

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112018\
 Data File : VW006956.D
 Acq On : 19 Nov 2018 21:25
 Operator : SY/AP
 Sample : J5981-03MS
 Misc : 4.26G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DTW-02(11-13)MS

Quant Time: Nov 20 04:35:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 04:45:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	69848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	111489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	97782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	36746	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	39844	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
35) Dibromofluoromethane	7.89	113	34705	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
50) Toluene-d8	10.32	98	149833	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
62) 4-Bromofluorobenzene	12.62	95	50032	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.00	85	31136	46.560	ug/l 98
3) Chloromethane	2.21	50	30758	51.093	ug/l 98
4) Vinyl Chloride	2.36	62	23819	41.739	ug/l 96
5) Bromomethane	2.78	94	16413	53.544	ug/l 98
6) Chloroethane	2.92	64	15236	48.480	ug/l 97
7) Trichlorofluoromethane	3.26	101	53516	48.183	ug/l 98
8) Diethyl Ether	3.69	74	21633	53.824	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	33062	46.094	ug/l 97
10) Methyl Iodide	4.28	142	33996	39.111	ug/l 98
11) Tert butyl alcohol	5.21	59	14044	237.151	ug/l 97
12) 1,1-Dichloroethene	4.04	96	26880	41.770	ug/l 97
13) Acrolein	3.90	56	13120	244.332	ug/l 99
14) Allyl chloride	4.67	41	45131	39.866	ug/l 98
15) Acrylonitrile	5.38	53	41651	266.262	ug/l 99
16) Acetone	4.14	43	36254	304.488	ug/l 99
17) Carbon Disulfide	4.39	76	44082	21.653	ug/l 100
18) Methyl Acetate	4.68	43	30570	70.159	ug/l 98
19) Methyl tert-butyl Ether	5.43	73	111159	58.924	ug/l 98
20) Methylene Chloride	4.92	84	41408	50.533	ug/l 94
21) trans-1,2-Dichloroethene	5.43	96	24585	32.026	ug/l 97
22) Diisopropyl ether	6.32	45	125567	54.341	ug/l 99
23) Vinyl Acetate	6.26	43	290426	226.970	ug/l 100
24) 1,1-Dichloroethane	6.22	63	65695	49.374	ug/l 100
25) 2-Butanone	7.18	43	59318	299.979	ug/l 100
26) 2,2-Dichloropropane	7.17	77	57639	49.648	ug/l 100
27) cis-1,2-Dichloroethene	7.17	96	34874	40.860	ug/l 99
28) Bromochloromethane	7.52	49	20623	42.200	ug/l 96
29) Tetrahydrofuran	7.54	42	37688	293.073	ug/l 99
30) Chloroform	7.68	83	70430	48.282	ug/l 96
31) Cyclohexane	7.96	56	52836	39.637	ug/l 97
32) 1,1,1-Trichloroethane	7.88	97	64222	51.140	ug/l 99
36) 1,1-Dichloropropene	8.09	75	43707	41.151	ug/l 100
37) Ethyl Acetate	7.26	43	25141	55.672	ug/l 99
38) Carbon Tetrachloride	8.07	117	51648	49.480	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	41448	31.444	ug/l	99
40) Benzene	8.33	78	200468	66.783	ug/l	97
41) Methacrylonitrile	7.49	41	15571	56.295	ug/l	96
42) 1,2-Dichloroethane	8.40	62	47838	53.235	ug/l	100
43) Isopropyl Acetate	8.43	43	47388	54.689	ug/l	99
44) Trichloroethene	9.09	130	35044	43.419	ug/l	98
45) 1,2-Dichloropropane	9.37	63	41409	54.612	ug/l	96
46) Dibromomethane	9.46	93	18637	48.535	ug/l	97
47) Bromodichloromethane	9.65	83	54991	54.386	ug/l	98
48) Methyl methacrylate	9.44	41	24902	59.556	ug/l	94
49) 1,4-Dioxane	9.47	88	6766	1162.770	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	133944	313.640	ug/l	98
52) Toluene	10.39	92	111239	55.392	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	40828	41.318	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	53709	45.419	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	33419	59.024	ug/l	95
56) Ethyl methacrylate	10.65	69	41134	58.435	ug/l	99
57) 1,3-Dichloropropane	10.93	76	53624	55.667	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	88980	257.117	ug/l	97
59) 2-Hexanone	10.97	43	94581	330.911	ug/l	96
60) Dibromochloromethane	11.13	129	35922	55.637	ug/l	100
61) 1,2-Dibromoethane	11.24	107	26570	50.493	ug/l	100
64) Tetrachloroethene	10.87	164	32021	50.871	ug/l	95
65) Chlorobenzene	11.66	112	106052	51.365	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	36431	55.369	ug/l	98
67) Ethyl Benzene	11.73	91	252477	67.825	ug/l	98
68) m/p-Xylenes	11.84	106	154865	106.834	ug/l	100
69) o-Xylene	12.17	106	92705	67.382	ug/l	98
70) Styrene	12.18	104	118475	53.549	ug/l	98
71) Bromoform	12.35	173	18340	59.789	ug/l #	98
73) Isopropylbenzene	12.47	105	184354	63.350	ug/l	99
74) N-amyl acetate	12.27	43	47125	80.913	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.72	83	33381	77.981	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	42923	145.355	ug/l #	100
77) Bromobenzene	12.75	156	40159	65.111	ug/l	99
78) n-propylbenzene	12.81	91	186373	53.298	ug/l	100
79) 2-Chlorotoluene	12.90	91	121017	59.053	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	167085	66.679	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	8939	68.908	ug/l	99
82) 4-Chlorotoluene	12.99	91	113570	52.564	ug/l	97
83) tert-Butylbenzene	13.21	119	108089	50.795	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	220110	87.437	ug/l	99
85) sec-Butylbenzene	13.39	105	119987	39.517	ug/l	97
86) p-Isopropyltoluene	13.51	119	117739	44.368	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	61293	48.598	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	60650	48.251	ug/l	98
89) n-Butylbenzene	13.83	91	77284	30.767	ug/l	92
90) Hexachloroethane	14.10	117	20733	47.925	ug/l	82
91) 1,2-Dichlorobenzene	13.87	146	61117	54.193	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7189	97.049	ug/l	85

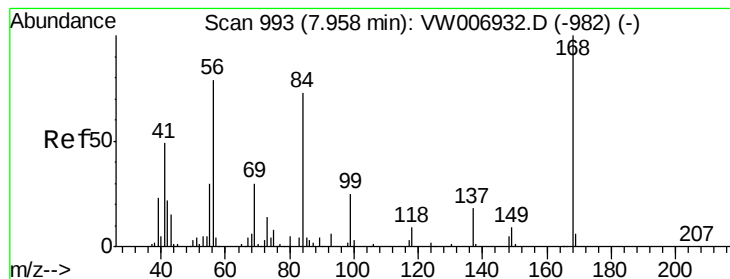
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	20241	28.526	ug/l	95
94) Hexachlorobutadiene	15.24	225	4972	13.265	ug/l	93
95) Naphthalene	15.38	128	2693287	1969.951	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	17572	28.888	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

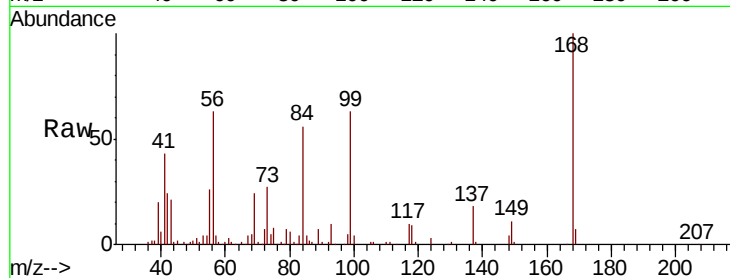
DTW-02(11-13)MS

Tot Ion:168 Resp: 69848

Ion Ratio Lower Upper

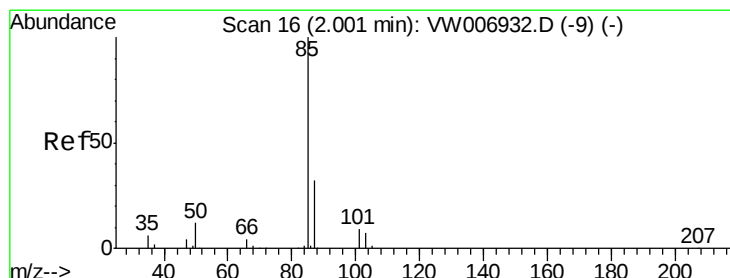
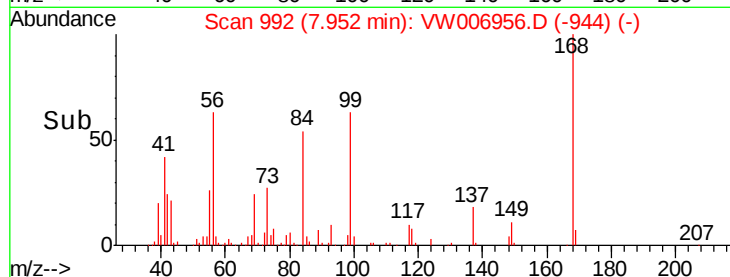
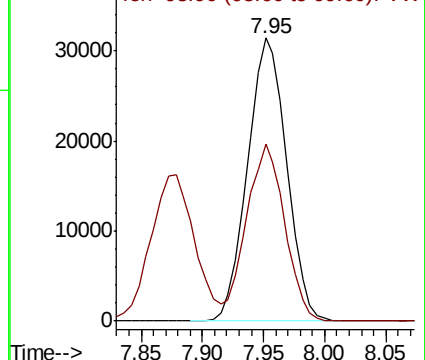
168 100

99 62.7 49.3 73.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 46.560 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW006956.D

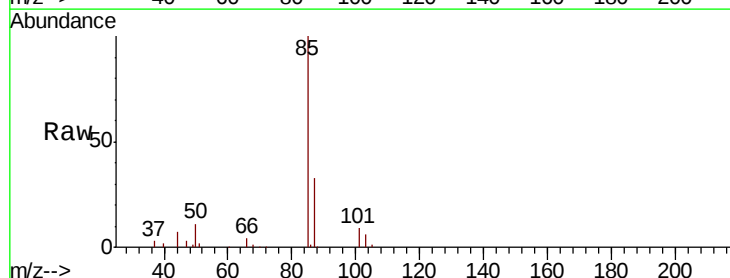
Acq: 19 Nov 2018 21:25

Tgt Ion: 85 Resp: 31136

Ion Ratio Lower Upper

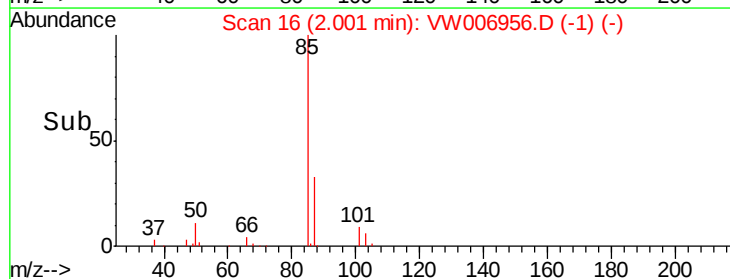
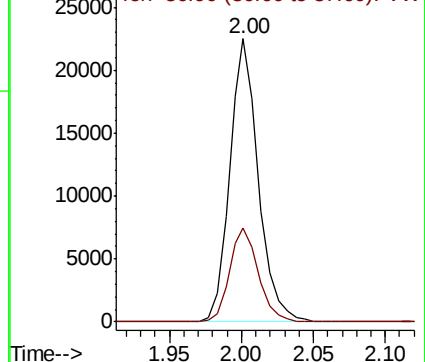
85 100

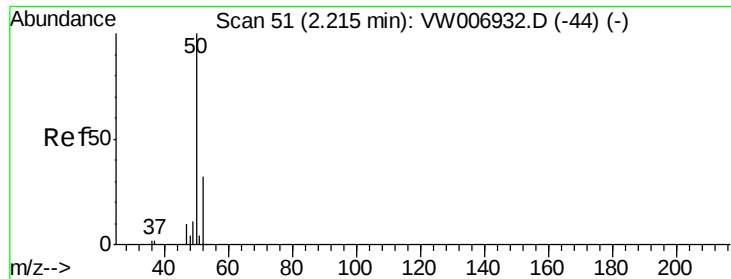
87 33.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 51.093 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

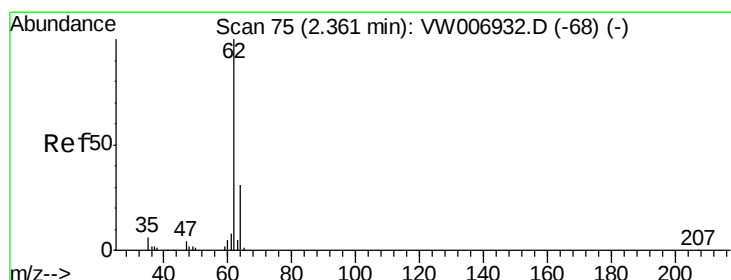
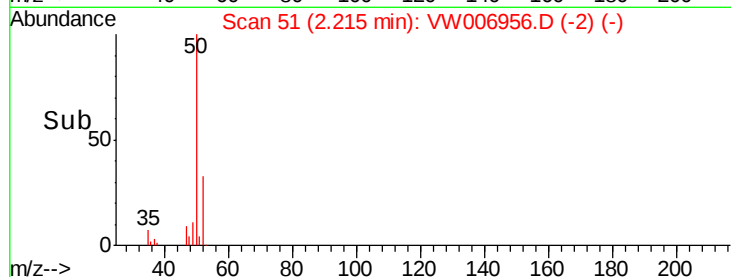
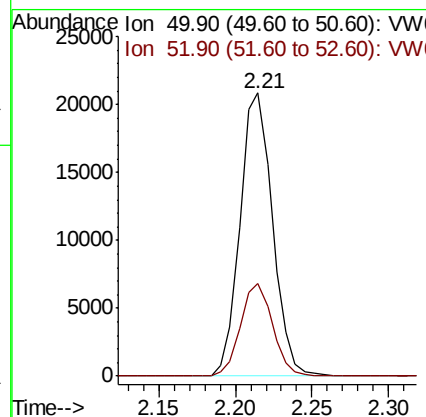
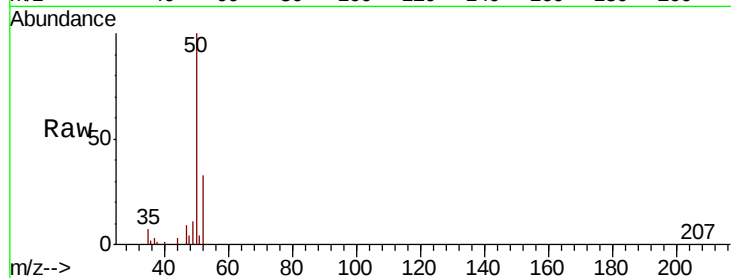
DTW-02(11-13)MS

Tot Ion: 50 Resp: 30758

Ion Ratio Lower Upper

50 100

52 32.9 25.4 38.2



#4

Vinyl Chloride

Concen: 41.739 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW006956.D

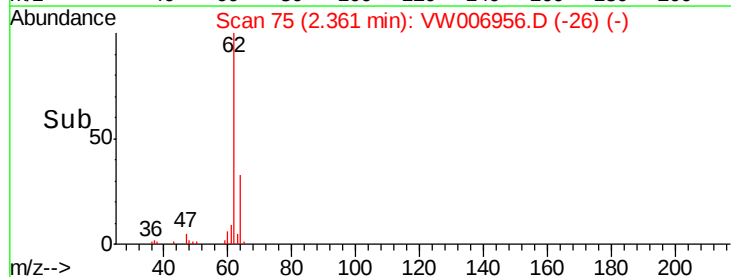
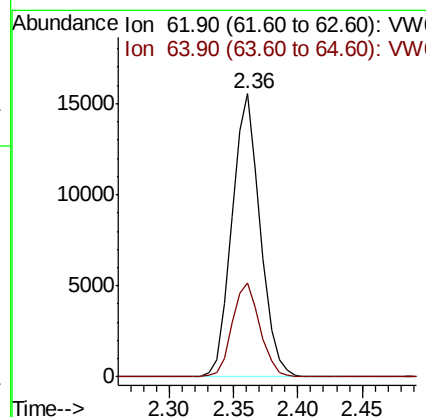
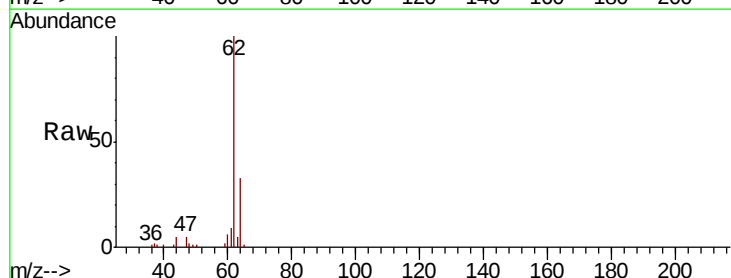
Acq: 19 Nov 2018 21:25

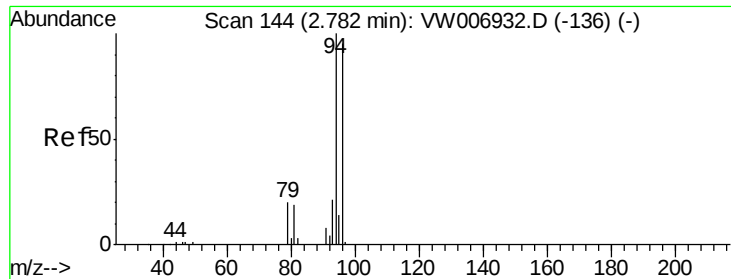
Tgt Ion: 62 Resp: 23819

Ion Ratio Lower Upper

62 100

64 33.3 24.6 37.0





#5

Bromomethane

Concen: 53.544 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

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ClientSampleId :

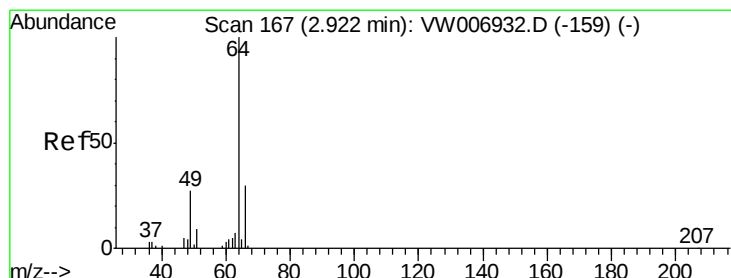
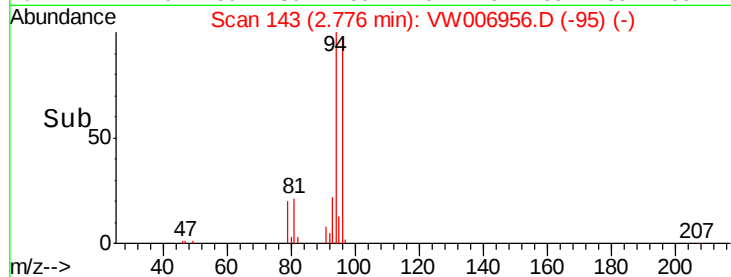
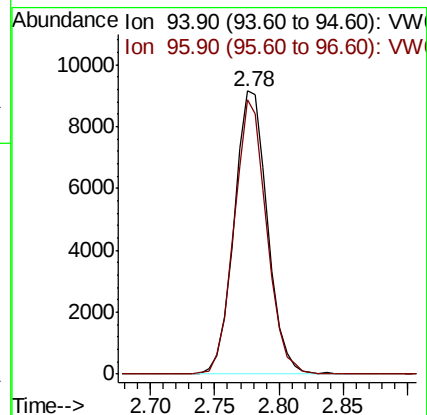
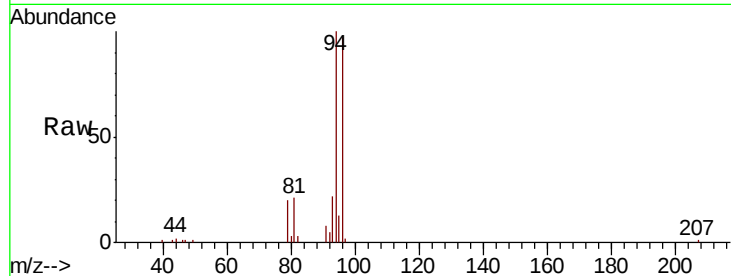
DTW-02(11-13)MS

Tot Ion: 94 Resp: 16413

Ion Ratio Lower Upper

94 100

96 96.8 76.2 114.4



#6

Chloroethane

Concen: 48.480 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW006956.D

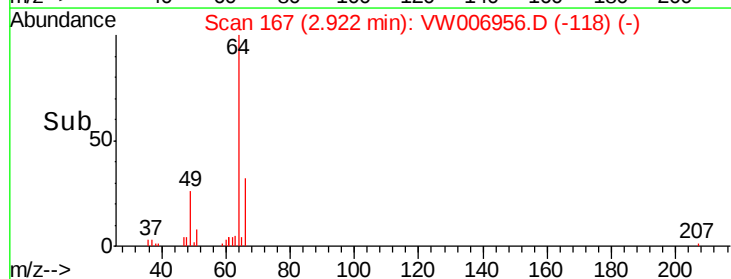
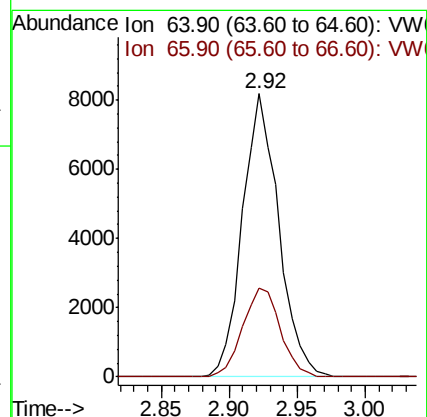
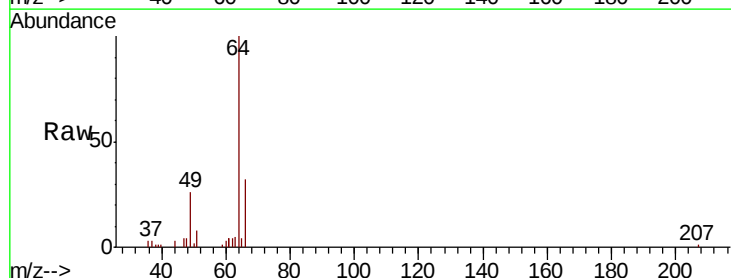
Acq: 19 Nov 2018 21:25

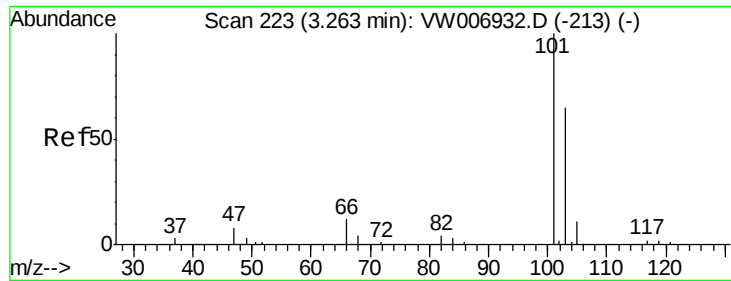
Tgt Ion: 64 Resp: 15236

Ion Ratio Lower Upper

64 100

66 31.5 24.0 36.0



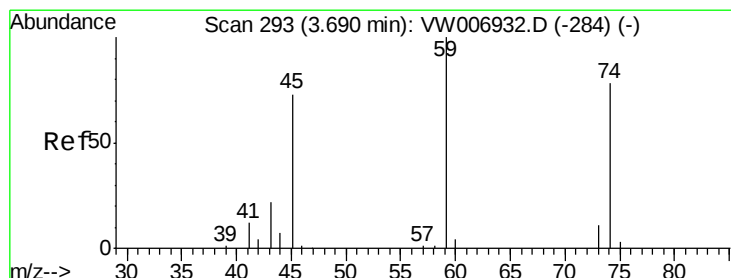
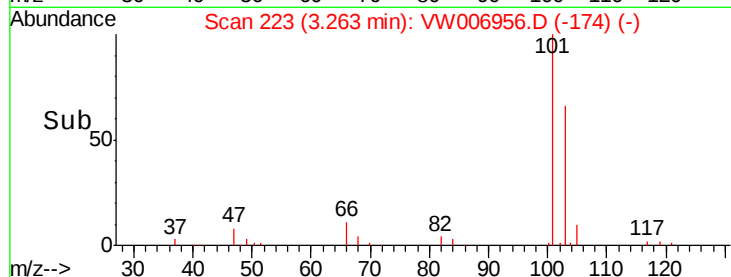
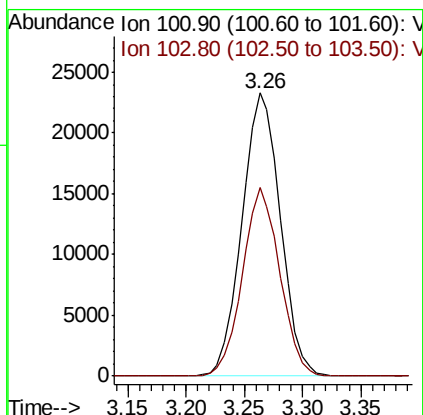
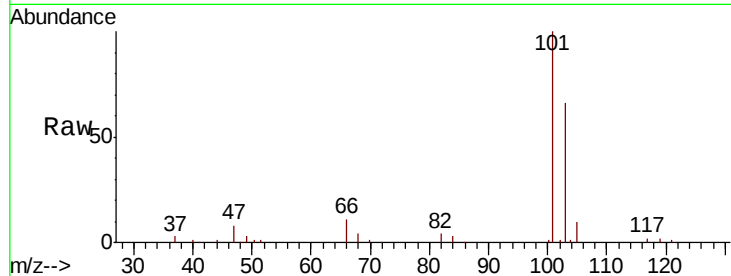


#7

Trichlorofluoromethane
 Concen: 48.183 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW006956.D
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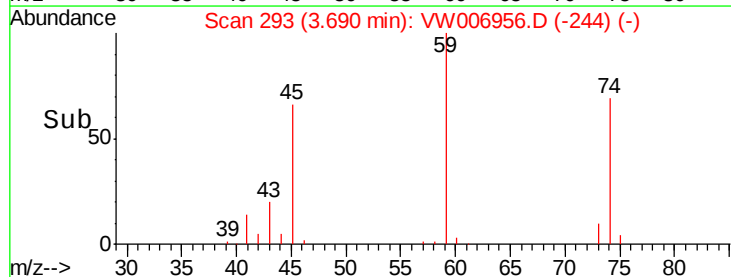
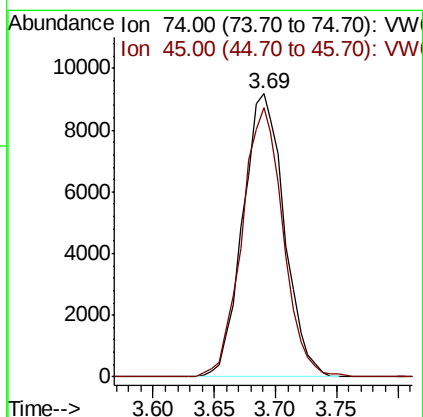
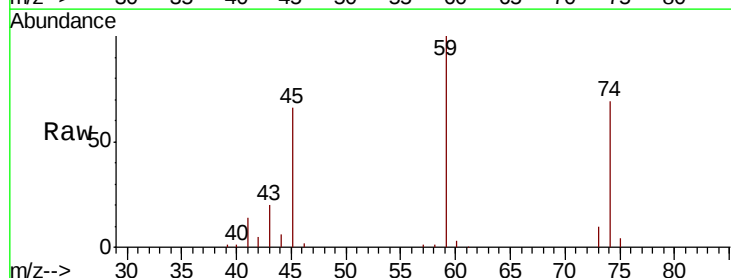
Tot Ion:101 Resp: 53516
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.2 78.2

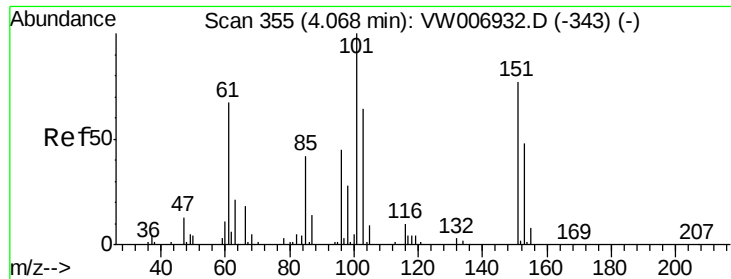


#8

Diethyl Ether
 Concen: 53.824 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VW006956.D
 Acq: 19 Nov 2018 21:25

Tgt Ion: 74 Resp: 21633
 Ion Ratio Lower Upper
 74 100
 45 94.3 48.0 144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.094 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

DTW-02(11-13)MS

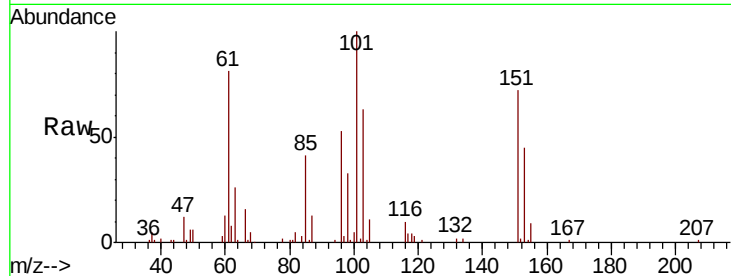
Tot Ion:101 Resp: 33062

Ion Ratio Lower Upper

101 100

85 43.9 34.5 51.7

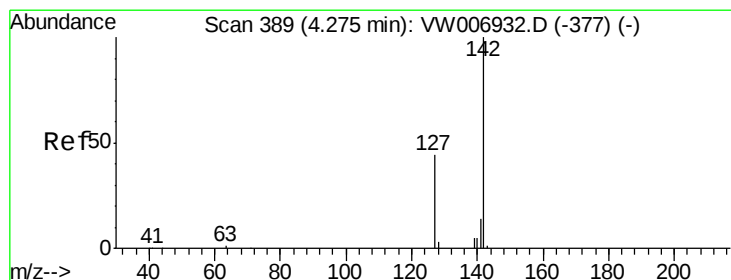
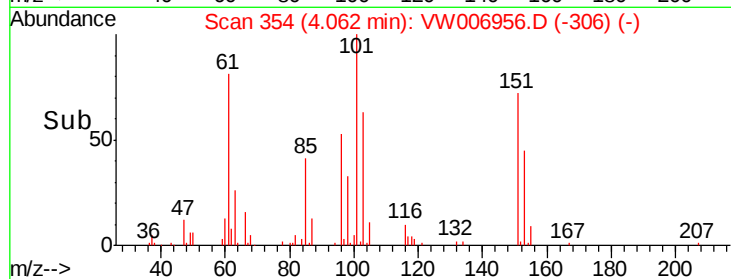
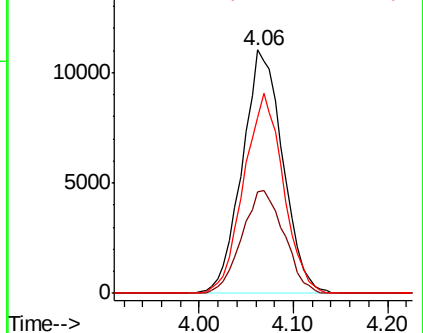
151 80.3 61.5 92.3



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: 39.111 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

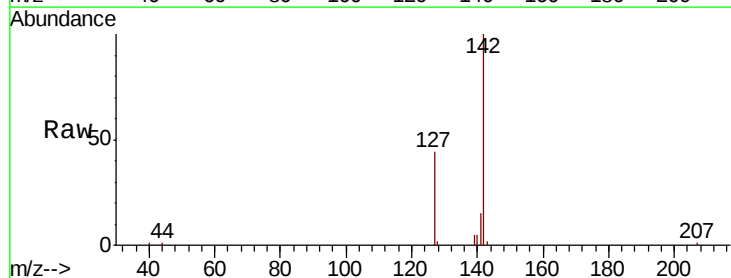
Tgt Ion:142 Resp: 33996

Ion Ratio Lower Upper

142 100

127 44.1 34.4 51.6

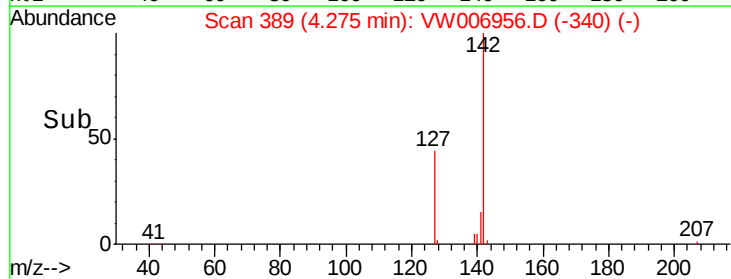
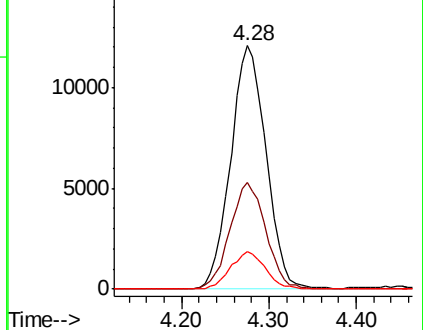
141 15.0 11.5 17.3

