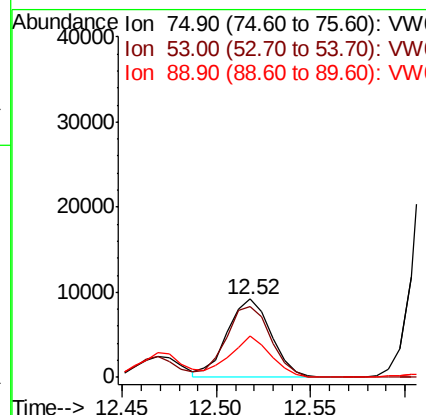
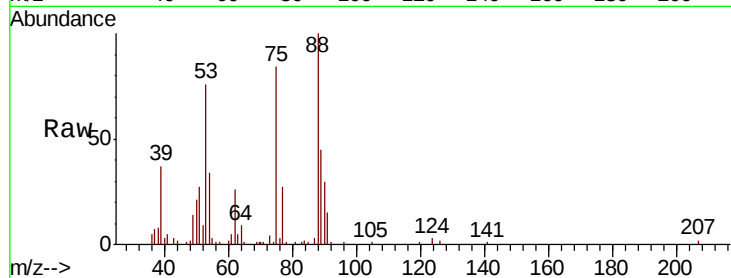




#81
trans-1,4-Dichloro-2-butene
Concen: 19.984 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

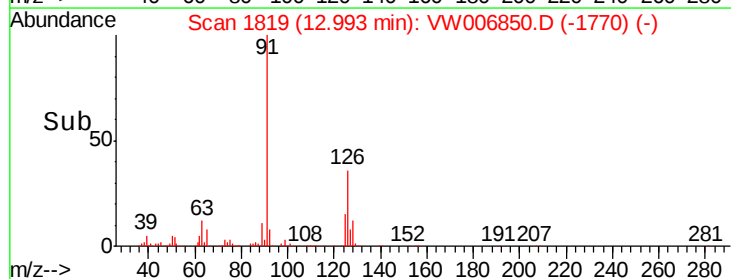
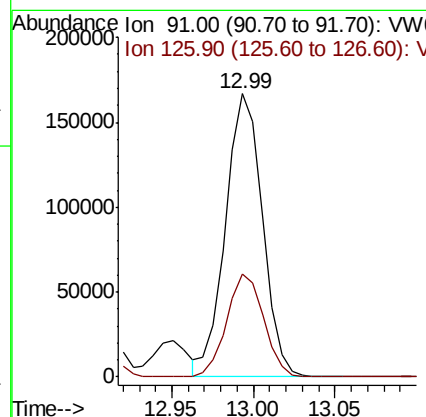
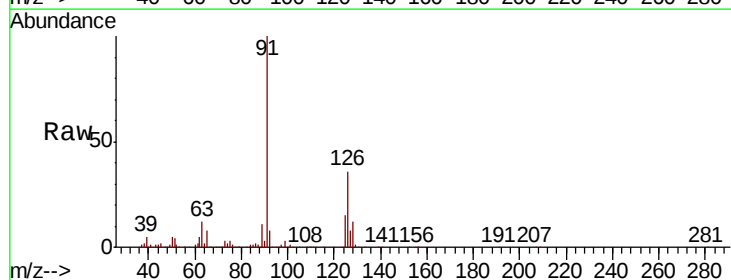
Instrument :
MSVOA_W
ClientSampleId :

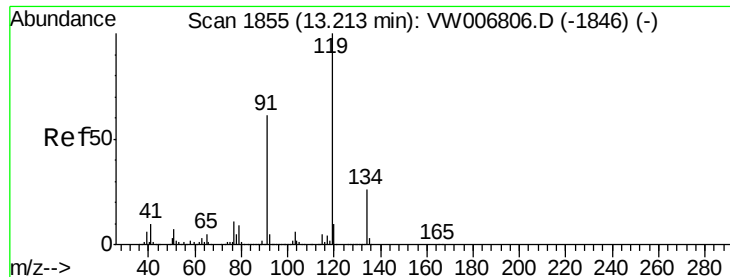
Tot Ion: 75 Resp: 14987
Ion Ratio Lower Upper
75 100
53 92.2 72.9 109.3
89 48.4 38.7 58.1



#82
4-Chlorotoluene
Concen: 20.789 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

Tgt Ion: 91 Resp: 262428
Ion Ratio Lower Upper
91 100
126 36.3 18.4 55.2





#83

tert-Butylbenzene

Concen: 20.989 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :

MSVOA_W

ClientSampled :

