

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072318\
 Data File : VW004153.D
 Acq On : 23 Jul 2018 23:25
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 24 04:47:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	249862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	397989	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	372103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	195364	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	165406	59.22	ug/l	0.00
Spiked Amount 50.000			Recovery =	118.44%		
35) Dibromofluoromethane	7.88	113	145733	57.07	ug/l	0.00
Spiked Amount 50.000			Recovery =	114.14%		
50) Toluene-d8	10.33	98	563990	56.92	ug/l	0.00
Spiked Amount 50.000			Recovery =	113.84%		
62) 4-Bromofluorobenzene	12.62	95	206228	57.72	ug/l	0.00
Spiked Amount 50.000			Recovery =	115.44%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	59775	42.600	ug/l	98
3) Chloromethane	2.21	50	94174	50.991	ug/l	100
4) Vinyl Chloride	2.36	62	128144	50.443	ug/l	97
5) Bromomethane	2.77	94	76498	48.179	ug/l	98
6) Chloroethane	2.92	64	70984	49.180	ug/l	99
7) Trichlorofluoromethane	3.25	101	51924	48.686	ug/l	95
8) Diethyl Ether	3.67	74	69625	56.242	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	128869	52.365	ug/l	99
10) Methyl Iodide	4.26	142	192574	54.483	ug/l	99
11) Tert butyl alcohol	5.20	59	55726	289.027	ug/l	99
12) 1,1-Dichloroethene	4.03	96	128903	53.084	ug/l	99
13) Acrolein	3.89	56	68658	346.571	ug/l	100
14) Allyl chloride	4.65	41	227370	56.727	ug/l	97
15) Acrylonitrile	5.37	53	193723	305.387	ug/l	99
16) Acetone	4.12	43	155136	231.151	ug/l	100
17) Carbon Disulfide	4.37	76	403572	53.246	ug/l	100
18) Methyl Acetate	4.67	43	104091	64.612	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	274994	59.090	ug/l	99
20) Methylene Chloride	4.91	84	148076	49.968	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	146814	55.157	ug/l	99
22) Diisopropyl ether	6.31	45	480919	59.369	ug/l	99
23) Vinyl Acetate	6.26	43	1493223	290.927	ug/l	99
24) 1,1-Dichloroethane	6.21	63	279072	56.461	ug/l	99
25) 2-Butanone	7.18	43	257028	284.585	ug/l	98
26) 2,2-Dichloropropane	7.17	77	130850	46.119	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	158394	55.048	ug/l	99
28) Bromochloromethane	7.51	49	104066	51.447	ug/l	99
29) Tetrahydrofuran	7.54	42	172585	306.773	ug/l	99
30) Chloroform	7.68	83	275894	56.116	ug/l	99
31) Cyclohexane	7.95	56	240034	51.806	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	207545	54.059	ug/l	100
36) 1,1-Dichloropropene	8.08	75	217094	53.018	ug/l	99
37) Ethyl Acetate	7.26	43	117147	59.314	ug/l	99
38) Carbon Tetrachloride	8.07	117	199487	52.139	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	249550	52.038	ug/l	96
40) Benzene	8.32	78	623825	54.913	ug/l	99
41) Methacrylonitrile	7.49	41	68569	62.657	ug/l	89
42) 1,2-Dichloroethane	8.40	62	192802	55.630	ug/l	100
43) Isopropyl Acetate	8.43	43	213624	57.830	ug/l	99
44) Trichloroethene	9.09	130	157487	53.480	ug/l	96
45) 1,2-Dichloropropane	9.37	63	164433	56.711	ug/l	100
46) Dibromomethane	9.46	93	84917	56.440	ug/l	99
47) Bromodichloromethane	9.65	83	205553	55.419	ug/l	98
48) Methyl methacrylate	9.44	41	105367	58.980	ug/l	98
49) 1,4-Dioxane	9.46	88	29814	1289.119	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	590759	300.178	ug/l	100
52) Toluene	10.39	92	386053	54.955	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	207171	53.413	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	236665	53.339	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	120342	56.871	ug/l	99
56) Ethyl methacrylate	10.65	69	164615	54.129	ug/l	97
57) 1,3-Dichloropropane	10.93	76	209614	57.016	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	362488	288.761	ug/l	98
59) 2-Hexanone	10.98	43	413241	297.919	ug/l	100
60) Dibromochloromethane	11.13	129	140201	56.894	ug/l	99
61) 1,2-Dibromoethane	11.24	107	116229	57.726	ug/l	100
64) Tetrachloroethene	10.87	164	148516	58.169	ug/l	99
65) Chlorobenzene	11.66	112	422581	53.408	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	149614	54.413	ug/l	100
67) Ethyl Benzene	11.74	91	751817	54.090	ug/l	99
68) m/p-Xylenes	11.84	106	574438	108.131	ug/l	100
69) o-Xylene	12.17	106	267643	54.312	ug/l	99
70) Styrene	12.18	104	463344	56.293	ug/l	99
71) Bromoform	12.35	173	86306	55.595	ug/l #	99
73) Isopropylbenzene	12.47	105	729834	52.868	ug/l	100
74) N-amyl acetate	12.28	43	203536	56.585	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	148466	55.611	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	193448	99.740	ug/l #	100
77) Bromobenzene	12.75	156	174802	52.918	ug/l	99
78) n-propylbenzene	12.81	91	907153	53.563	ug/l	100
79) 2-Chlorotoluene	12.90	91	509962	53.388	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	625312	53.825	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	44360	50.592	ug/l	98
82) 4-Chlorotoluene	12.99	91	543180	52.989	ug/l	100
83) tert-Butylbenzene	13.21	119	523456	53.668	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	645499	54.005	ug/l	99
85) sec-Butylbenzene	13.39	105	770861	53.266	ug/l	100
86) p-Isopropyltoluene	13.51	119	677306	53.356	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	346967	52.590	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	342055	51.696	ug/l	100
89) n-Butylbenzene	13.83	91	657094	52.657	ug/l	100
90) Hexachloroethane	14.10	117	122777	52.469	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	313877	53.397	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	26313	55.426	ug/l	97

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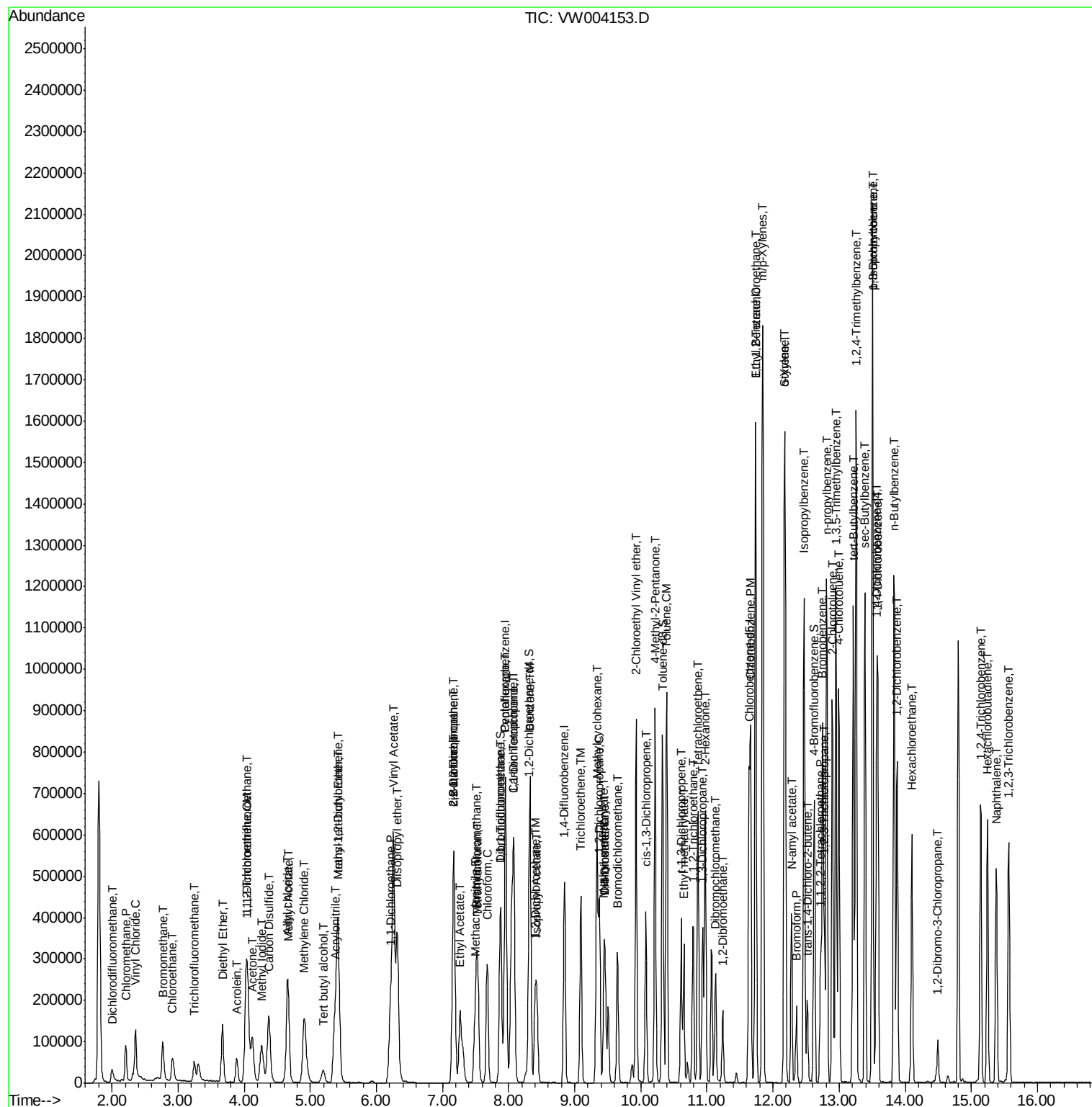
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	216599	52.466	ug/l	98
94) Hexachlorobutadiene	15.24	225	123370	52.041	ug/l	99
95) Naphthalene	15.38	128	434867	57.070	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	199844	54.675	ug/l	99

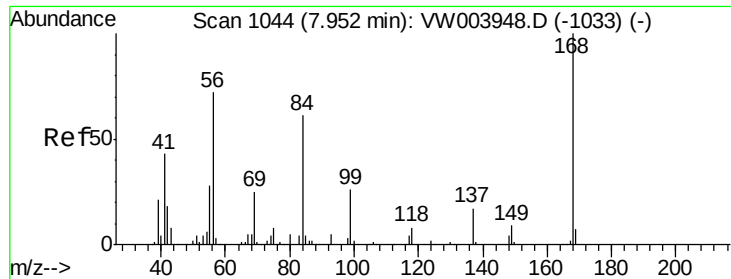
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072318\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

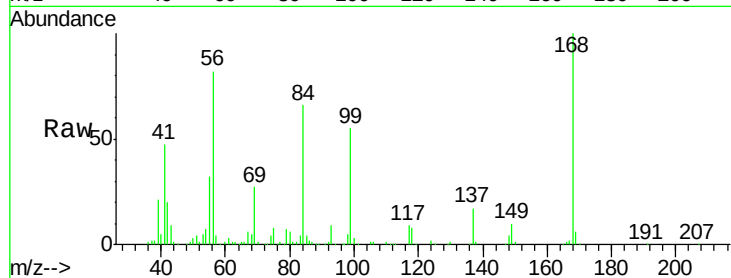
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 249862

Ion Ratio Lower Upper

168 100

99 55.1 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

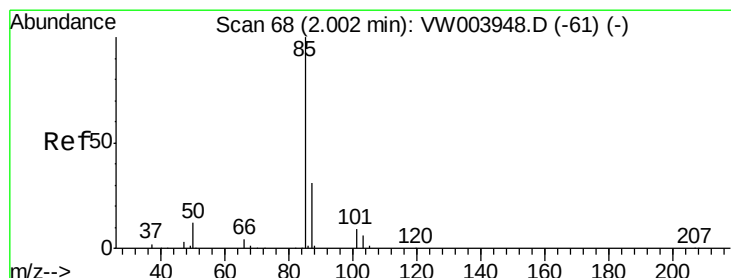
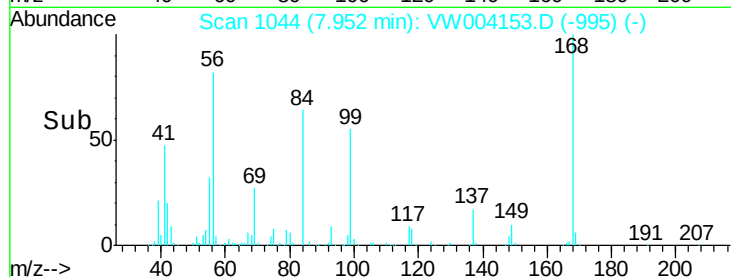
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.600 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW004153.D

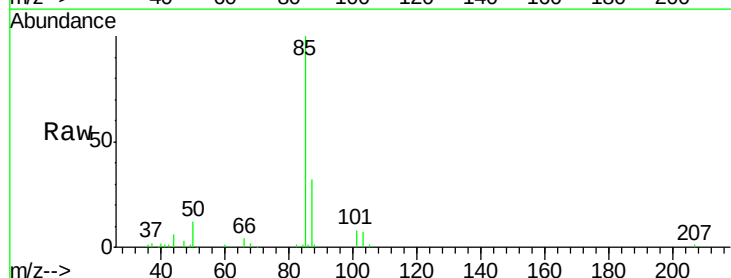
Acq: 23 Jul 2018 23:25

Tgt Ion: 85 Resp: 59775

Ion Ratio Lower Upper

85 100

87 31.7 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

20000

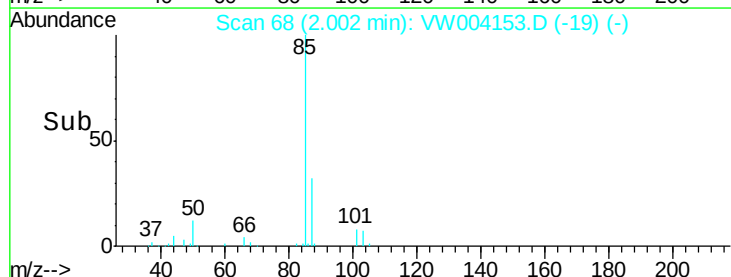
15000

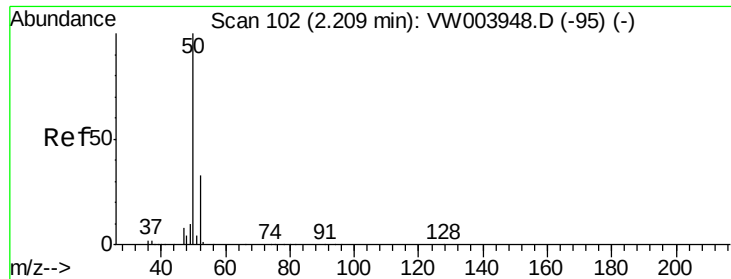
10000

5000

0

Time-->

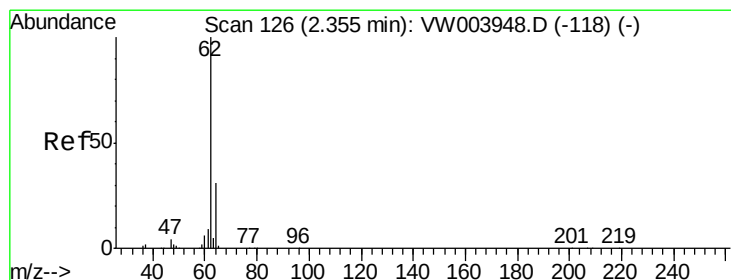
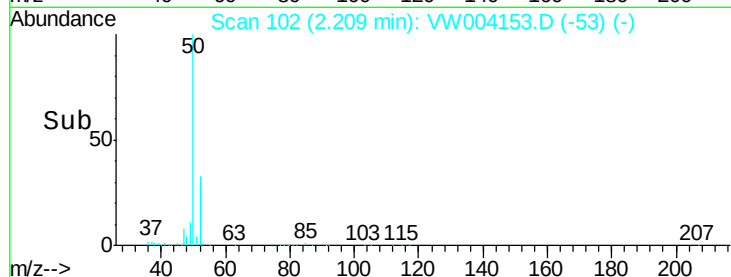
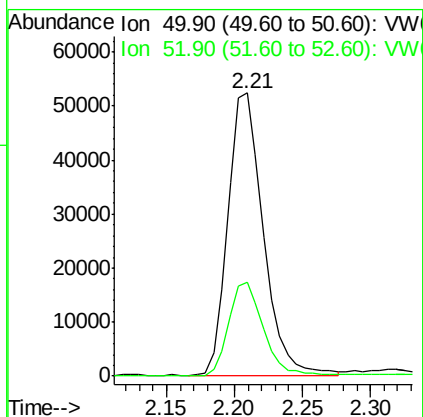
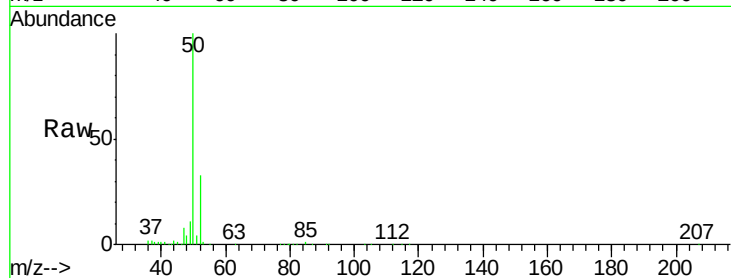