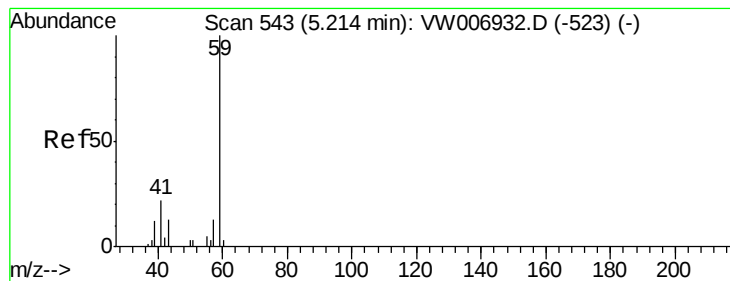


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



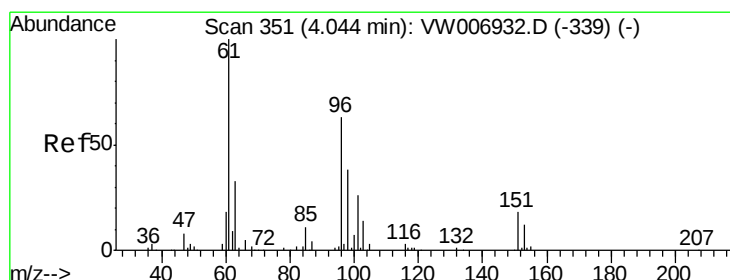
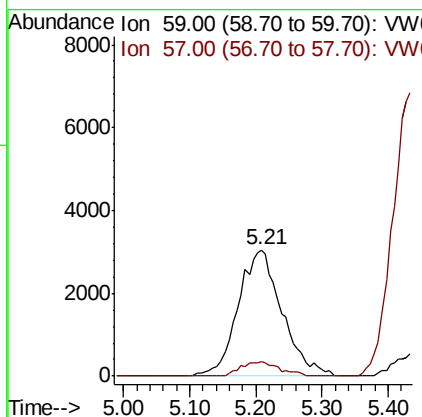
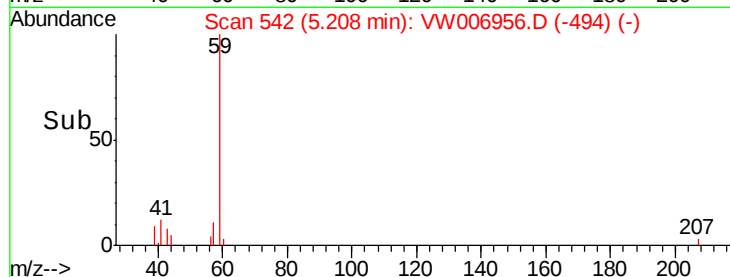
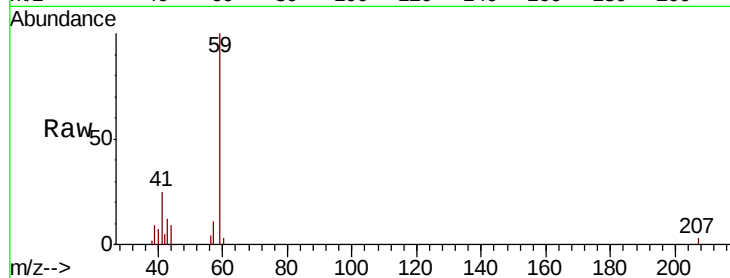


#11

Tert butyl alcohol
Concen: 237.151 ug/l
RT: 5.21 min Scan# 542
Delta R.T. -0.01 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

Instrument :
MSVOA_W
ClientSampleId :
DTW-02(11-13)MS

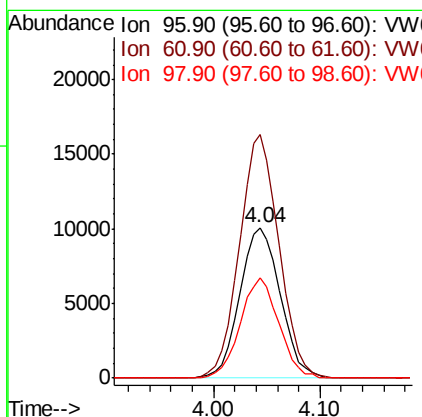
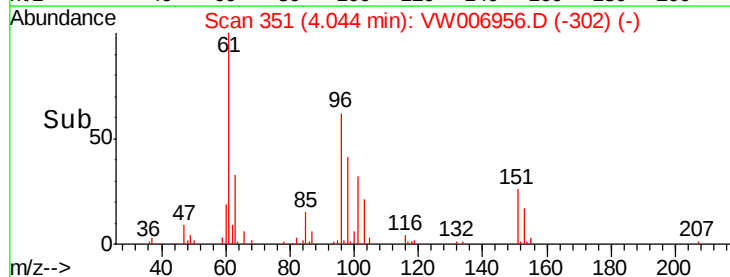
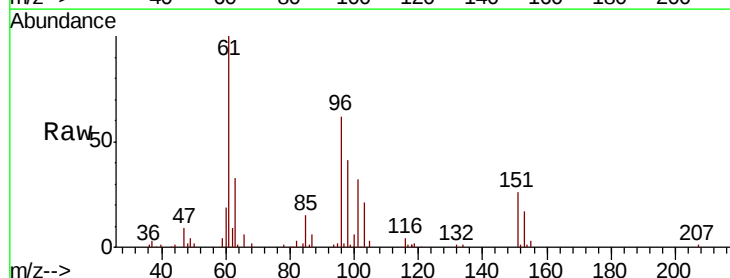
Tot Ion: 59 Resp: 14044
Ion Ratio Lower Upper
59 100
57 9.9 8.8 13.2

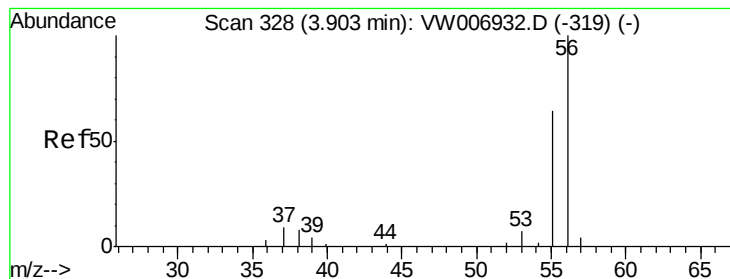


#12

1,1-Dichloroethene
Concen: 41.770 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

Tgt Ion: 96 Resp: 26880
Ion Ratio Lower Upper
96 100
61 161.6 127.8 191.8
98 66.3 48.3 72.5





#13

Acrolein

Concen: 244.332 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

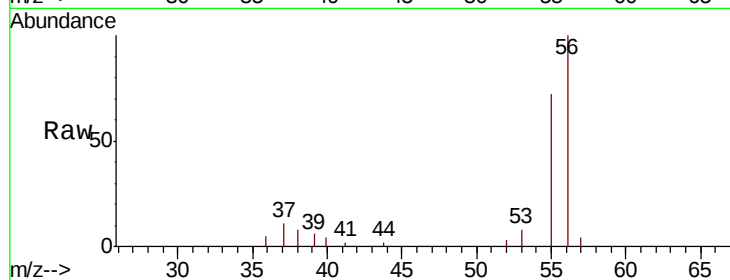
DTW-02(11-13)MS

Tot Ion: 56 Resp: 13120

Ion Ratio Lower Upper

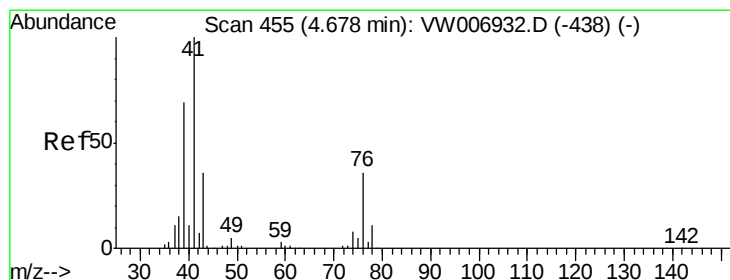
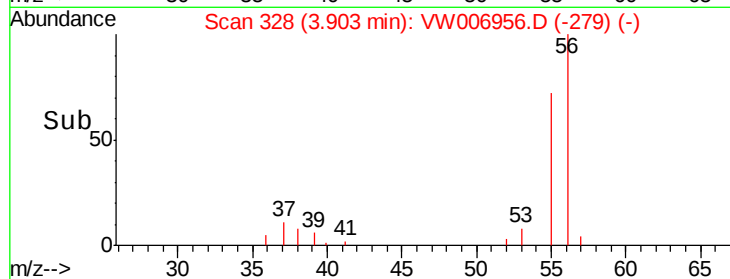
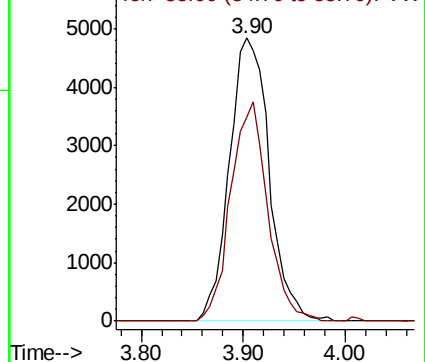
56 100

55 71.7 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 39.866 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

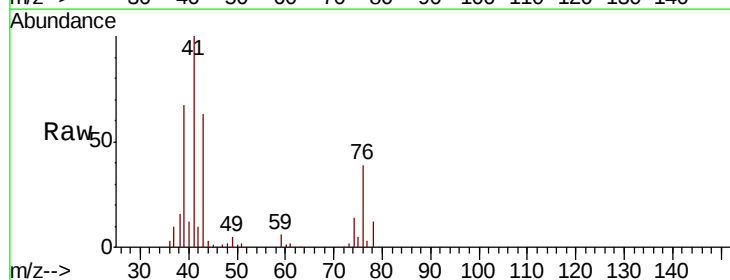
Tgt Ion: 41 Resp: 45131

Ion Ratio Lower Upper

41 100

39 70.1 55.0 82.4

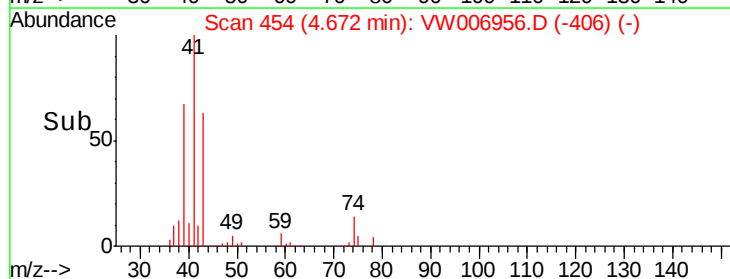
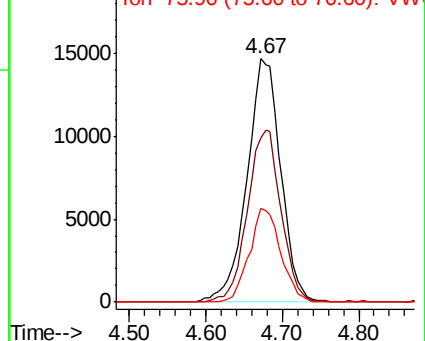
76 35.8 28.0 42.0

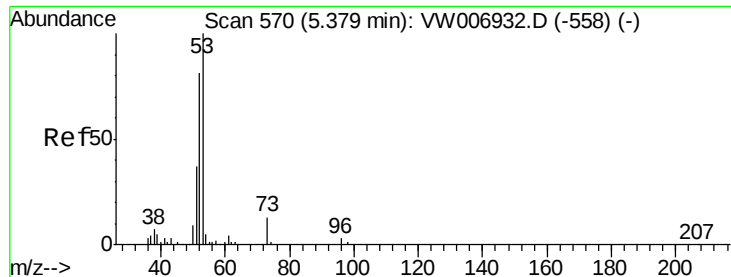


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 266.262 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

DTW-02(11-13)MS

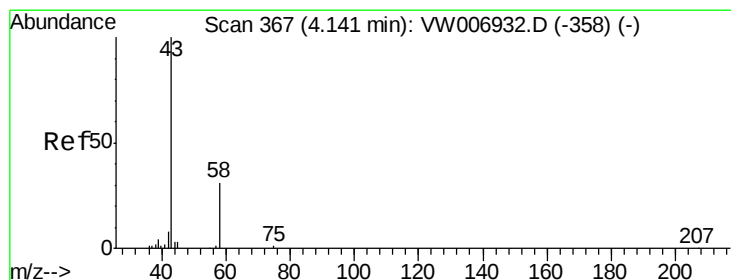
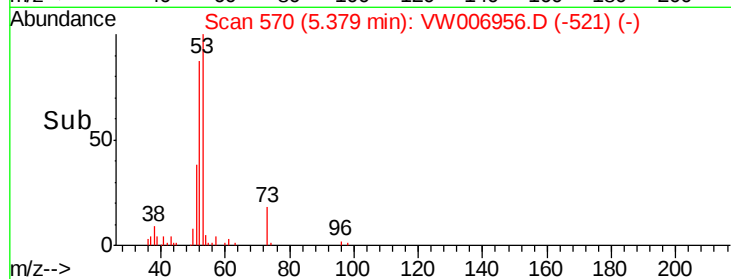
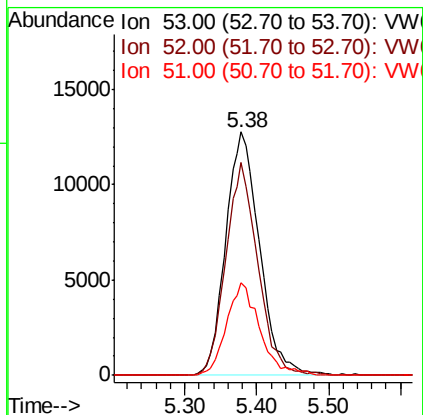
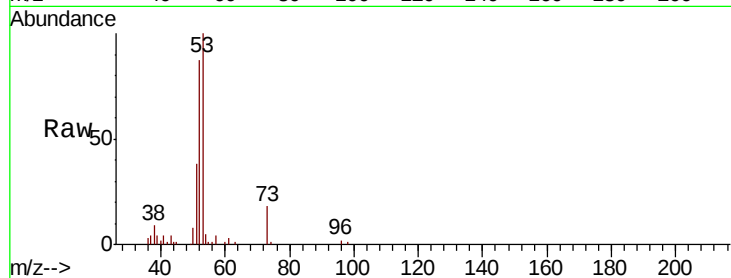
Tot Ion: 53 Resp: 41651

Ion Ratio Lower Upper

53 100

52 82.5 67.0 100.6

51 37.4 29.8 44.6



#16

Acetone

Concen: 304.488 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW006956.D

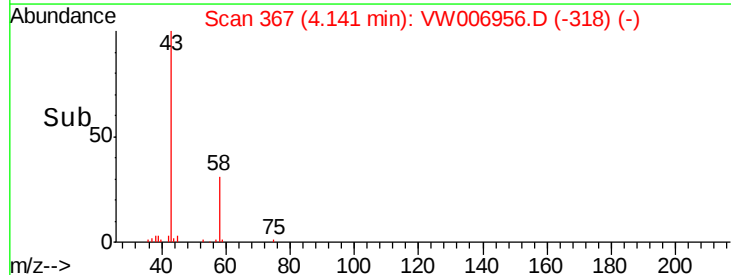
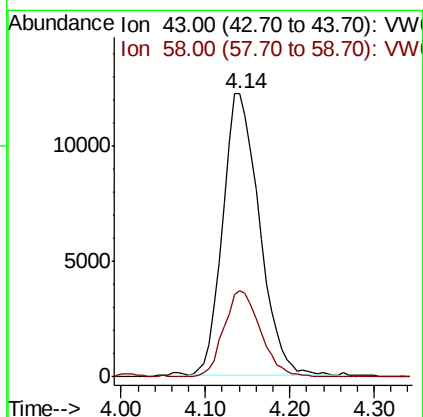
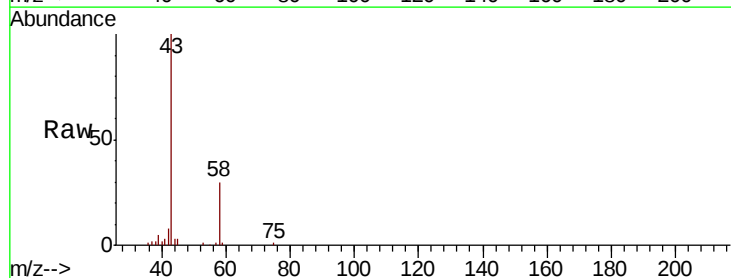
Acq: 19 Nov 2018 21:25

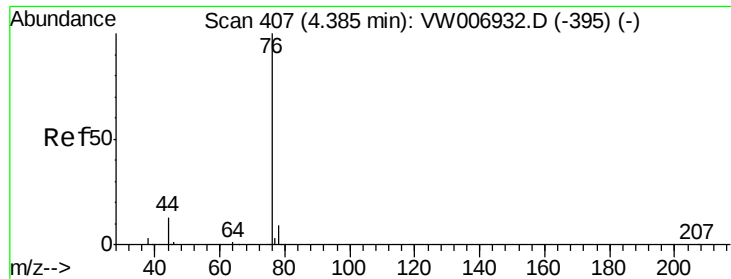
Tgt Ion: 43 Resp: 36254

Ion Ratio Lower Upper

43 100

58 30.6 24.2 36.4

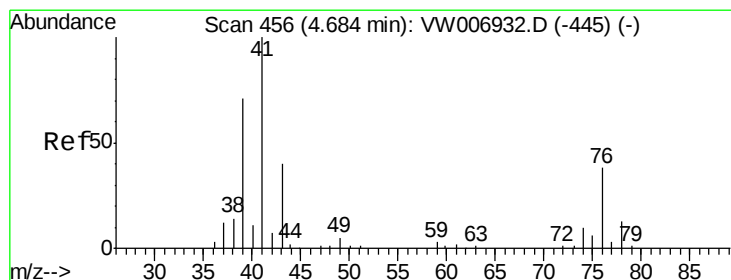
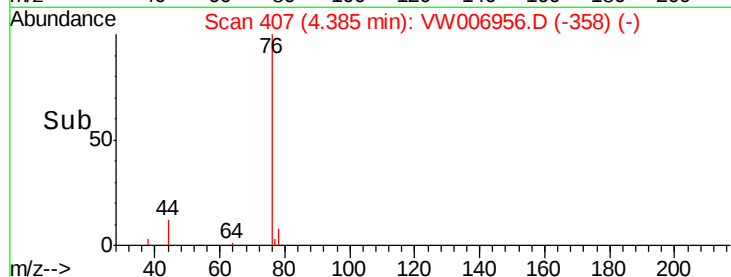
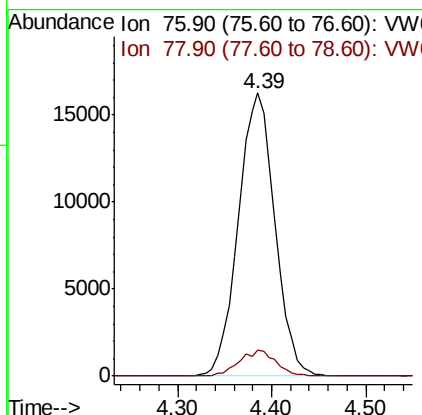
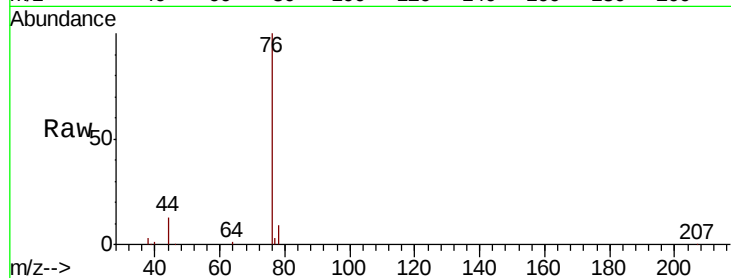




#17
Carbon Disulfide
Concen: 21.653 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

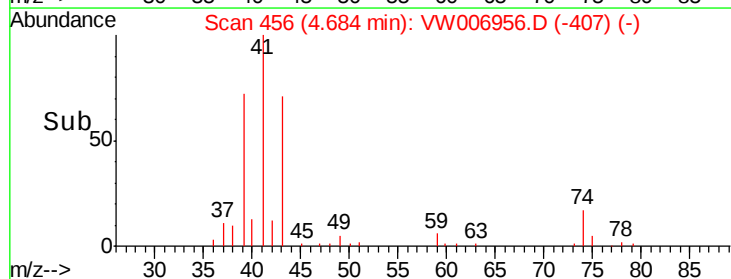
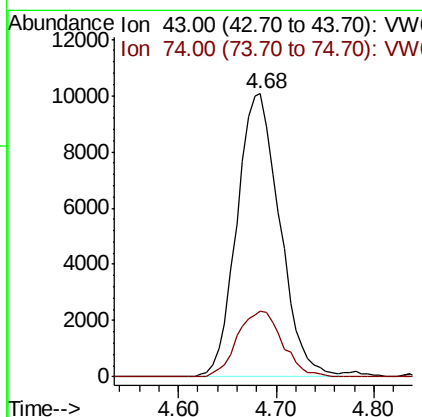
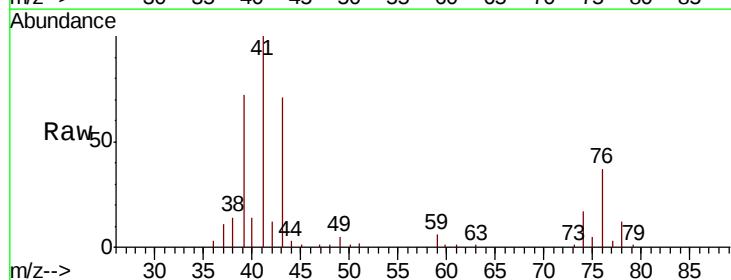
Instrument :
MSVOA_W
ClientSampleId :
DTW-02(11-13)MS

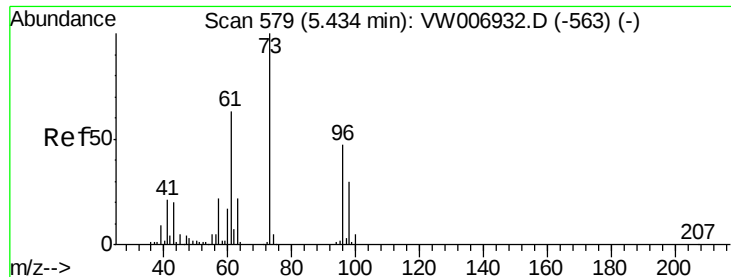
Tot Ion: 76 Resp: 44082
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 70.159 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

Tgt Ion: 43 Resp: 30570
Ion Ratio Lower Upper
43 100
74 24.5 20.3 30.5

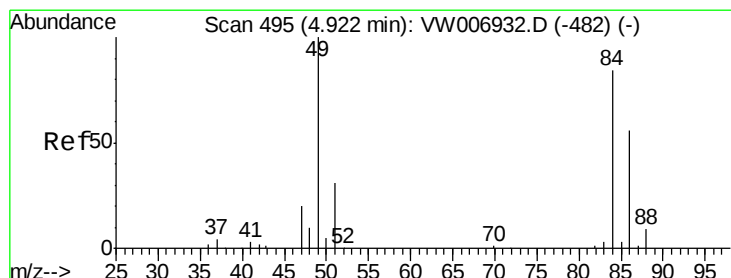
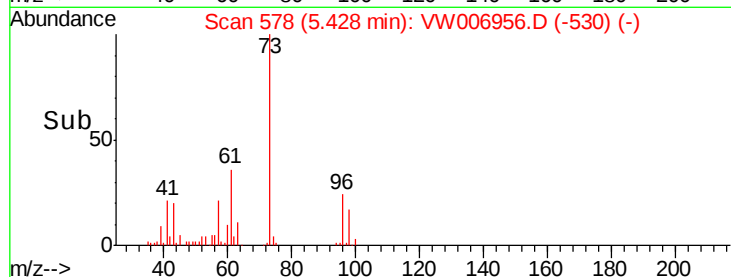
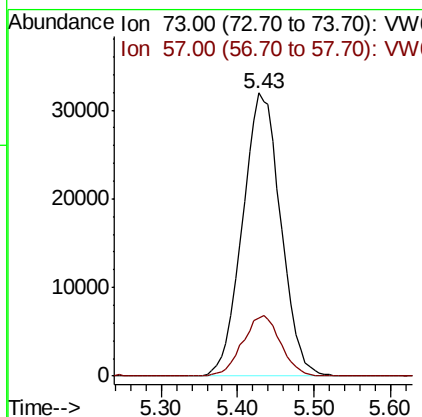
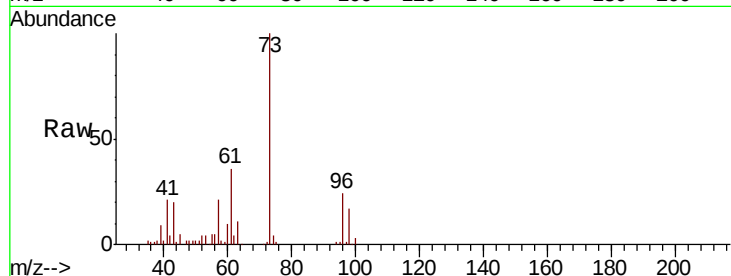




#19
Methyl tert-butyl Ether
Concen: 58.924 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

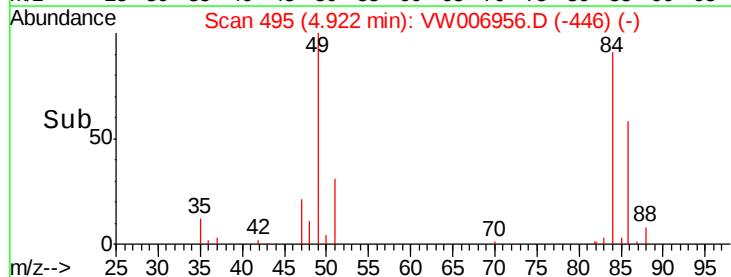
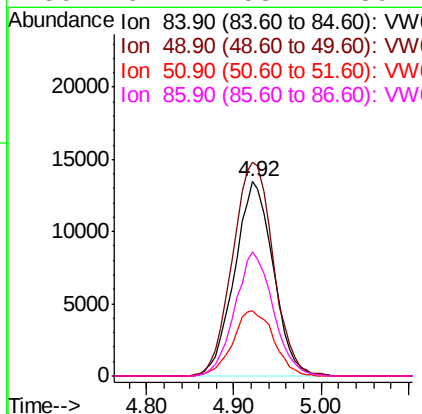
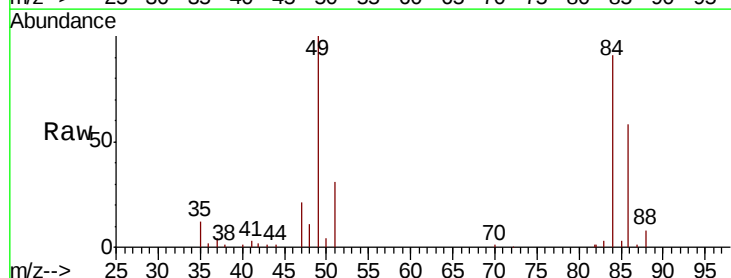
Instrument :
MSVOA_W
ClientSampleId :
DTW-02(11-13)MS

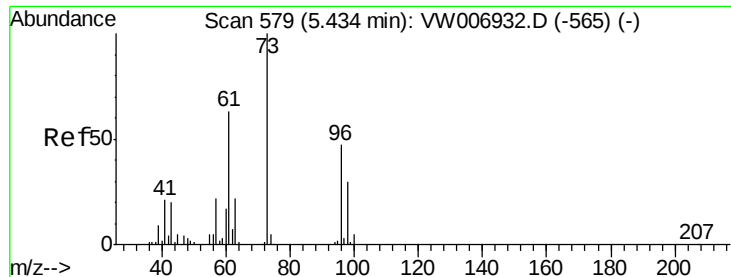
Tot Ion: 73 Resp: 111159
Ion Ratio Lower Upper
73 100
57 20.7 17.5 26.3



#20
Methylene Chloride
Concen: 50.533 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

Tgt Ion: 84 Resp: 41408
Ion Ratio Lower Upper
84 100
49 110.0 95.4 143.2
51 33.6 29.5 44.3
86 64.2 53.4 80.2





#21

trans-1,2-Dichloroethene

Concen: 32.026 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

DTW-02(11-13)MS

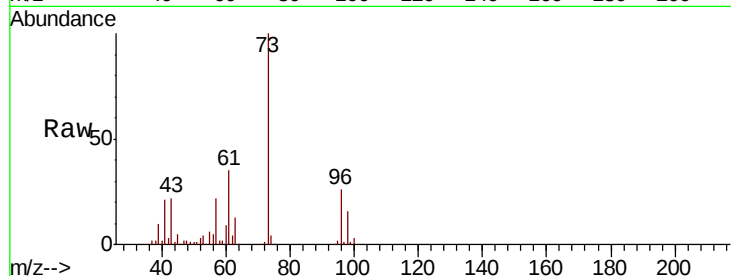
Tot Ion: 96 Resp: 24585

Ion Ratio Lower Upper

96 100

61 131.2 108.2 162.4

98 61.3 50.6 76.0

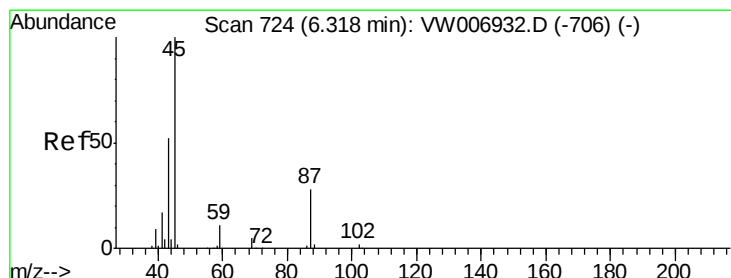
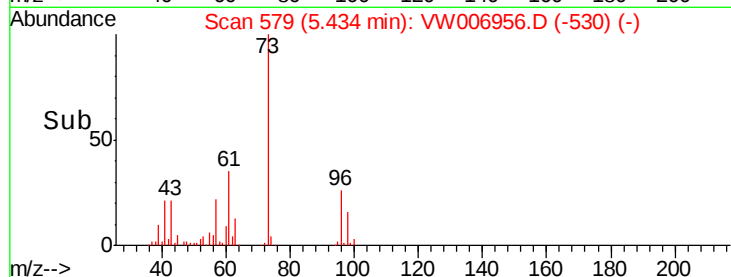
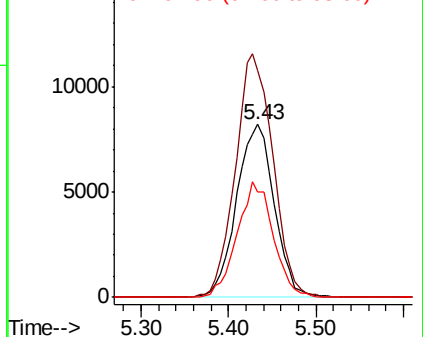


Abundance

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



#22

Diisopropyl ether

Concen: 54.341 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Tgt Ion: 45 Resp: 125567

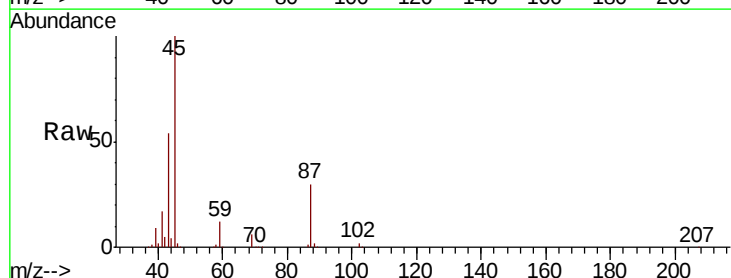
Ion Ratio Lower Upper

45 100

43 53.9 43.1 64.7

87 30.4 22.7 34.1

59 11.4 9.0 13.4



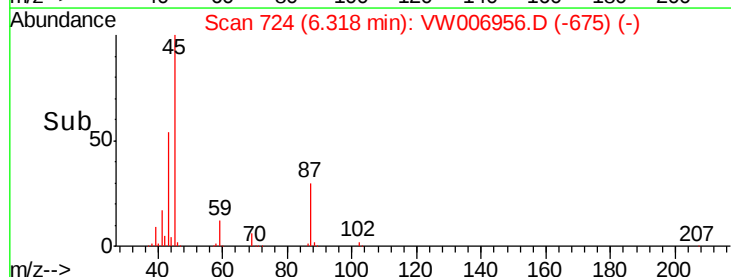
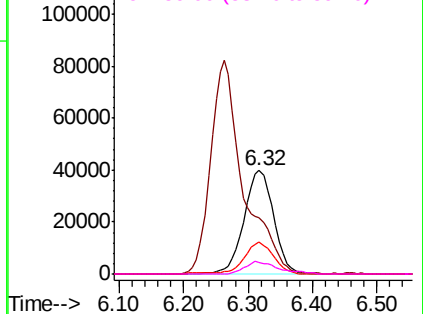
Abundance

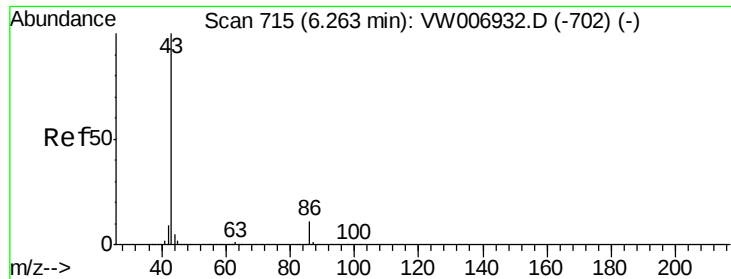
Ion 45.00 (44.70 to 45.70): VW

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: 226.970 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