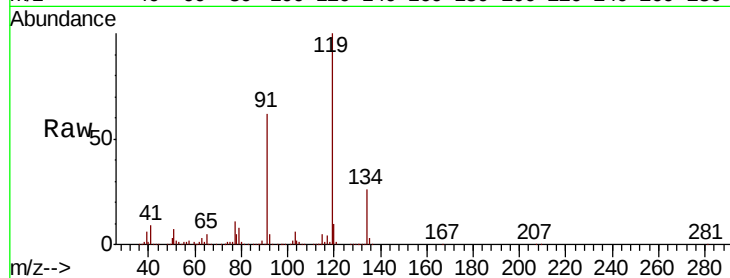
Tot Ion:119 Resp: 284978

Ion Ratio Lower Upper

119 100

91 61.0 30.0 90.1

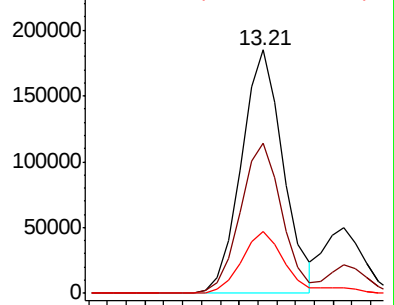
134 27.2 13.4 40.2



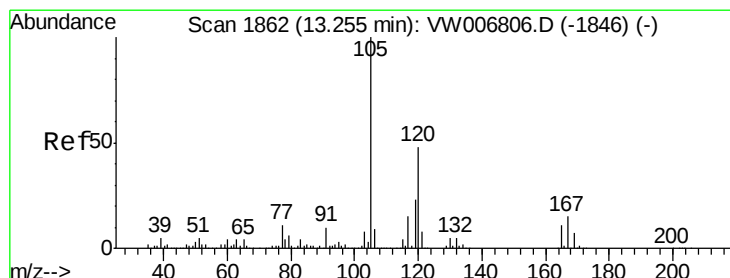
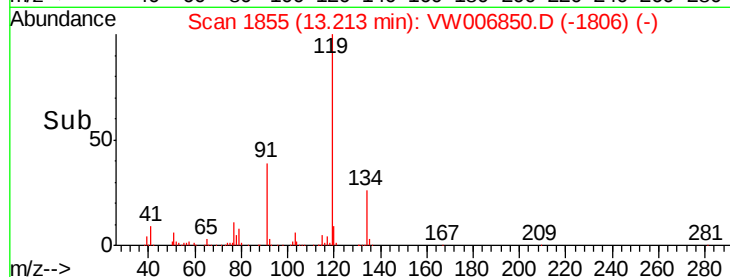
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 20.944 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW006850.D

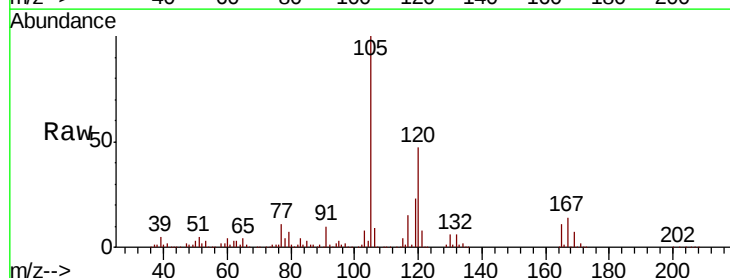
Acq: 13 Nov 2018 13:30

Tgt Ion:105 Resp: 327386

Ion Ratio Lower Upper

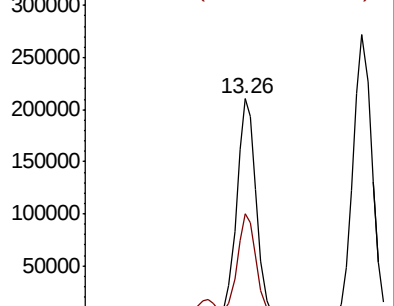
105 100

120 46.4 23.4 70.0

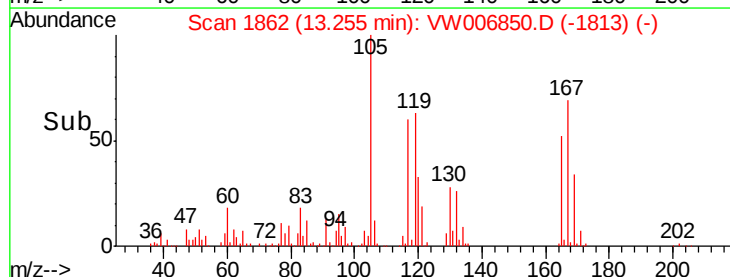


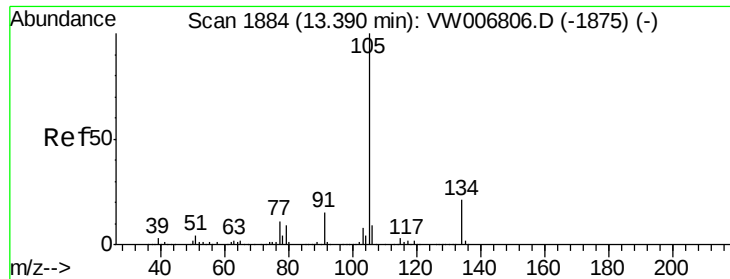
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#85

sec-Butylbenzene

Concen: 20.982 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :

MSVOA_W

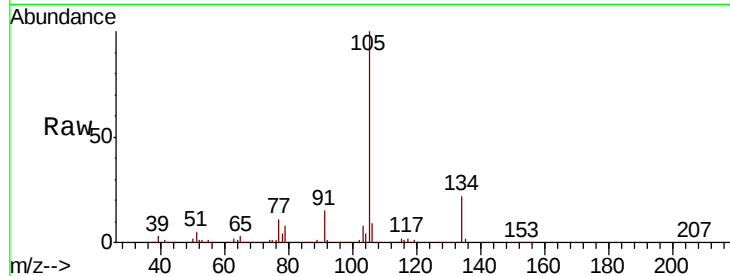
ClientSampleId :

Tot Ion:105 Resp: 403694

Ion Ratio Lower Upper

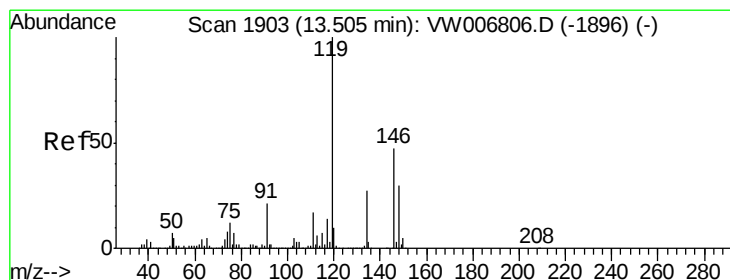
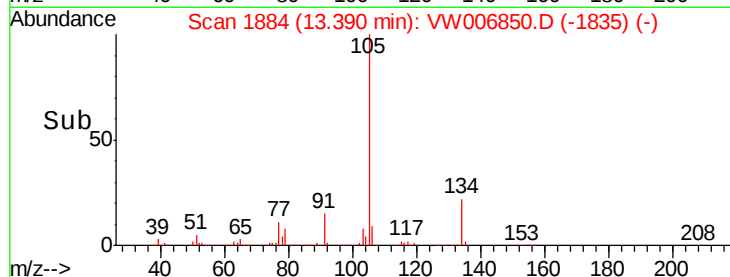
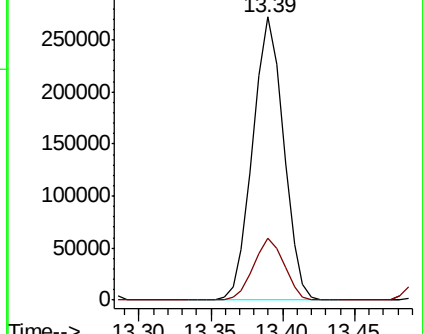
105 100

134 21.7 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.029 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

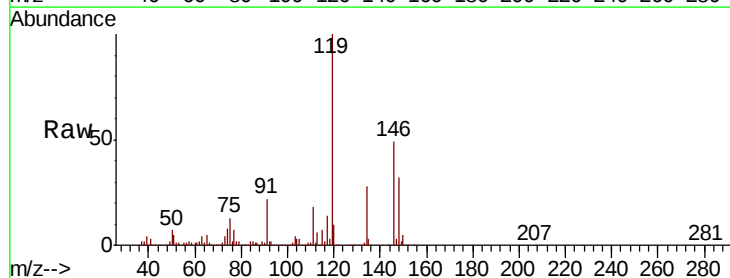
Tgt Ion:119 Resp: 368018

Ion Ratio Lower Upper

119 100

134 27.4 13.5 40.4

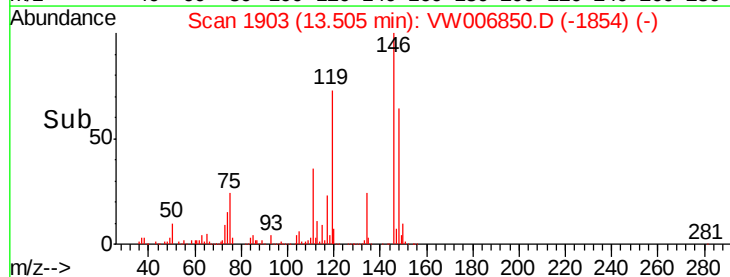
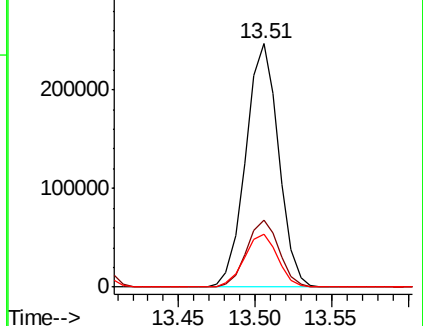
91 22.1 10.8 32.4