#3
Chloromethane
Concen: 50.991 ug/l
RT: 2.21 min Scan# 102
Delta R.T. 0.00 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

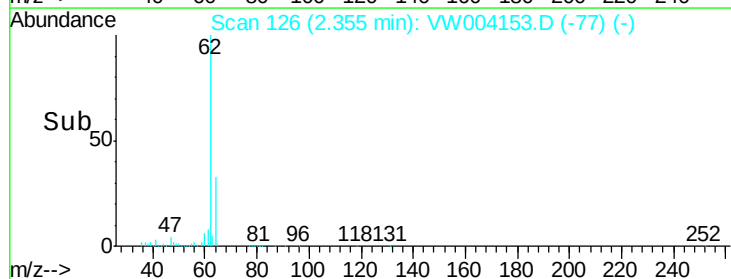
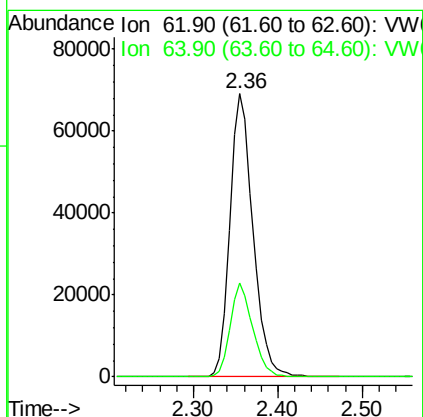
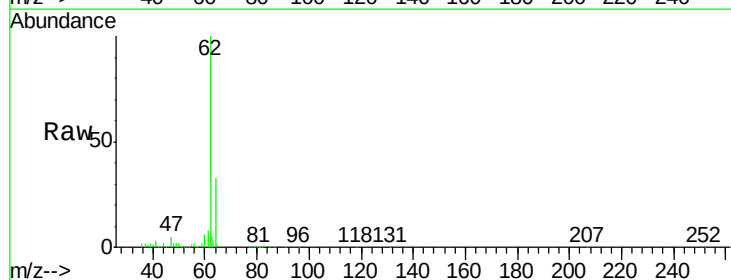
Instrument :
MSVOA_W
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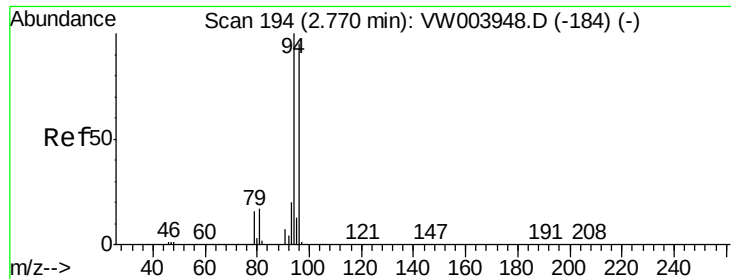
Tot Ion: 50 Resp: 94174
Ion Ratio Lower Upper
50 100
52 33.2 26.3 39.5



#4
Vinyl Chloride
Concen: 50.443 ug/l
RT: 2.36 min Scan# 126
Delta R.T. 0.00 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

Tgt Ion: 62 Resp: 128144
Ion Ratio Lower Upper
62 100
64 33.1 25.0 37.6





#5

Bromomethane

Concen: 48.179 ug/l

RT: 2.77 min Scan# 194

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

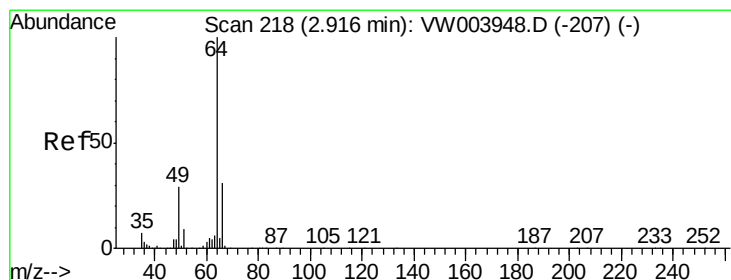
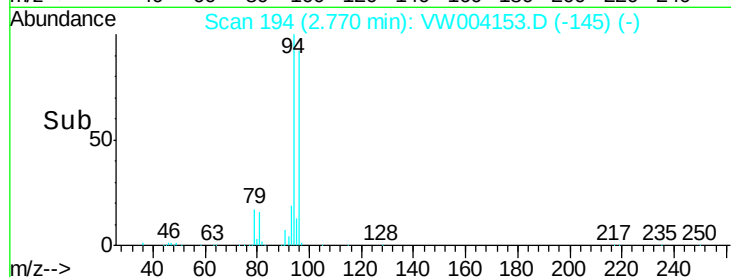
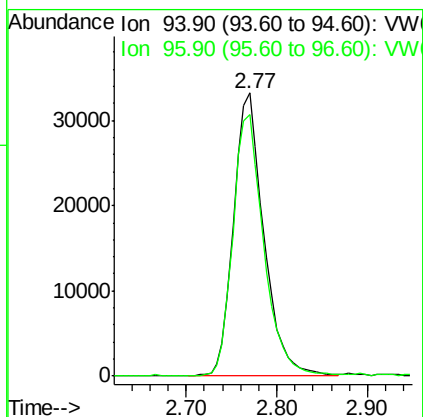
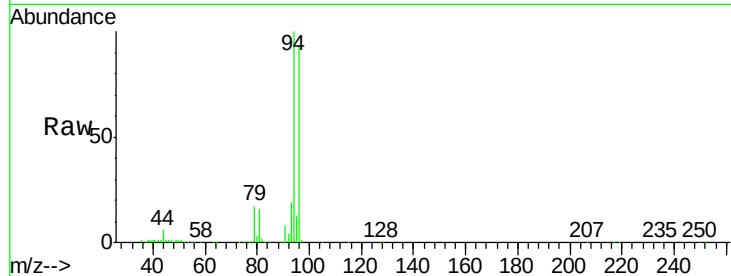
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 76498

Ion Ratio Lower Upper

94 100

96 92.6 75.8 113.6



#6

Chloroethane

Concen: 49.180 ug/l

RT: 2.92 min Scan# 218

Delta R.T. 0.00 min

Lab File: VW004153.D

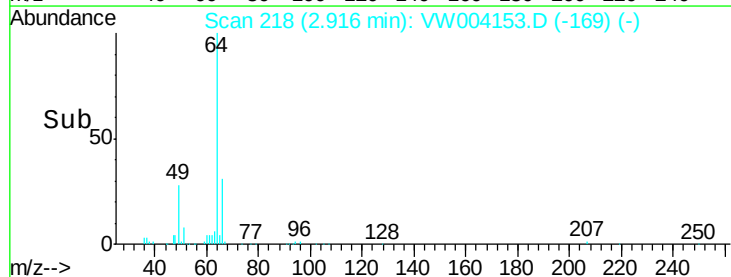
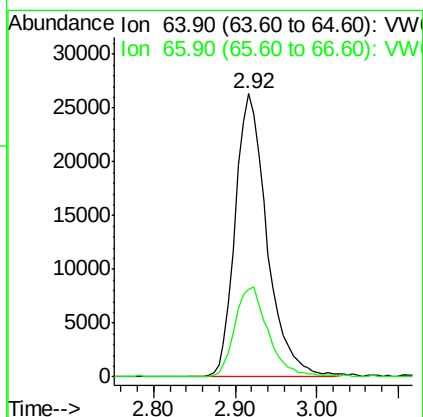
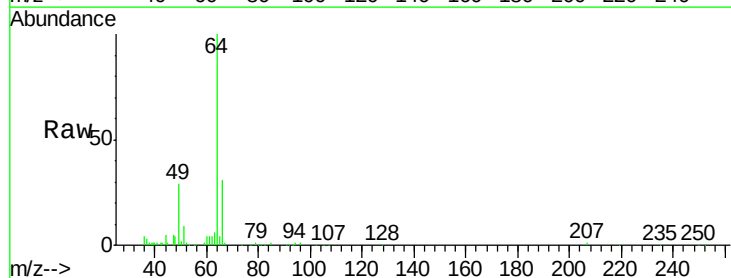
Acq: 23 Jul 2018 23:25

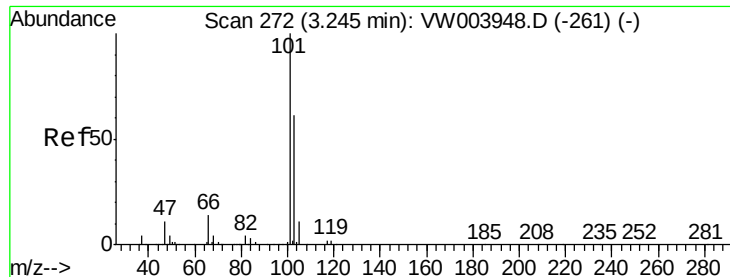
Tgt Ion: 64 Resp: 70984

Ion Ratio Lower Upper

64 100

66 30.9 24.5 36.7



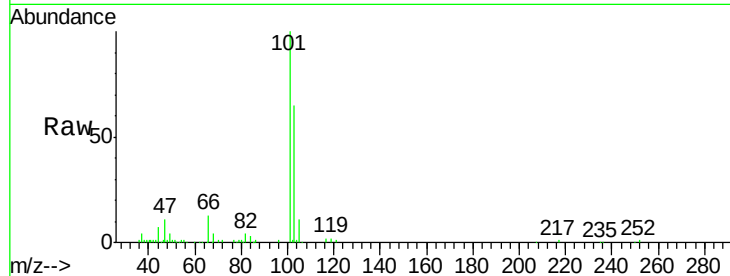


#7

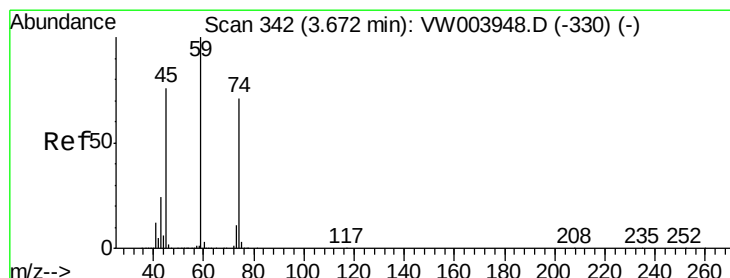
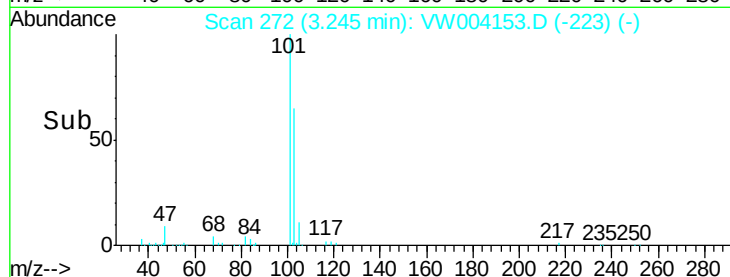
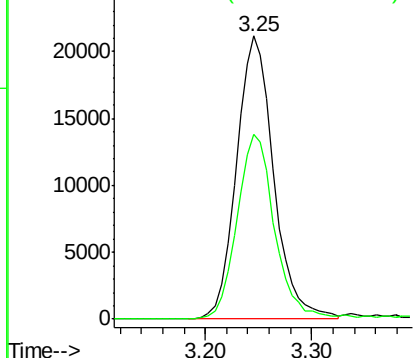
Trichlorofluoromethane
Concen: 48.686 ug/l
RT: 3.25 min Scan# 272
Delta R.T. 0.00 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:101 Resp: 51924
Ion Ratio Lower Upper
101 100
103 65.1 49.0 73.6



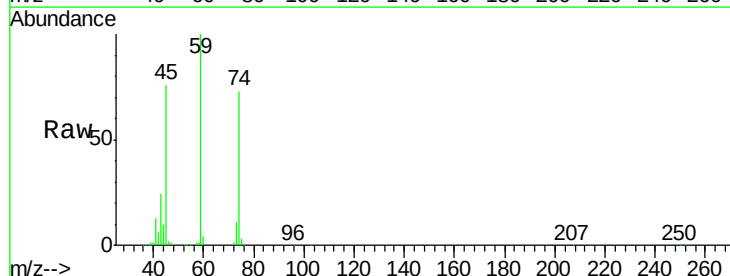
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



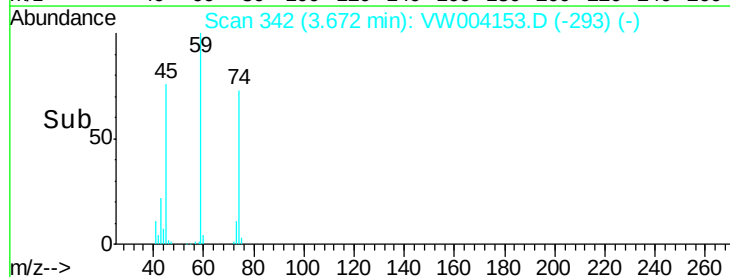
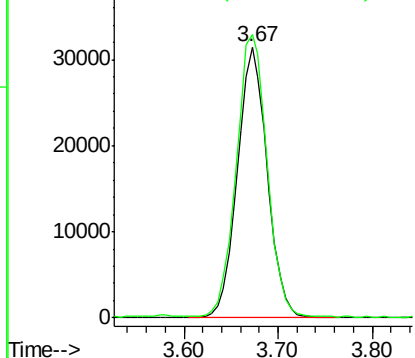
#8

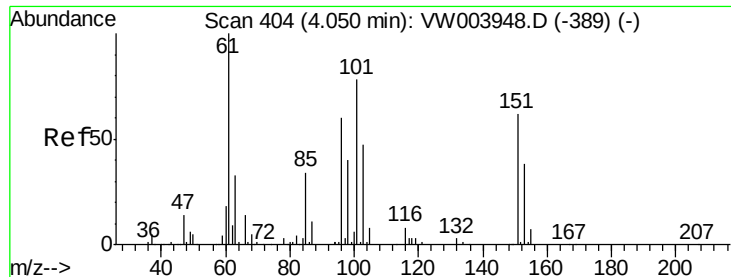
Diethyl Ether
Concen: 56.242 ug/l
RT: 3.67 min Scan# 342
Delta R.T. 0.00 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

Tgt Ion: 74 Resp: 69625
Ion Ratio Lower Upper
74 100
45 107.3 53.8 161.4



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.365 ug/l

RT: 4.05 min Scan# 404

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

Instrument :

MSVOA_W

ClientSampled :