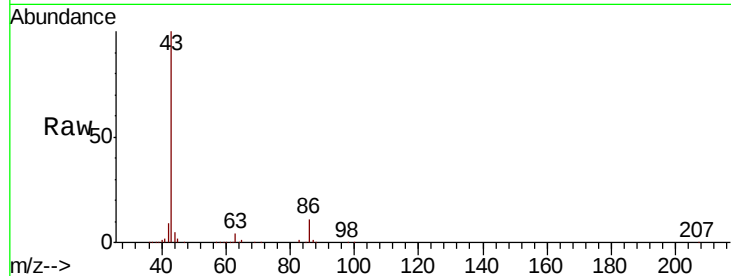
DTW-02(11-13)MS

Tot Ion: 43 Resp: 290426

Ion Ratio Lower Upper

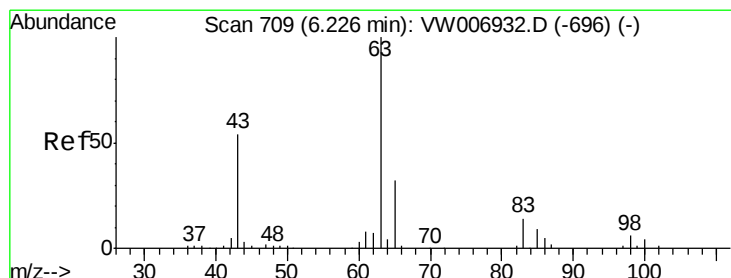
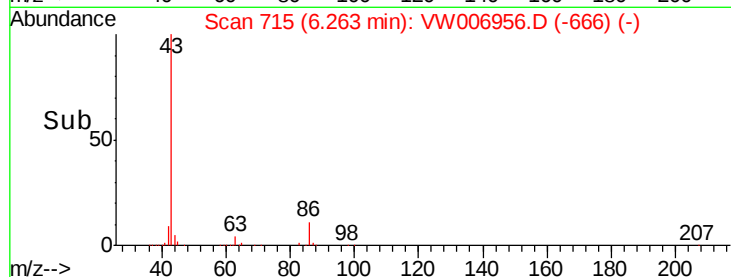
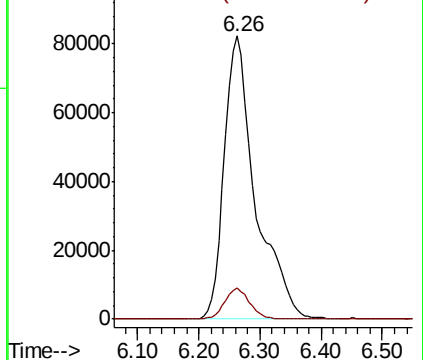
43 100

86 10.8 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 49.374 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.01 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

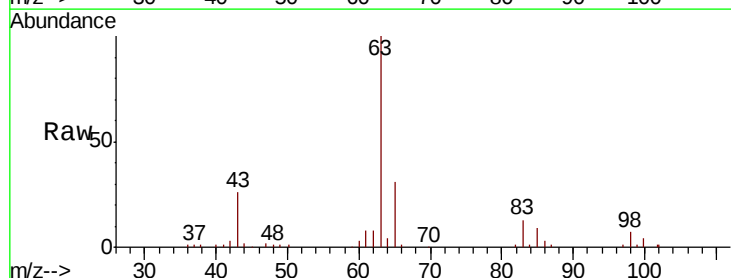
Tgt Ion: 63 Resp: 65695

Ion Ratio Lower Upper

63 100

98 6.6 3.2 9.6

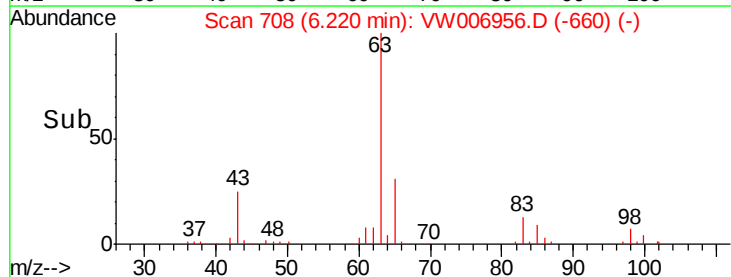
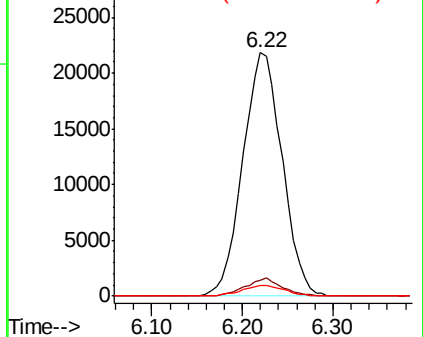
100 4.3 2.1 6.5

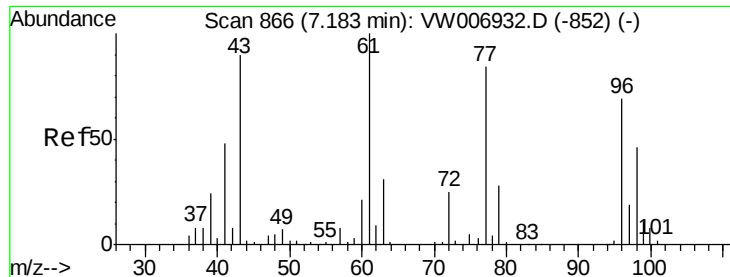


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 299.979 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

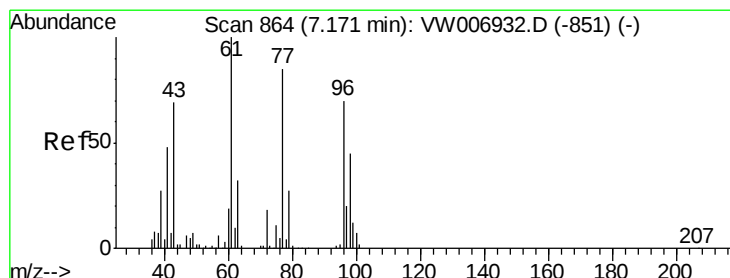
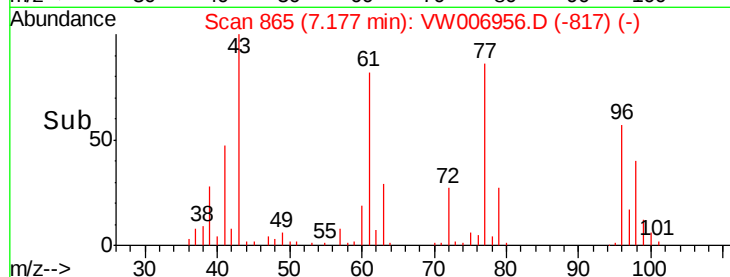
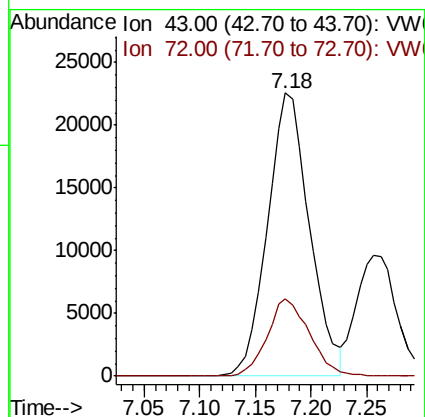
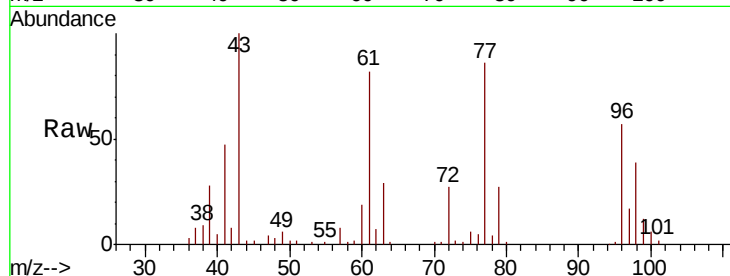
DTW-02(11-13)MS

Tot Ion: 43 Resp: 59318

Ion Ratio Lower Upper

43 100

72 27.4 22.1 33.1



#26

2,2-Dichloropropane

Concen: 49.648 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006956.D

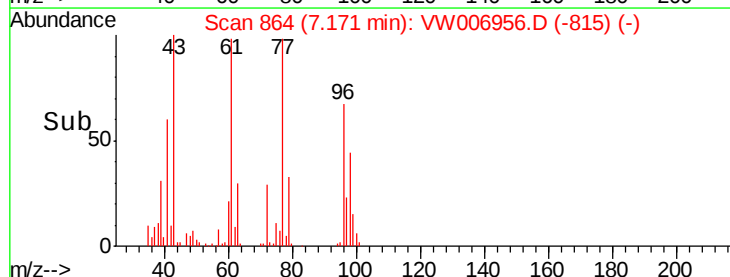
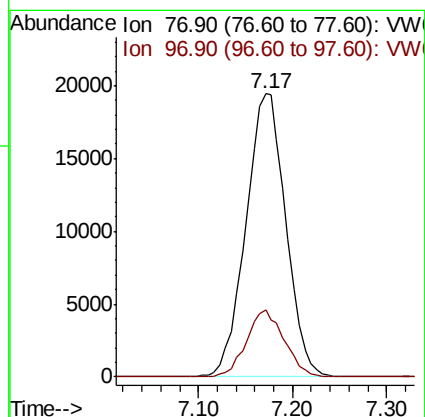
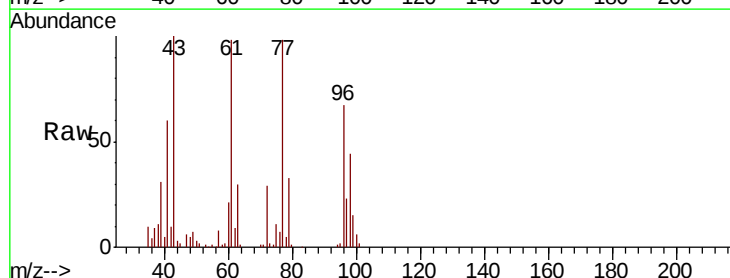
Acq: 19 Nov 2018 21:25

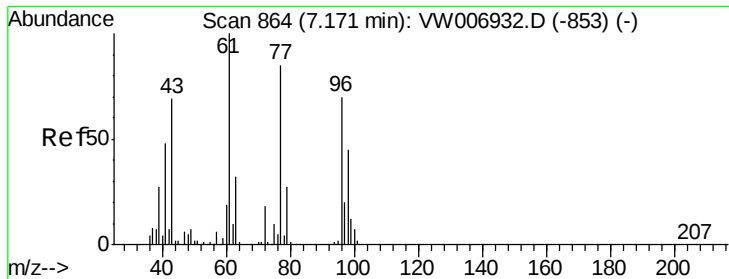
Tgt Ion: 77 Resp: 57639

Ion Ratio Lower Upper

77 100

97 22.4 11.3 33.9



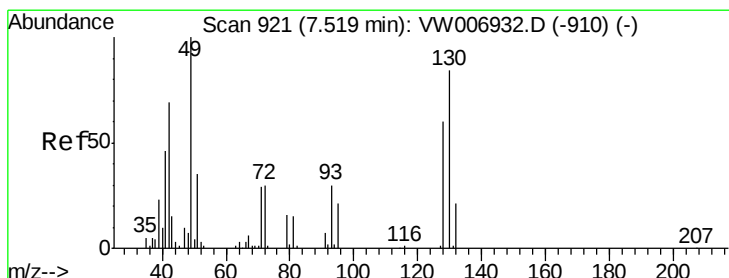
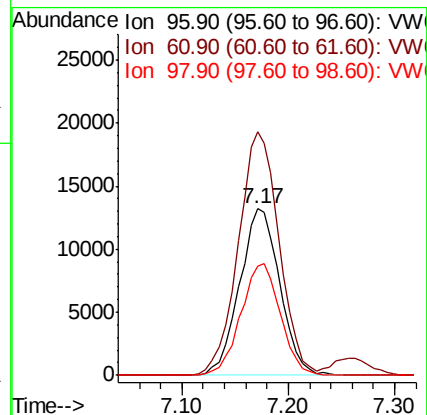
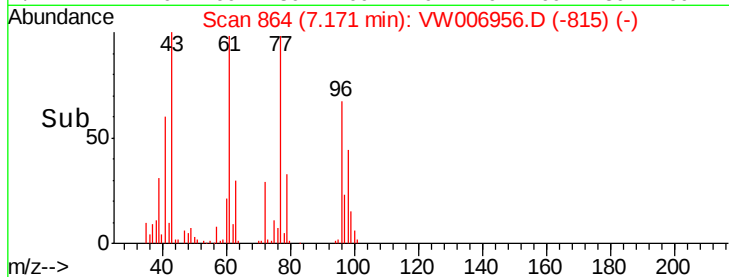
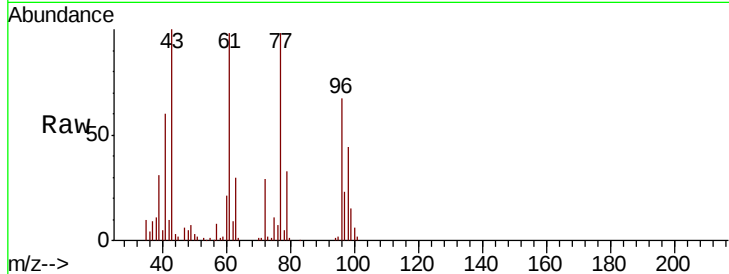


#27

cis-1,2-Dichloroethene
Concen: 40.860 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

Instrument :
MSVOA_W
ClientSampleId :
DTW-02(11-13)MS

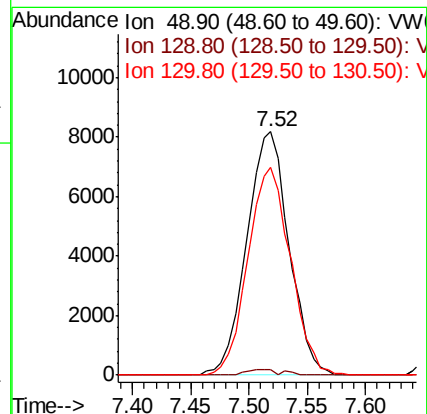
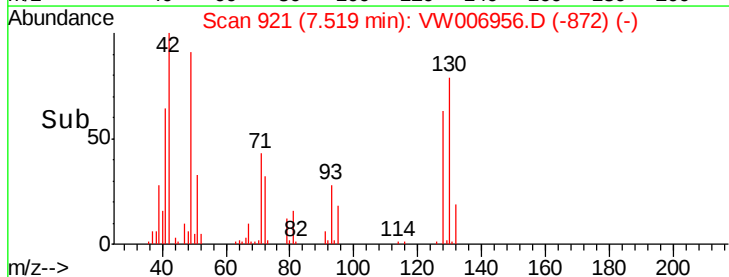
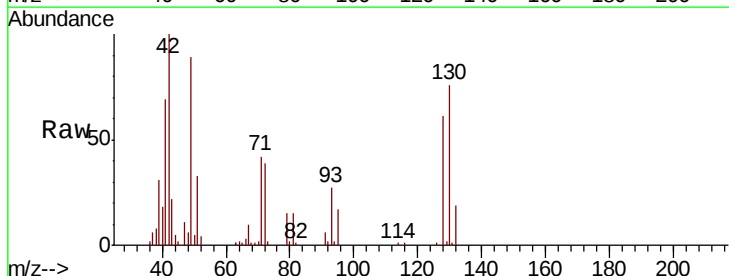
Tot Ion: 96 Resp: 34874
Ion Ratio Lower Upper
96 100
61 148.4 0.0 293.8
98 65.8 0.0 131.0

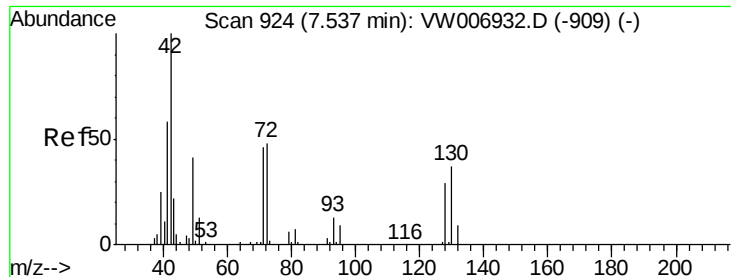


#28

Bromochloromethane
Concen: 42.200 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

Tgt Ion: 49 Resp: 20623
Ion Ratio Lower Upper
49 100
129 1.4 0.0 1.6
130 86.1 66.1 99.1

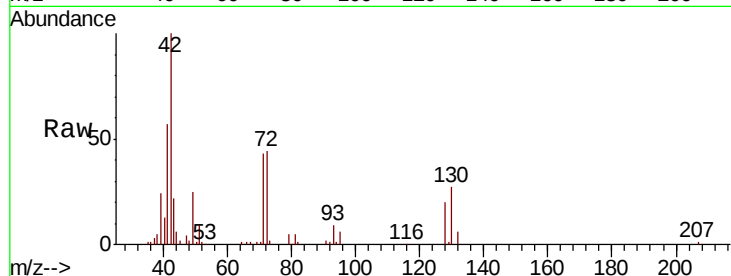




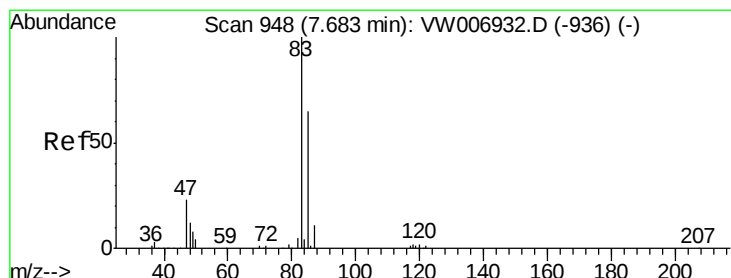
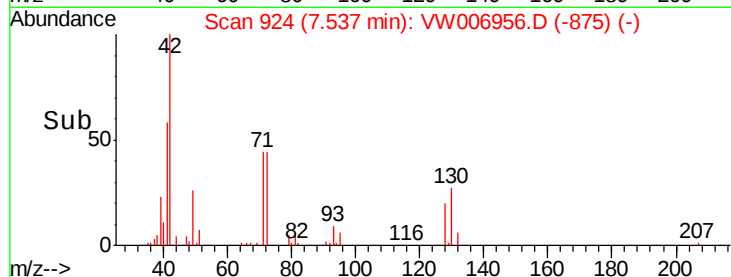
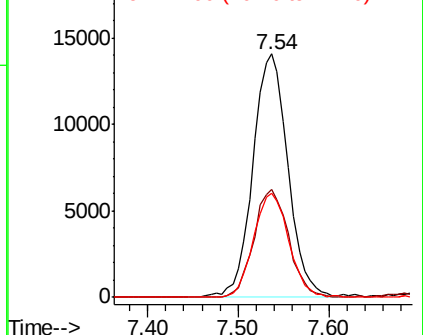
#29
Tetrahydrofuran
Concen: 293.073 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

Instrument :
MSVOA_W
ClientSampleId :
DTW-02(11-13)MS

Tot Ion: 42 Resp: 37688
Ion Ratio Lower Upper
42 100
72 43.8 35.7 53.5
71 42.7 33.7 50.5

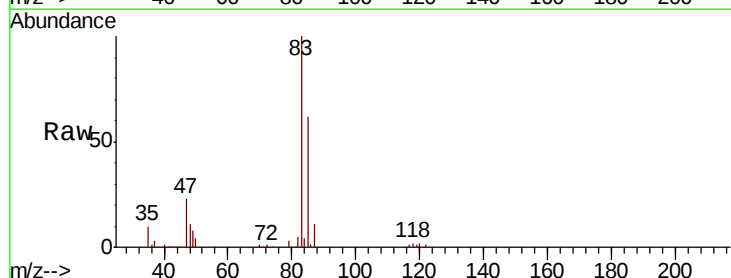


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

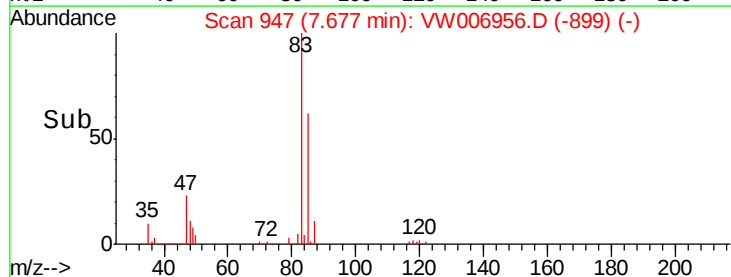
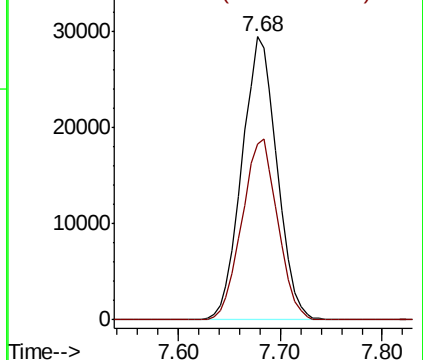


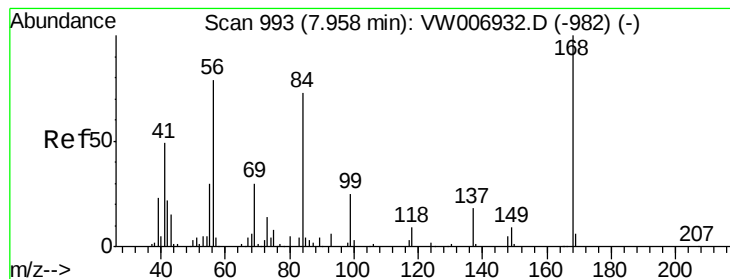
#30
Chloroform
Concen: 48.282 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

Tgt Ion: 83 Resp: 70430
Ion Ratio Lower Upper
83 100
85 62.2 52.2 78.4



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





#31

Cyclohexane

Concen: 39.637 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

DTW-02(11-13)MS

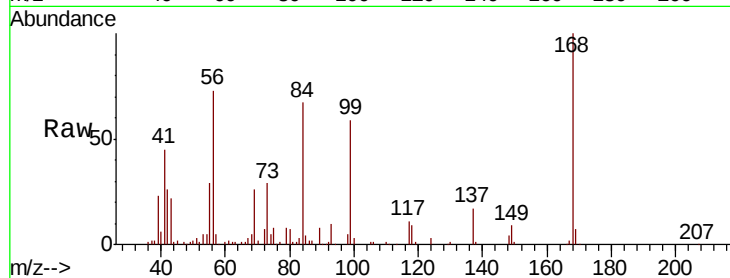
Tot Ion: 56 Resp: 52836

Ion Ratio Lower Upper

56 100

69 35.3 30.2 45.2

84 89.1 73.6 110.4

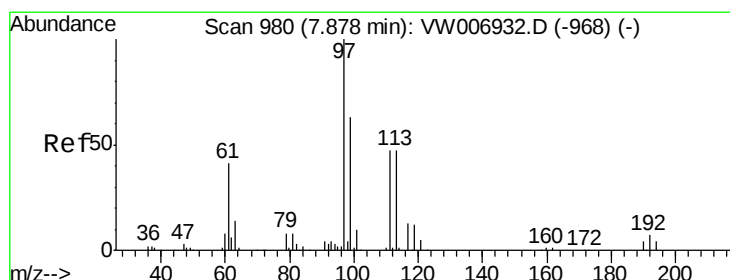
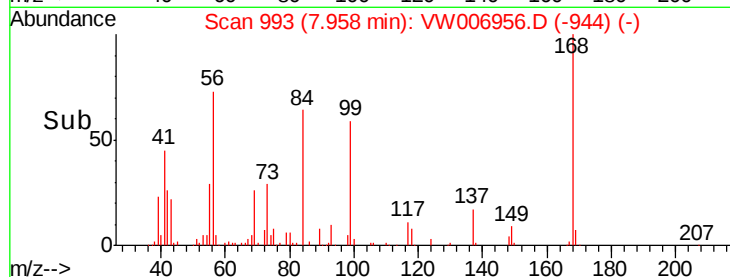
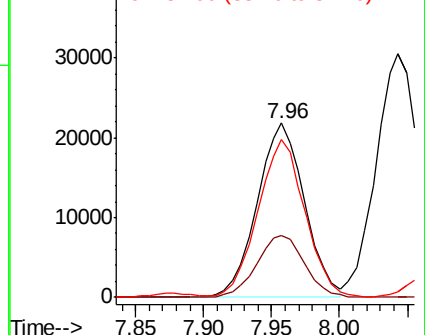


Abundance

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: 51.140 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

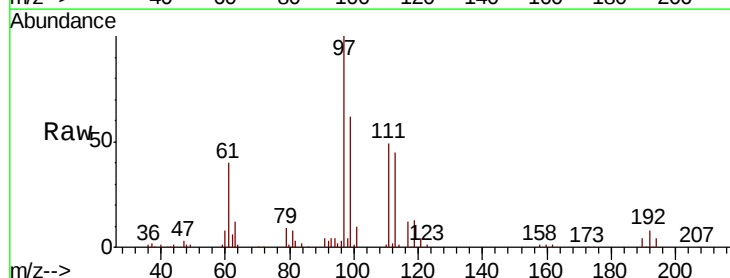
Tgt Ion: 97 Resp: 64222

Ion Ratio Lower Upper

97 100

99 63.5 51.0 76.6

61 41.9 34.2 51.2

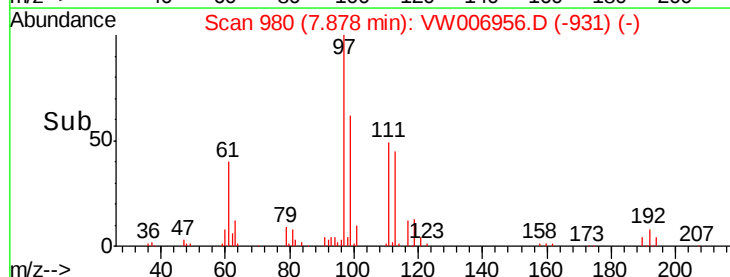
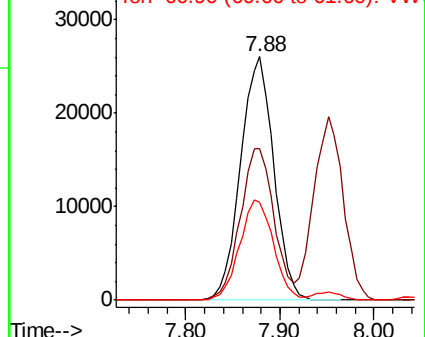


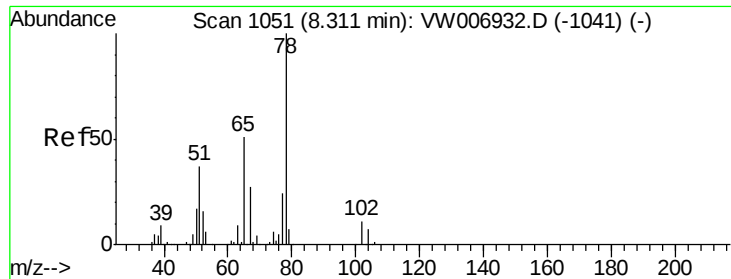
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW

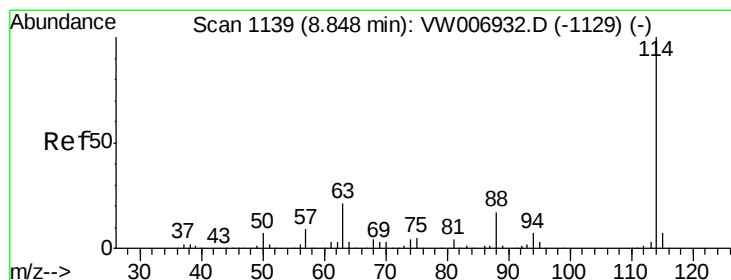
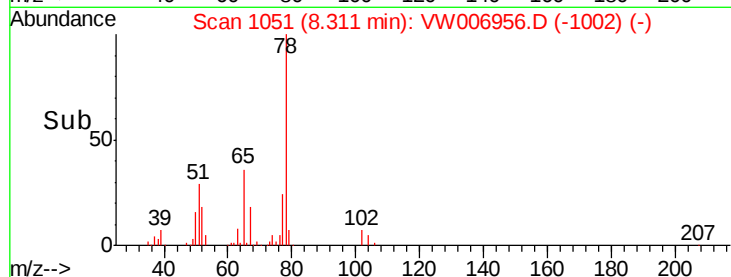
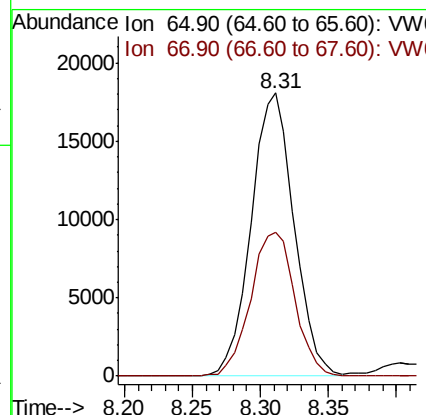
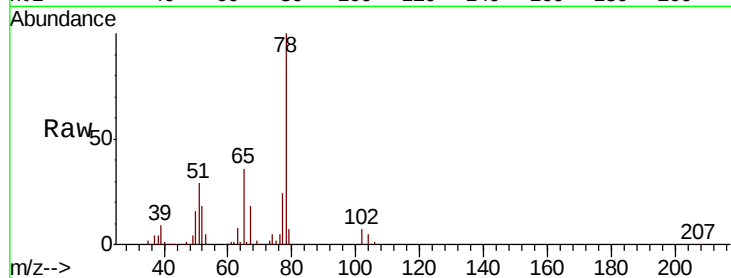




#33
 1,2-Dichloroethane-d4
 Concen: 51.186 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006956.D
 Acq: 19 Nov 2018 21:25

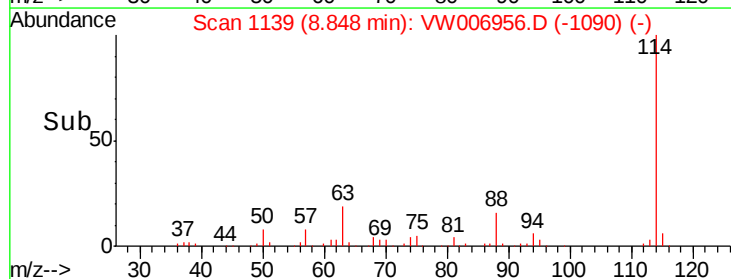
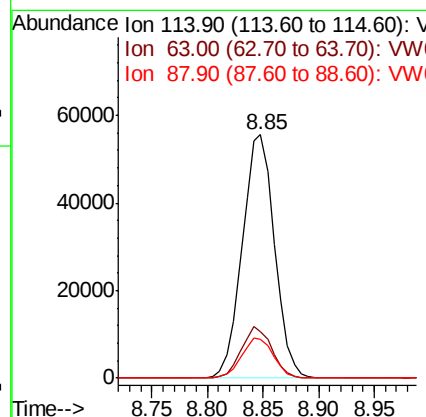
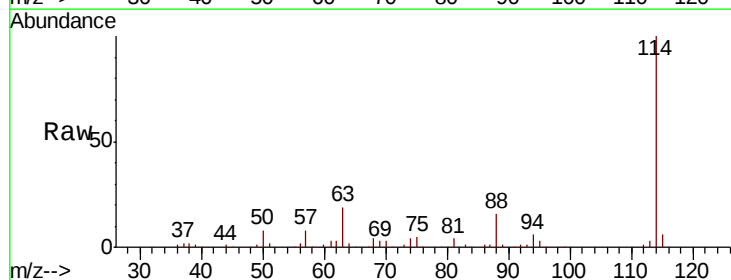
Instrument :
 MSVOA_W
 ClientSampleId :
 DTW-02(11-13)MS

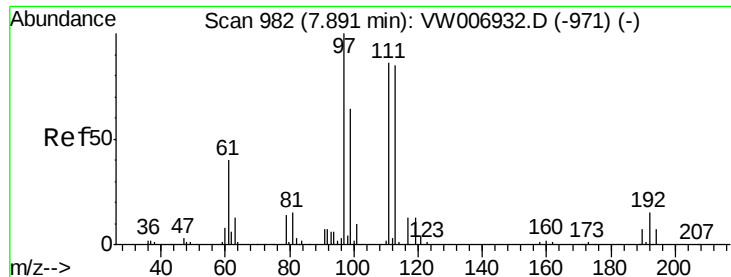
Tot Ion: 65 Resp: 39844
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006956.D
 Acq: 19 Nov 2018 21:25

Tgt Ion: 114 Resp: 111489
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 42.2
 88 15.7 0.0 33.4