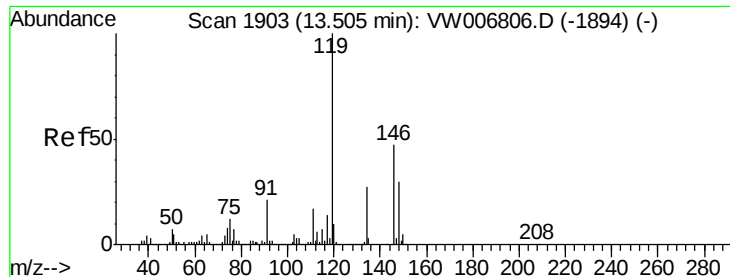


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

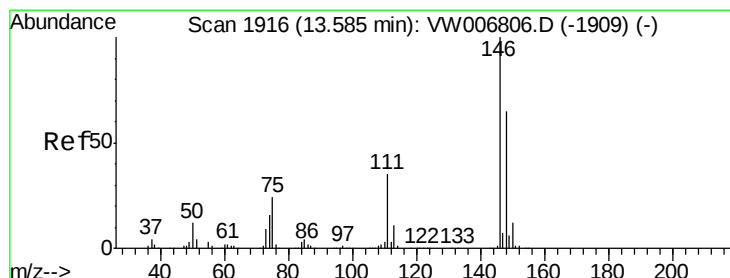
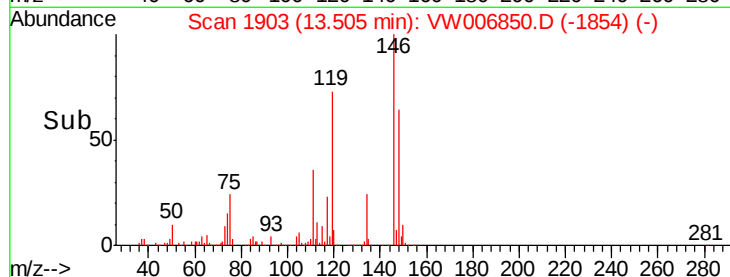
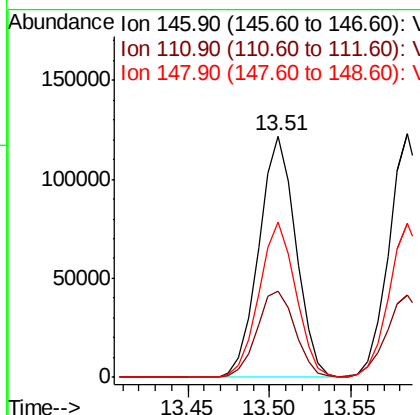
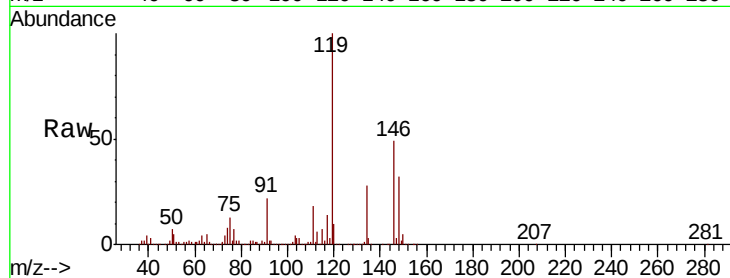




#87
 1,3-Dichlorobenzene
 Concen: 20.777 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006850.D
 Acq: 13 Nov 2018 13:30

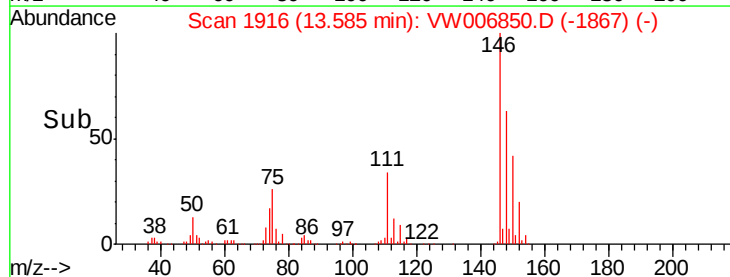
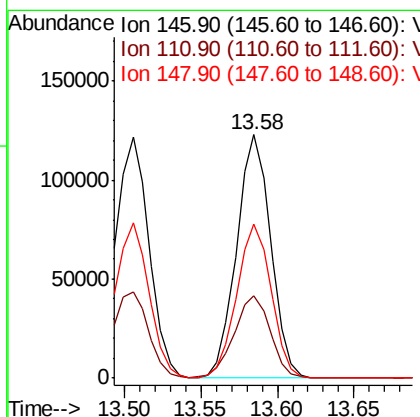
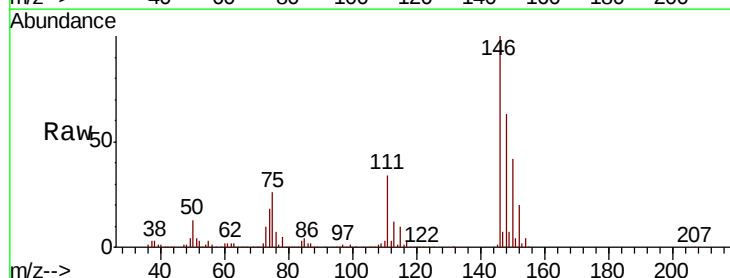
Instrument :
 MSVOA_W
 ClientSampleId :