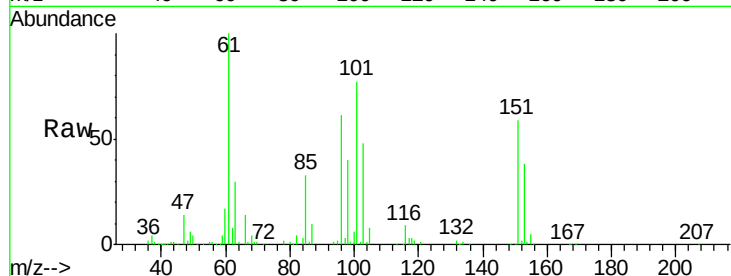
Tot Ion:101 Resp: 128869

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.6

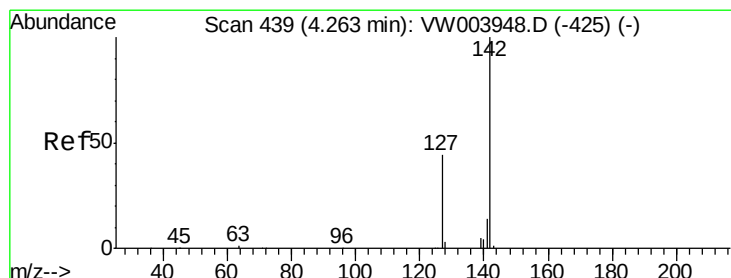
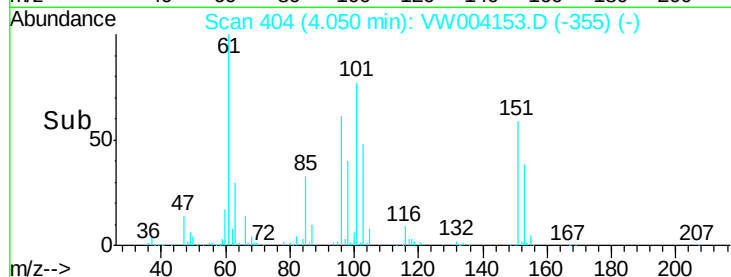
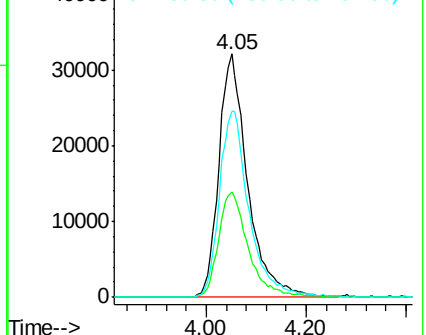
151 78.5 63.6 95.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.483 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

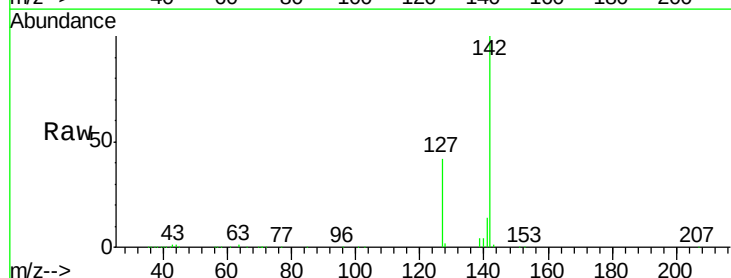
Tgt Ion:142 Resp: 192574

Ion Ratio Lower Upper

142 100

127 44.6 35.4 53.2

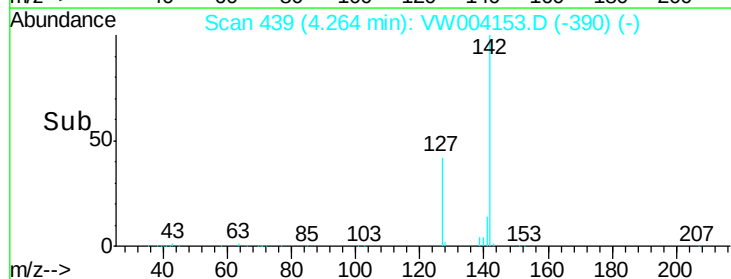
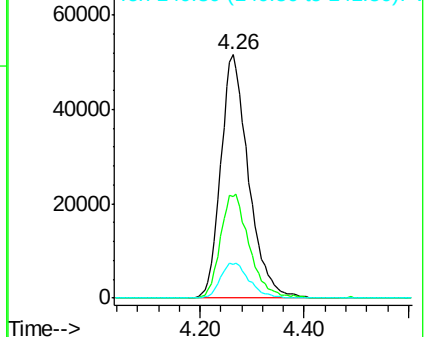
141 14.9 11.7 17.5

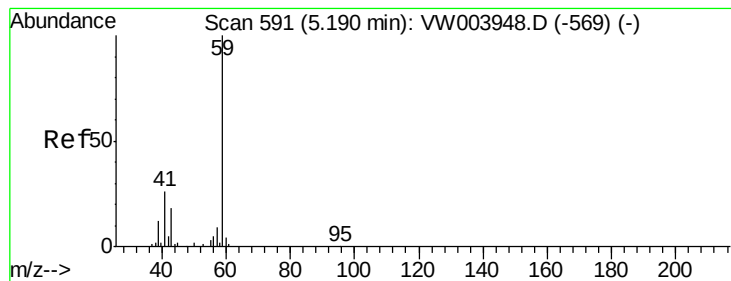


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



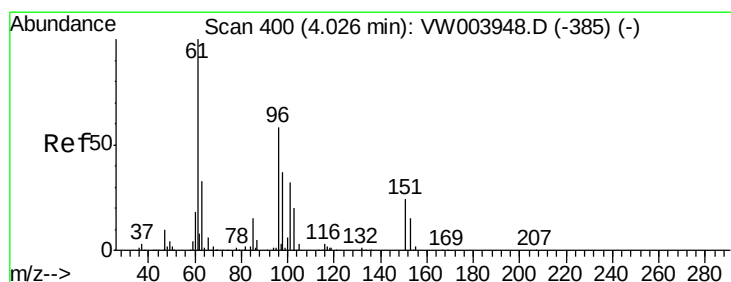
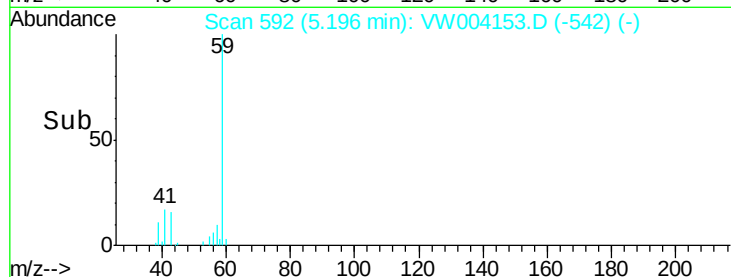
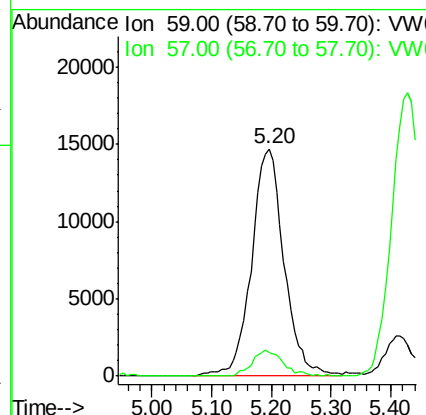
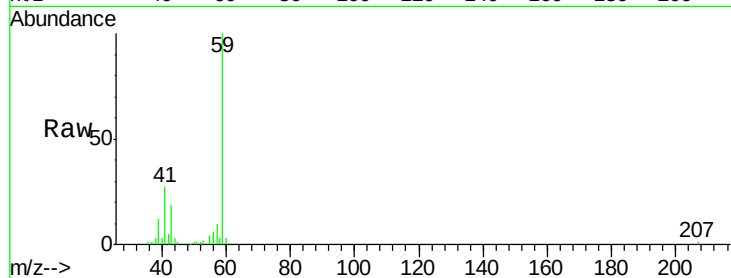


#11

Tert butyl alcohol
Concen: 289.027 ug/l
RT: 5.20 min Scan# 592
Delta R.T. 0.01 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

Instrument :
MSVOA_W
ClientSampleId :

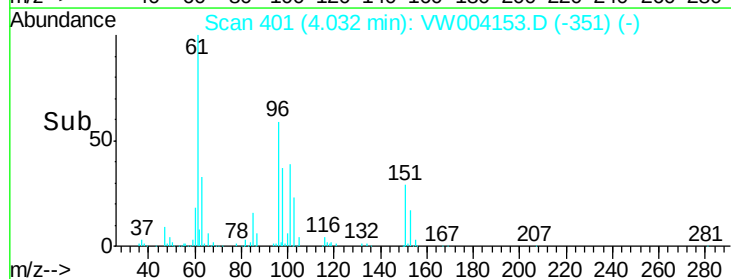
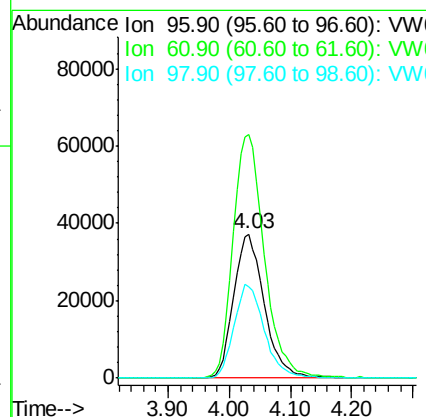
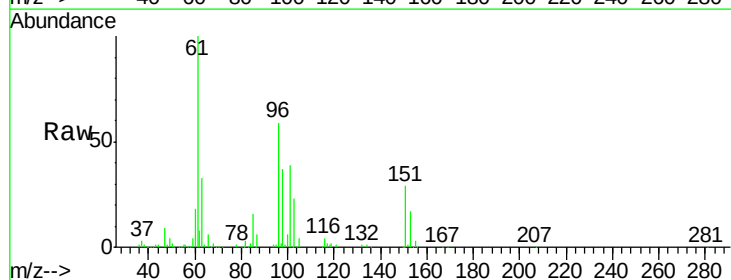
Tot Ion: 59 Resp: 55726
Ion Ratio Lower Upper
59 100
57 11.0 8.5 12.7

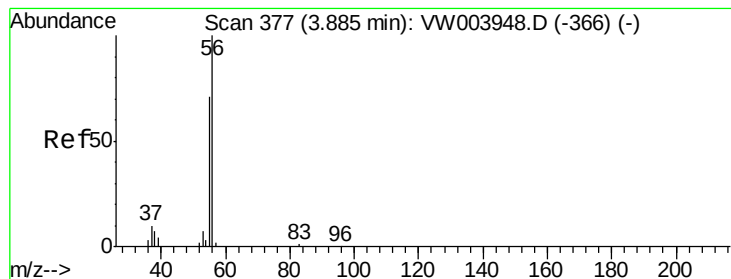


#12

1,1-Dichloroethene
Concen: 53.084 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.01 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

Tgt Ion: 96 Resp: 128903
Ion Ratio Lower Upper
96 100
61 169.0 137.0 205.6
98 63.0 50.2 75.4





#13

Acrolein

Concen: 346.571 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

Instrument :

MSVOA_W

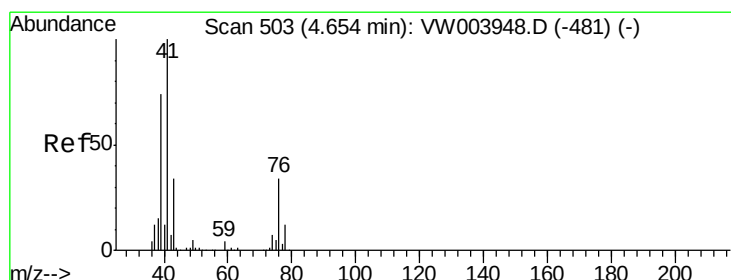
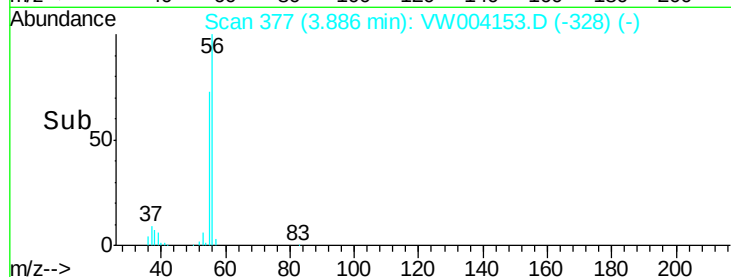
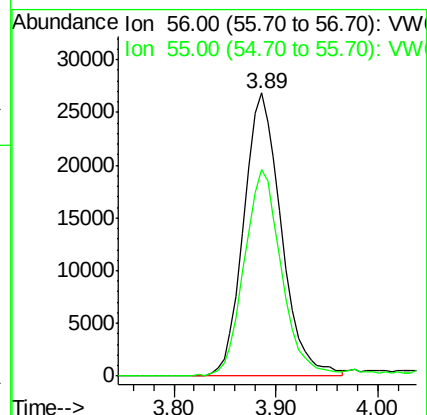
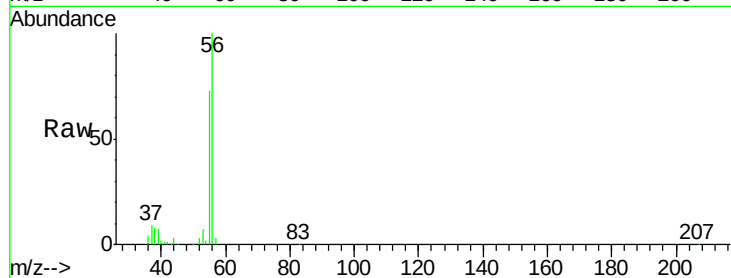
ClientSampled :

Tot Ion: 56 Resp: 68658

Ion Ratio Lower Upper

56 100

55 72.5 58.2 87.4



#14

Allyl chloride

Concen: 56.727 ug/l

RT: 4.65 min Scan# 503

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

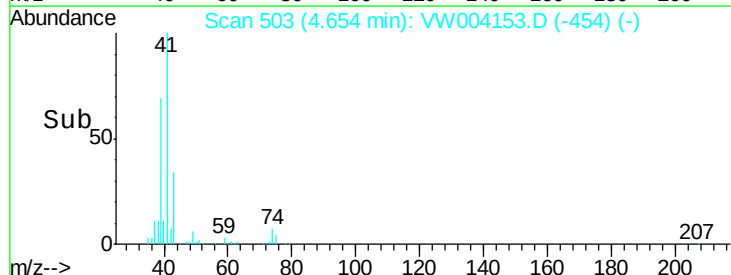
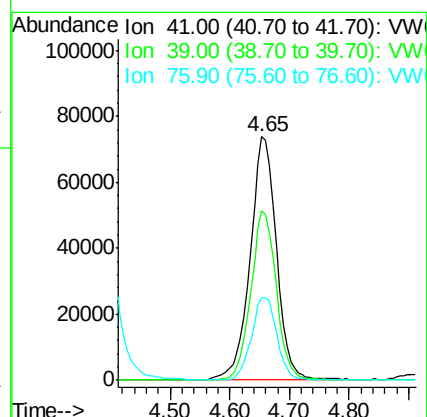
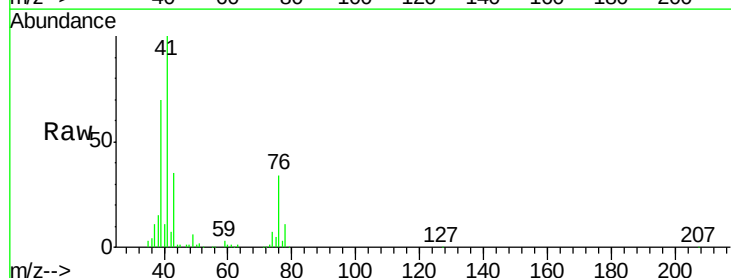
Tgt Ion: 41 Resp: 227370