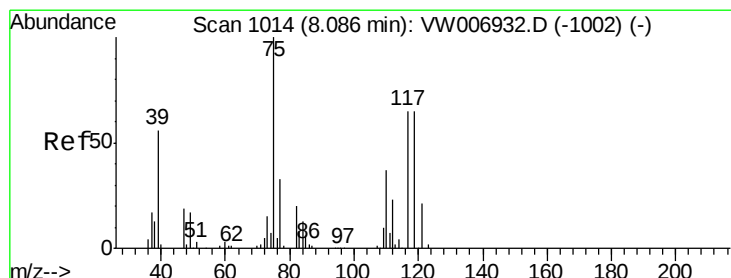
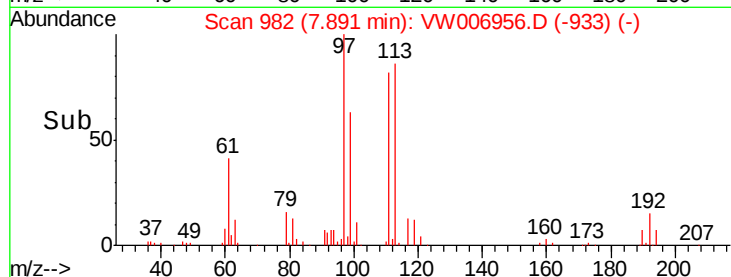
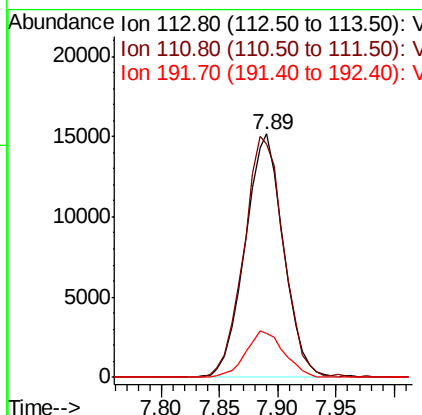
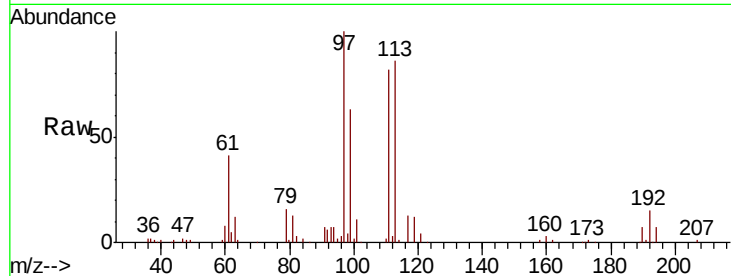




#35
 Dibromofluoromethane
 Concen: 53.163 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006956.D
 Acq: 19 Nov 2018 21:25

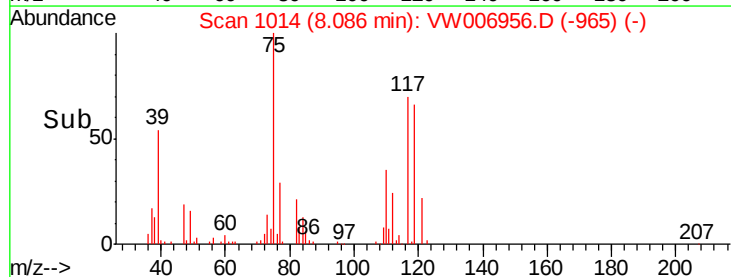
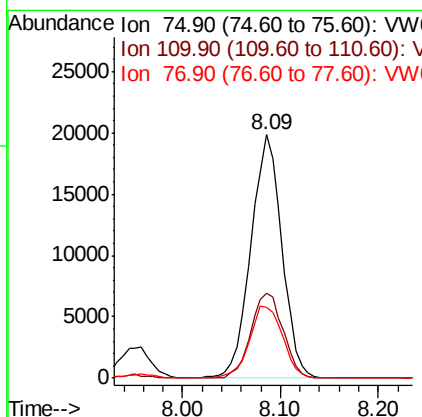
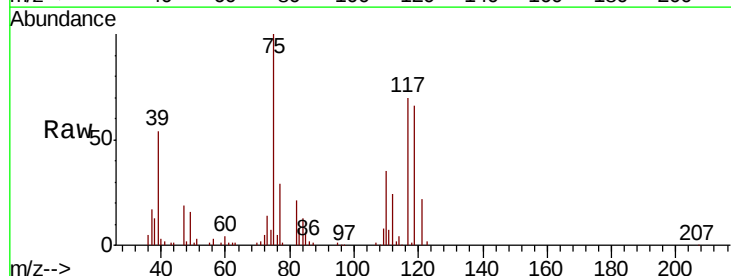
Instrument :
 MSVOA_W
 ClientSampleId :
 DTW-02(11-13)MS

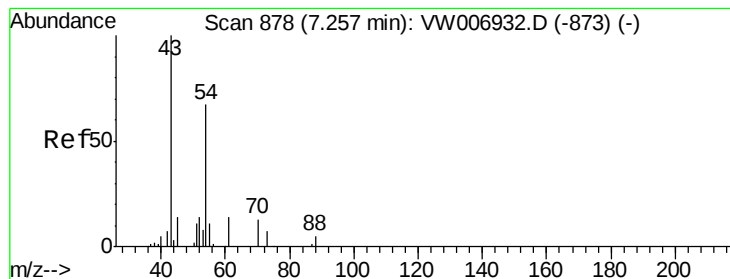
Tot Ion:113 Resp: 34705
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.7 122.5
 192 19.1 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 41.151 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006956.D
 Acq: 19 Nov 2018 21:25

Tgt Ion: 75 Resp: 43707
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.1 54.1
 77 31.5 25.4 38.0





#37

Ethyl Acetate

Concen: 55.672 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

DTW-02(11-13)MS

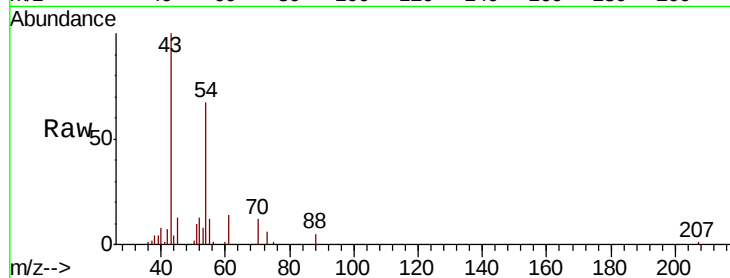
Tot Ion: 43 Resp: 25141

Ion Ratio Lower Upper

43 100

61 14.2 11.0 16.6

70 11.4 8.8 13.2

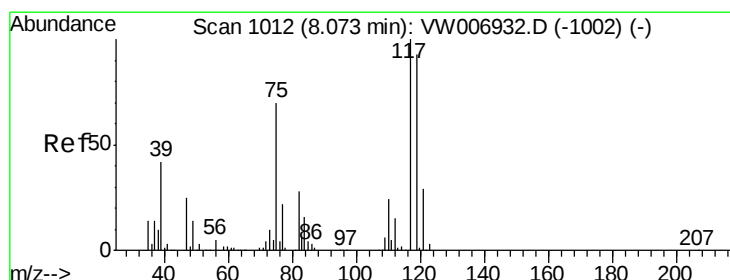
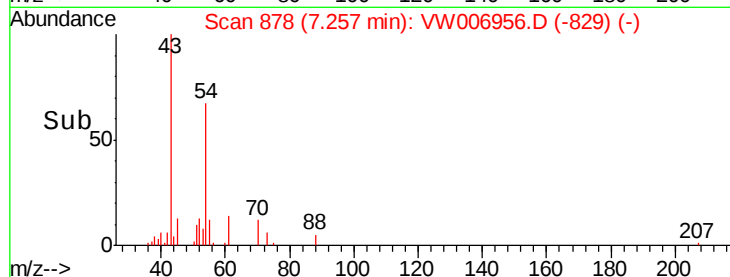
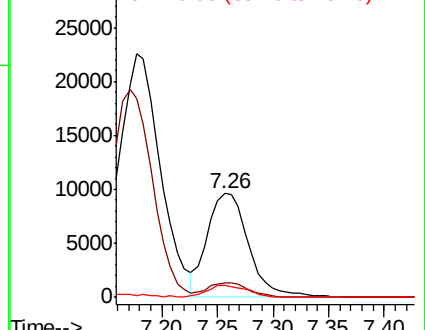


Abundance

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: 49.480 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

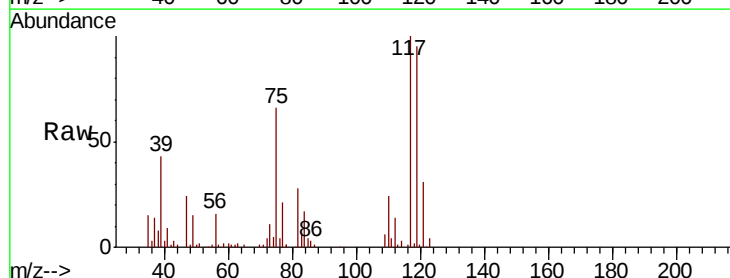
Tgt Ion: 117 Resp: 51648

Ion Ratio Lower Upper

117 100

119 95.3 74.2 111.4

121 30.9 23.5 35.3

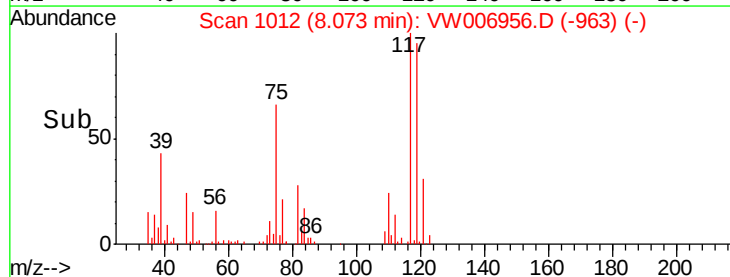
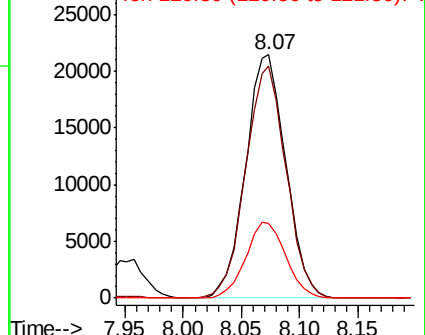


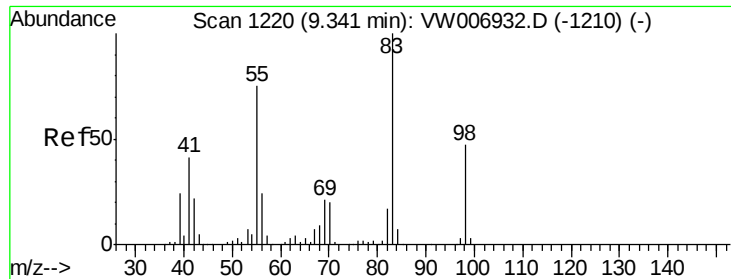
Abundance

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

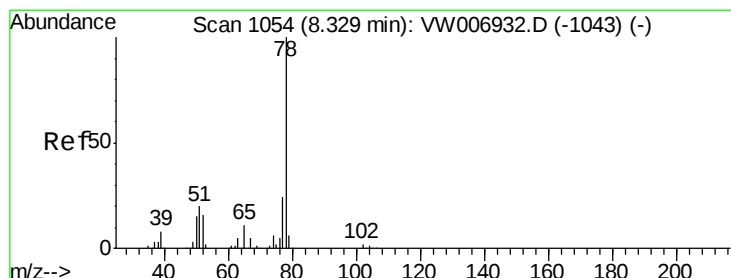
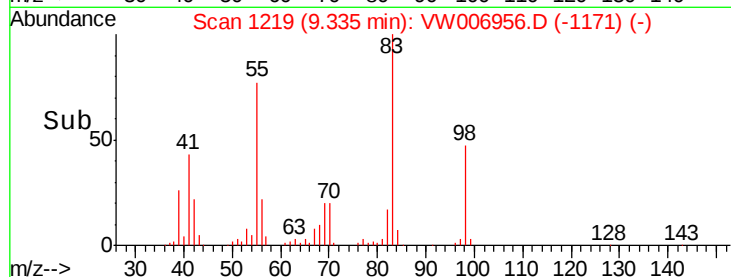
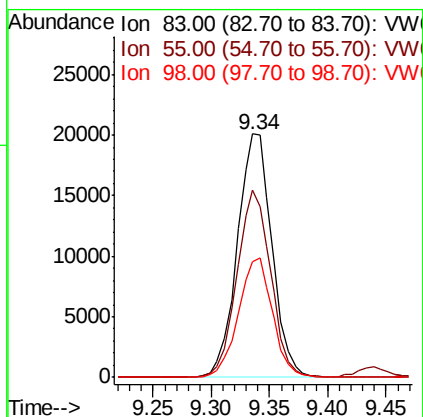
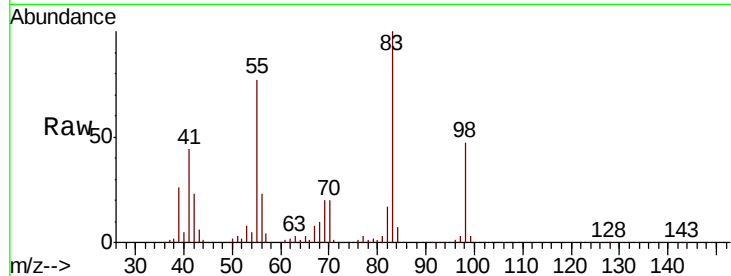




#39
Methvlcvclohexane
Concen: 31.444 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

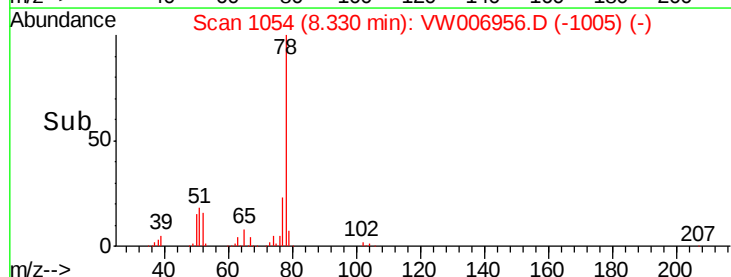
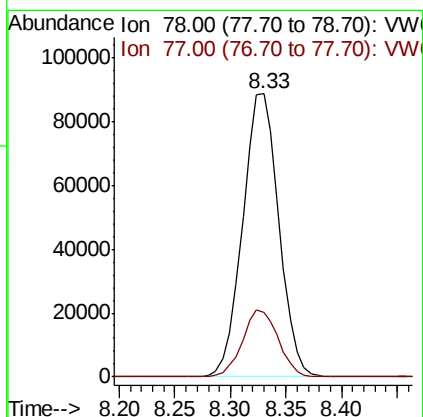
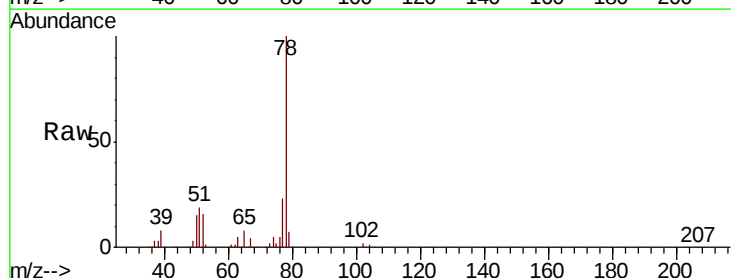
Instrument :
MSVOA_W
ClientSampleId :
DTW-02(11-13)MS

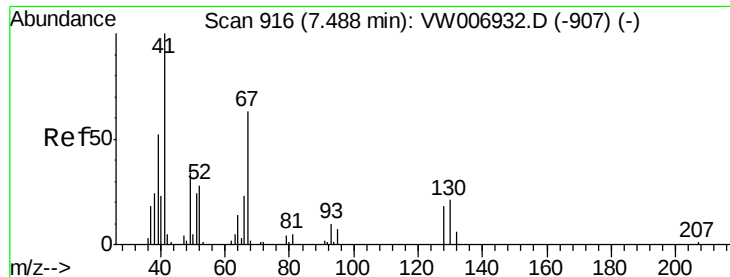
Tot Ion: 83 Resp: 41448
Ion Ratio Lower Upper
83 100
55 76.7 60.2 90.4
98 47.4 37.3 55.9



#40
Benzene
Concen: 66.783 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

Tgt Ion: 78 Resp: 200468
Ion Ratio Lower Upper
78 100
77 22.8 19.3 28.9

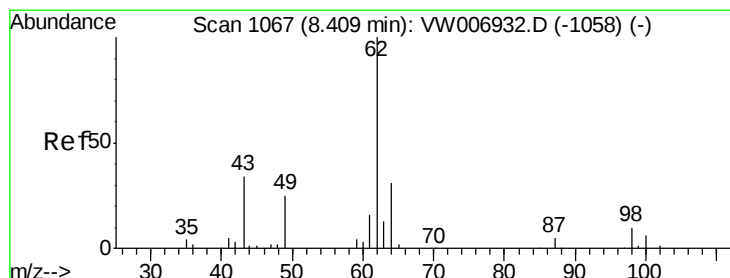
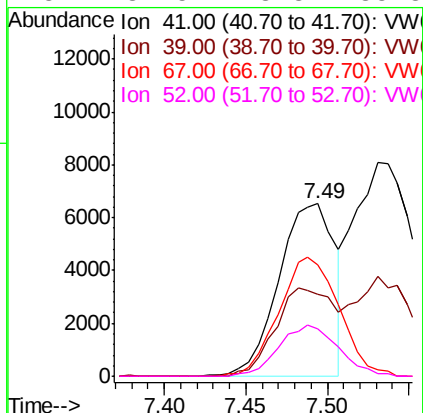
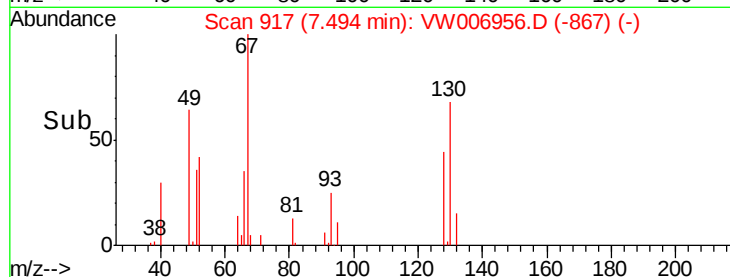
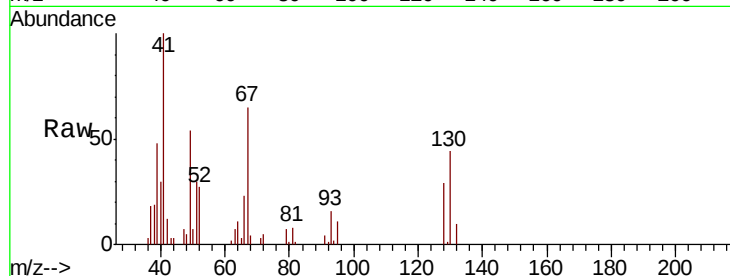




#41
Methacrylonitrile
Concen: 56.295 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

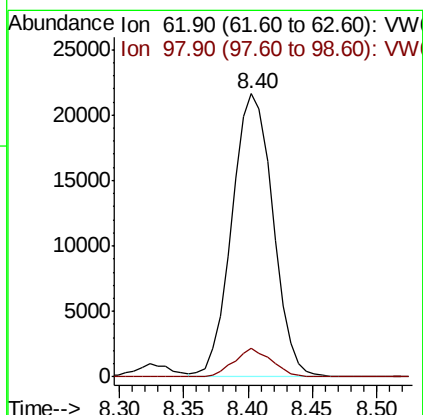
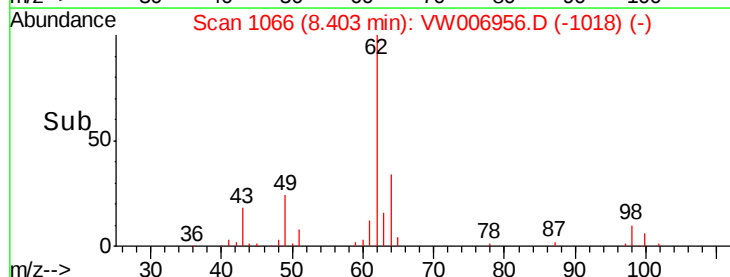
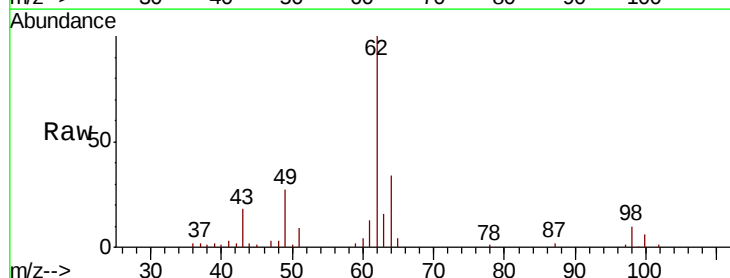
Instrument :
MSVOA_W
ClientSampleId :
DTW-02(11-13)MS

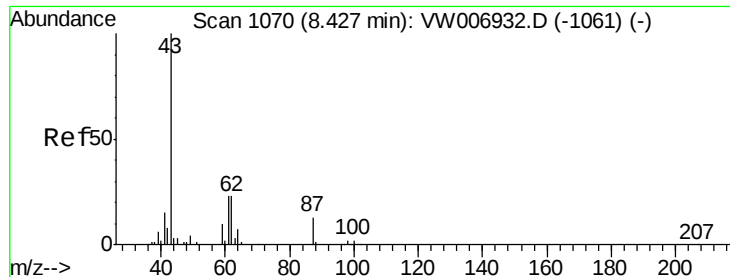
Tot Ion:	41	Resp:	15571
Ion	Ratio	Lower	Upper
41	100		
39	53.2	41.8	62.6
67	73.8	54.7	82.1
52	31.5	23.8	35.8



#42
1,2-Dichloroethane
Concen: 53.235 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

Tgt Ion:	62	Resp:	47838
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2





#43

Isopropyl Acetate

Concen: 54.689 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

DTW-02(11-13)MS

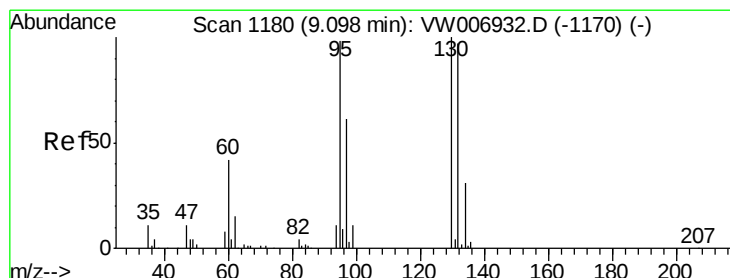
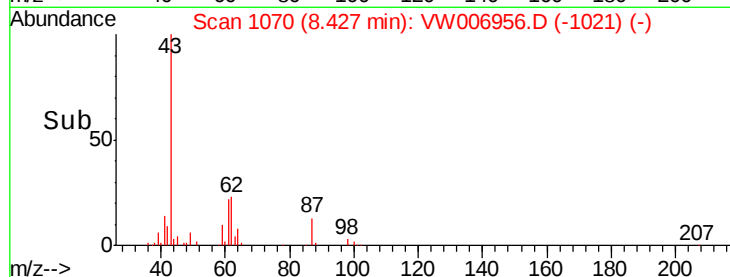
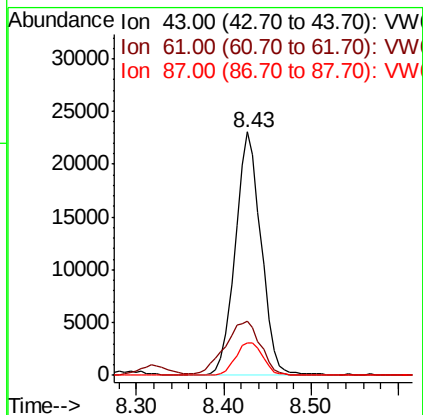
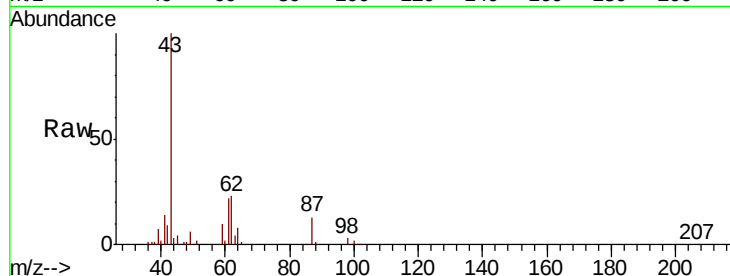
Tot Ion: 43 Resp: 47388

Ion Ratio Lower Upper

43 100

61 30.4 24.6 37.0

87 14.3 11.0 16.6



#44

Trichloroethene

Concen: 43.419 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006956.D

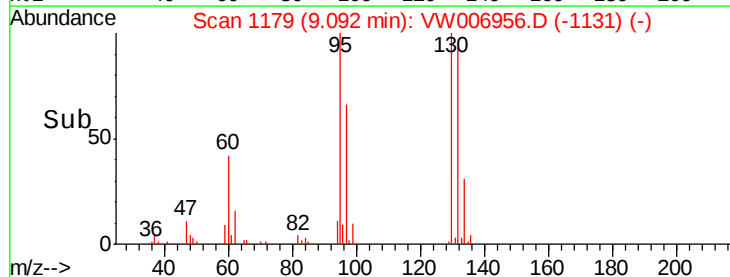
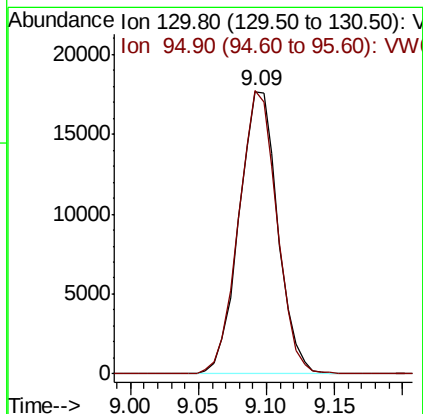
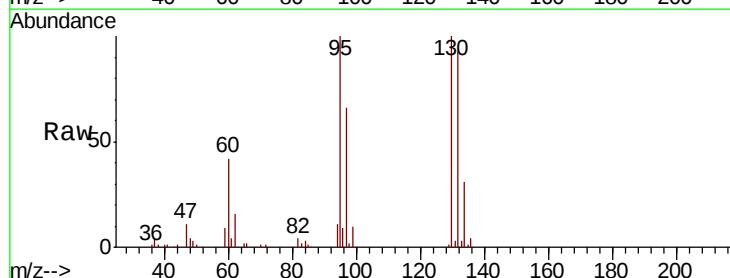
Acq: 19 Nov 2018 21:25

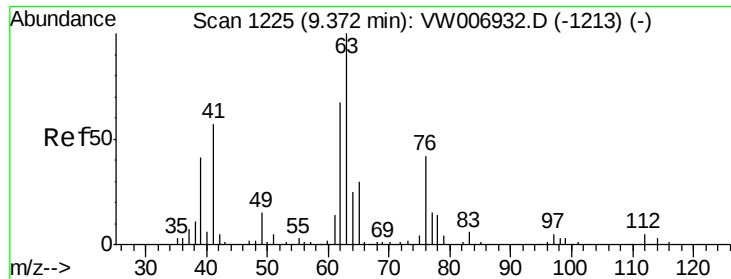
Tgt Ion: 130 Resp: 35044

Ion Ratio Lower Upper

130 100

95 100.2 0.0 196.4

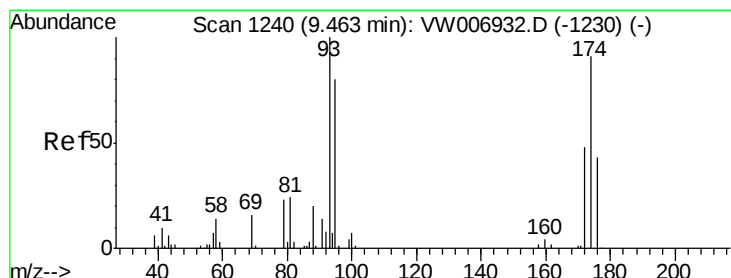
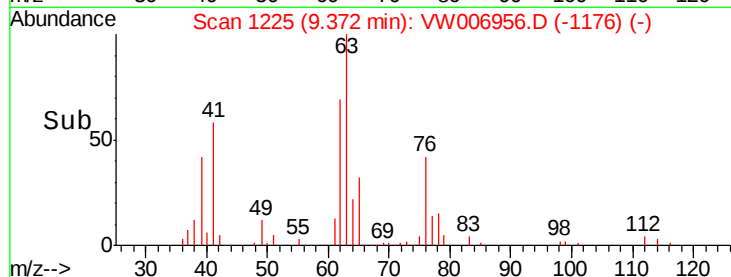
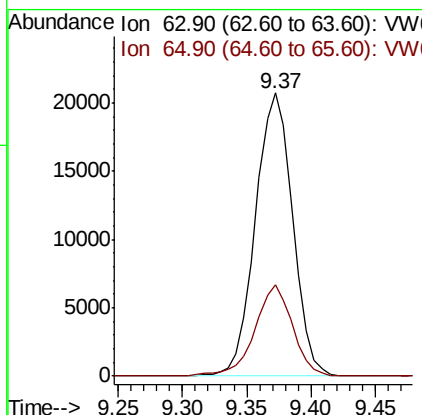
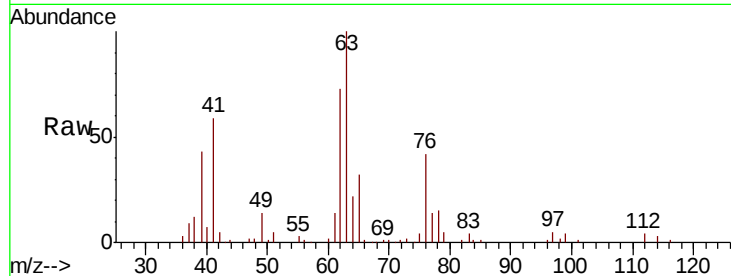




#45
 1,2-Dichloropropane
 Concen: 54.612 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006956.D
 Acq: 19 Nov 2018 21:25

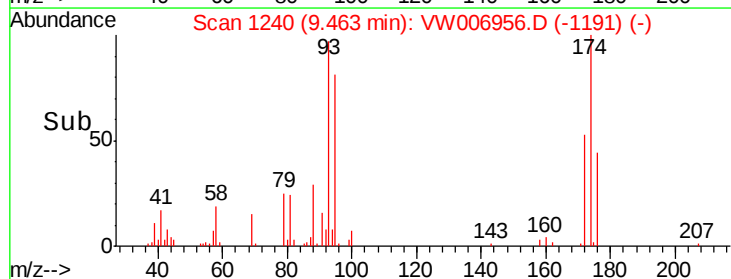
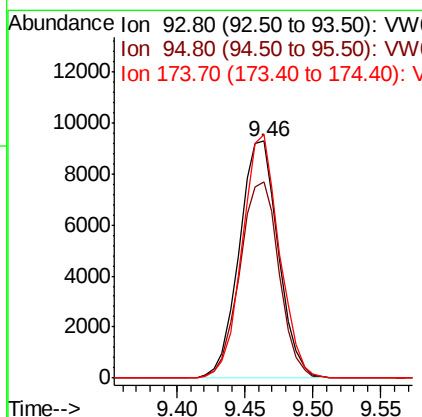
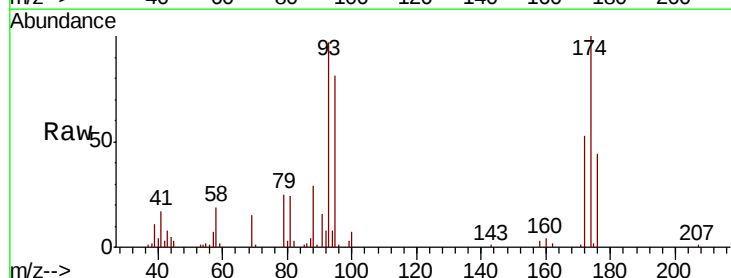
Instrument :
 MSVOA_W
 ClientSampleId :
 DTW-02(11-13)MS

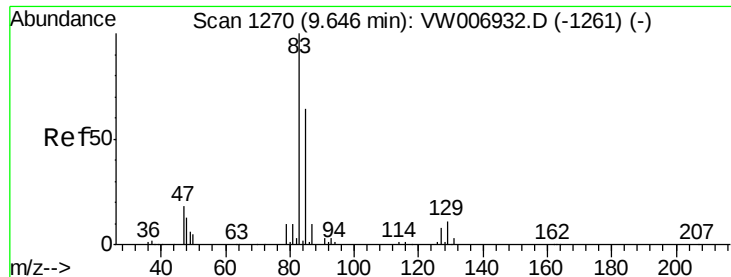
Tot Ion: 63 Resp: 41409
 Ion Ratio Lower Upper
 63 100
 65 32.2 23.9 35.9



#46
 Dibromomethane
 Concen: 48.535 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006956.D
 Acq: 19 Nov 2018 21:25

Tgt Ion: 93 Resp: 18637
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.7 98.5
 174 97.4 75.0 112.4