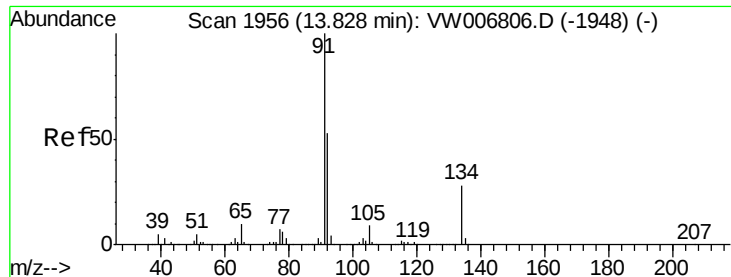
Tot Ion:146 Resp: 190761
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.3 54.9
 148 63.8 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 20.954 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006850.D
 Acq: 13 Nov 2018 13:30

Tgt Ion:146 Resp: 190337
 Ion Ratio Lower Upper
 146 100
 111 36.0 17.8 53.3
 148 64.5 32.0 96.0





#89

n-Butylbenzene

Concen: 20.840 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006850.D

Acq: 13 Nov 2018 13:30

Instrument :

MSVOA_W

ClientSampleId :

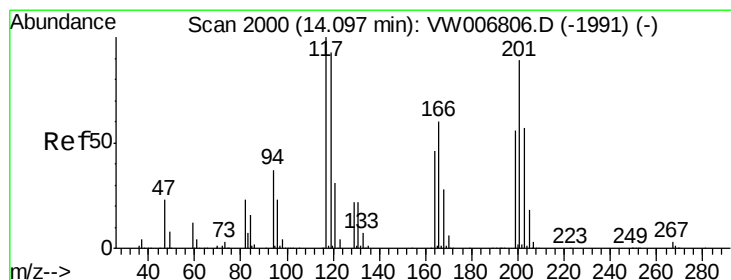
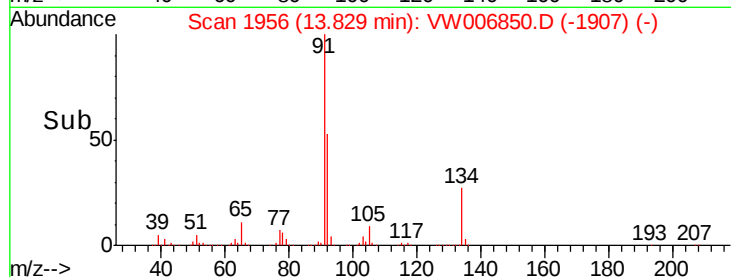
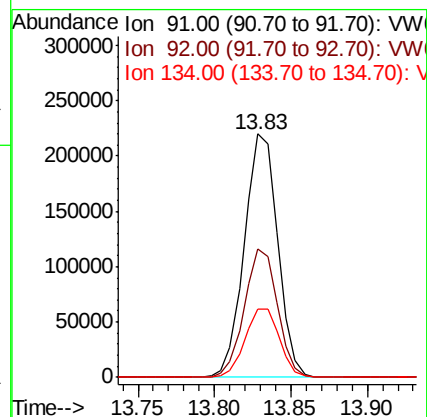
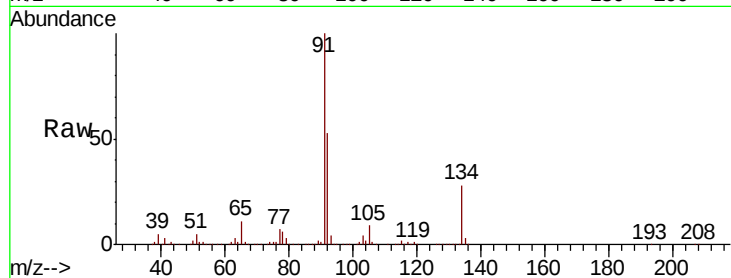
Tot Ion: 91 Resp: 333307

Ion Ratio Lower Upper

91 100

92 52.3 26.5 79.4

134 29.0 14.4 43.2



#90

Hexachloroethane

Concen: 19.666 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW006850.D

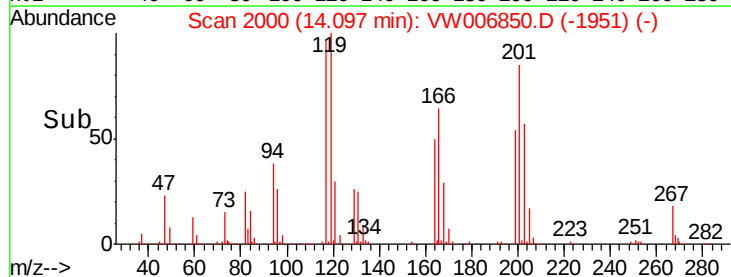
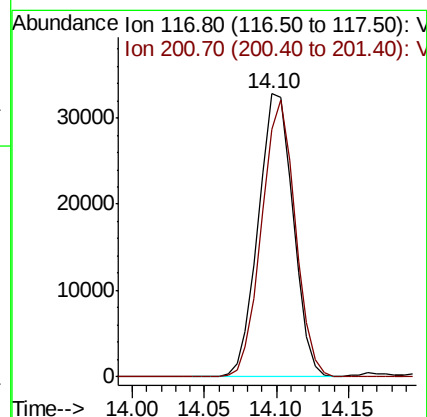
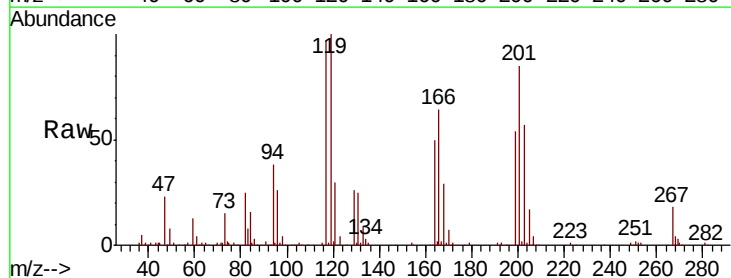
Acq: 13 Nov 2018 13:30