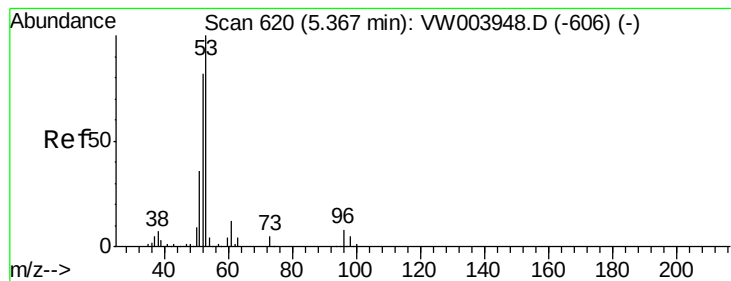
Ion Ratio Lower Upper

41 100

39 67.4 57.0 85.4

76 33.0 26.5 39.7





#15

Acrylonitrile

Concen: 305.387 ug/l

RT: 5.37 min Scan# 620

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

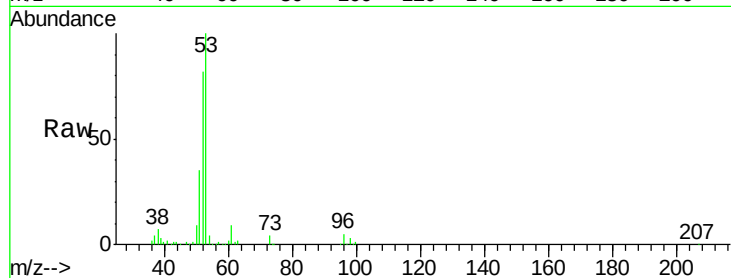
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 53 Resp: 193723

Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.1	99.1
51	37.1	29.8	44.6

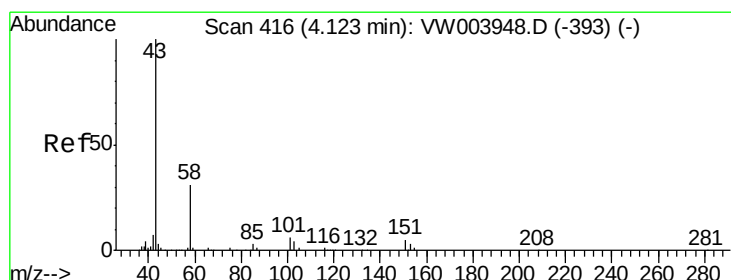
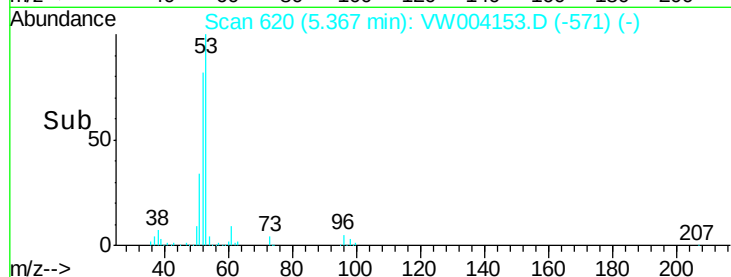
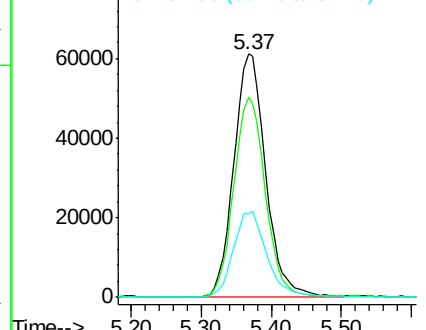


Abundance

Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 231.151 ug/l

RT: 4.12 min Scan# 416

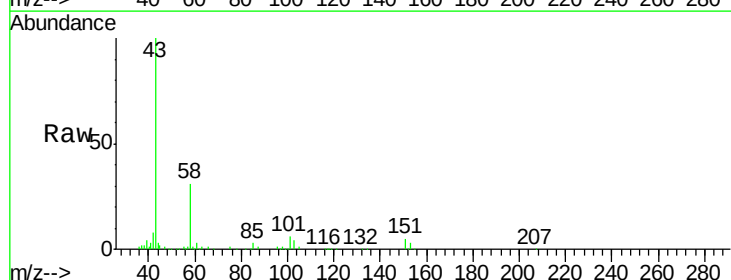
Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

Tgt Ion: 43 Resp: 155136

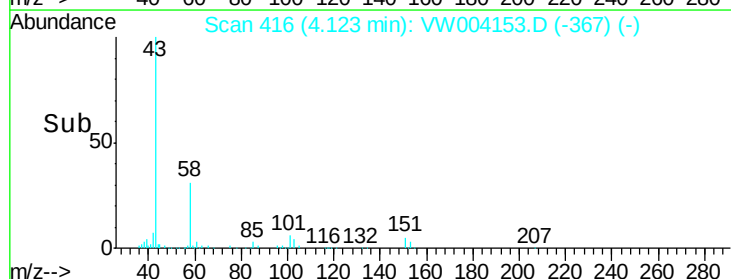
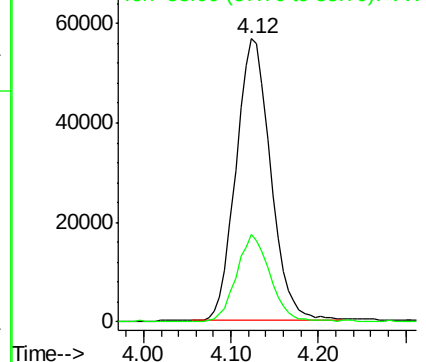
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.5	36.7

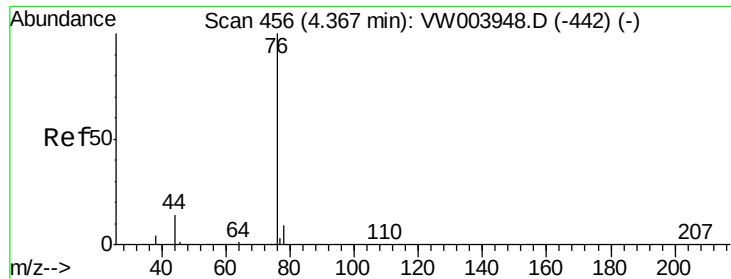


Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

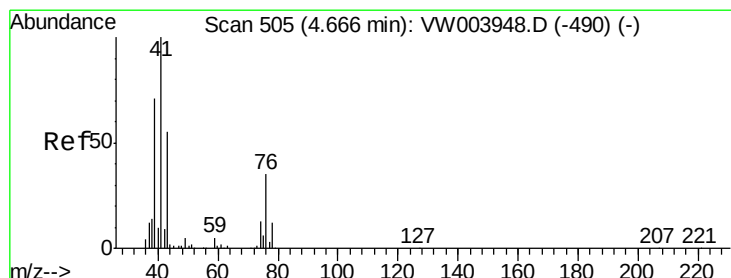
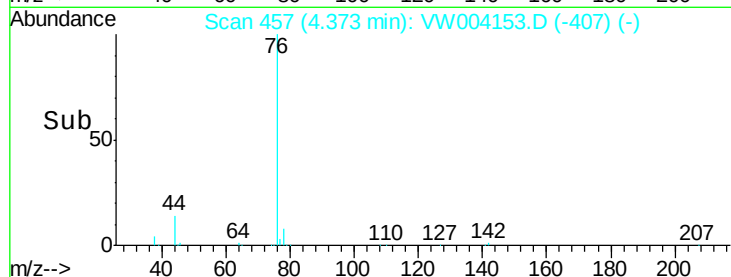
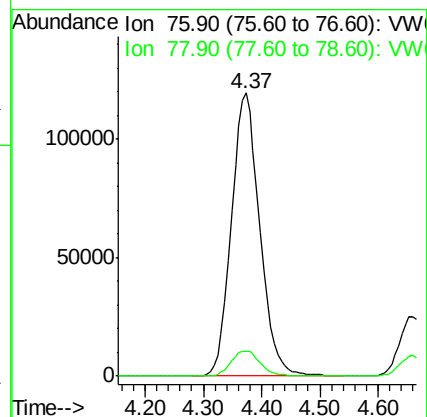
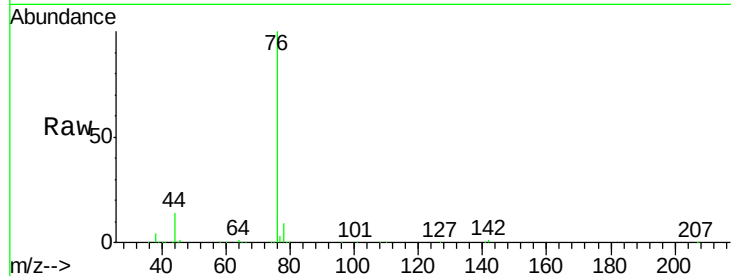




#17
Carbon Disulfide
Concen: 53.246 ug/l
RT: 4.37 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

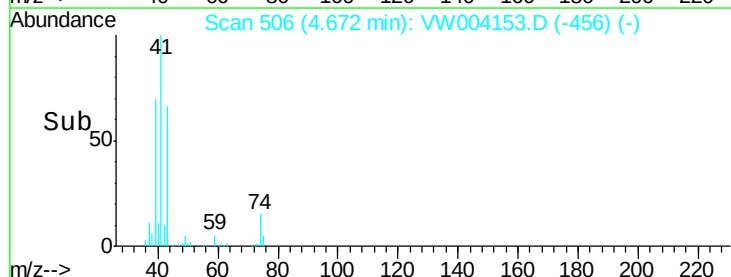
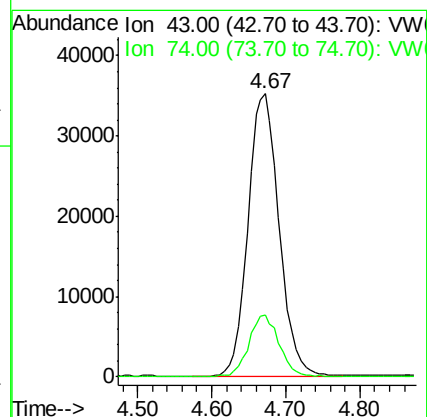
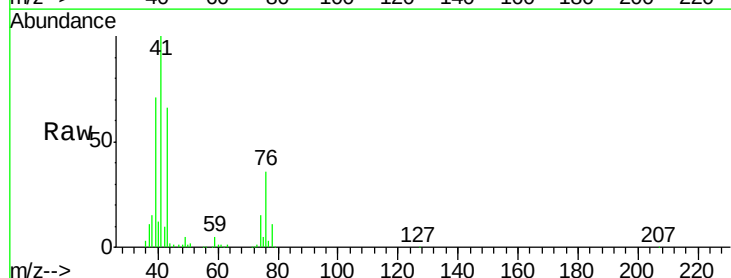
Instrument :
MSVOA_W
ClientSampleId :

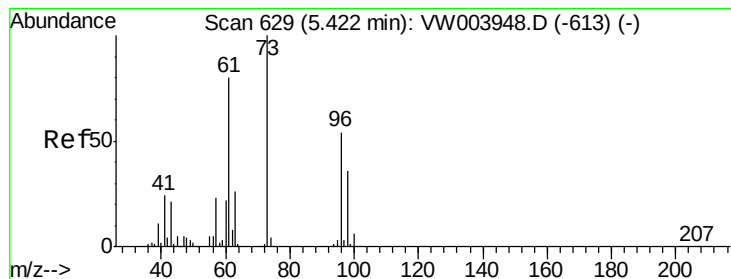
Tot Ion: 76 Resp: 403572
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 64.612 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.01 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

Tgt Ion: 43 Resp: 104091
Ion Ratio Lower Upper
43 100
74 21.6 17.7 26.5



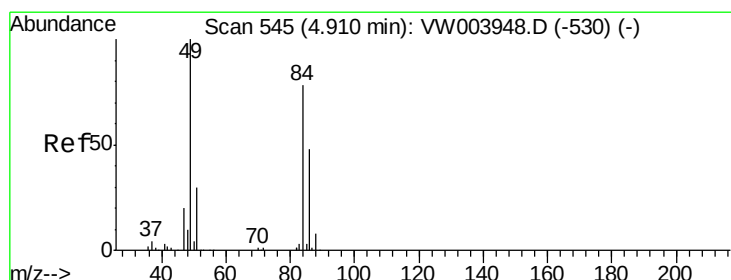
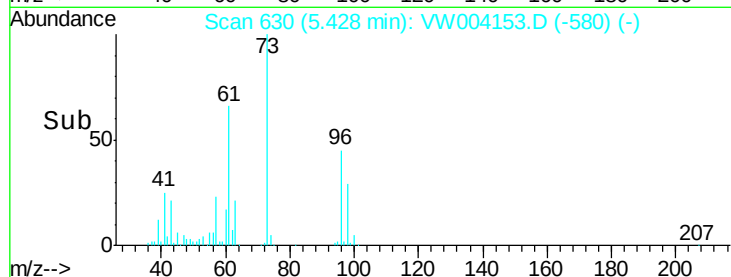
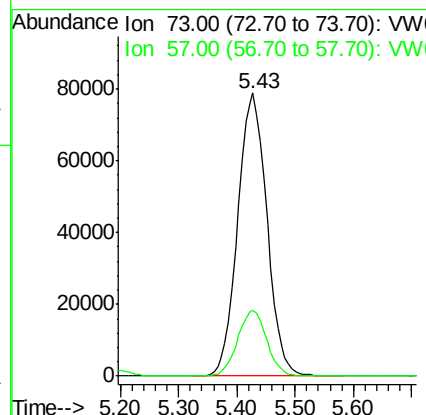
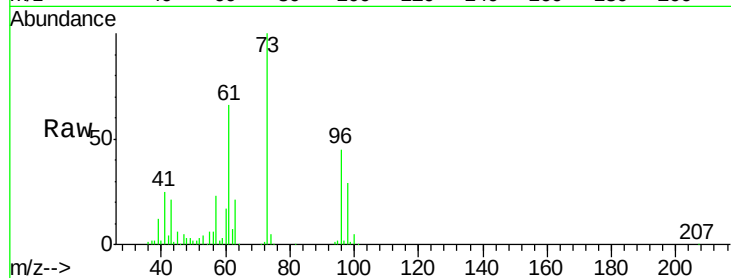


#19

Methvl tert-butvl Ether
 Concen: 59.090 ug/l
 RT: 5.43 min Scan# 630
 Delta R.T. 0.01 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

Instrument :
 MSVOA_W
 ClientSampled :

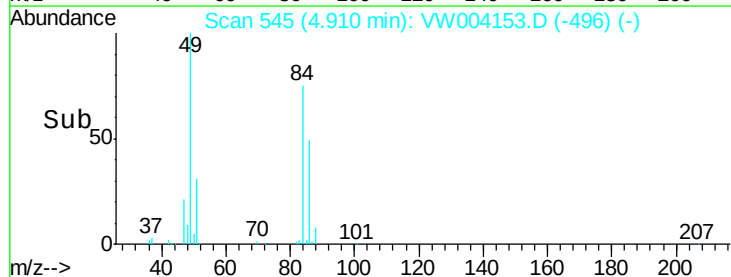
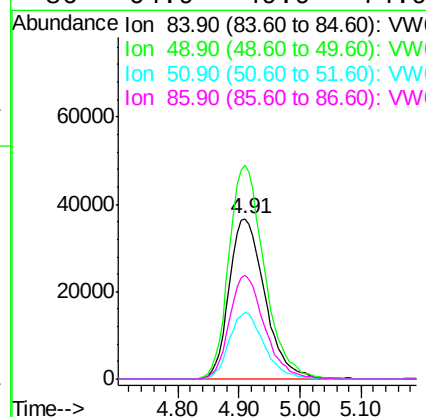
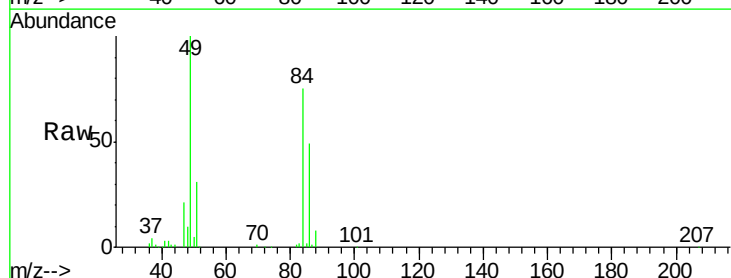
Tot Ion: 73 Resp: 274994
 Ion Ratio Lower Upper
 73 100
 57 23.2 18.2 27.4