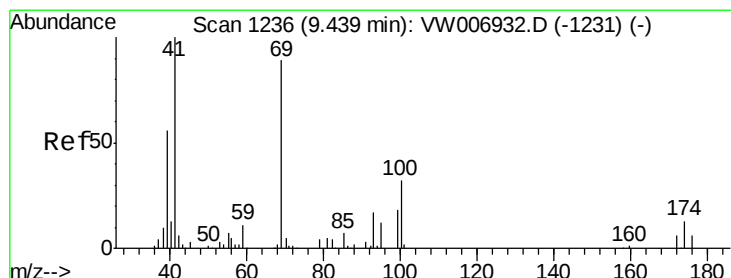
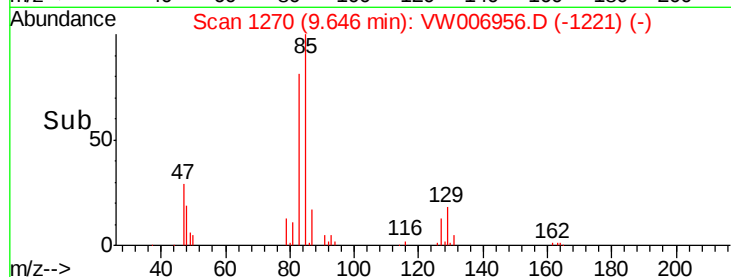
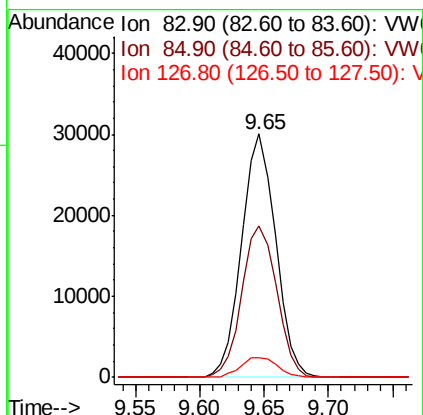
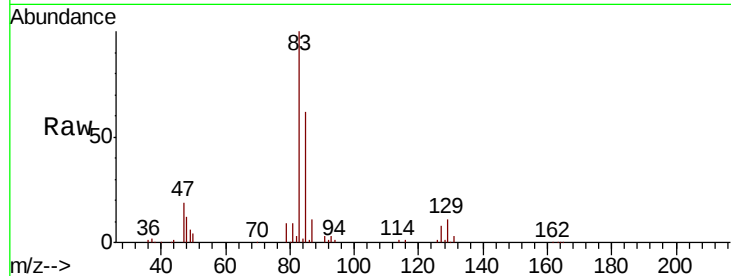




#47
 Bromodichloromethane
 Concen: 54.386 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW006956.D
 Acq: 19 Nov 2018 21:25

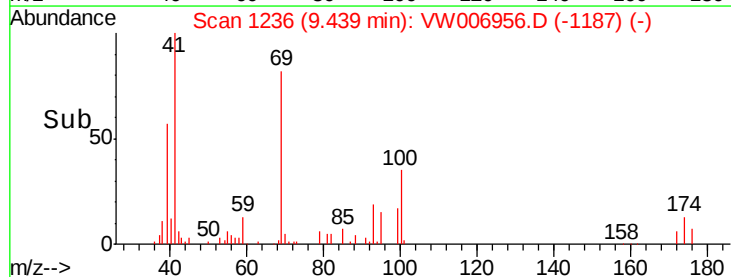
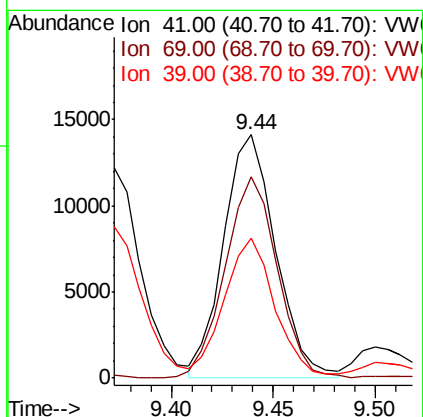
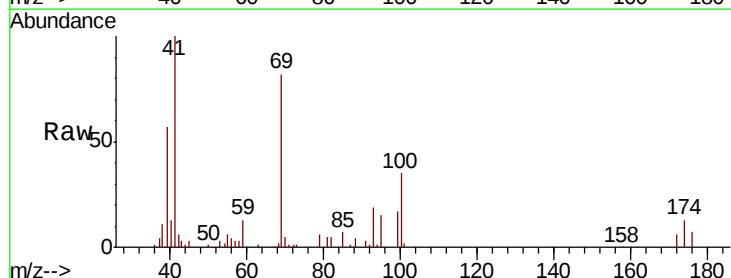
Instrument :
 MSVOA_W
 ClientSampleId :
 DTW-02(11-13)MS

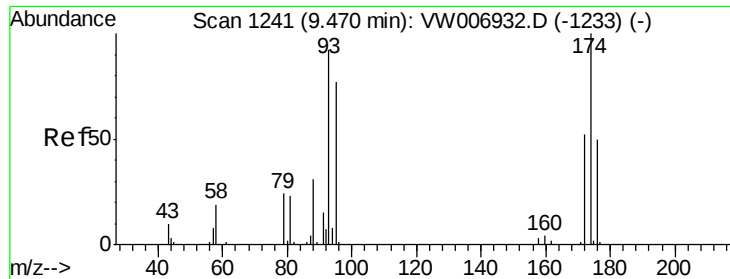
Tot Ion	83	Resp	54991
Ion Ratio	100		
Lower	50.8		
Upper	76.2		
85	62.2		
127	8.0		
	6.6		
	10.0		



#48
 Methyl methacrylate
 Concen: 59.556 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VW006956.D
 Acq: 19 Nov 2018 21:25

Tgt Ion	41	Resp	24902
Ion Ratio	100		
Lower	73.4		
Upper	110.0		
69	83.3		
39	56.1		
	46.1		
	69.1		

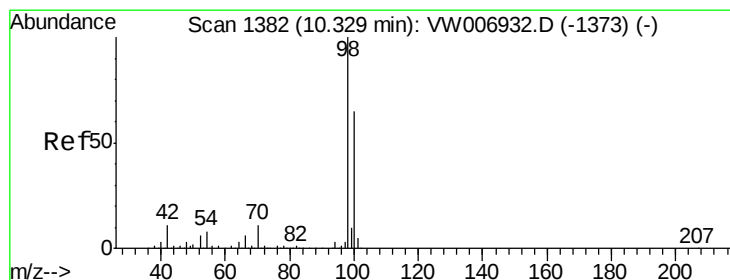
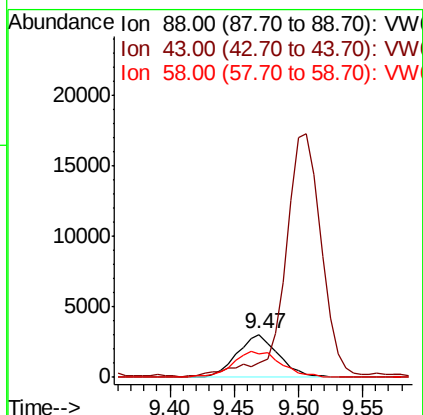
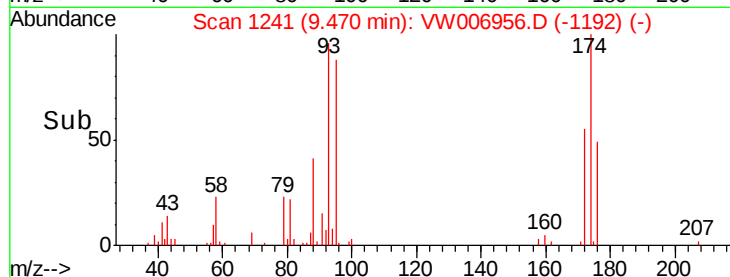
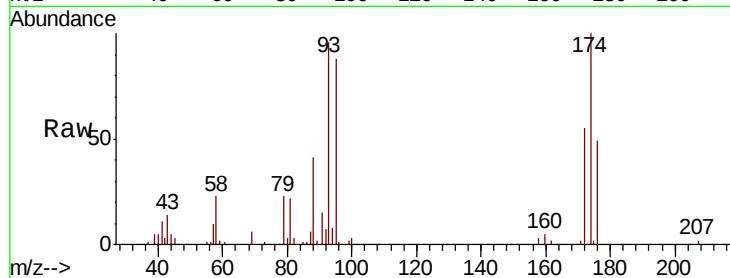




#49
1,4-Dioxane
Concen: 1162.770 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

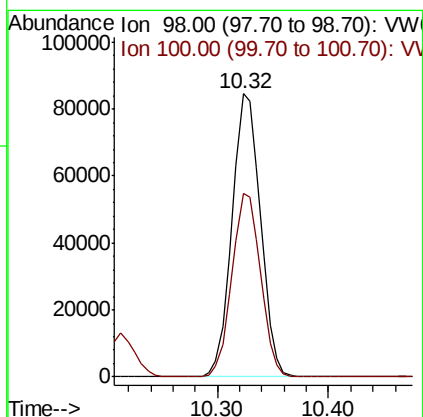
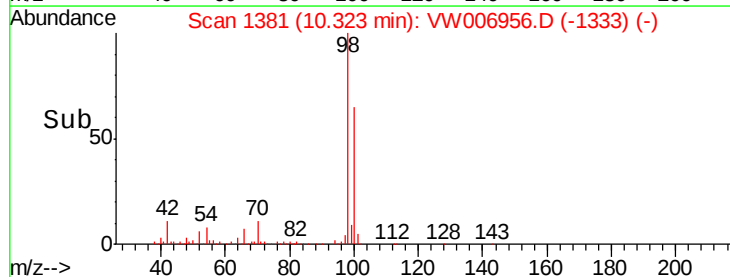
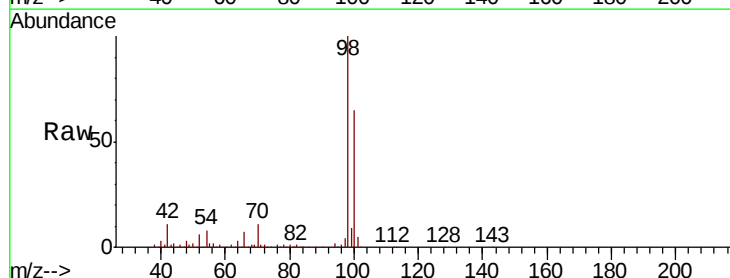
Instrument :
MSVOA_W
ClientSampleId :
DTW-02(11-13)MS

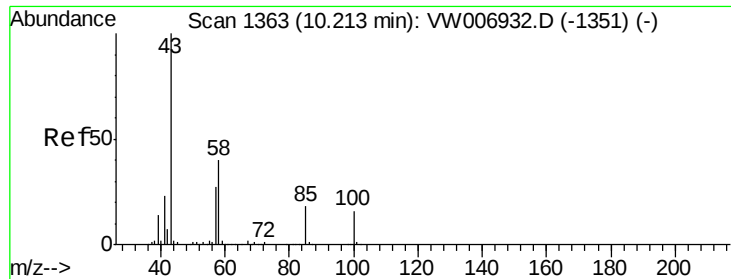
Tot Ion: 88 Resp: 6766
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 70.0 57.4 86.2



#50
Toluene-d8
Concen: 53.410 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

Tgt Ion: 98 Resp: 149833
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5

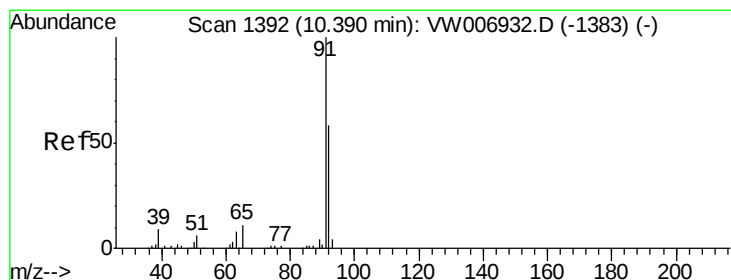
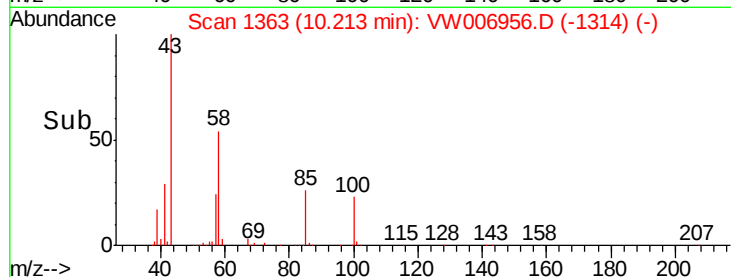
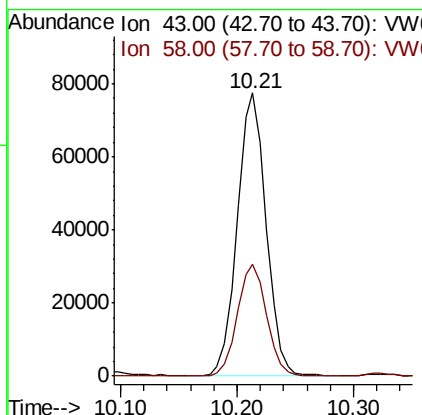
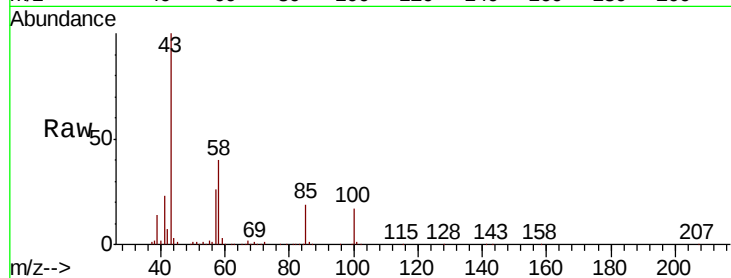




#51
4-Methyl-2-Pentanone
Concen: 313.640 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

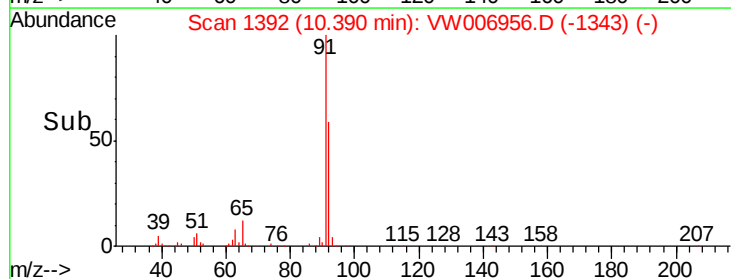
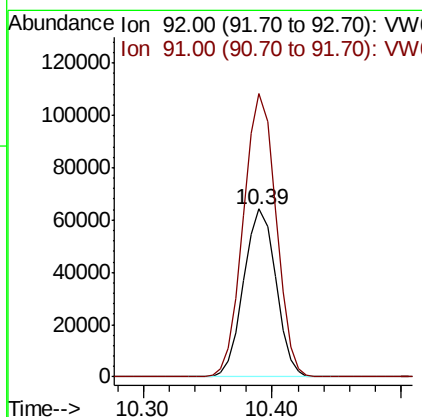
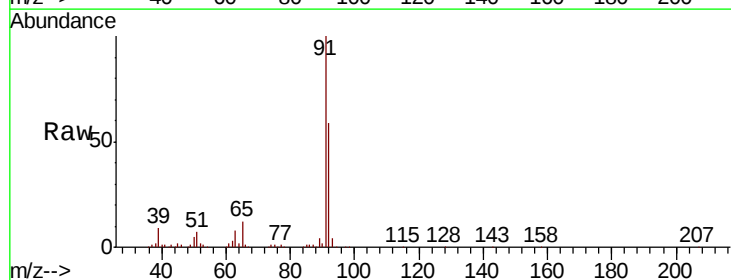
Instrument :
MSVOA_W
ClientSampleId :
DTW-02(11-13)MS

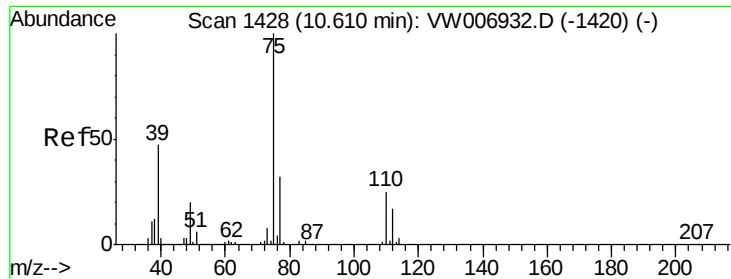
Tot Ion: 43 Resp: 133944
Ion Ratio Lower Upper
43 100
58 40.0 31.0 46.4



#52
Toluene
Concen: 55.392 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

Tgt Ion: 92 Resp: 111239
Ion Ratio Lower Upper
92 100
91 170.5 137.3 205.9

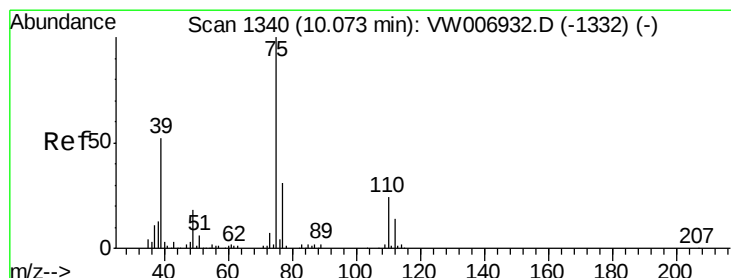
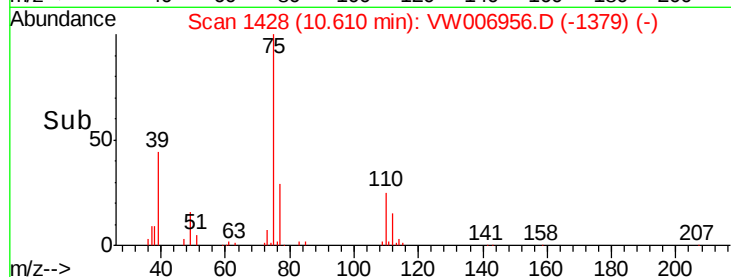
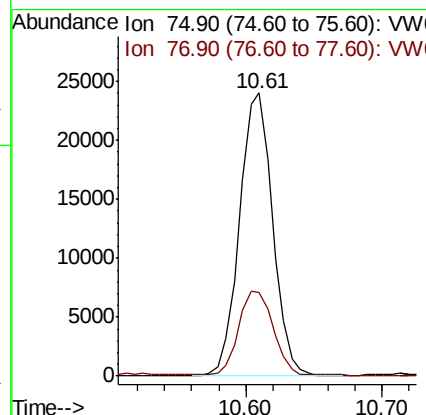
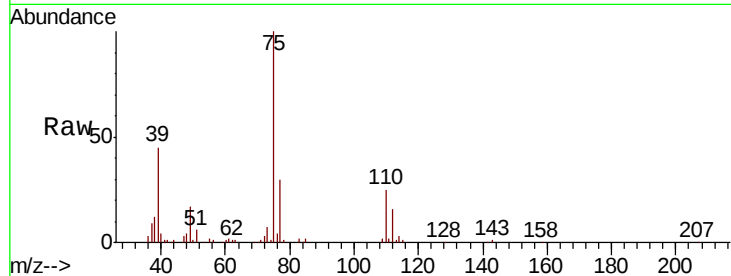




#53
 t-1,3-Dichloropropene
 Concen: 41.318 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW006956.D
 Acq: 19 Nov 2018 21:25

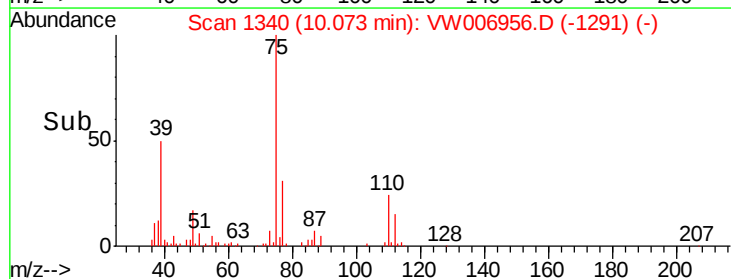
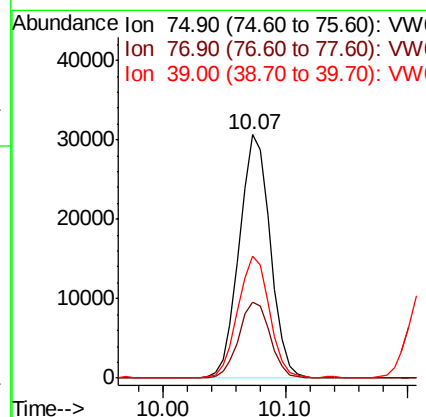
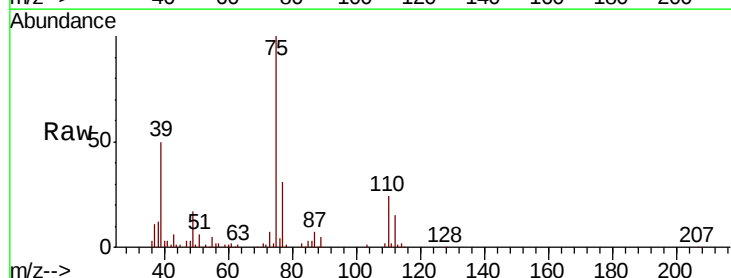
Instrument :
 MSVOA_W
 ClientSampleId :
 DTW-02(11-13)MS

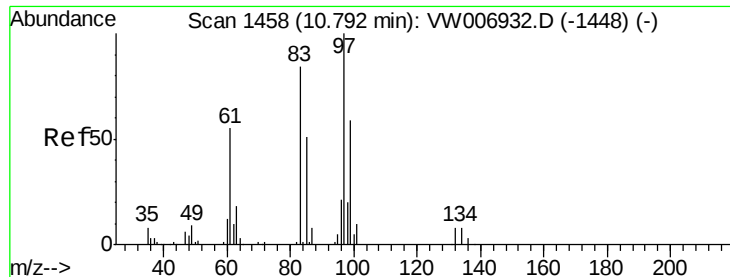
Tot Ion: 75 Resp: 40828
 Ion Ratio Lower Upper
 75 100
 77 29.3 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 45.419 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW006956.D
 Acq: 19 Nov 2018 21:25

Tgt Ion: 75 Resp: 53709
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.6 37.0
 39 50.3 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 59.024 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

DTW-02(11-13)MS

Tot Ion: 97 Resp: 33419

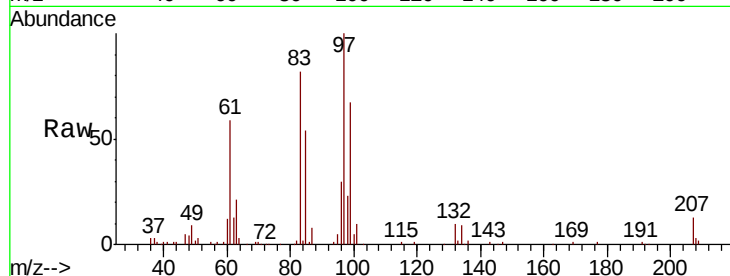
Ion Ratio Lower Upper

97 100

83 82.6 67.5 101.3

85 54.3 41.0 61.6

99 67.3 47.4 71.2

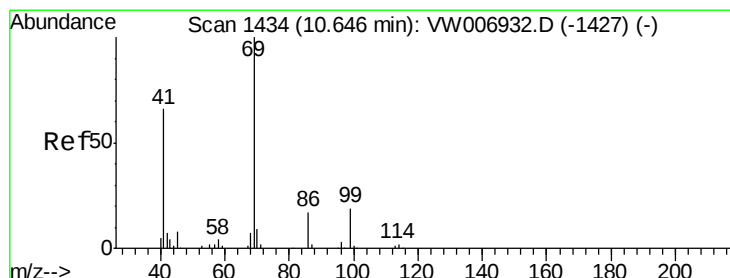
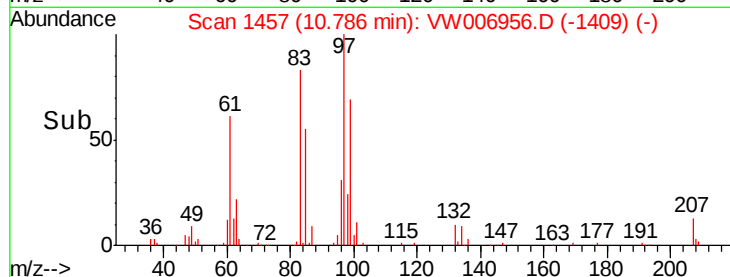
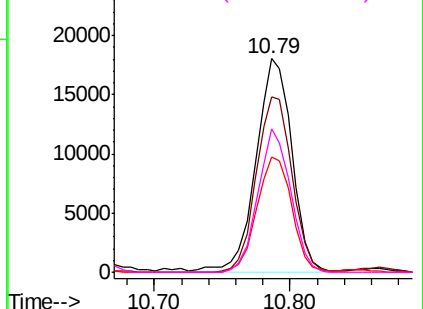


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 58.435 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

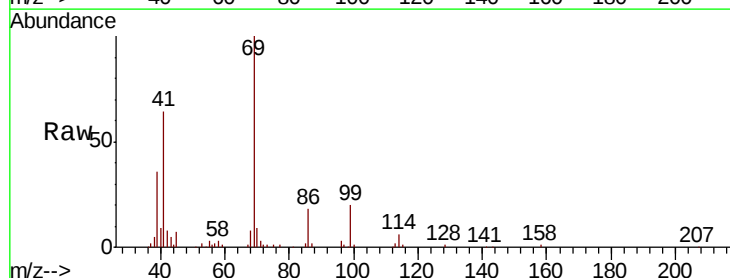
Tgt Ion: 69 Resp: 41134

Ion Ratio Lower Upper

69 100

41 66.9 53.8 80.6

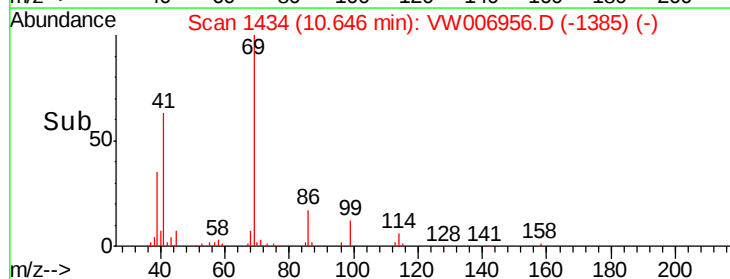
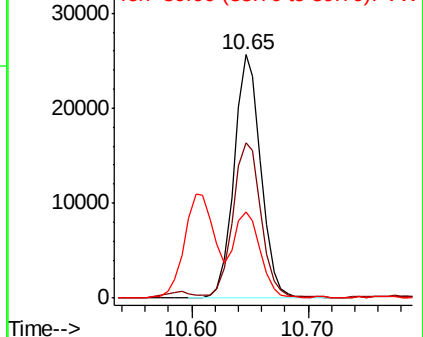
39 34.5 29.0 43.6

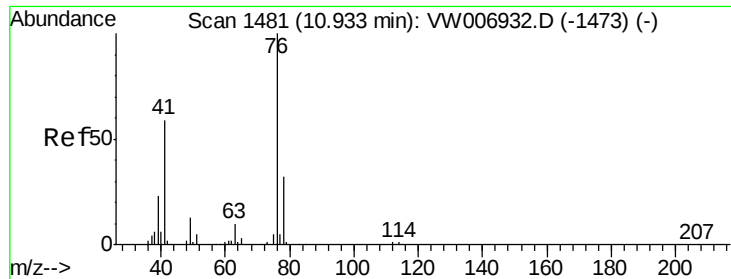


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

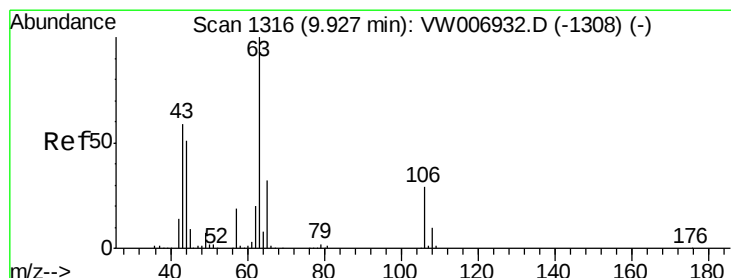
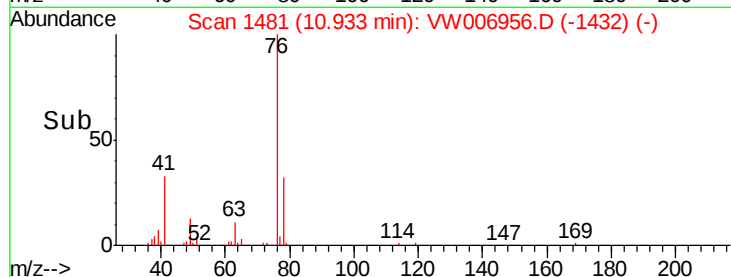
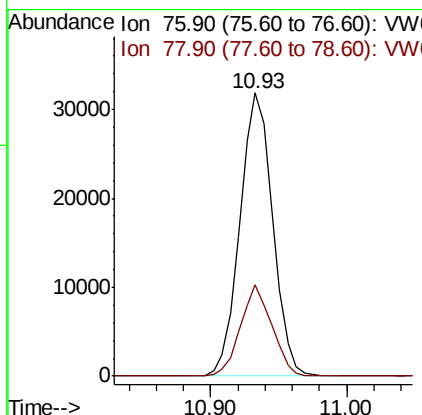
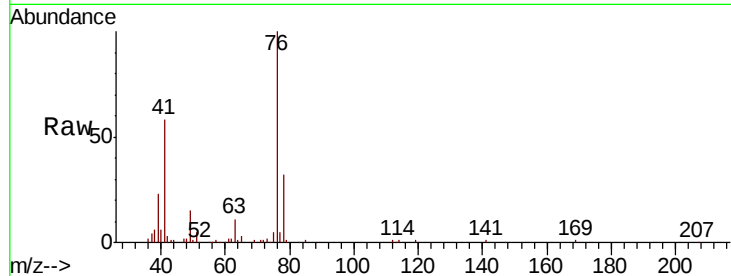




#57
 1,3-Dichloropropane
 Concen: 55.667 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW006956.D
 Acq: 19 Nov 2018 21:25

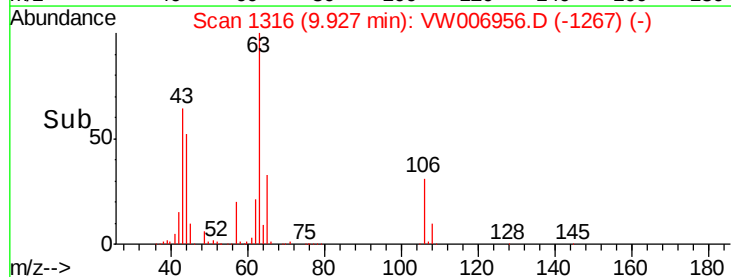
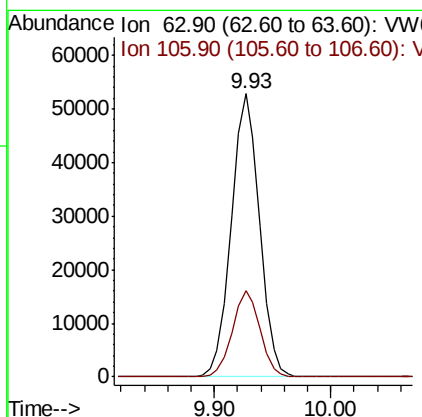
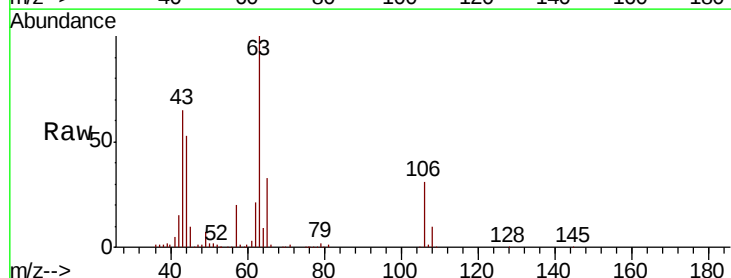
Instrument :
 MSVOA_W
 ClientSampleId :
 DTW-02(11-13)MS

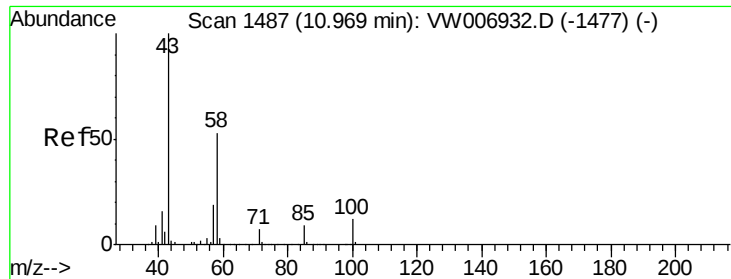
Tot Ion: 76 Resp: 53624
 Ion Ratio Lower Upper
 76 100
 78 30.9 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.117 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006956.D
 Acq: 19 Nov 2018 21:25