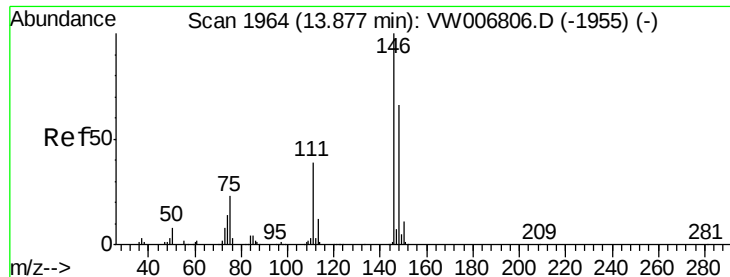
Tgt Ion: 117 Resp: 55071

Ion Ratio Lower Upper

117 100

201 93.8 46.9 140.6

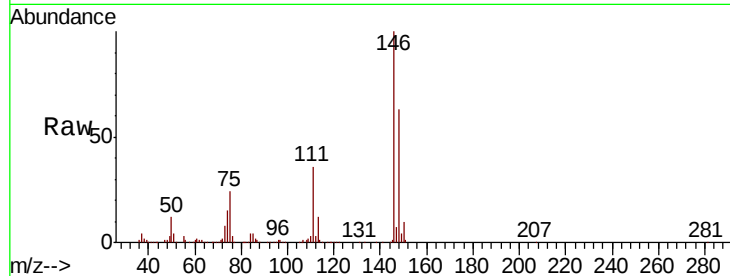




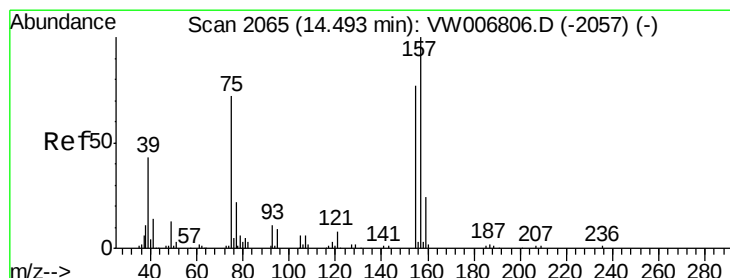
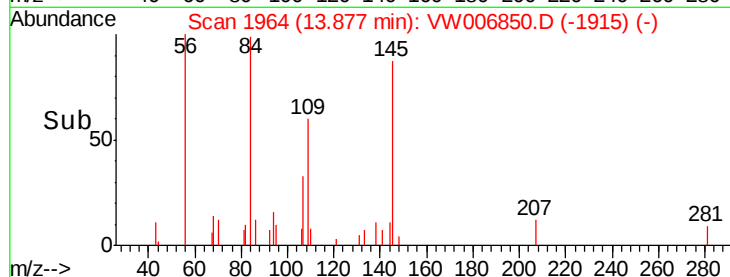
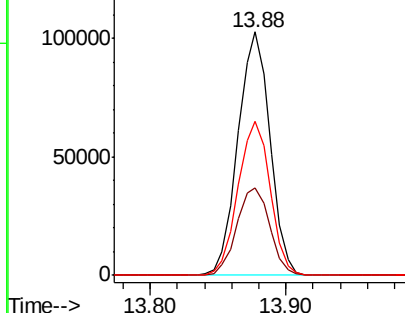
#91
 1,2-Dichlorobenzene
 Concen: 21.130 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006850.D
 Acq: 13 Nov 2018 13:30