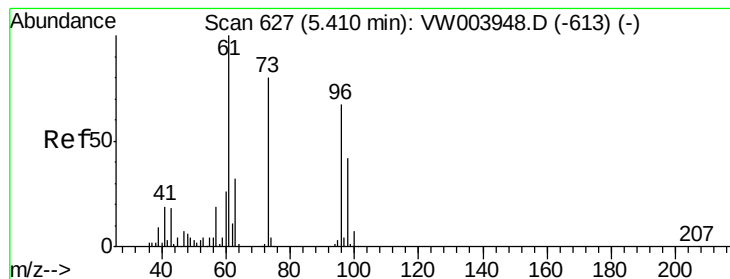


#20

Methylene Chloride
 Concen: 49.968 ug/l
 RT: 4.91 min Scan# 545
 Delta R.T. 0.00 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

Tgt Ion: 84 Resp: 148076
 Ion Ratio Lower Upper
 84 100
 49 133.3 102.9 154.3
 51 41.5 30.9 46.3
 86 64.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 55.157 ug/l

RT: 5.41 min Scan# 627

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

Instrument :
MSVOA_W
ClientSampled :

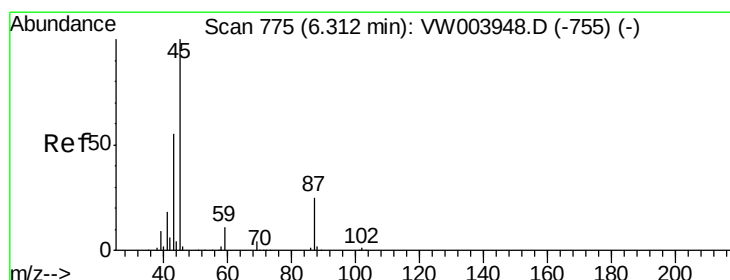
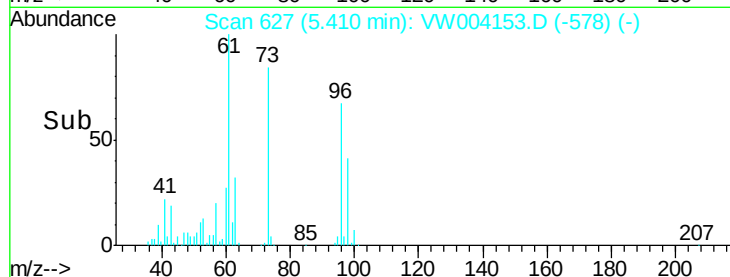
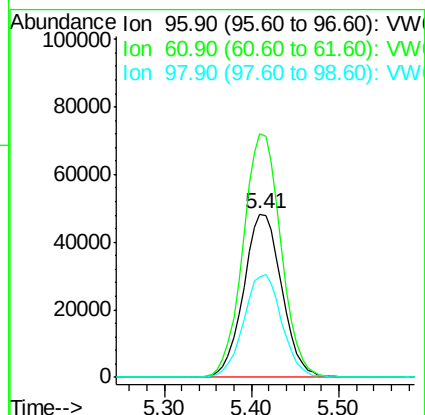
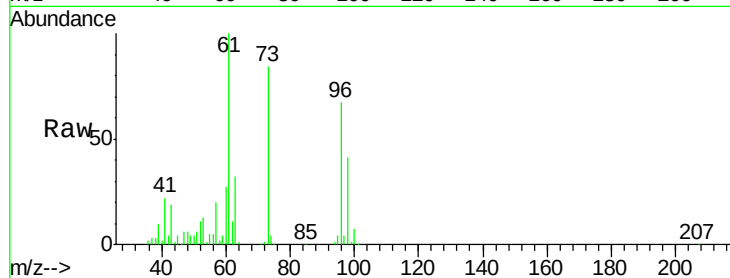
Tot Ion: 96 Resp: 146814

Ion Ratio Lower Upper

96 100

61 149.2 119.0 178.4

98 61.7 49.9 74.9



#22

Diisopropyl ether

Concen: 59.369 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

Tgt Ion: 45 Resp: 480919

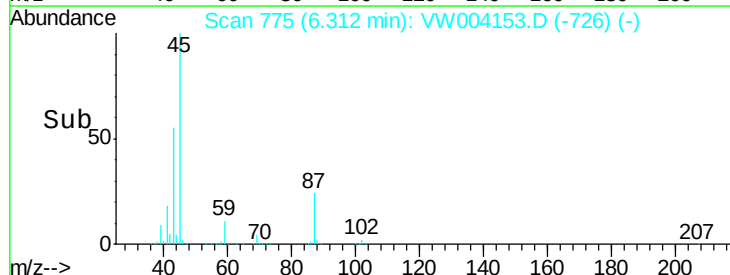
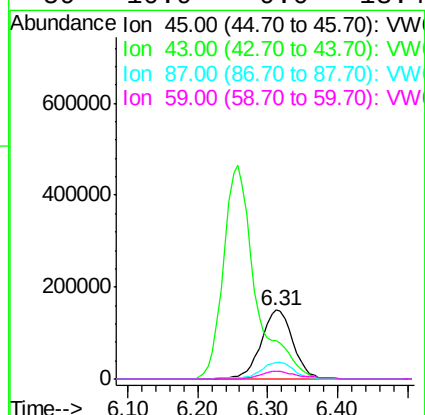
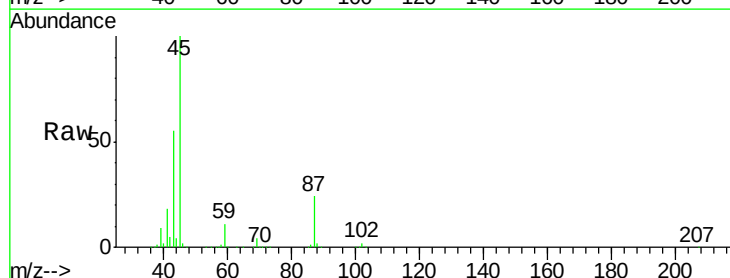
Ion Ratio Lower Upper

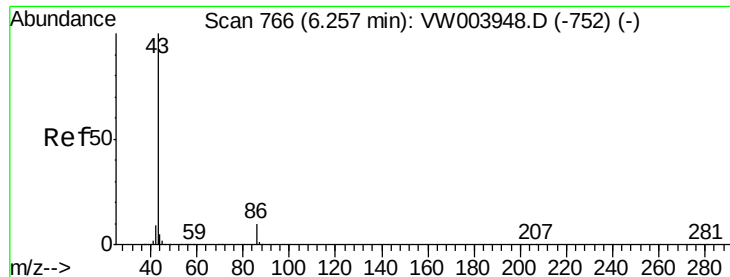
45 100

43 54.9 44.3 66.5

87 23.9 20.2 30.4

59 10.9 9.0 13.4





#23

Vinyl Acetate

Concen: 290.927 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

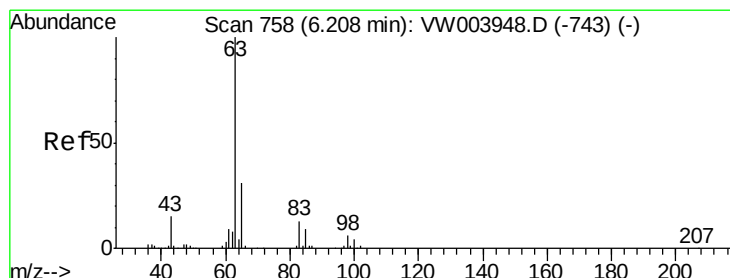
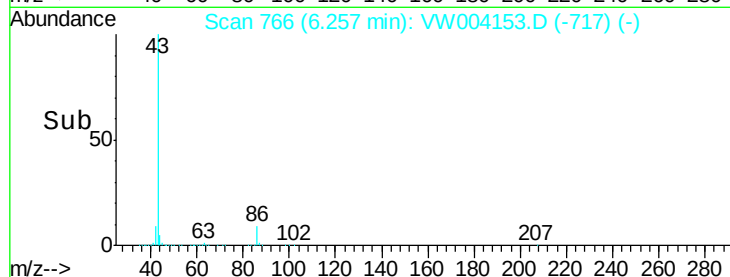
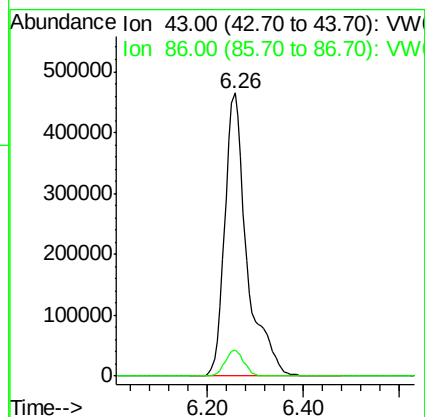
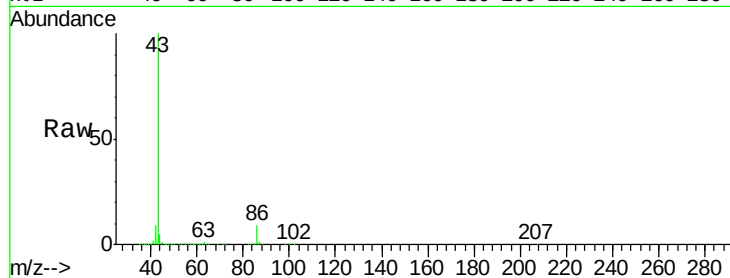
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1493223

Ion Ratio Lower Upper

43 100

86 9.1 7.6 11.4



#24

1,1-Dichloroethane

Concen: 56.461 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

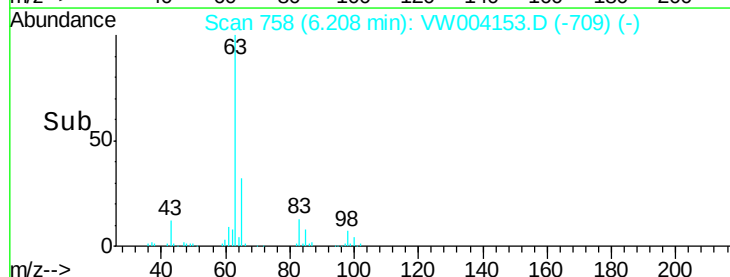
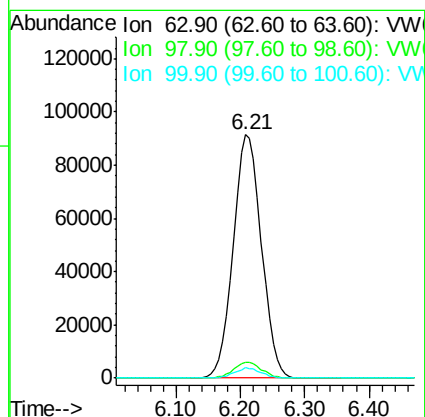
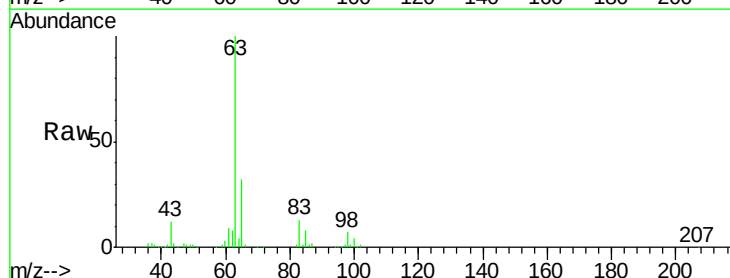
Tgt Ion: 63 Resp: 279072

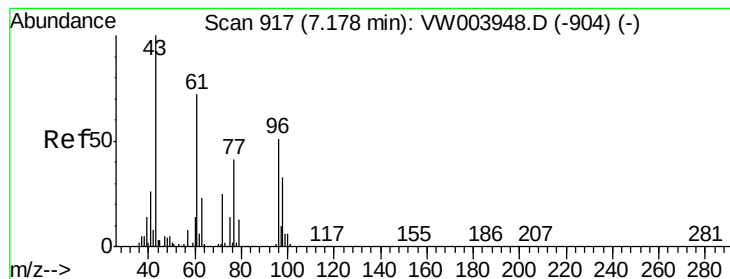
Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

100 4.2 2.1 6.5





#25

2-Butanone

Concen: 284.585 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

Instrument :

MSVOA_W

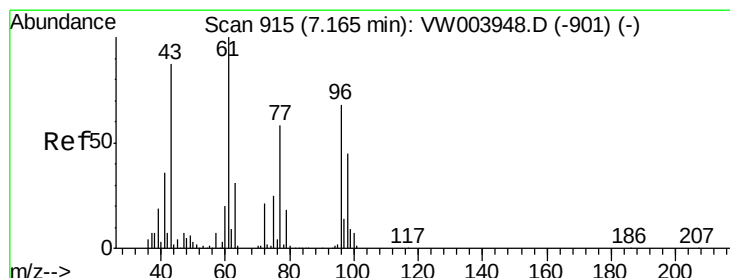
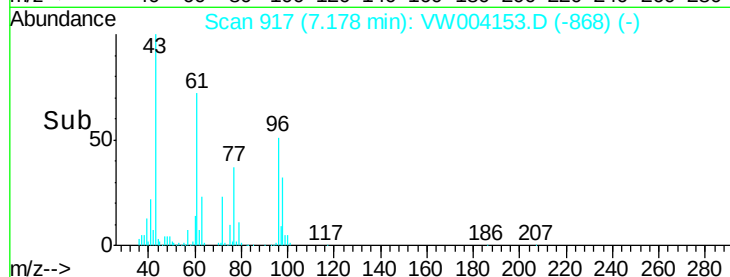
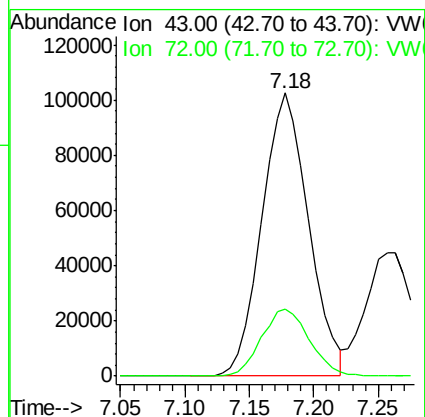
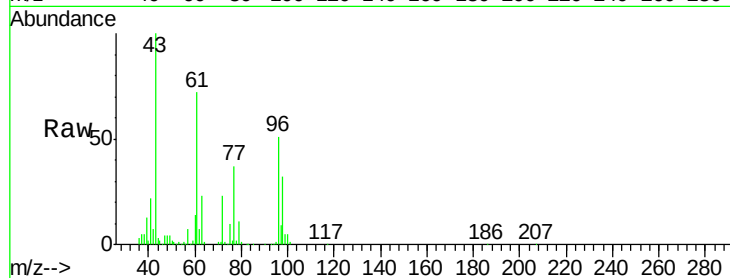
ClientSampled :

Tot Ion: 43 Resp: 257028

Ion Ratio Lower Upper

43 100

72 23.5 19.8 29.6



#26

2,2-Dichloropropane

Concen: 46.119 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004153.D

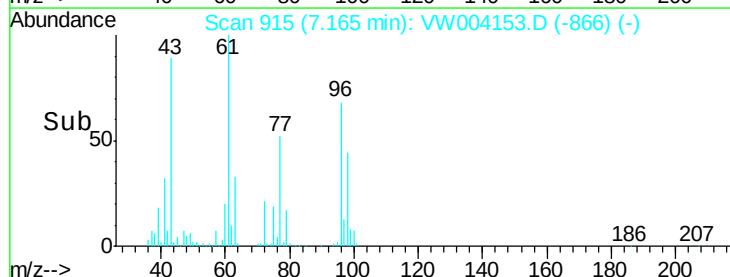
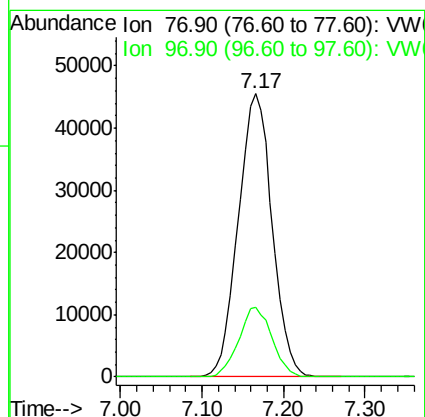
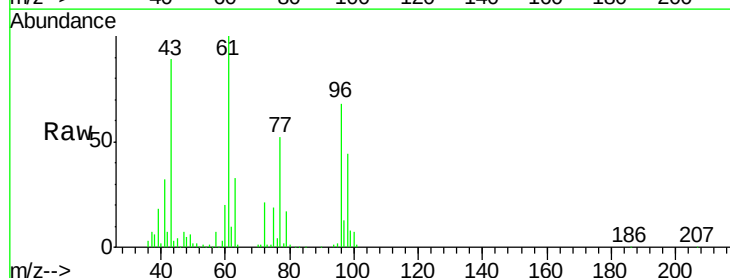
Acq: 23 Jul 2018 23:25