Tgt Ion: 63 Resp: 88980
 Ion Ratio Lower Upper
 63 100
 106 29.8 22.6 33.8

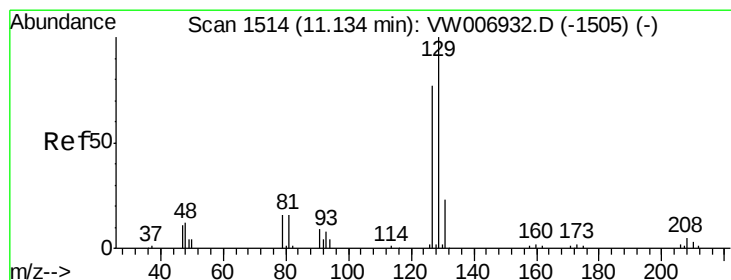
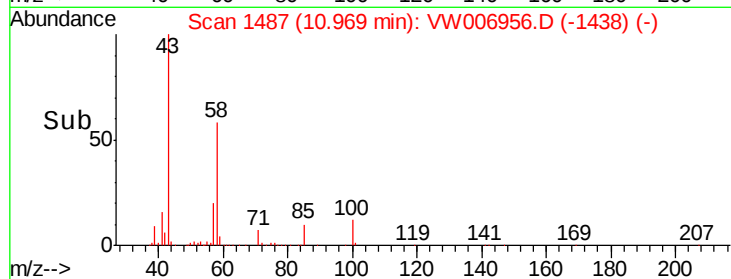
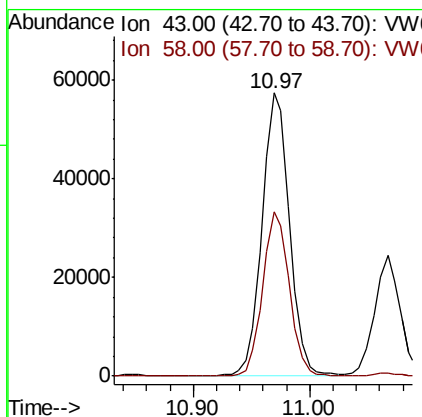
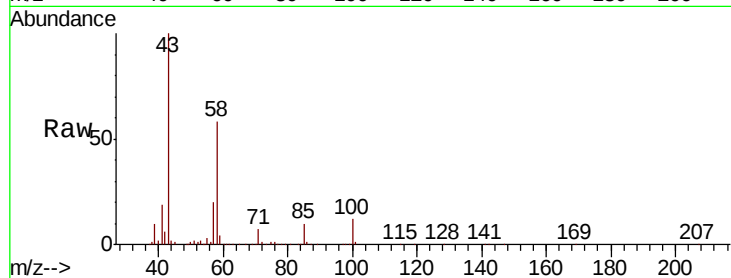




#59
2-Hexanone
Concen: 330.911 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

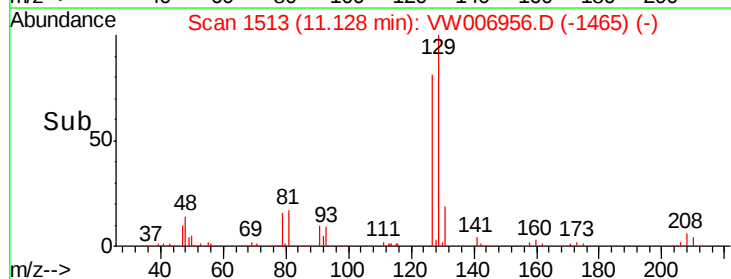
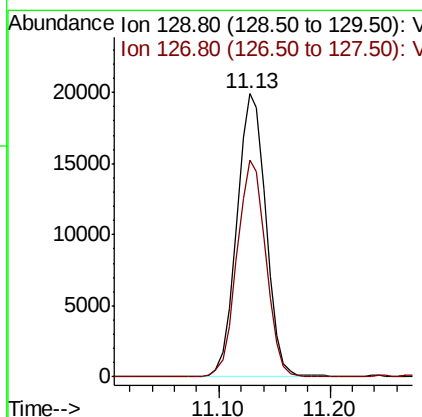
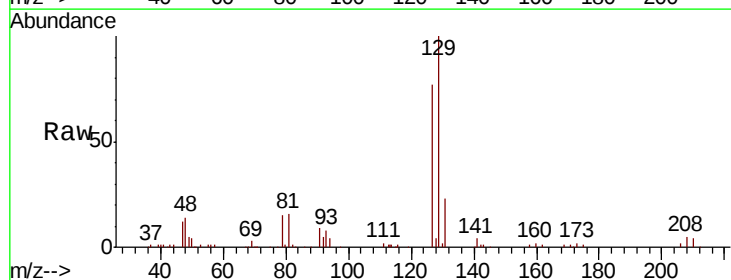
Instrument :
MSVOA_W
ClientSampleId :
DTW-02(11-13)MS

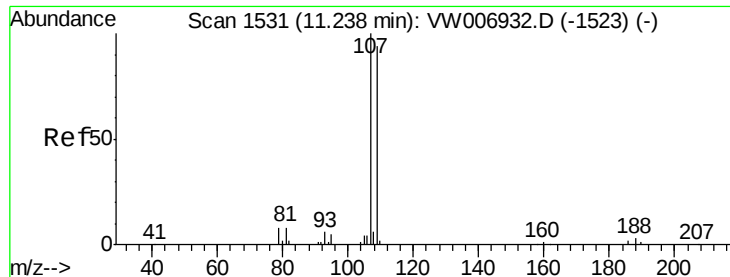
Tot Ion: 43 Resp: 94581
Ion Ratio Lower Upper
43 100
58 56.4 26.8 80.4



#60
Dibromochloromethane
Concen: 55.637 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

Tgt Ion: 129 Resp: 35922
Ion Ratio Lower Upper
129 100
127 75.9 38.1 114.3





#61

1,2-Dibromoethane

Concen: 50.493 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

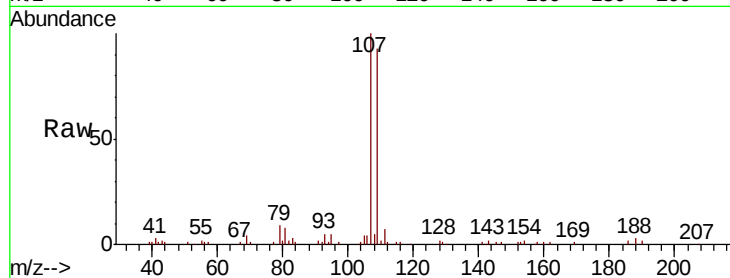
DTW-02(11-13)MS

Tot Ion:107 Resp: 26570

Ion Ratio Lower Upper

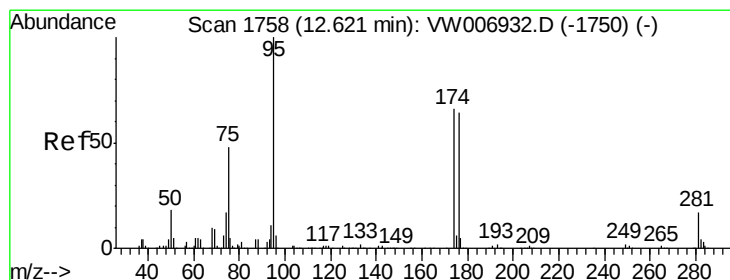
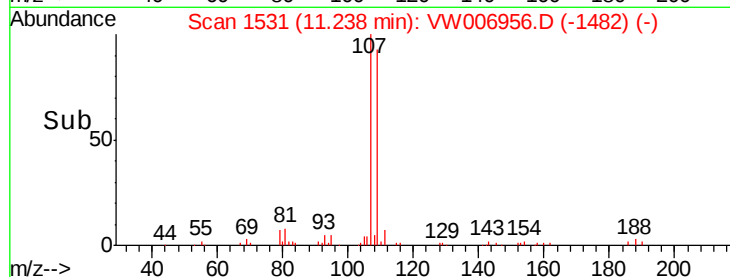
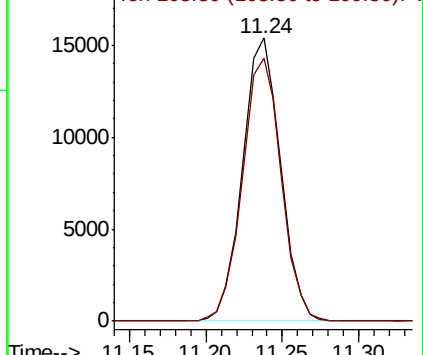
107 100

109 94.8 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.738 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

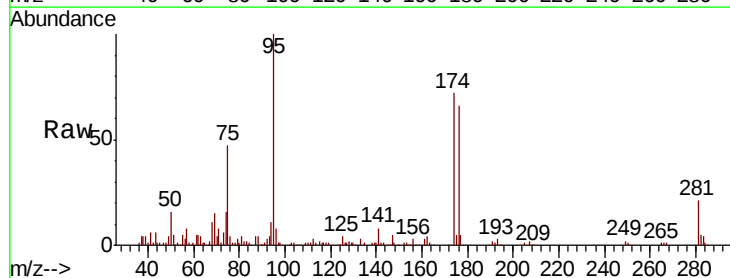
Tgt Ion: 95 Resp: 50032

Ion Ratio Lower Upper

95 100

174 72.6 0.0 138.4

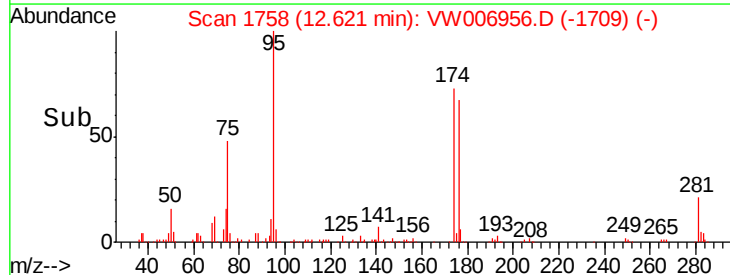
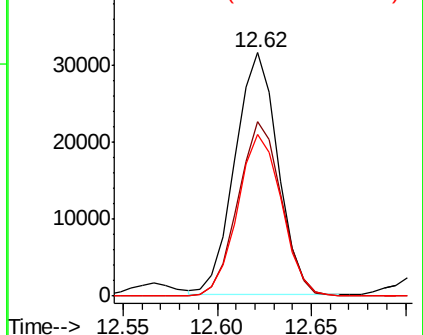
176 68.1 0.0 133.4

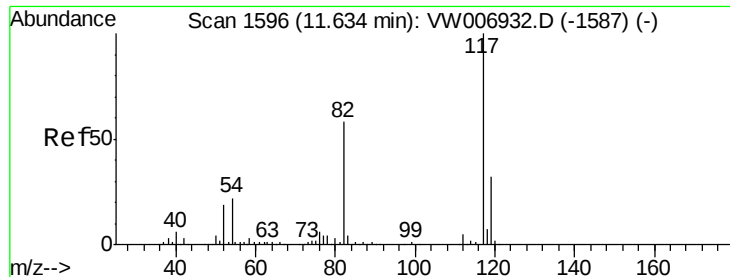


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

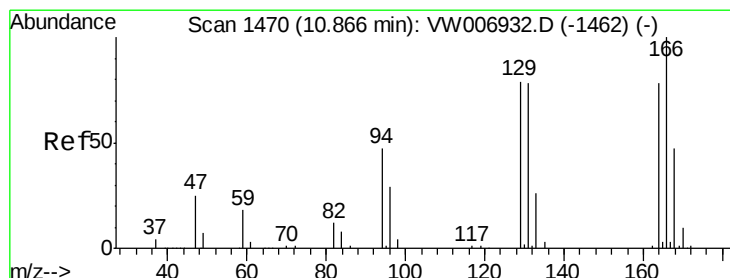
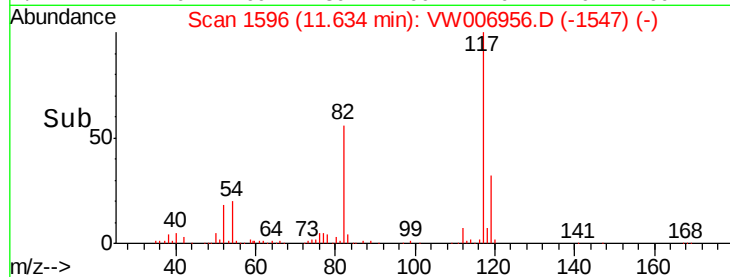
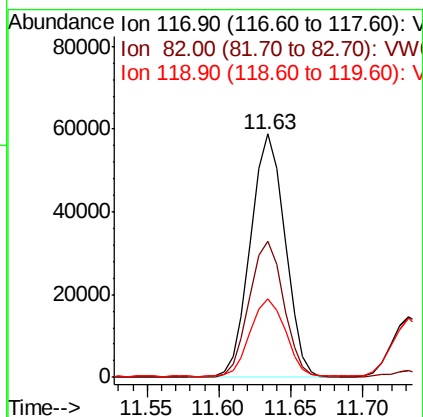
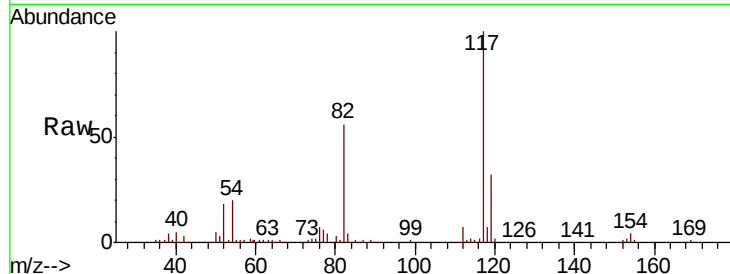




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

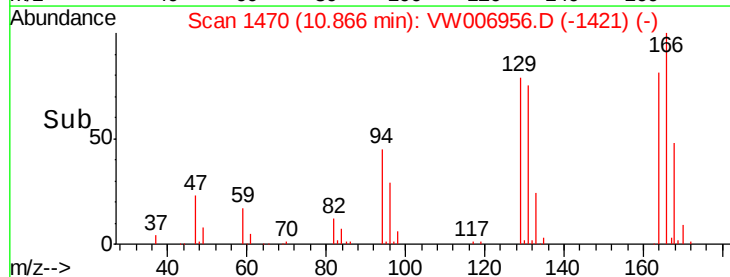
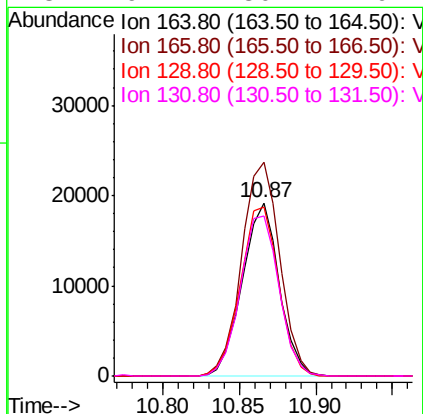
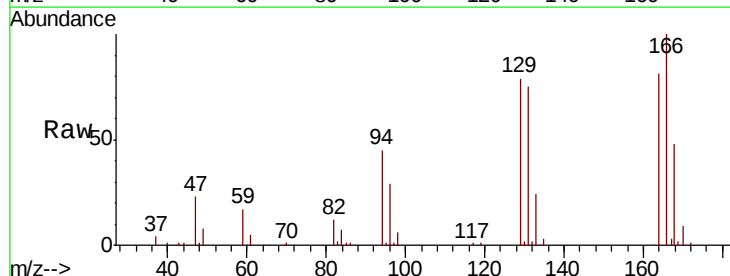
Instrument :
MSVOA_W
ClientSampleId :
DTW-02(11-13)MS

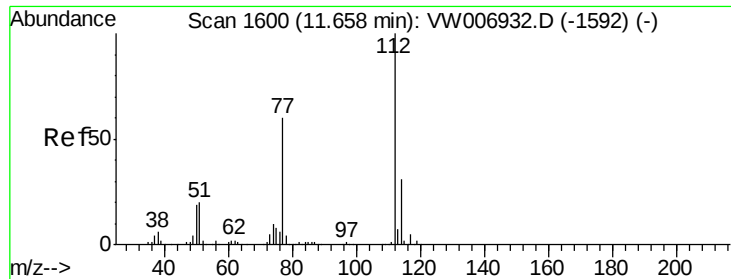
Tot Ion:117 Resp: 97782
Ion Ratio Lower Upper
117 100
82 55.7 46.2 69.2
119 31.8 25.5 38.3



#64
Tetrachloroethene
Concen: 50.871 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

Tgt Ion:164 Resp: 32021
Ion Ratio Lower Upper
164 100
166 123.5 102.6 154.0
129 98.0 81.0 121.4
131 92.7 80.2 120.2

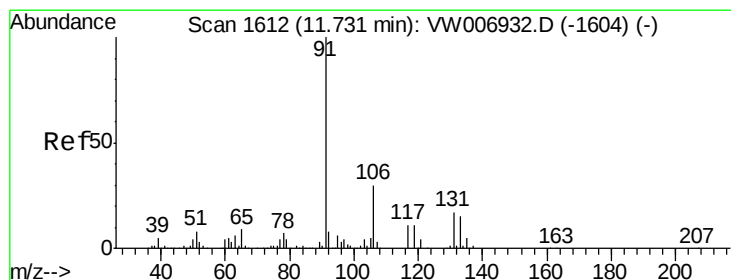
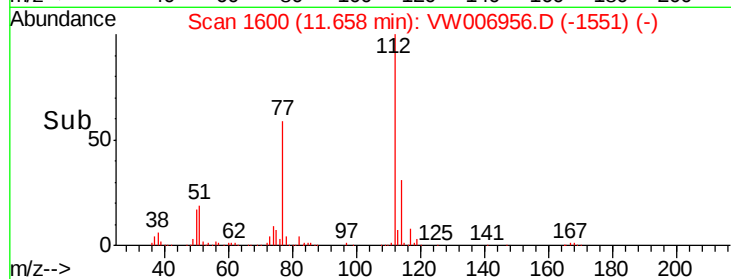
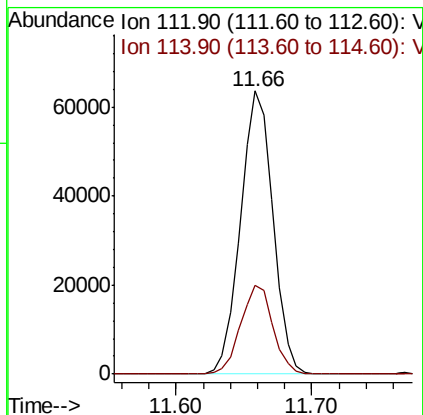
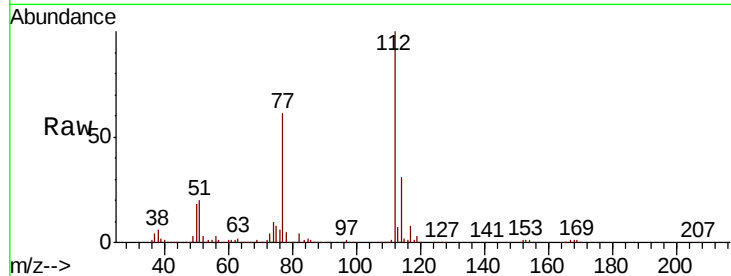




#65
Chlorobenzene
Concen: 51.365 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

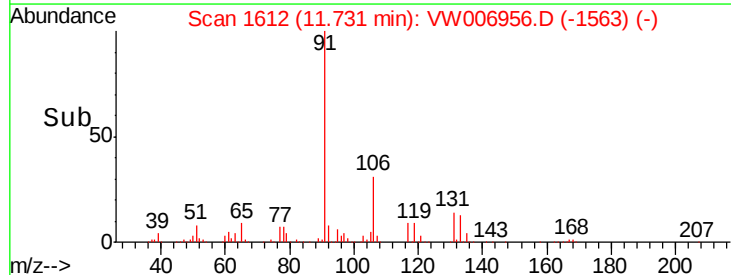
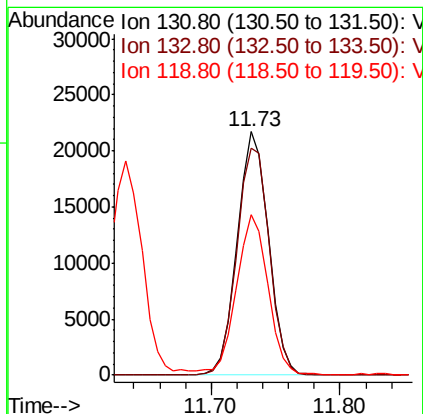
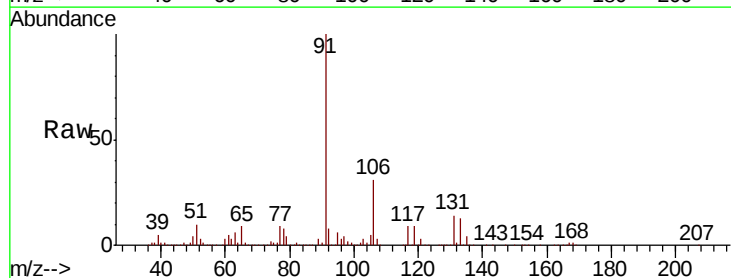
Instrument :
MSVOA_W
ClientSampleId :
DTW-02(11-13)MS

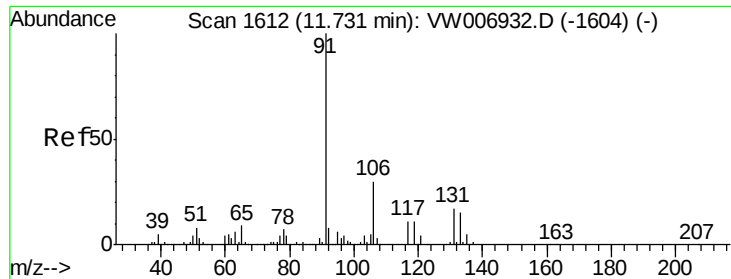
Tot Ion:112 Resp: 106052
Ion Ratio Lower Upper
112 100
114 31.2 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 55.369 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

Tgt Ion:131 Resp: 36431
Ion Ratio Lower Upper
131 100
133 96.8 47.2 141.6
119 66.1 32.5 97.4

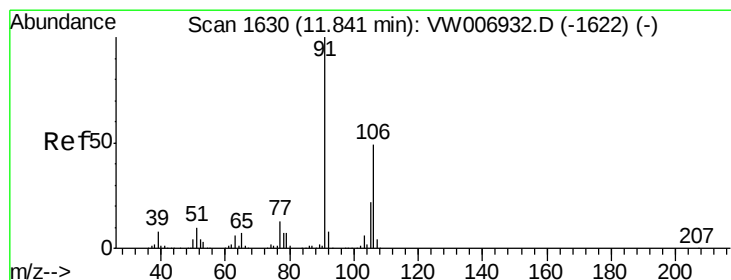
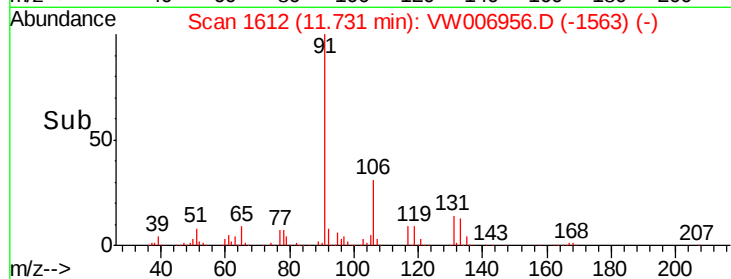
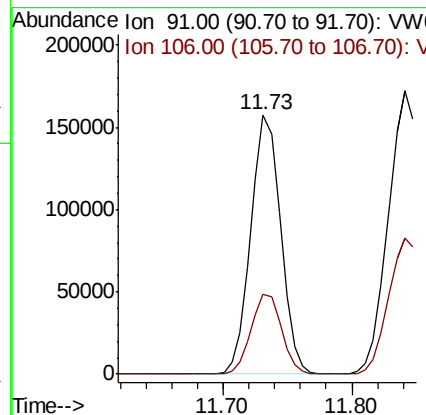
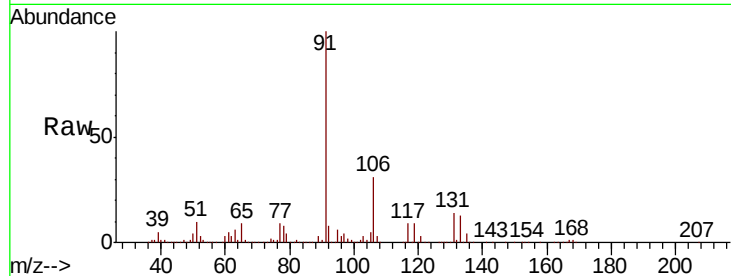




#67
Ethyl Benzene
Concen: 67.825 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

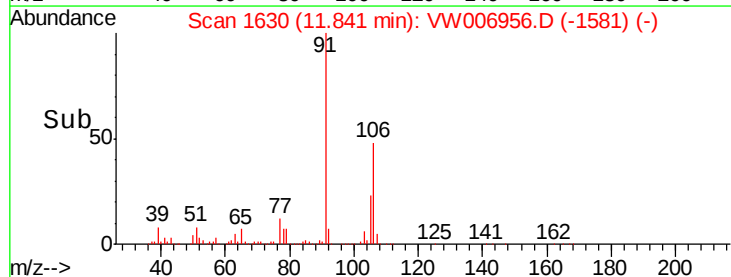
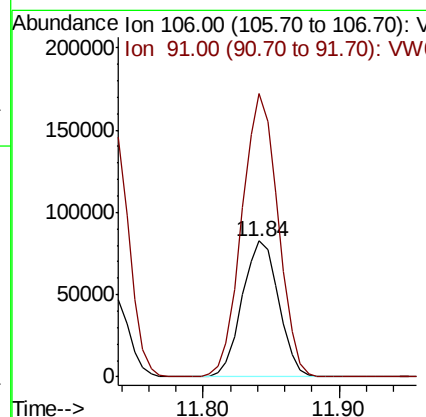
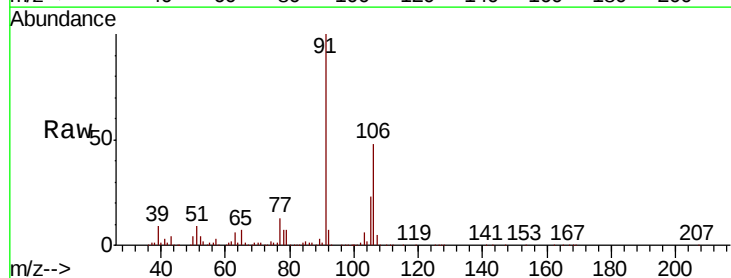
Instrument :
MSVOA_W
ClientSampleId :
DTW-02(11-13)MS

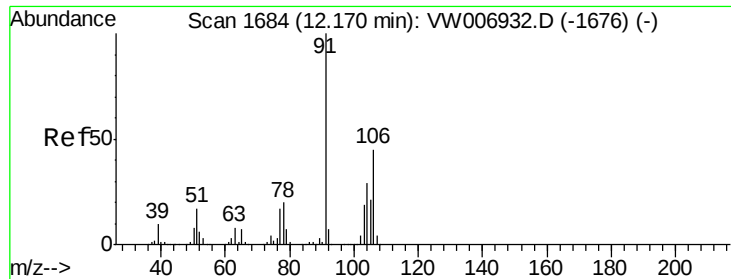
Tot Ion: 91 Resp: 252477
Ion Ratio Lower Upper
91 100
106 30.9 24.0 36.0



#68
m/p-Xylenes
Concen: 106.834 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

Tgt Ion: 106 Resp: 154865
Ion Ratio Lower Upper
106 100
91 206.5 165.0 247.4

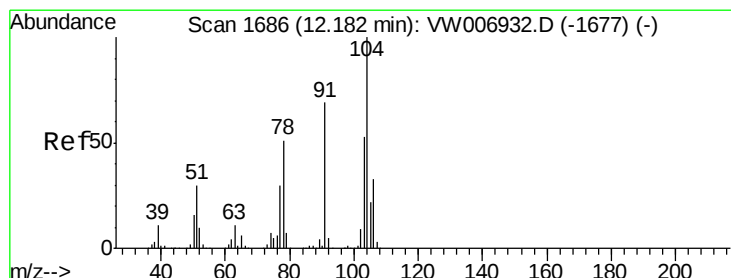
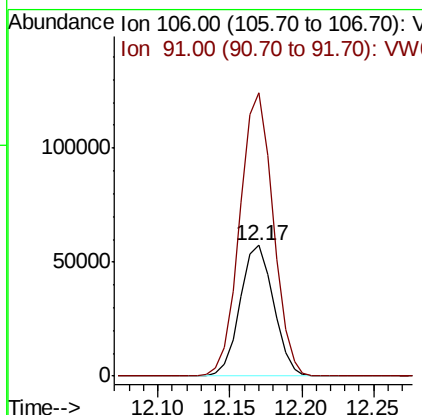
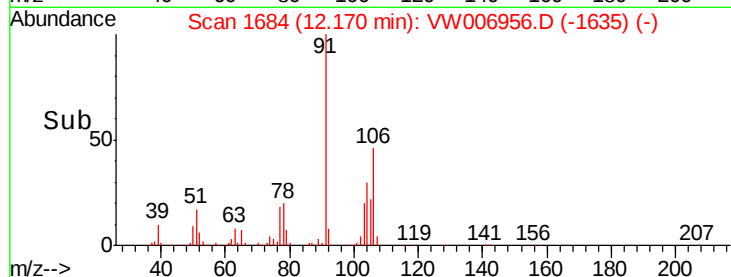
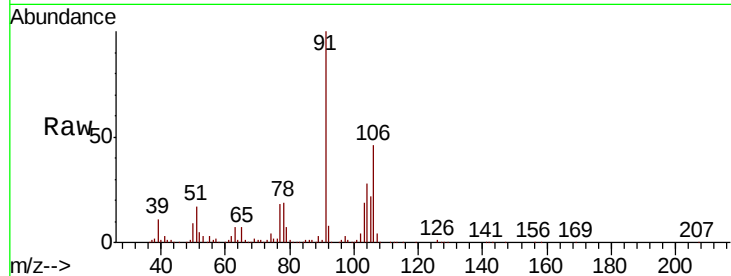




#69
o-Xylene
Concen: 67.382 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

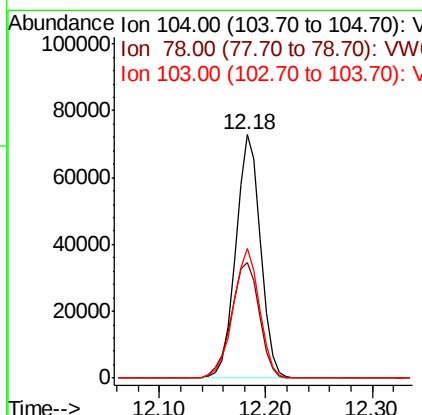
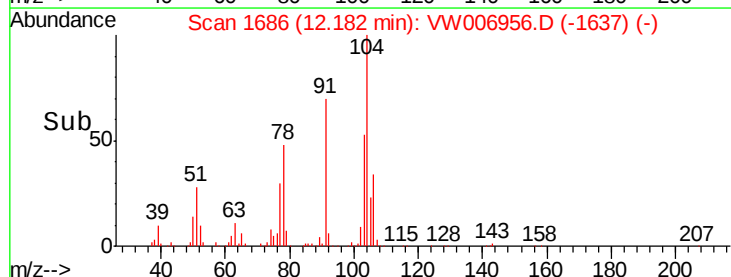
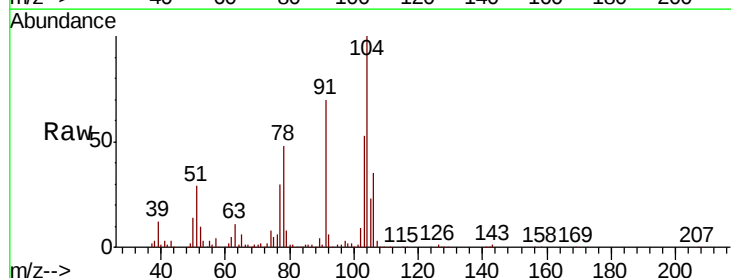
Instrument :
MSVOA_W
ClientSampleId :
DTW-02(11-13)MS

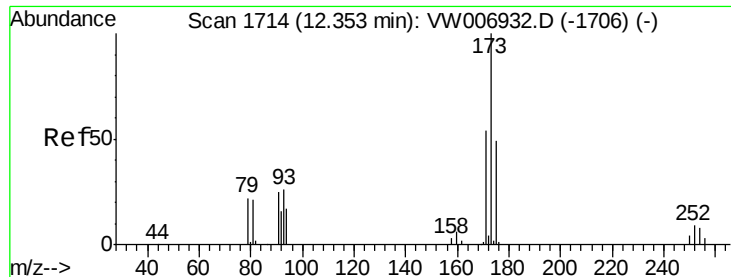
Tot Ion:106 Resp: 92705
Ion Ratio Lower Upper
106 100
91 215.6 109.2 327.6



#70
Styrene
Concen: 53.549 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

Tgt Ion:104 Resp: 118475
Ion Ratio Lower Upper
104 100
78 54.1 42.5 63.7
103 56.8 44.3 66.5





#71

Bromoform

Concen: 59.789 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

DTW-02(11-13)MS

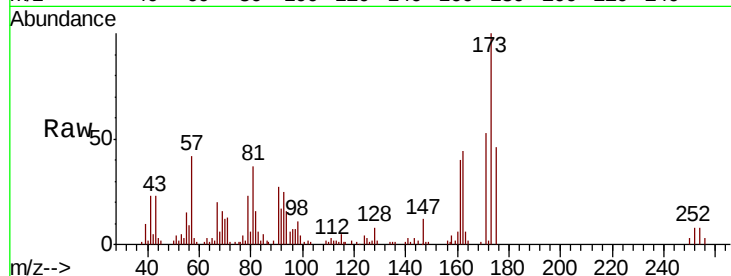
Tot Ion:173 Resp: 18340

Ion Ratio Lower Upper

173 100

175 47.0 24.0 72.0

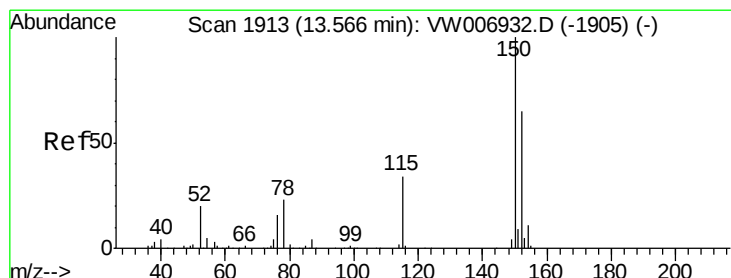
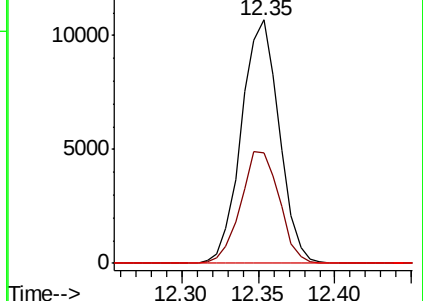
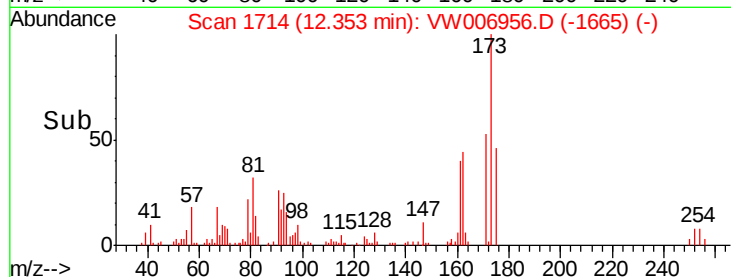
254 0.0 0.0 0.0