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.3	57.8
148	63.6	32.4	97.2

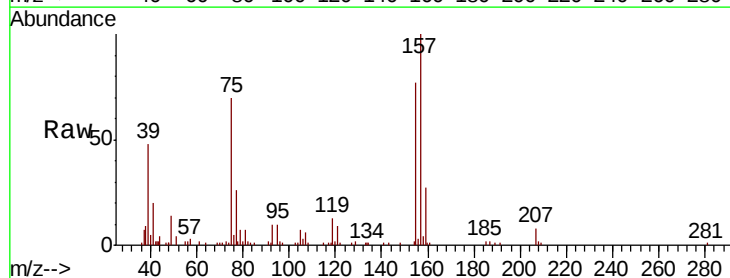


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

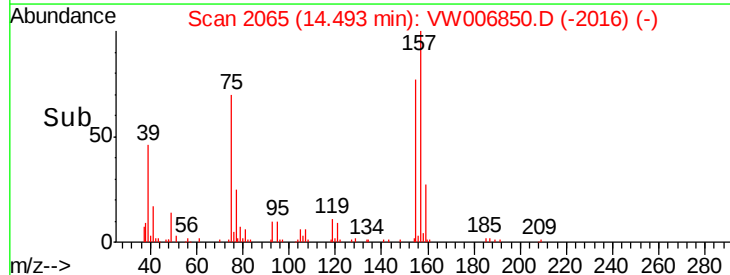
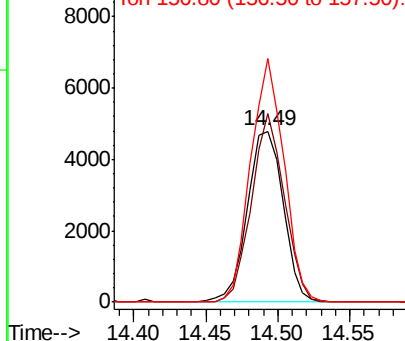


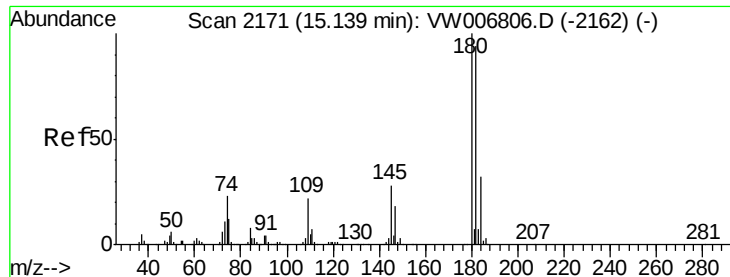
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.843 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006850.D
 Acq: 13 Nov 2018 13:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.3	51.0	153.1
157	131.8	67.4	202.2



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

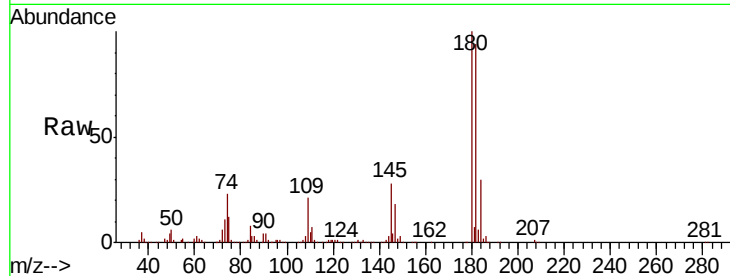




#93
 1,2,4-Trichlorobenzene
 Concen: 21.149 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006850.D
 Acq: 13 Nov 2018 13:30

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.5	142.5
145	28.5	14.0	41.9

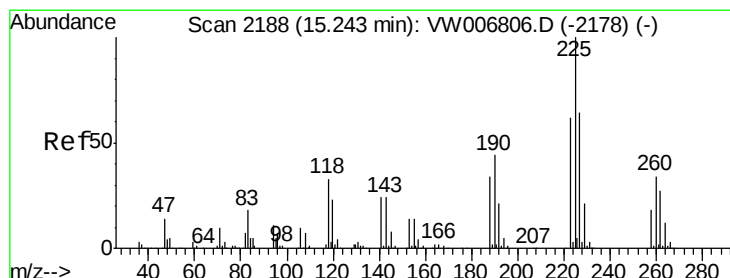
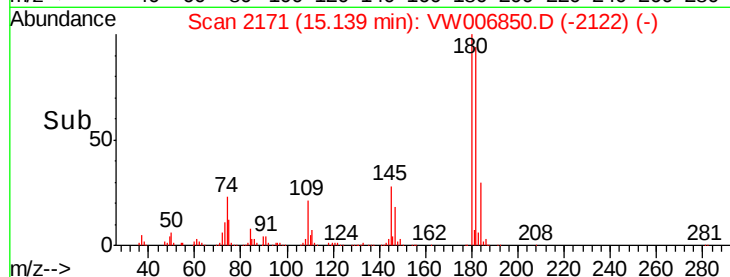
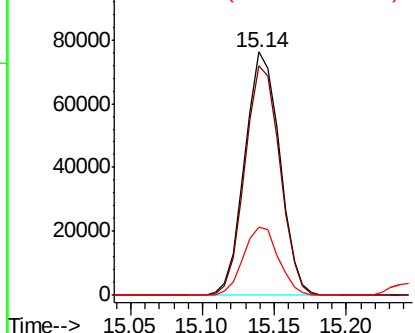


Abundance

Ion 179.80 (179.50 to 180.50): V

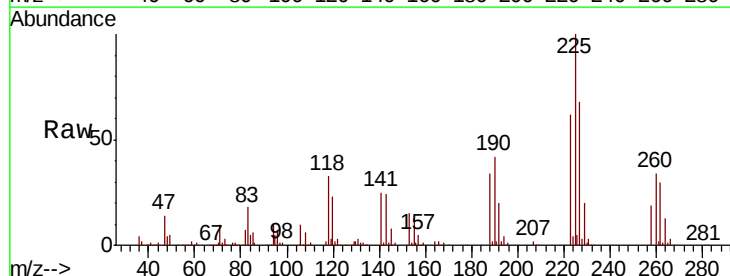
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.942 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006850.D
 Acq: 13 Nov 2018 13:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.2	93.6
227	64.4	32.3	96.9