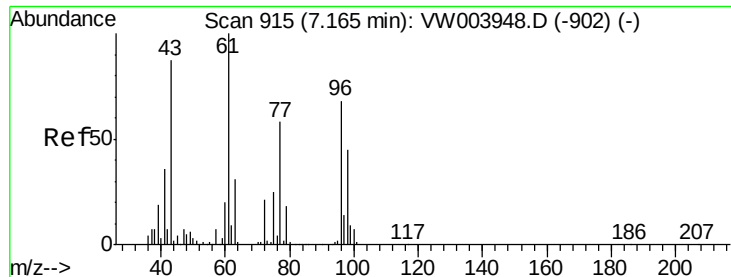
Tgt Ion: 77 Resp: 130850

Ion Ratio Lower Upper

77 100

97 24.2 11.8 35.3



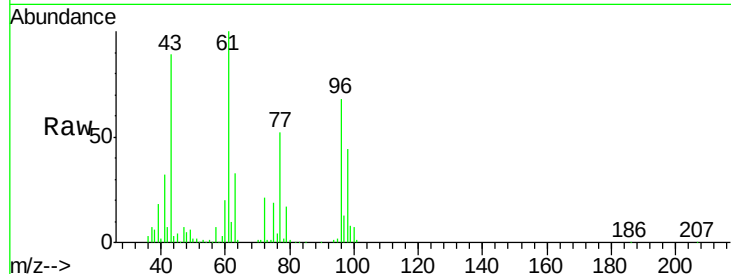


#27

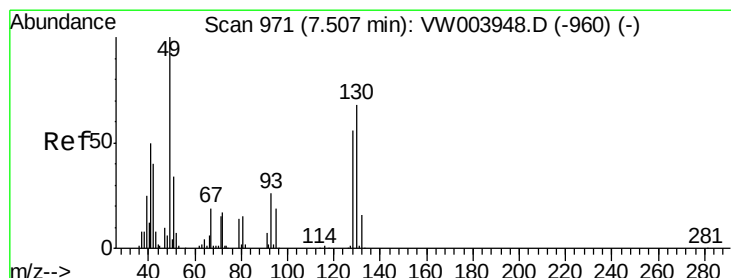
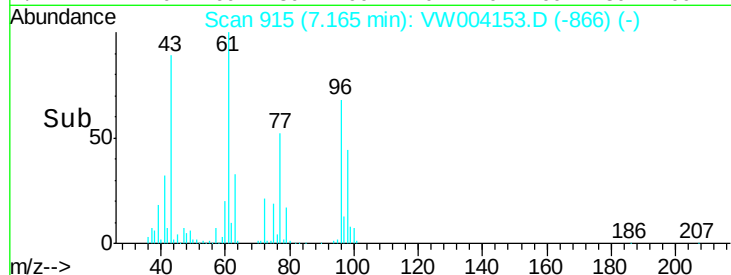
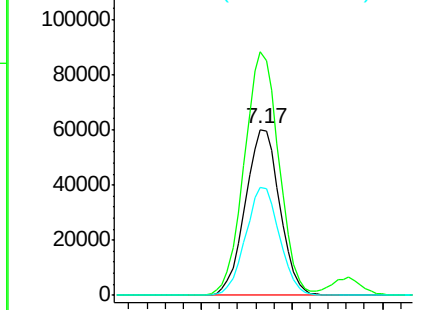
cis-1,2-Dichloroethene
 Concen: 55.048 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	96	Resp	158394
Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	298.6
98	64.2	0.0	130.4



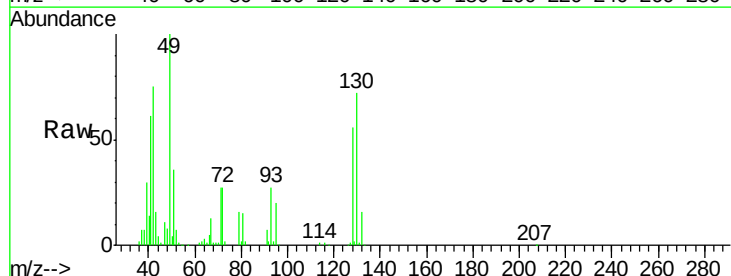
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



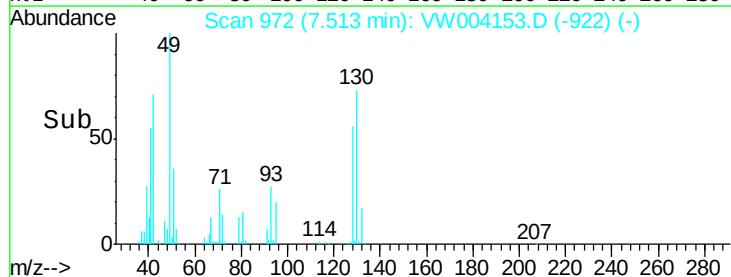
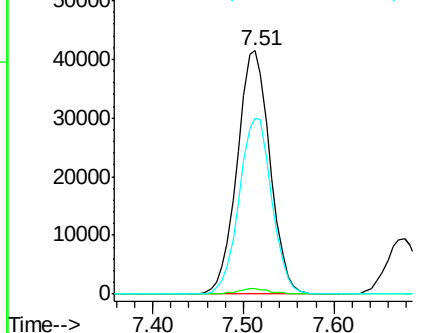
#28

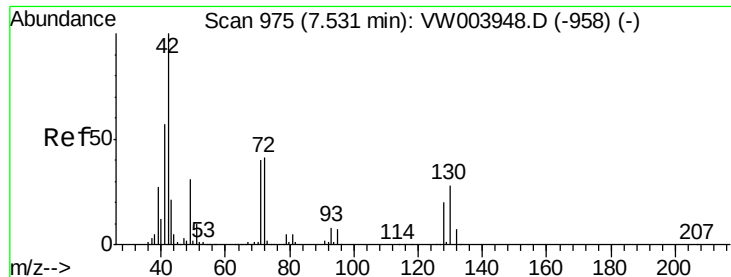
Bromochloromethane
 Concen: 51.447 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

Tgt Ion	49	Resp	104066
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.2
130	71.8	58.3	87.5



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

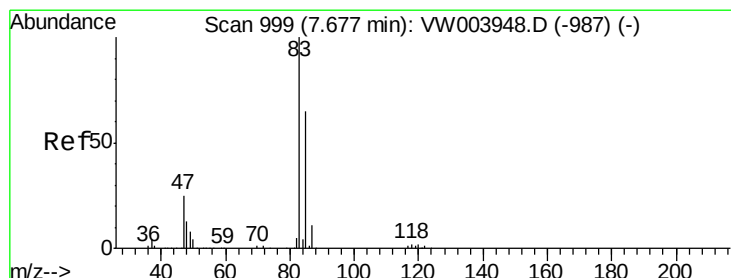
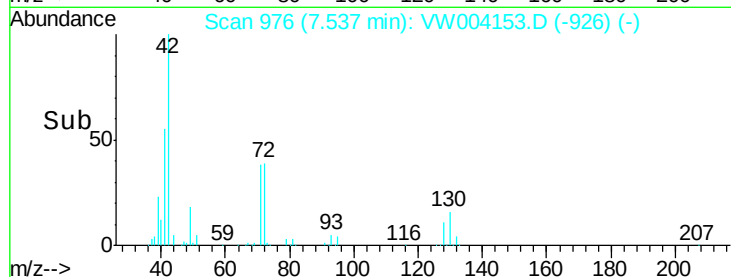
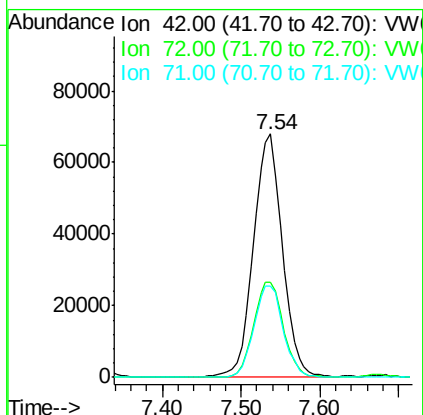
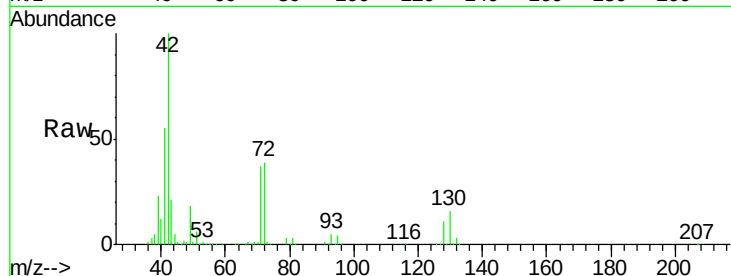




#29
Tetrahydrofuran
Concen: 306.773 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

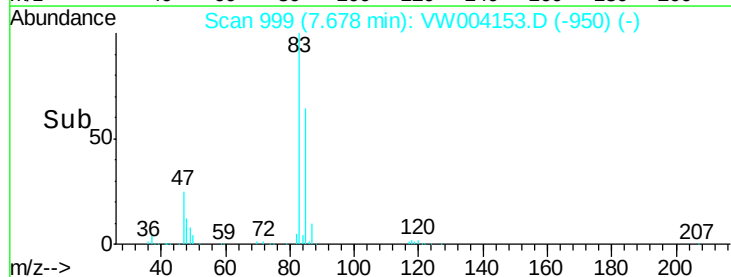
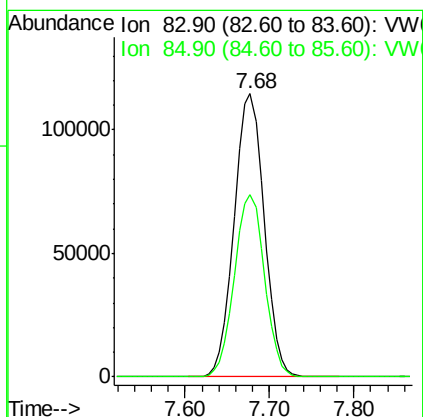
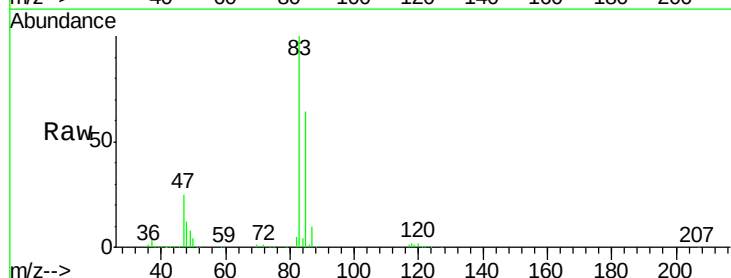
Instrument :
MSVOA_W
ClientSampled :

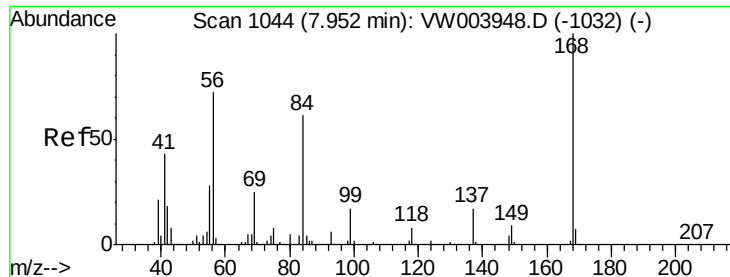
Tot Ion: 42 Resp: 172585
Ion Ratio Lower Upper
42 100
72 40.1 32.6 48.8
71 38.3 30.5 45.7



#30
Chloroform
Concen: 56.116 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

Tgt Ion: 83 Resp: 275894
Ion Ratio Lower Upper
83 100
85 64.5 52.2 78.4

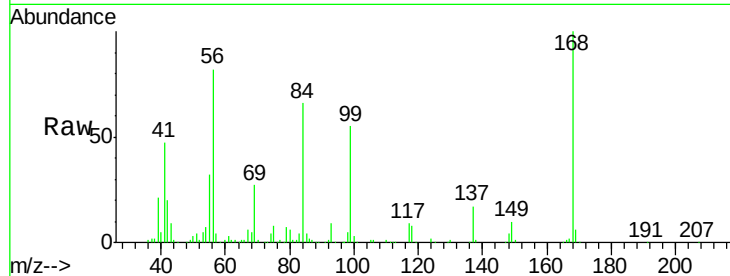




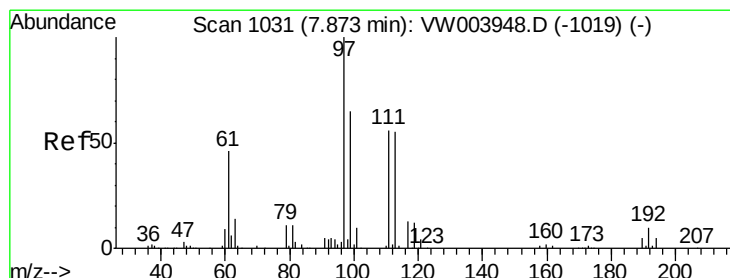
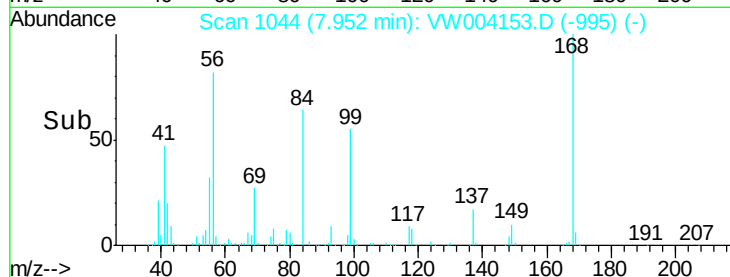
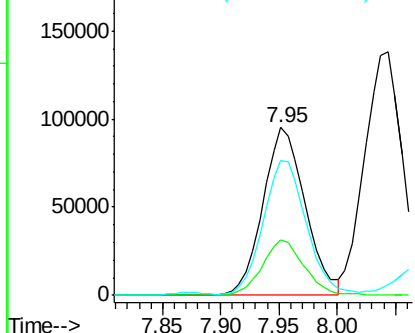
#31
Cyclohexane
Concen: 51.806 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 240034
Ion Ratio Lower Upper
56 100
69 32.8 27.8 41.8
84 78.4 67.2 100.8

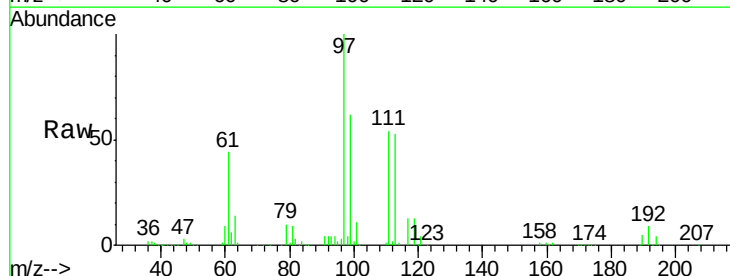


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

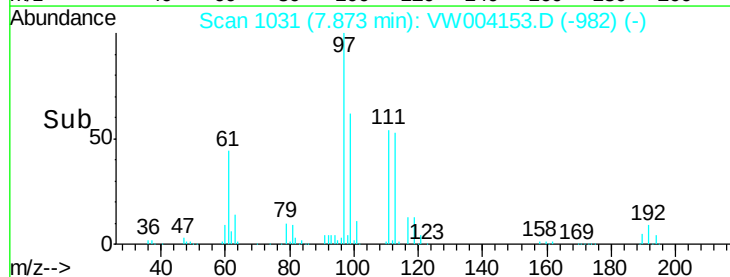
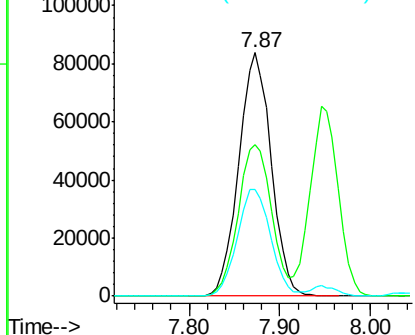