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: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

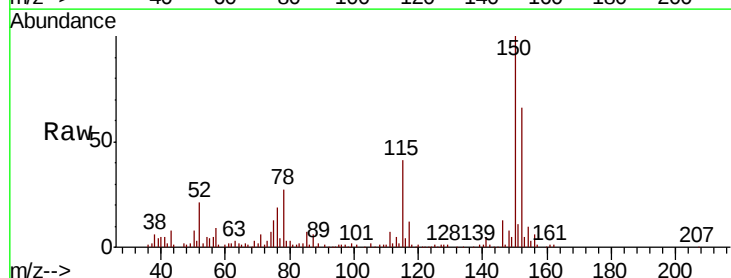
Tgt Ion:152 Resp: 36746

Ion Ratio Lower Upper

152 100

115 62.6 31.6 94.7

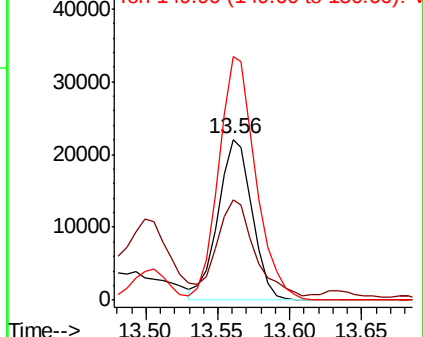
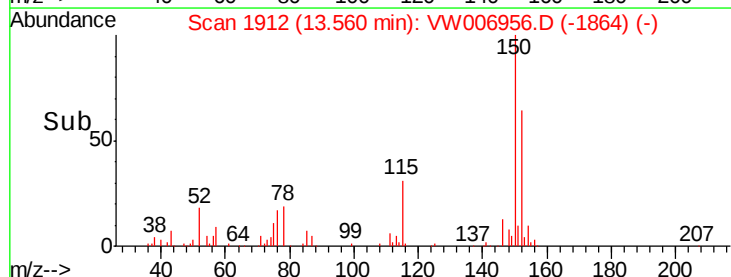
150 163.6 0.0 350.0

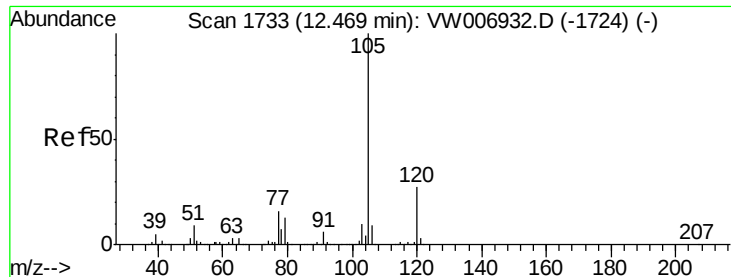


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 63.350 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

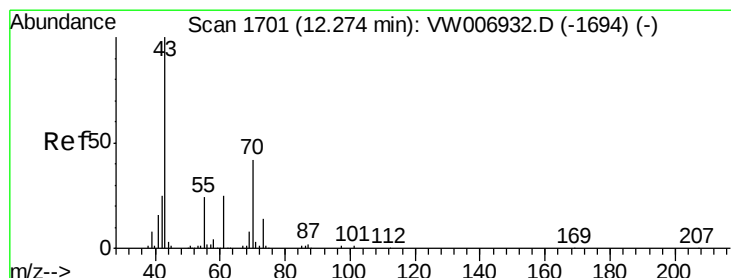
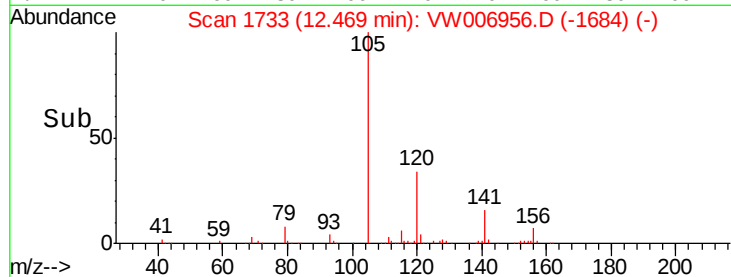
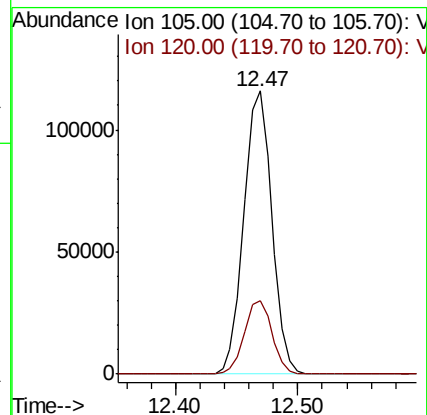
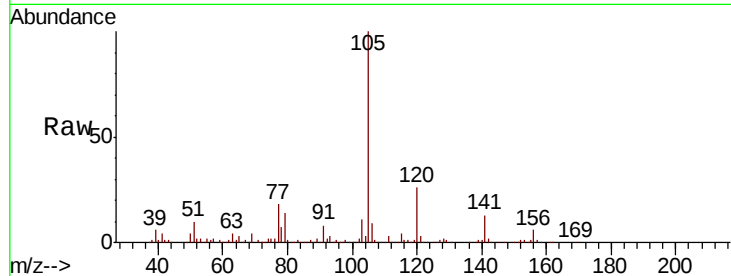
DTW-02(11-13)MS

Tot Ion:105 Resp: 184354

Ion Ratio Lower Upper

105 100

120 25.8 13.2 39.6



#74

N-ethyl acetate

Concen: 80.913 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Tgt Ion: 43 Resp: 47125

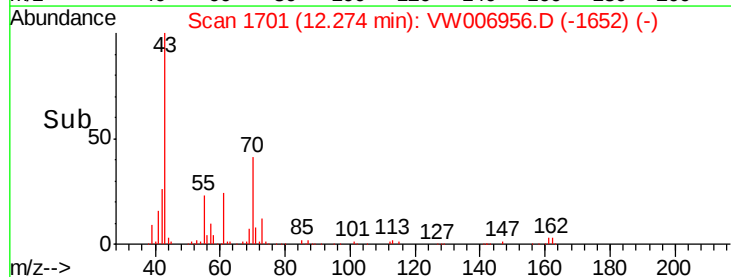
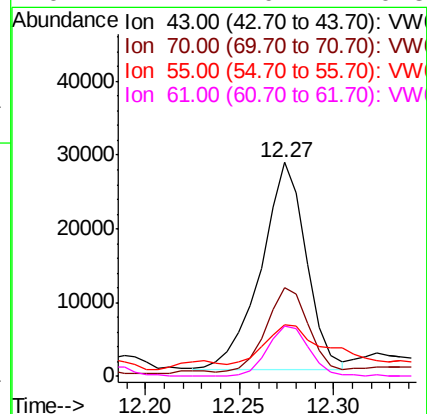
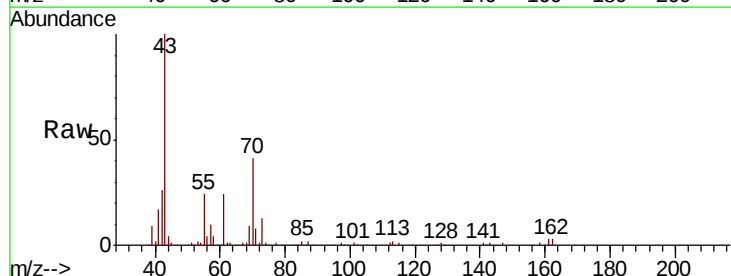
Ion Ratio Lower Upper

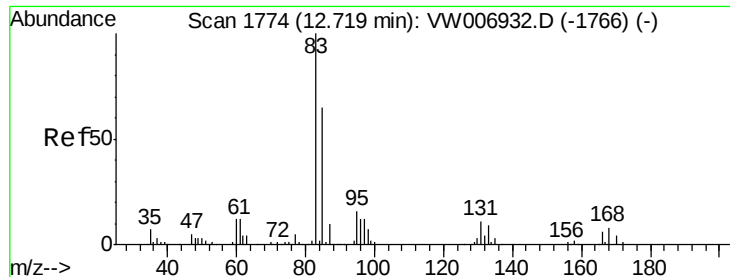
43 100

70 38.2 34.2 51.4

55 26.9 19.5 29.3

61 22.2 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 77.981 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

DTW-02(11-13)MS

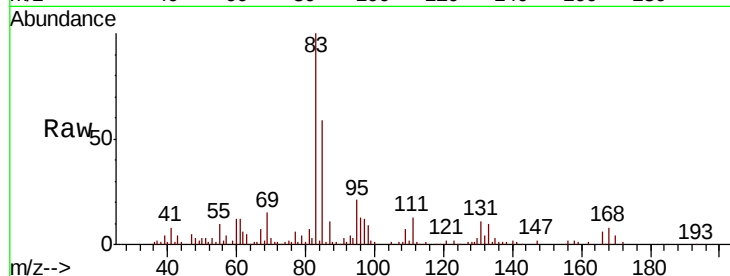
Tot Ion: 83 Resp: 33381

Ion Ratio Lower Upper

83 100

131 11.5 5.6 16.8

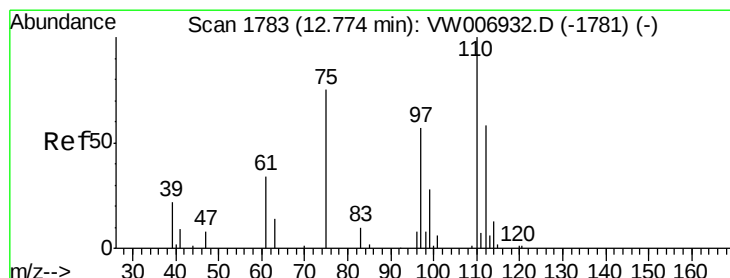
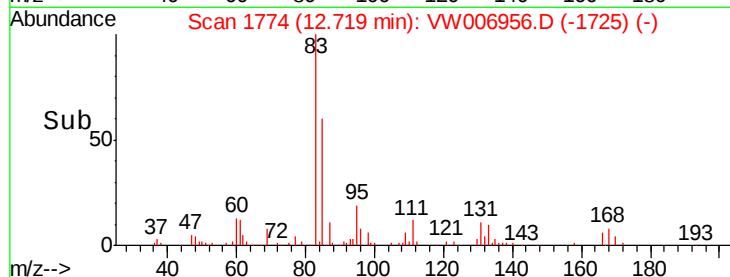
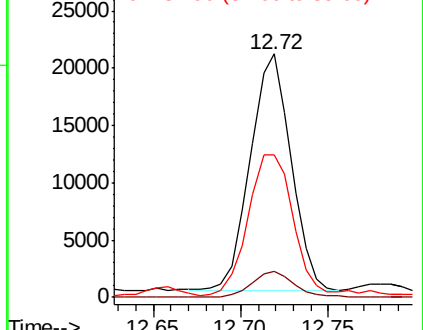
85 65.4 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 145.355 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW006956.D

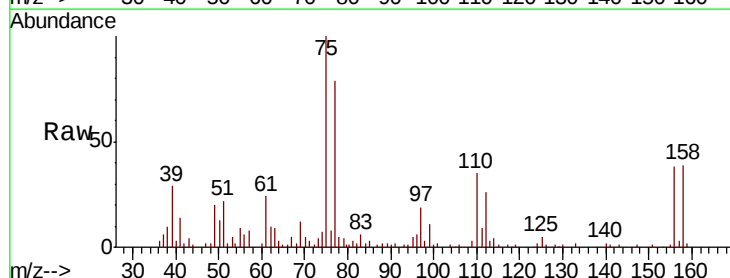
Acq: 19 Nov 2018 21:25

Tgt Ion: 75 Resp: 42923

Ion Ratio Lower Upper

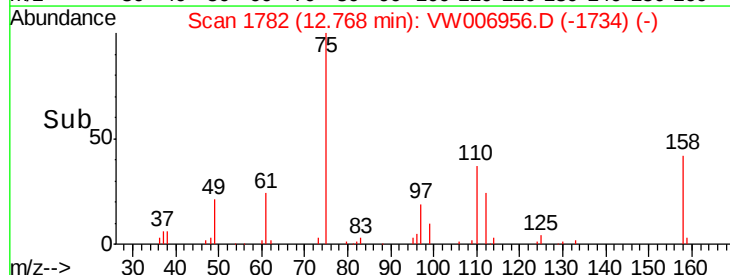
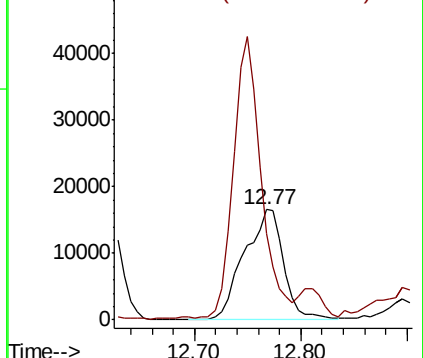
75 100

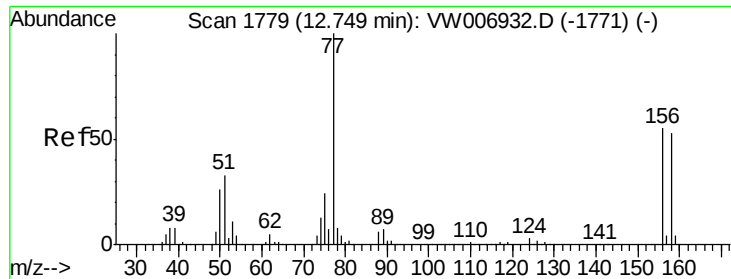
77 181.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 65.111 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

DTW-02(11-13)MS

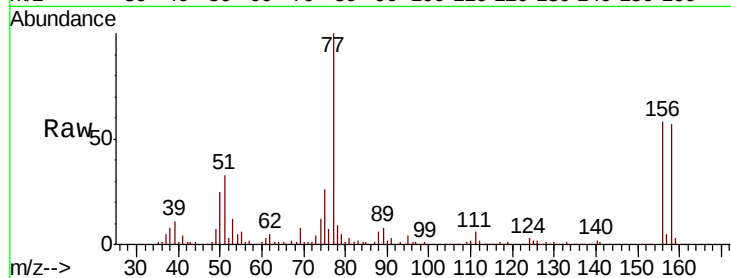
Tot Ion:156 Resp: 40159

Ion Ratio Lower Upper

156 100

77 194.5 97.8 293.3

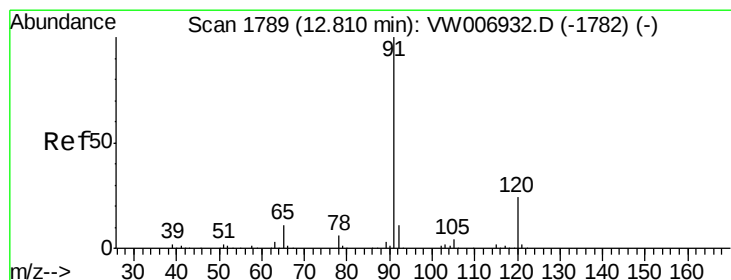
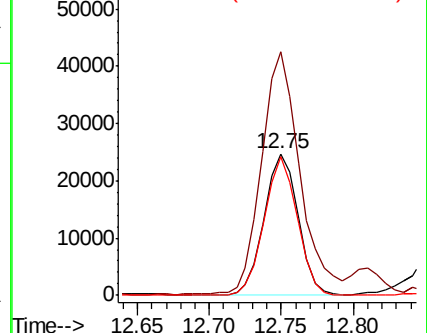
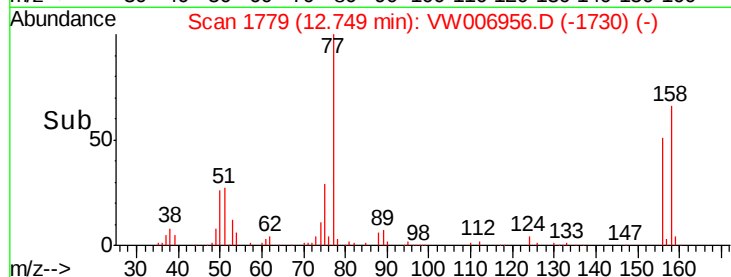
158 96.2 47.9 143.7



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: 53.298 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006956.D

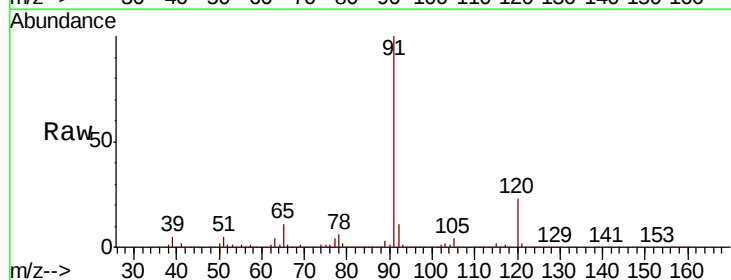
Acq: 19 Nov 2018 21:25

Tgt Ion: 91 Resp: 186373

Ion Ratio Lower Upper

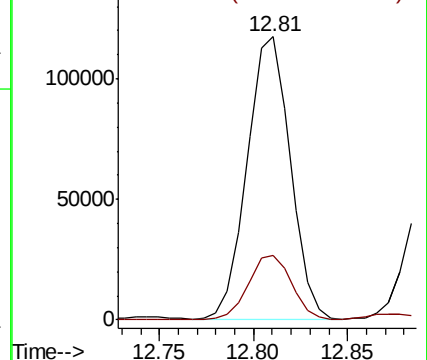
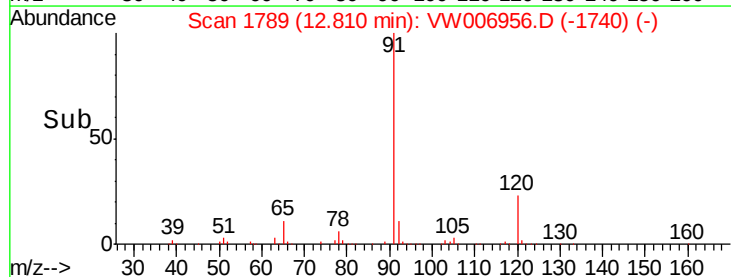
91 100

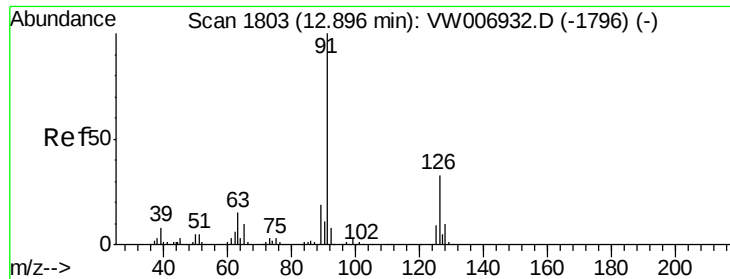
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 59.053 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

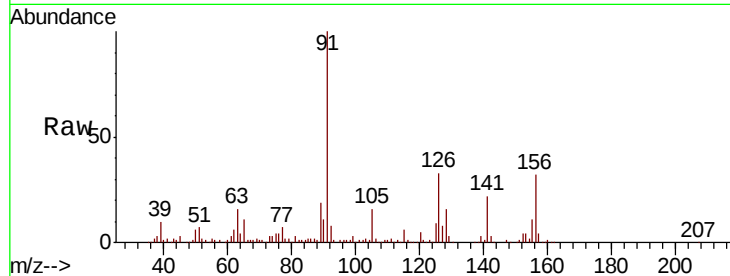
DTW-02(11-13)MS

Tot Ion: 91 Resp: 121017

Ion Ratio Lower Upper

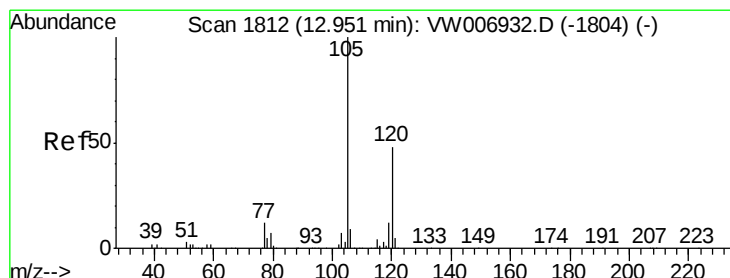
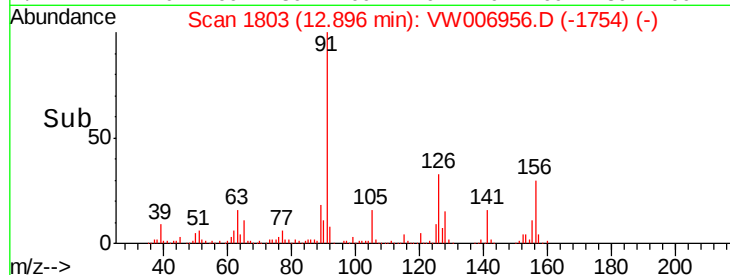
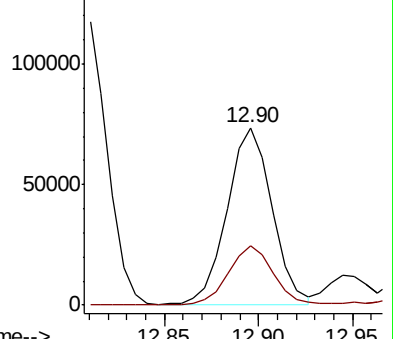
91 100

126 34.2 16.6 49.7



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: 66.679 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VW006956.D

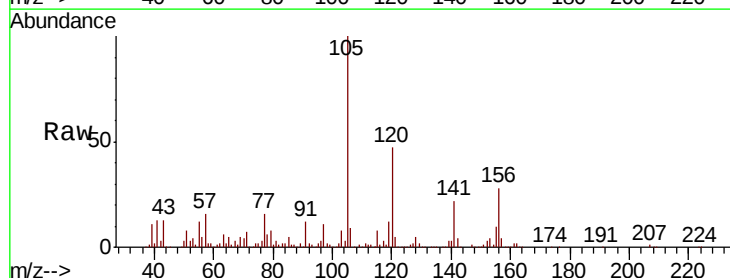
Acq: 19 Nov 2018 21:25

Tgt Ion:105 Resp: 167085

Ion Ratio Lower Upper

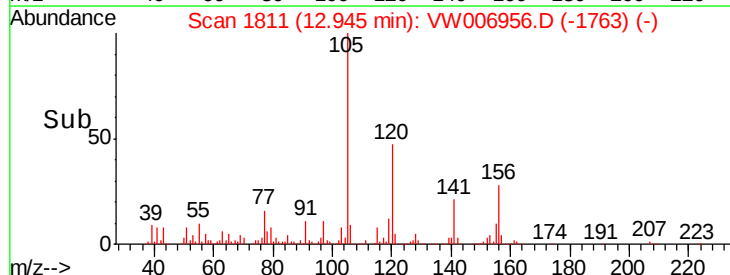
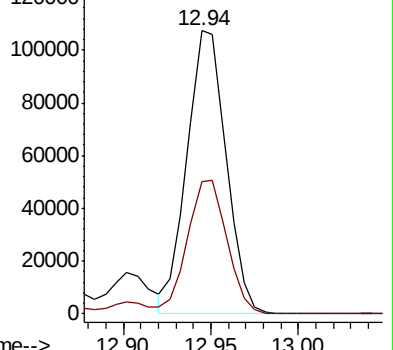
105 100

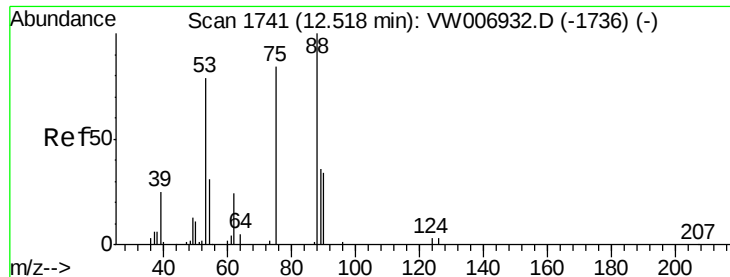
120 48.1 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

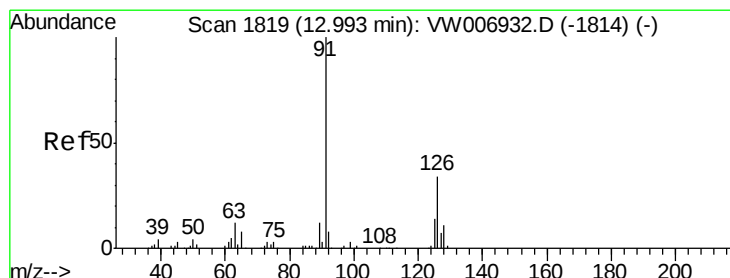
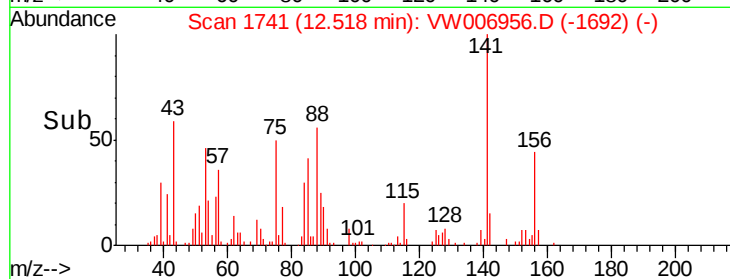
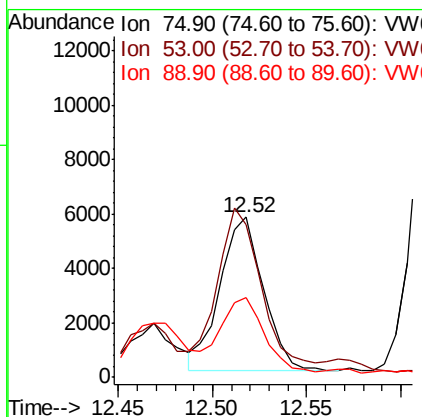
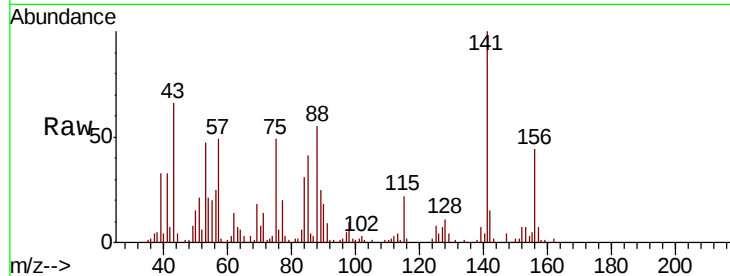




#81
trans-1,4-Dichloro-2-butene
Concen: 68.908 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

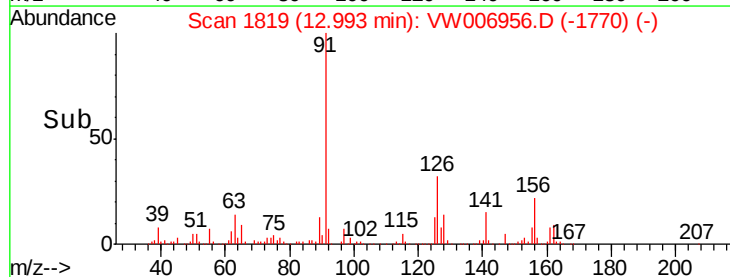
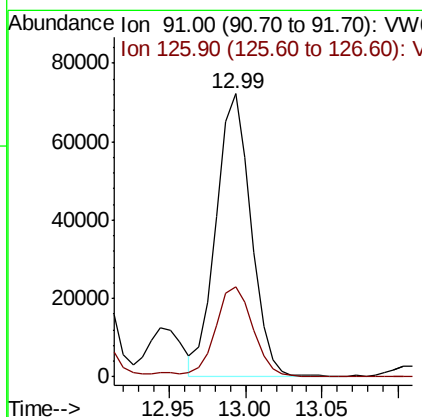
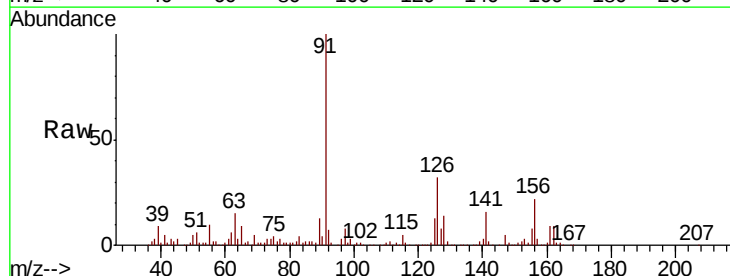
Instrument :
MSVOA_W
ClientSampleId :
DTW-02(11-13)MS

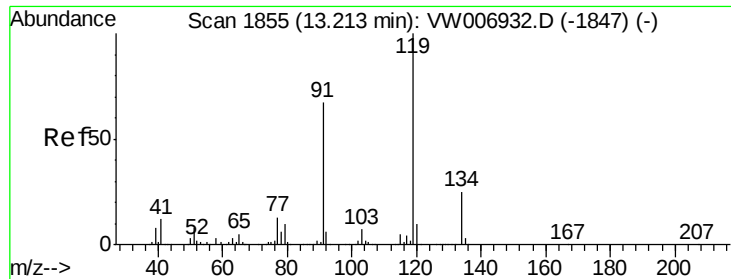
Tot Ion: 75 Resp: 8939
Ion Ratio Lower Upper
75 100
53 98.7 79.3 118.9
89 48.1 39.5 59.3



#82
4-Chlorotoluene
Concen: 52.564 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

Tgt Ion: 91 Resp: 113570
Ion Ratio Lower Upper
91 100
126 33.8 16.2 48.6

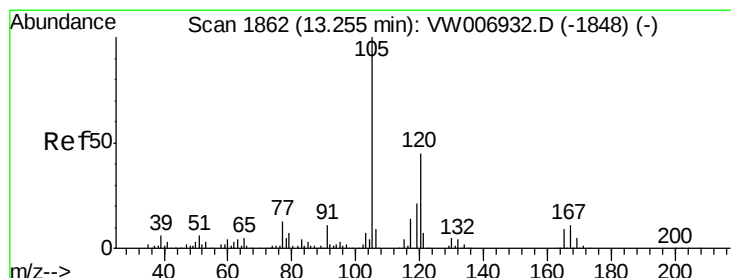
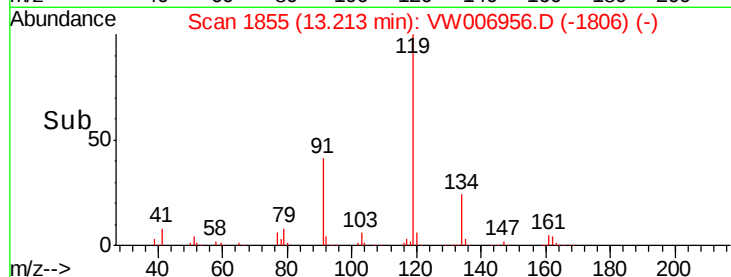
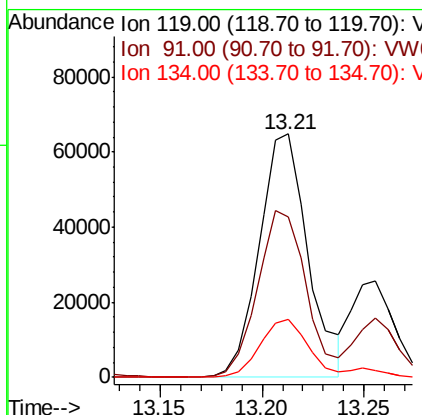
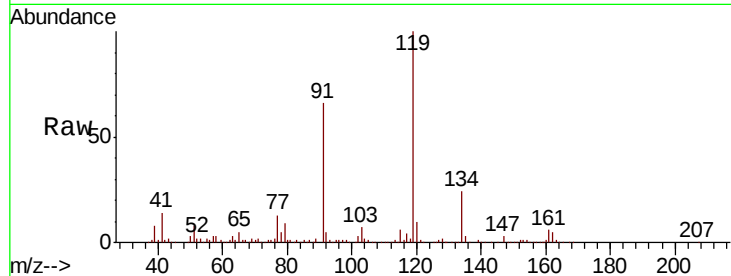




#83
tert-Butylbenzene
Concen: 50.795 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