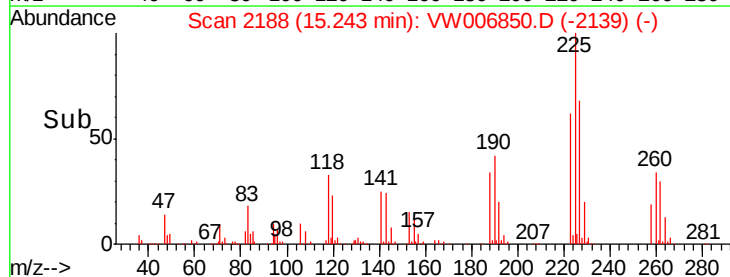
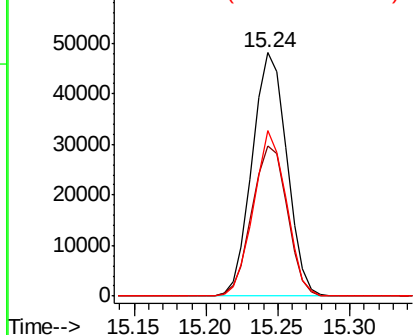


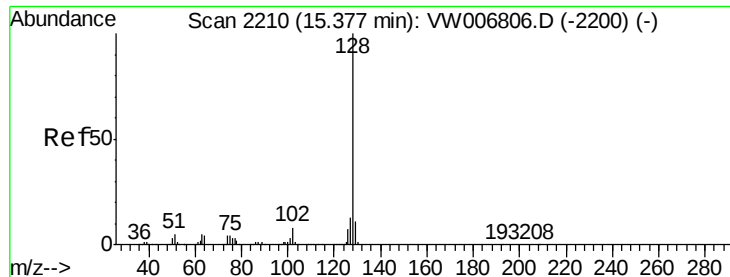
Abundance

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

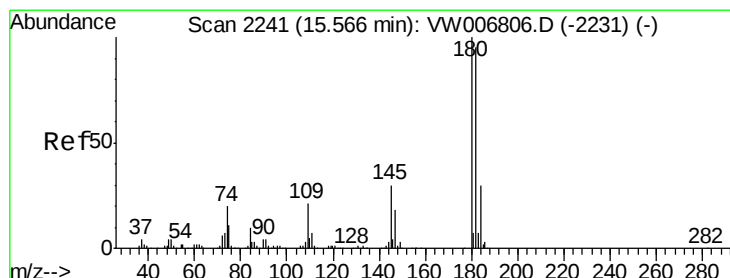
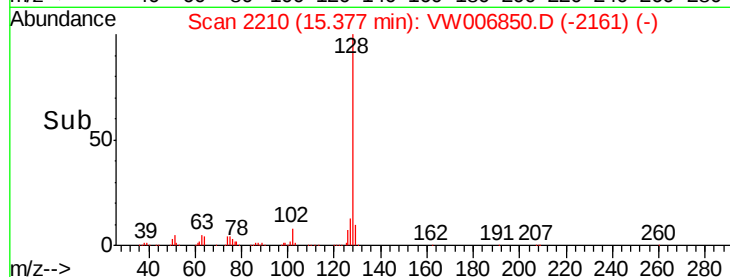
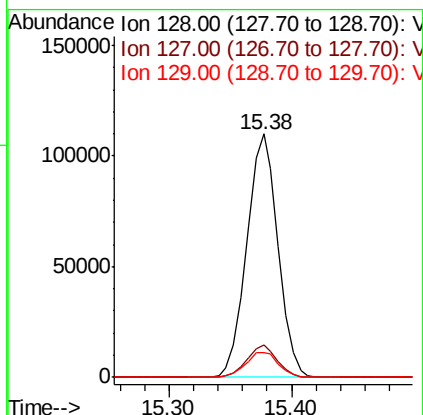
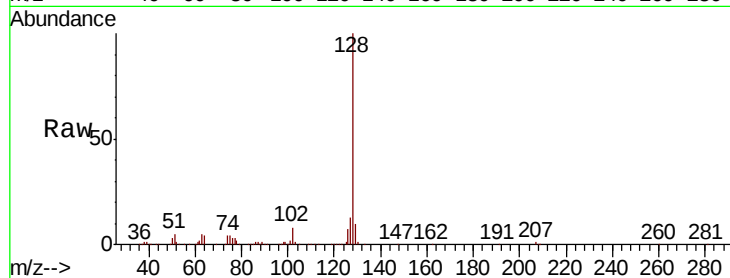




#95
Naphthalene
Concen: 21.519 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 20.656 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006850.D
Acq: 13 Nov 2018 13:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.6
145	30.0	15.2	45.5