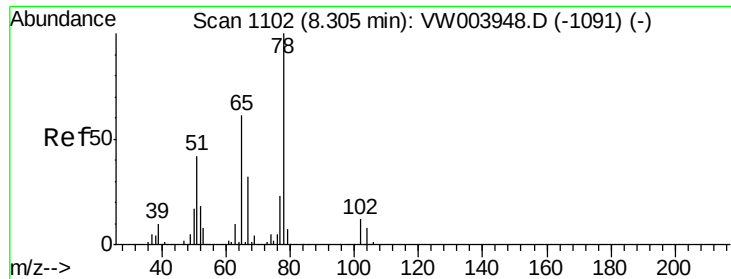
#32
1,1,1-Trichloroethane
Concen: 54.059 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

Tgt Ion: 97 Resp: 207545
Ion Ratio Lower Upper
97 100
99 64.0 51.3 76.9
61 45.4 36.8 55.2



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

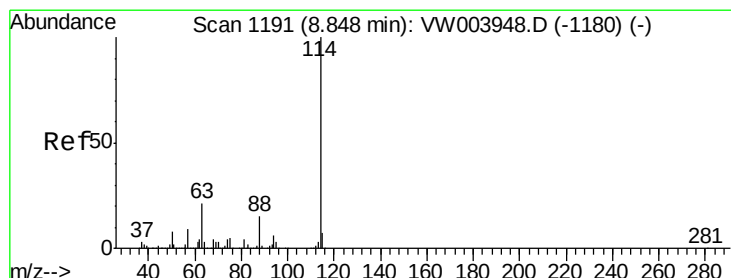
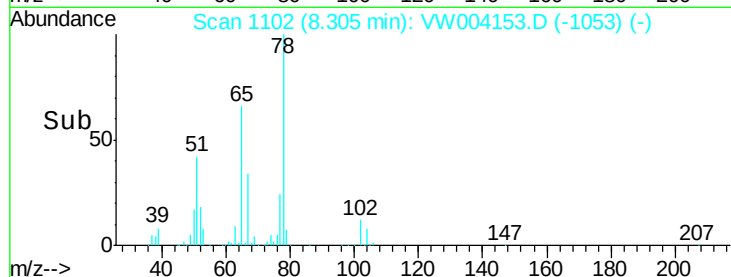
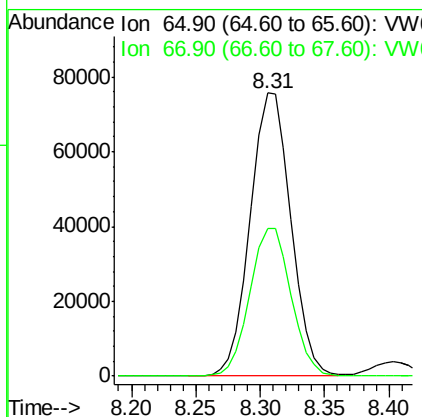
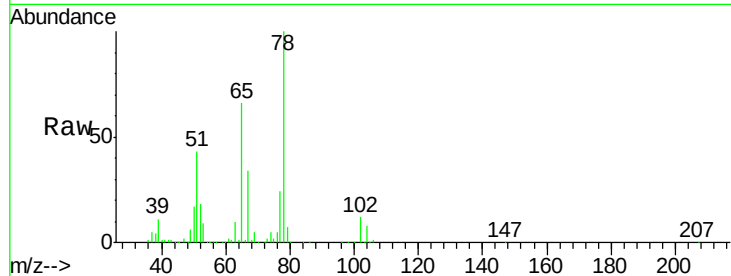




#33
 1,2-Dichloroethane-d4
 Concen: 59.223 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

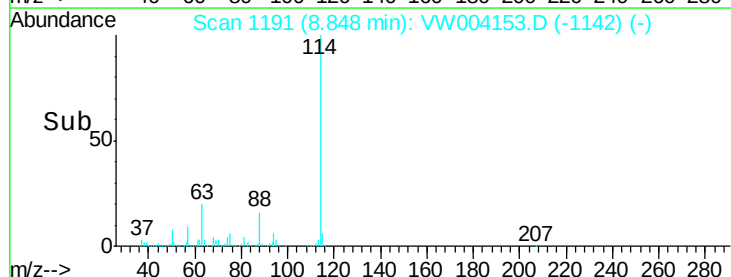
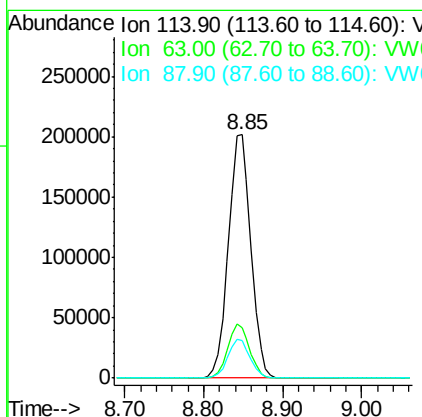
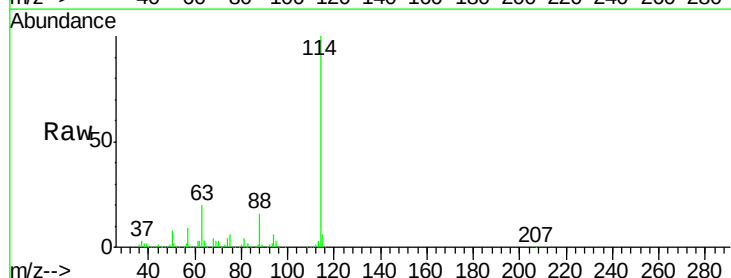
Instrument :
 MSVOA_W
 ClientSampleId :

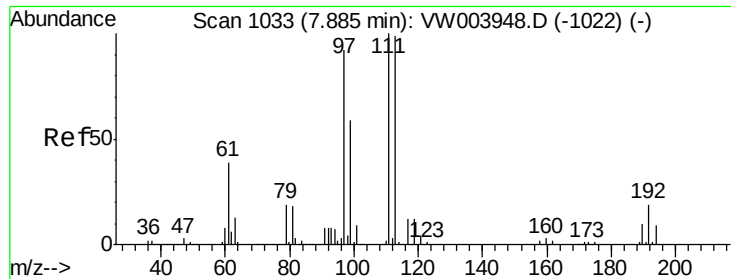
Tot Ion: 65 Resp: 165406
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

Tgt Ion: 114 Resp: 397989
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.8
 88 15.6 0.0 30.4

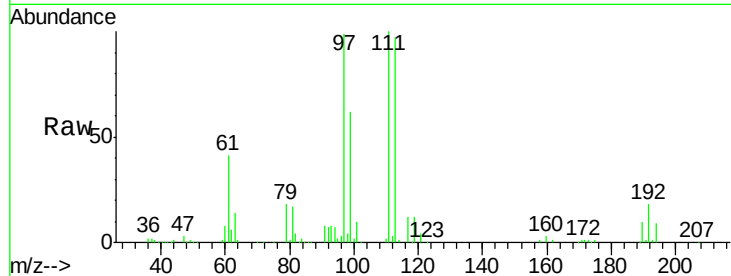




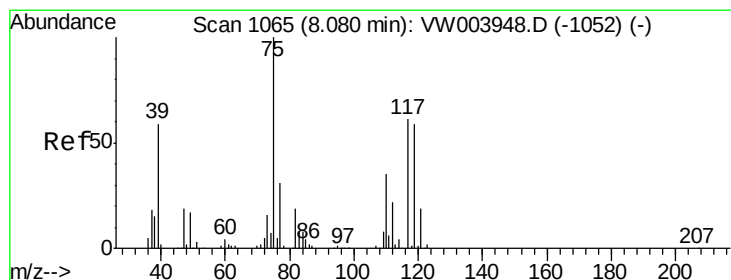
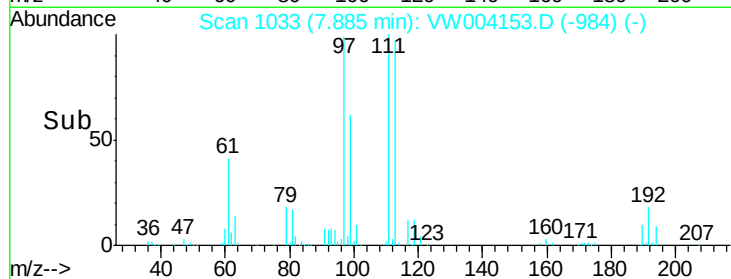
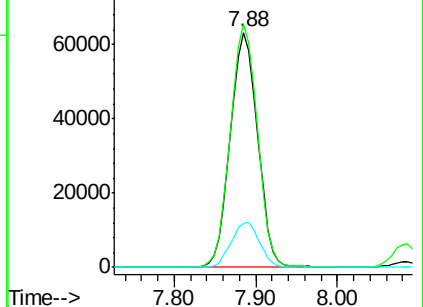
#35
 Dibromofluoromethane
 Concen: 57.070 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:113 Resp: 145733
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.3 121.9
 192 19.7 15.8 23.6

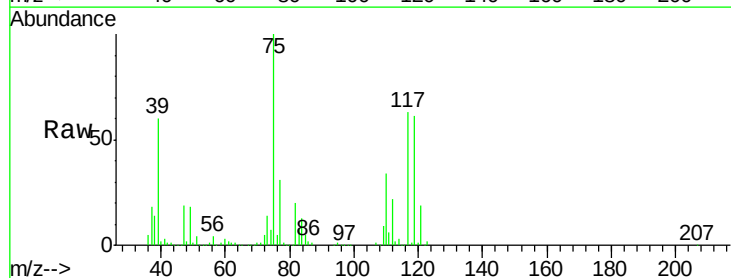


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

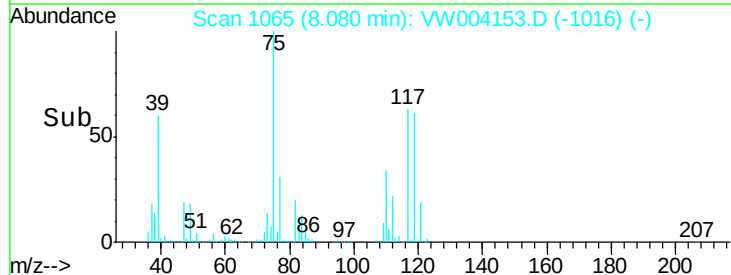
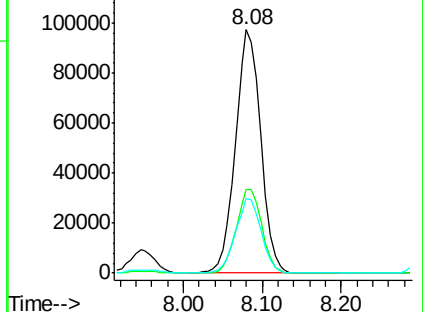


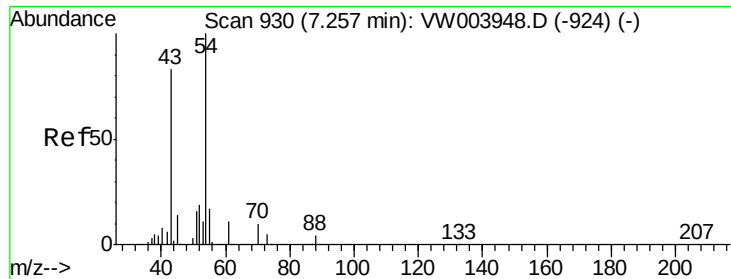
#36
 1,1-Dichloropropene
 Concen: 53.018 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

Tgt Ion: 75 Resp: 217094
 Ion Ratio Lower Upper
 75 100
 110 34.7 17.0 51.0
 77 31.2 24.9 37.3



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

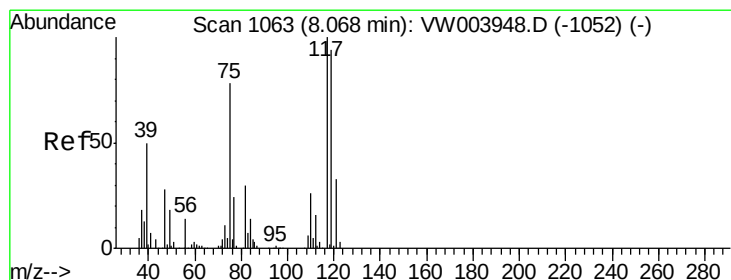
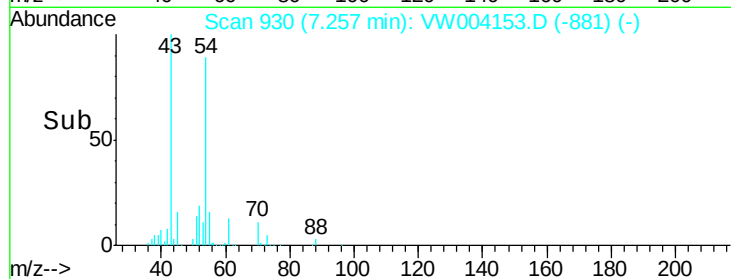
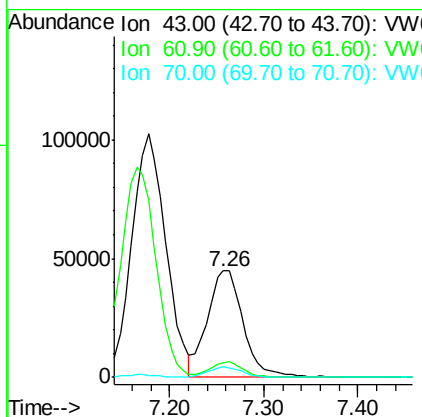
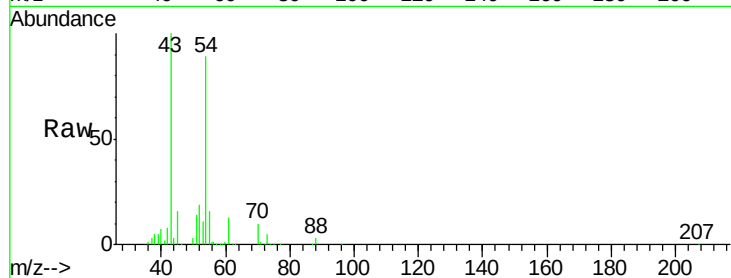




#37
Ethyl Acetate
Concen: 59.314 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

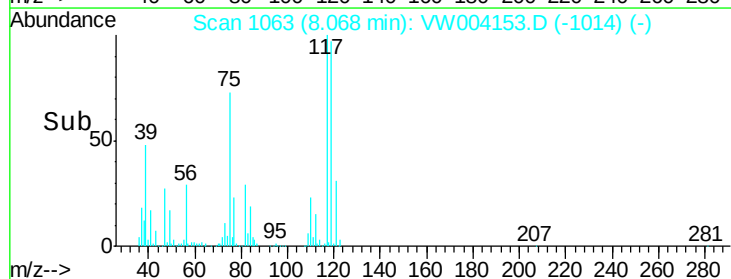
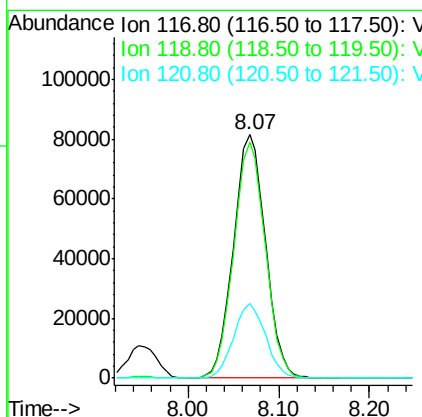
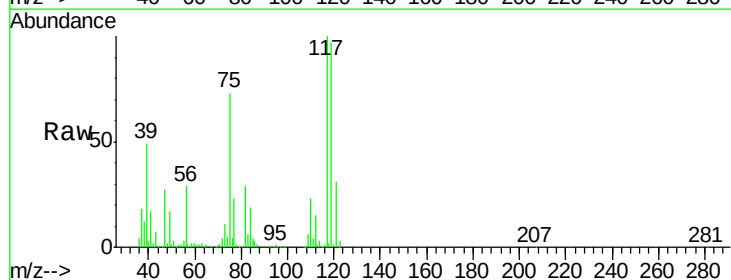
Instrument :
MSVOA_W
ClientSampled :