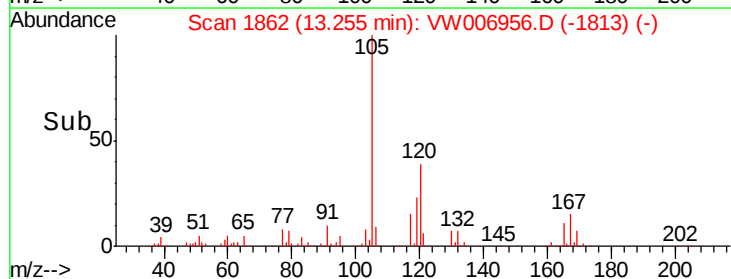
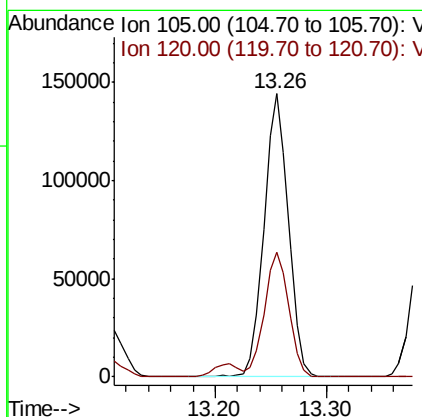
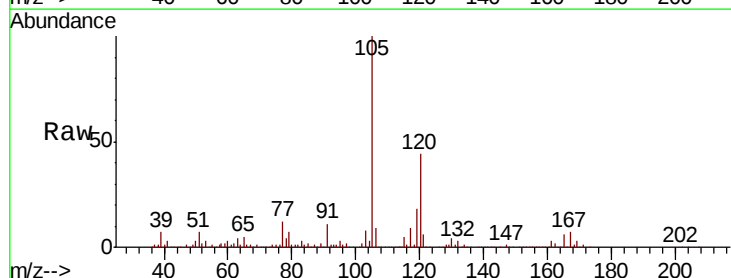
Instrument :
MSVOA_W
ClientSampleId :
DTW-02(11-13)MS

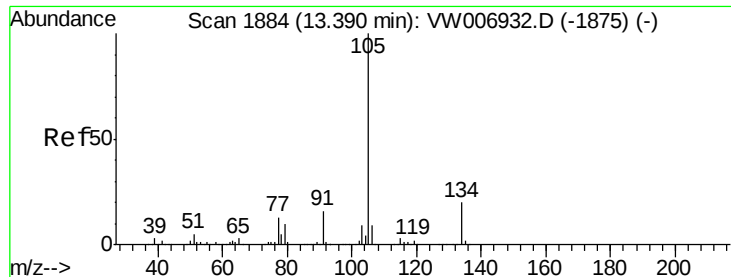
Tot Ion:119 Resp: 108089
Ion Ratio Lower Upper
119 100
91 68.0 33.8 101.4
134 23.6 12.6 37.8



#84
1,2,4-Trimethylbenzene
Concen: 87.437 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

Tgt Ion:105 Resp: 220110
Ion Ratio Lower Upper
105 100
120 44.4 21.9 65.8





#85

sec-Butylbenzene

Concen: 39.517 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

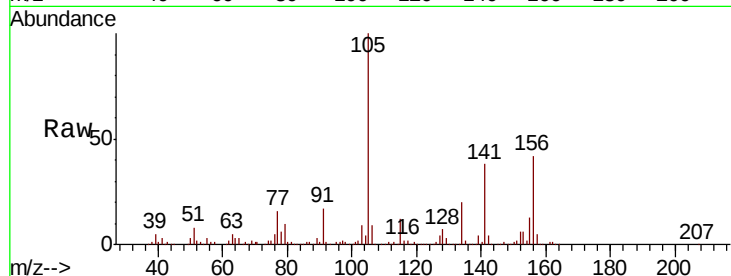
DTW-02(11-13)MS

Tot Ion:105 Resp: 119987

Ion Ratio Lower Upper

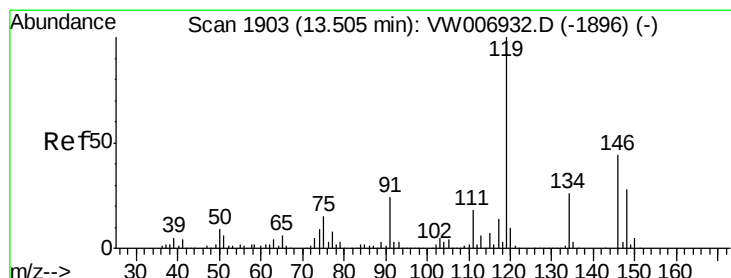
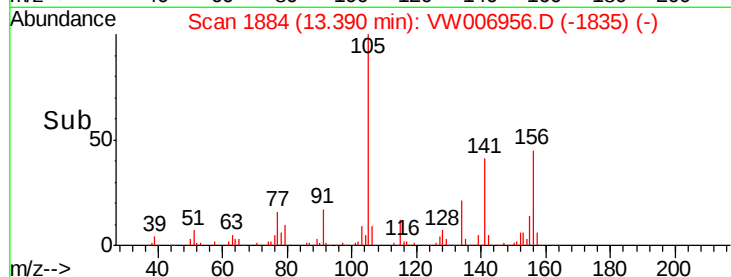
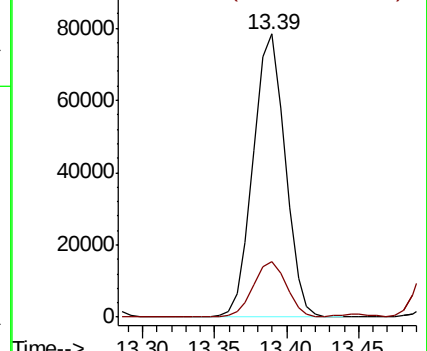
105 100

134 20.8 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 44.368 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

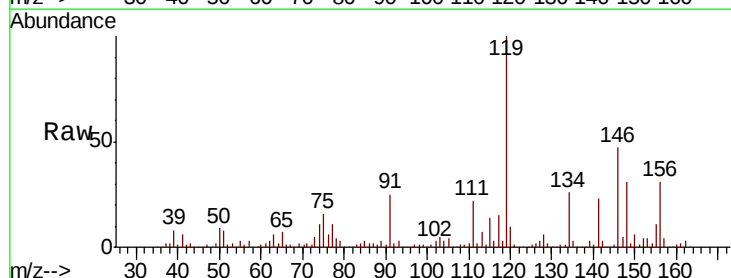
Tgt Ion:119 Resp: 117739

Ion Ratio Lower Upper

119 100

134 26.5 12.7 38.1

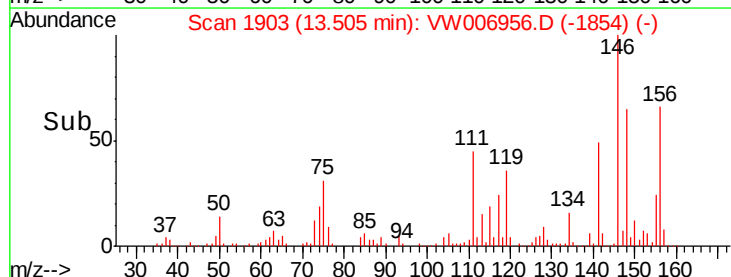
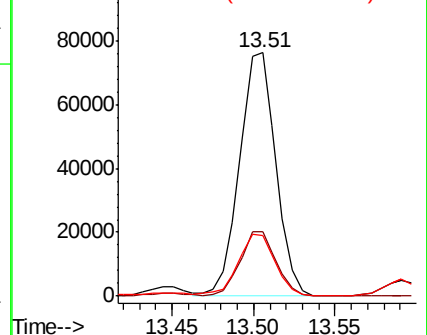
91 25.8 12.4 37.2

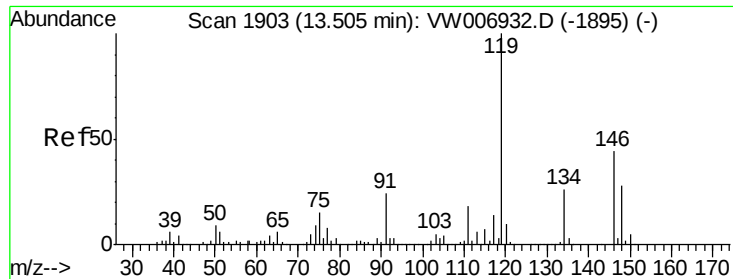


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.598 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

DTW-02(11-13)MS

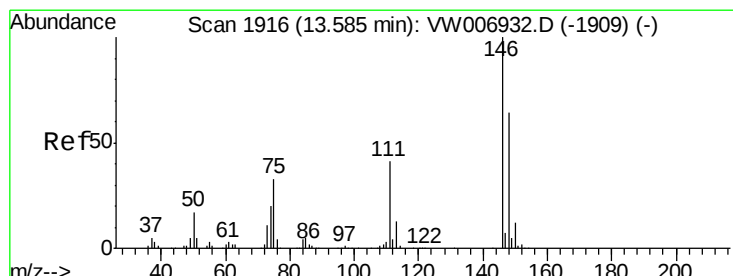
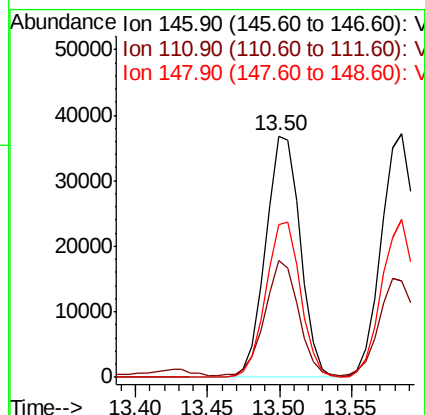
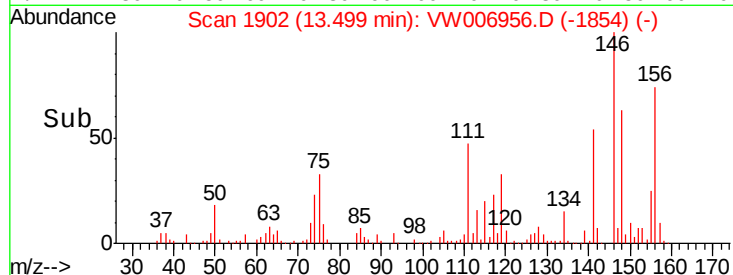
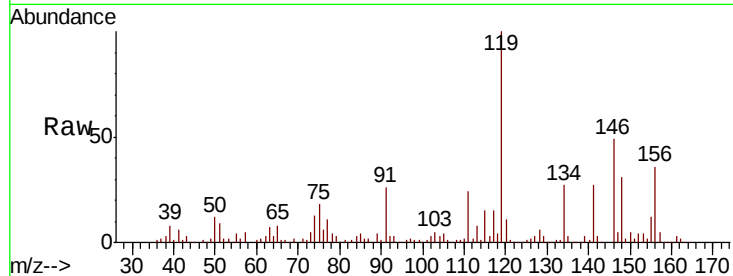
Tot Ion:146 Resp: 61293

Ion Ratio Lower Upper

146 100

111 47.1 21.3 63.9

148 64.6 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 48.251 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

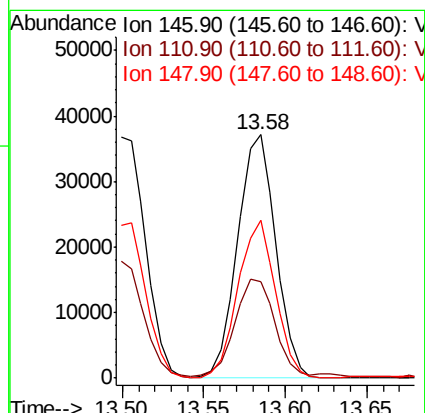
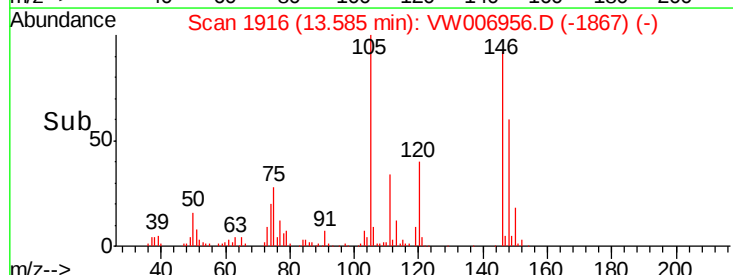
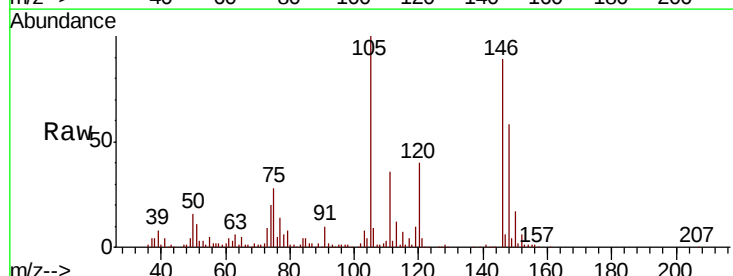
Tgt Ion:146 Resp: 60650

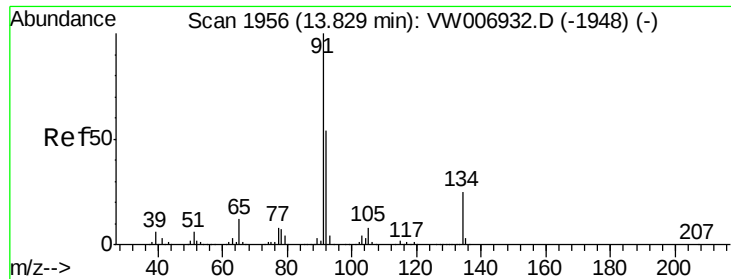
Ion Ratio Lower Upper

146 100

111 43.2 20.7 62.1

148 63.0 31.9 95.9





#89

n-Butylbenzene

Concen: 30.767 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

DTW-02(11-13)MS

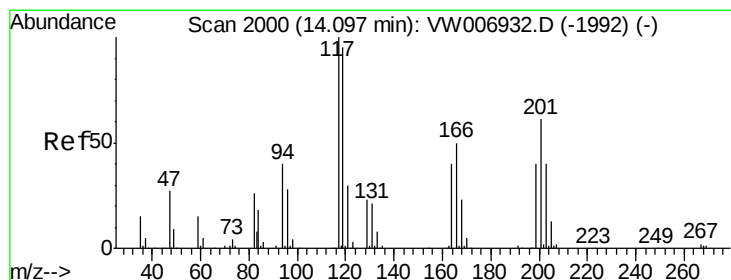
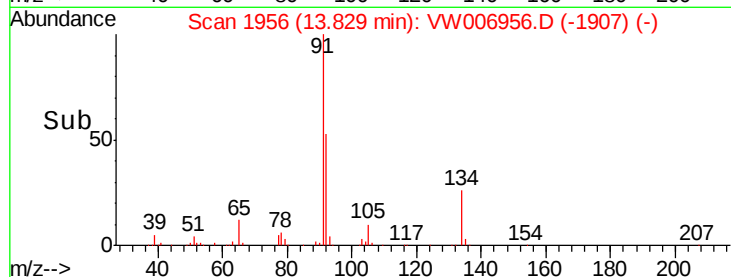
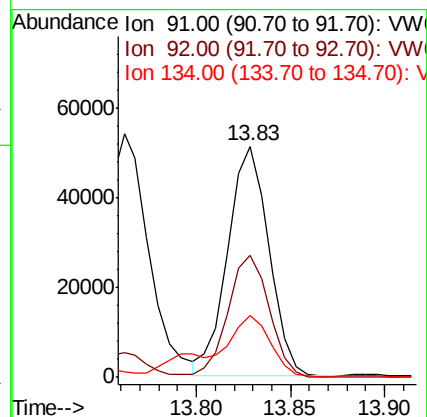
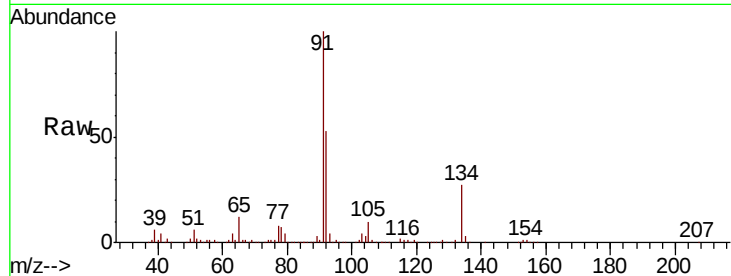
Tot Ion: 91 Resp: 77284

Ion Ratio Lower Upper

91 100

92 53.3 26.4 79.2

134 37.9 12.9 38.6



#90

Hexachloroethane

Concen: 47.925 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW006956.D

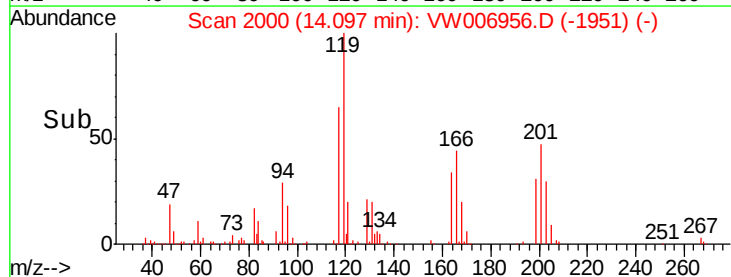
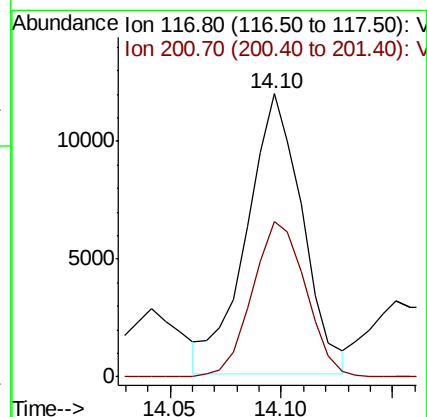
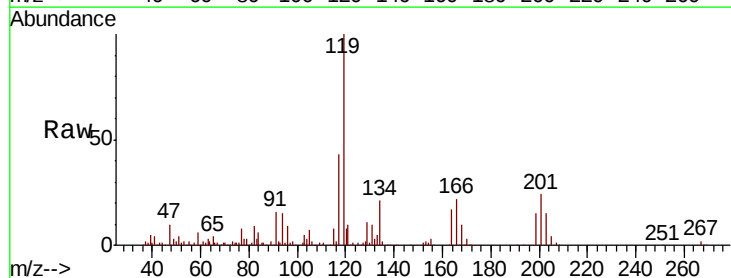
Acq: 19 Nov 2018 21:25

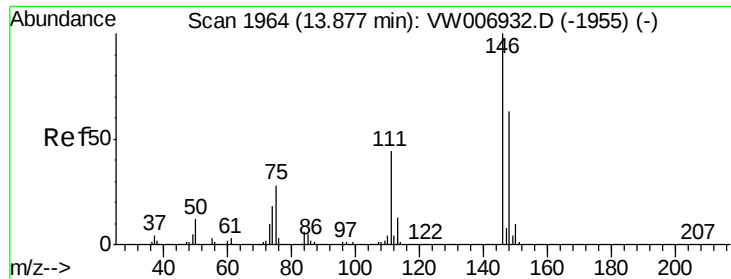
Tgt Ion: 117 Resp: 20733

Ion Ratio Lower Upper

117 100

201 52.9 33.8 101.4





#91

1,2-Dichlorobenzene

Concen: 54.193 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

Instrument :

MSVOA_W

ClientSampleId :

DTW-02(11-13)MS

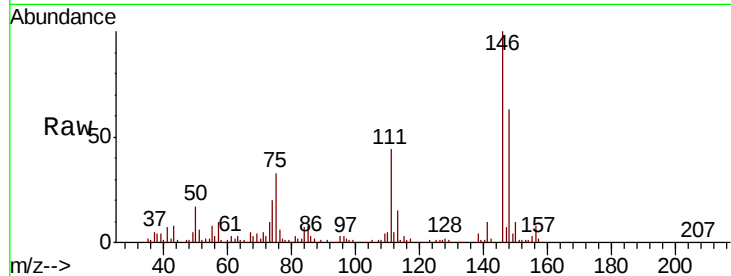
Tot Ion:146 Resp: 61117

Ion Ratio Lower Upper

146 100

111 45.3 22.6 67.7

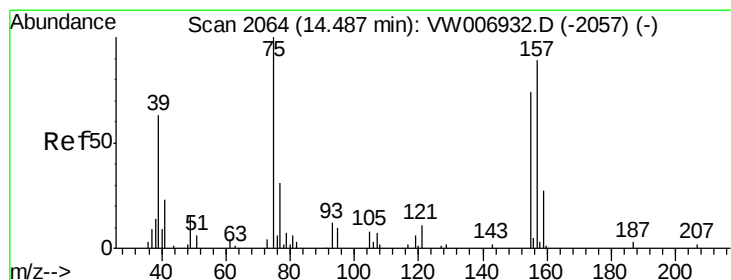
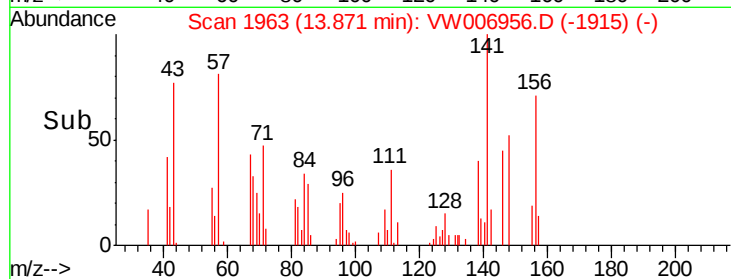
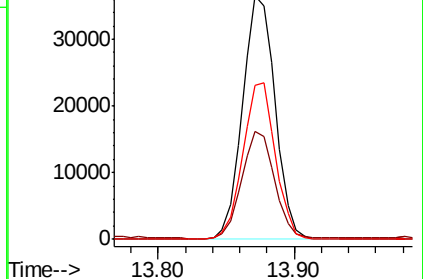
148 64.0 31.7 95.1



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: 97.049 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW006956.D

Acq: 19 Nov 2018 21:25

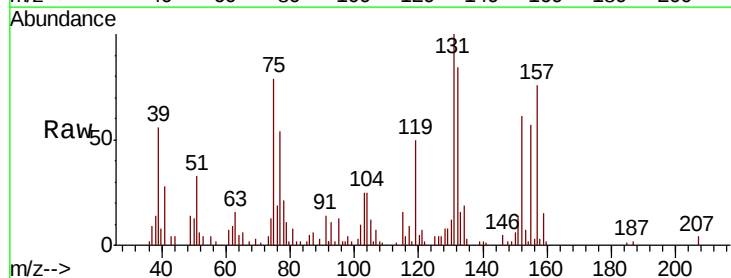
Tgt Ion: 75 Resp: 7189

Ion Ratio Lower Upper

75 100

155 66.4 38.6 115.7

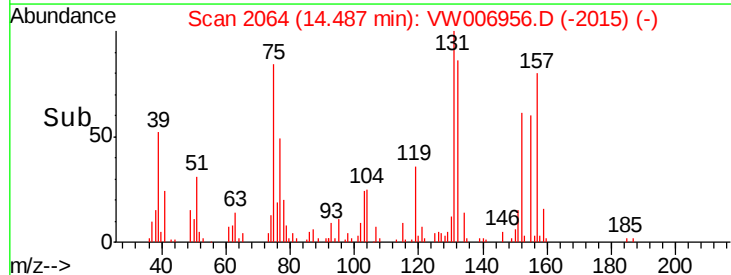
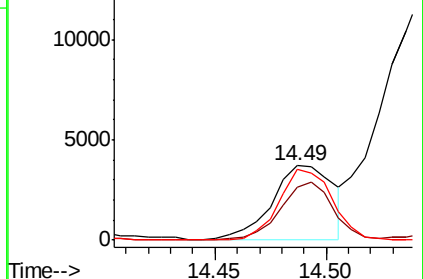
157 82.0 49.7 149.1

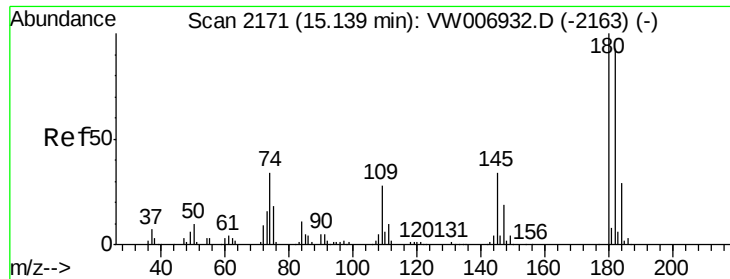


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

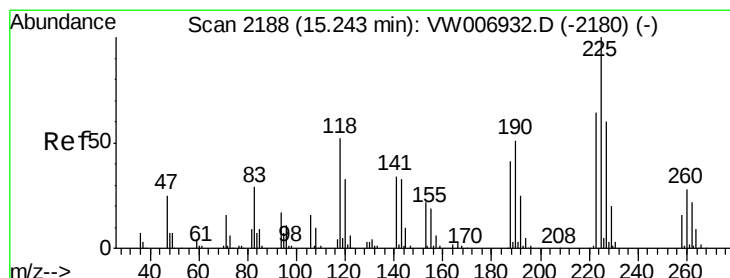
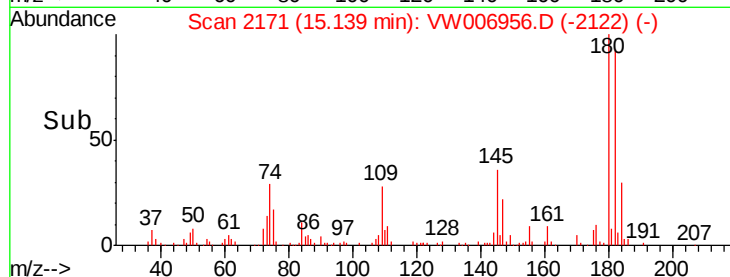
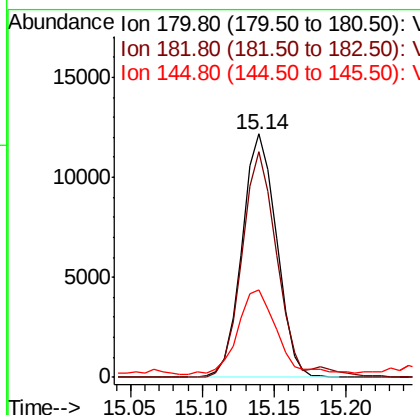
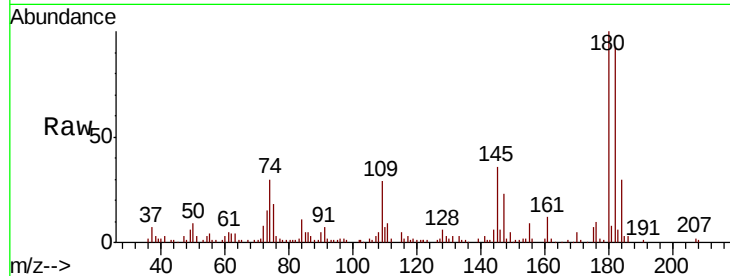




#93
 1,2,4-Trichlorobenzene
 Concen: 28.526 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006956.D
 Acq: 19 Nov 2018 21:25

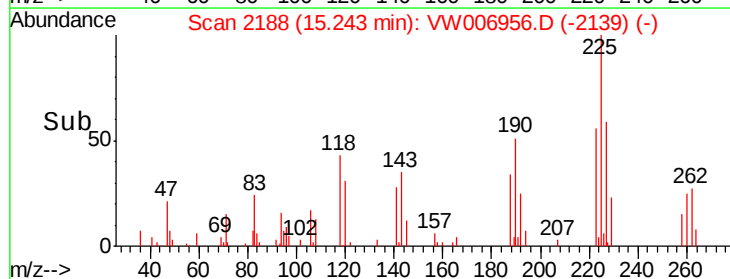
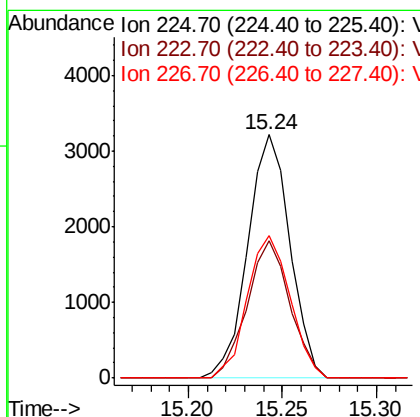
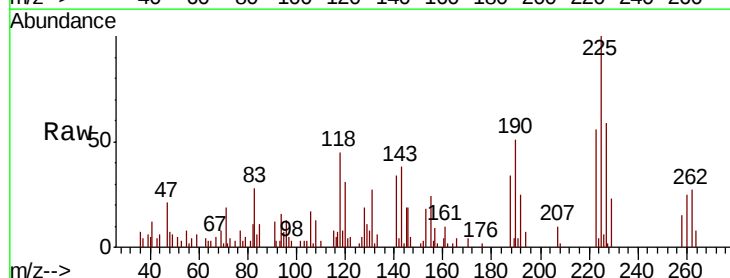
Instrument :
 MSVOA_W
 ClientSampleId :
 DTW-02(11-13)MS

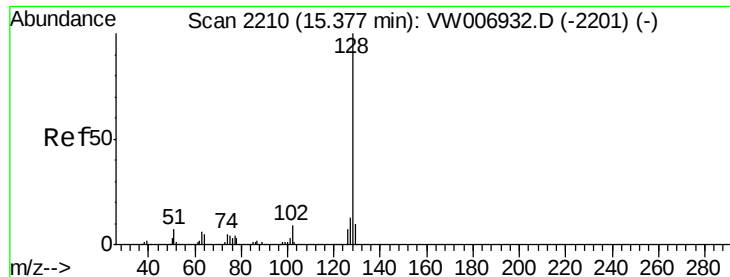
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.3	141.9
145	39.6	16.8	50.4



#94
 Hexachlorobutadiene
 Concen: 13.265 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006956.D
 Acq: 19 Nov 2018 21:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.2	32.1	96.3
227	59.6	31.6	95.0

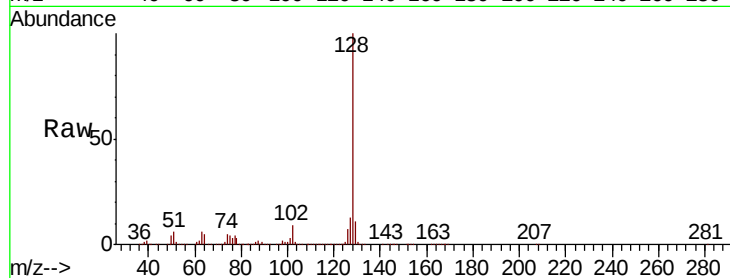




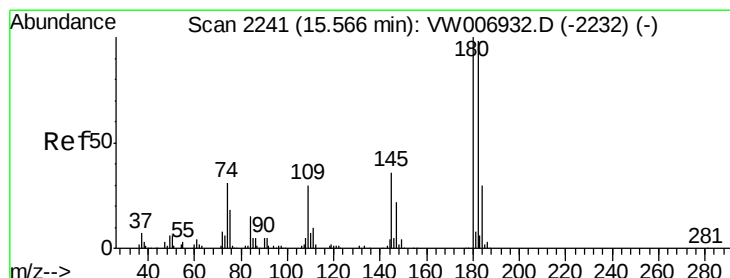
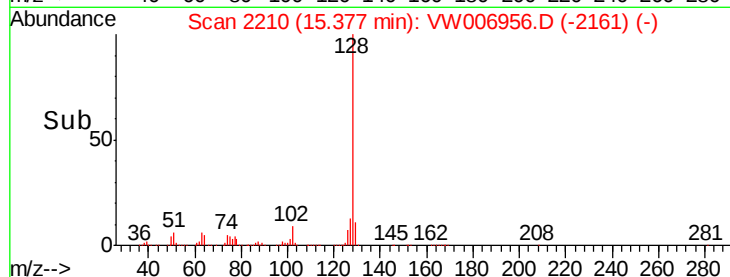
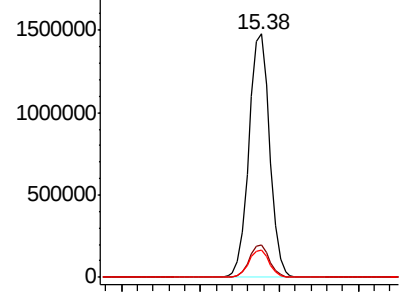
#95
Naphthalene
Concen: 1969.951 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

Instrument :
MSVOA_W
ClientSampleId :
DTW-02(11-13)MS

Tot Ion:128 Resp: 2693287
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 11.1 8.5 12.7

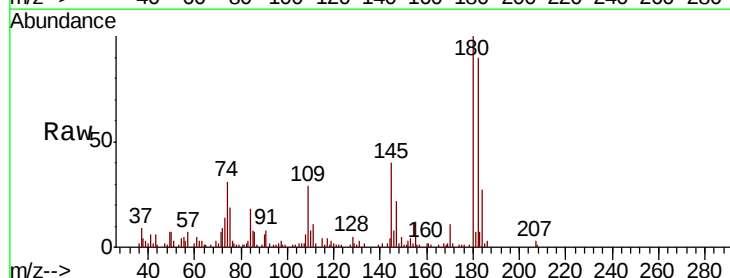


Abundance Ion 128.00 (127.70 to 128.70): V
2000000
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 28.888 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW006956.D
Acq: 19 Nov 2018 21:25

Tgt Ion:180 Resp: 17572
Ion Ratio Lower Upper
180 100
182 96.3 47.4 142.2
145 44.1 17.6 52.9



Abundance Ion 179.80 (179.50 to 180.50): V
12000
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