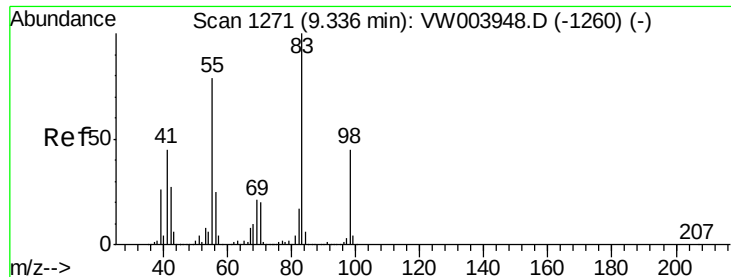
Tot Ion: 43 Resp: 117147
Ion Ratio Lower Upper
43 100
61 13.2 10.7 16.1
70 9.3 7.7 11.5



#38
Carbon Tetrachloride
Concen: 52.139 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

Tgt Ion: 117 Resp: 199487
Ion Ratio Lower Upper
117 100
119 97.0 75.3 112.9
121 30.6 26.0 39.0

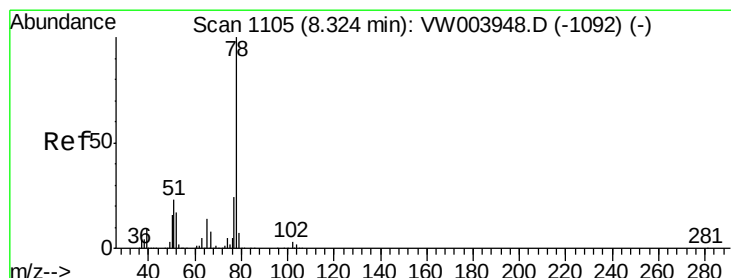
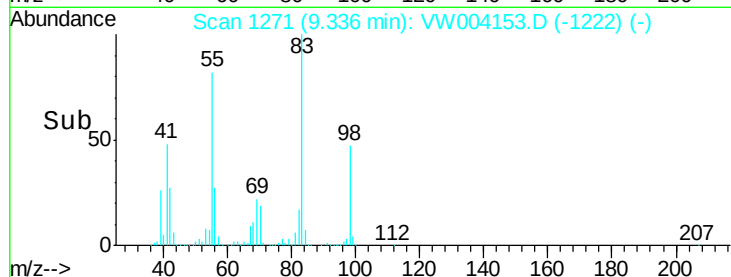
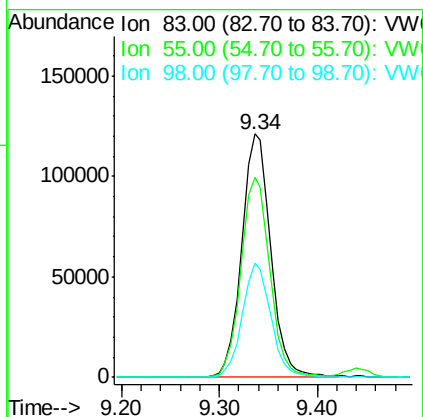
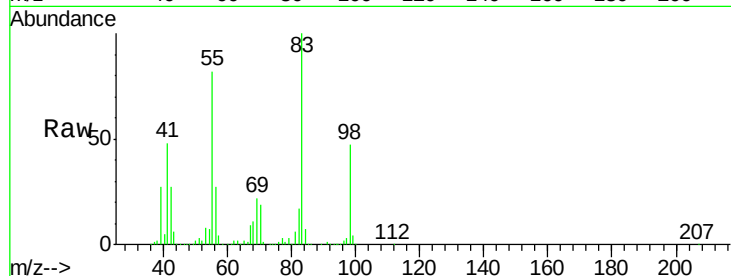




#39
Methylvlcyclohexane
Concen: 52.038 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

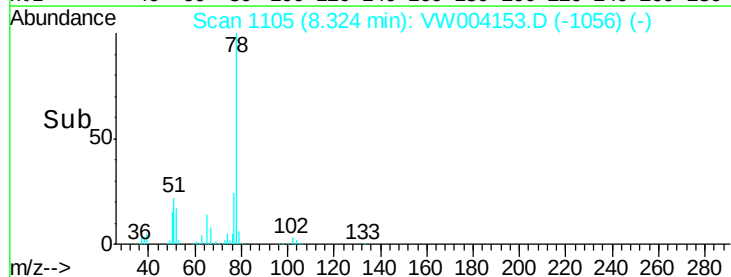
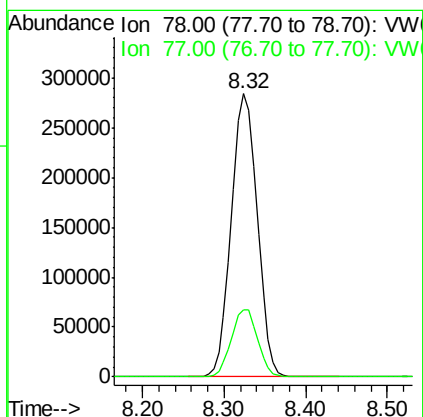
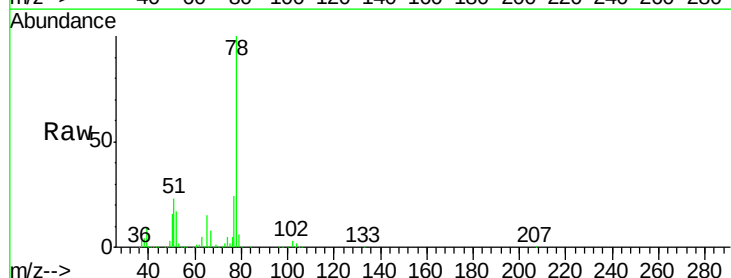
Instrument :
MSVOA_W
ClientSampleId :

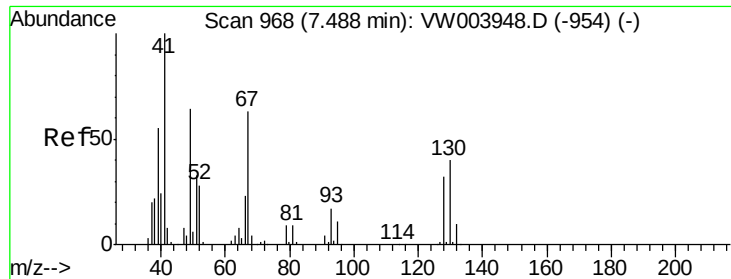
Tot Ion: 83 Resp: 249550
Ion Ratio Lower Upper
83 100
55 81.9 62.8 94.2
98 47.2 36.2 54.4



#40
Benzene
Concen: 54.913 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

Tgt Ion: 78 Resp: 623825
Ion Ratio Lower Upper
78 100
77 23.9 19.5 29.3





#41

Methacrylonitrile

Concen: 62.657 ug/l

RT: 7.49 min Scan# 968

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 68569

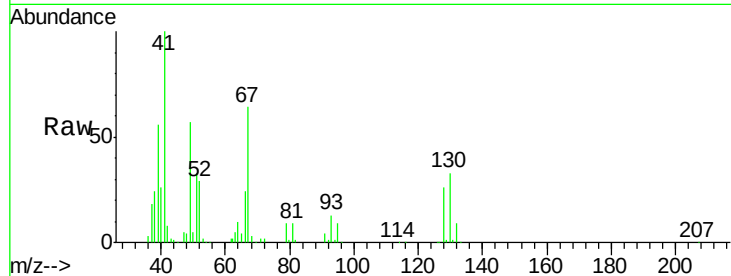
Ion Ratio Lower Upper

41 100

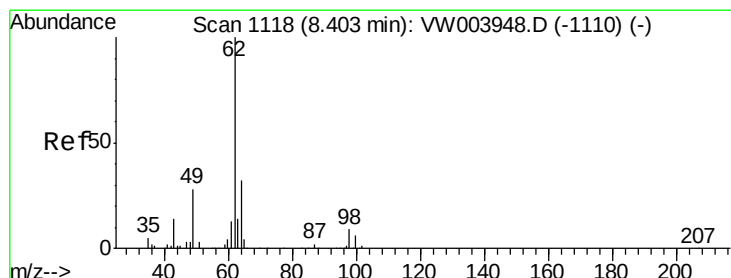
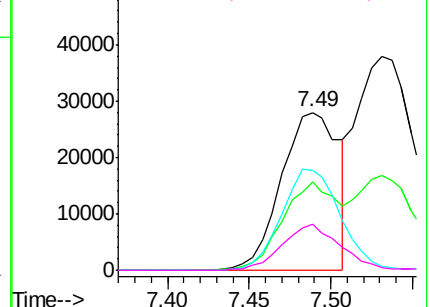
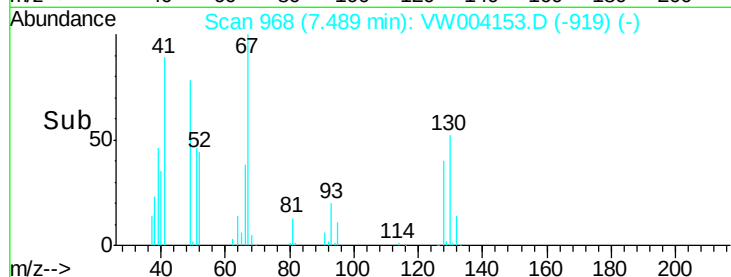
39 52.8 50.0 75.0

67 65.8 60.8 91.2

52 29.4 26.2 39.4



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



#42

1,2-Dichloroethane

Concen: 55.630 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004153.D

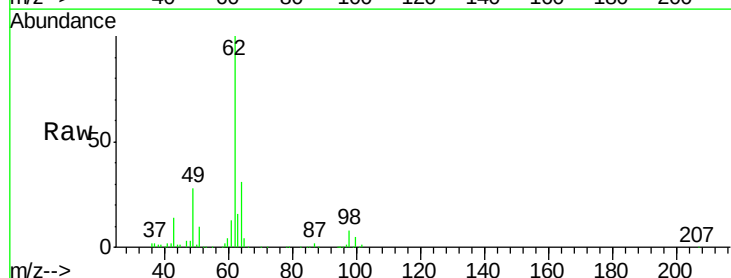
Acq: 23 Jul 2018 23:25

Tgt Ion: 62 Resp: 192802

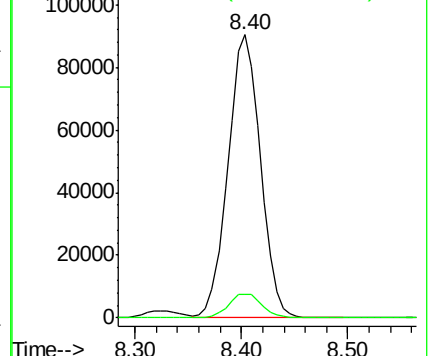
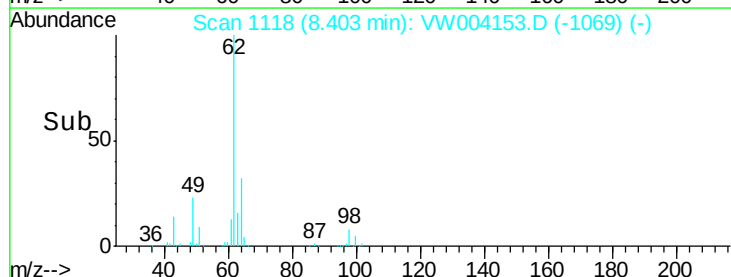
Ion Ratio Lower Upper

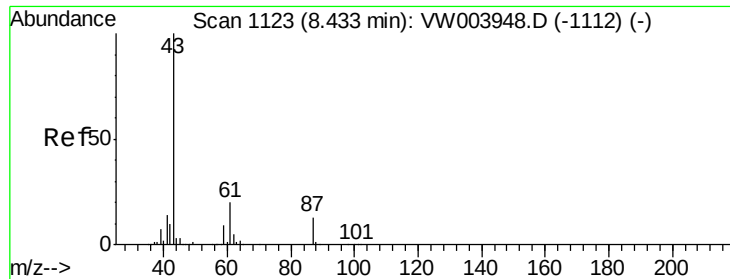
62 100

98 8.8 0.0 17.4



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





#43

Isopropyl Acetate

Concen: 57.830 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

Instrument :

MSVOA_W

ClientSampled :

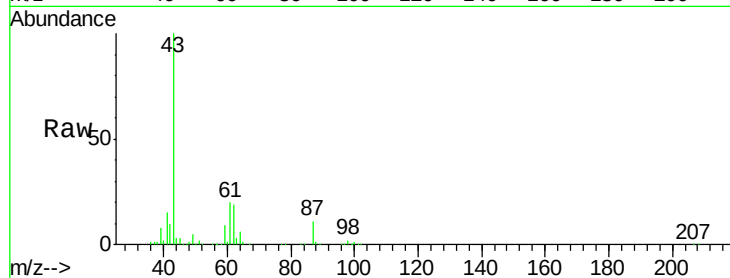
Tot Ion: 43 Resp: 213624

Ion Ratio Lower Upper

43 100

61 28.3 23.0 34.6

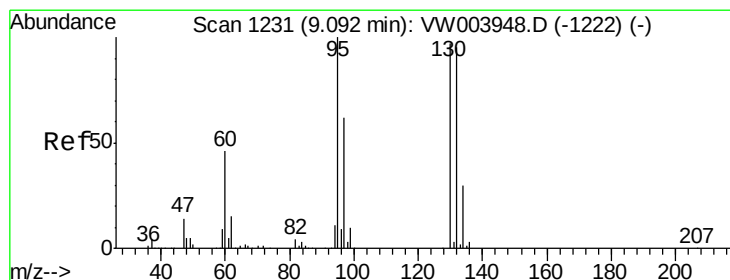
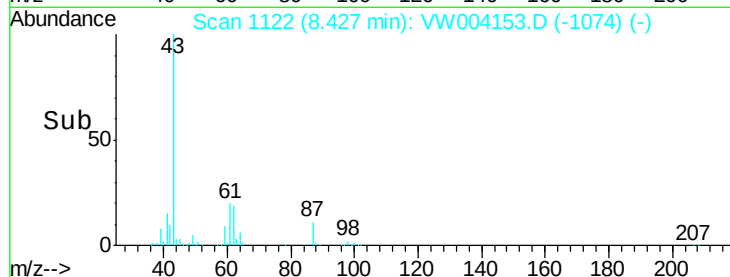
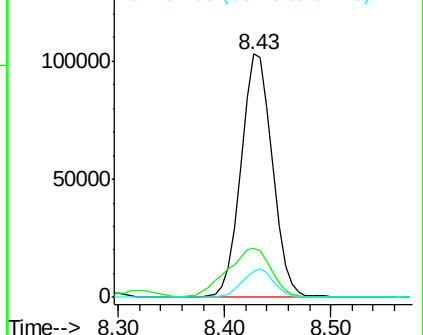
87 11.8 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 53.480 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004153.D

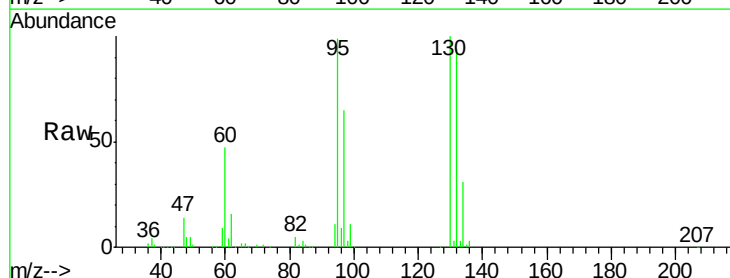
Acq: 23 Jul 2018 23:25

Tgt Ion:130 Resp: 157487

Ion Ratio Lower Upper

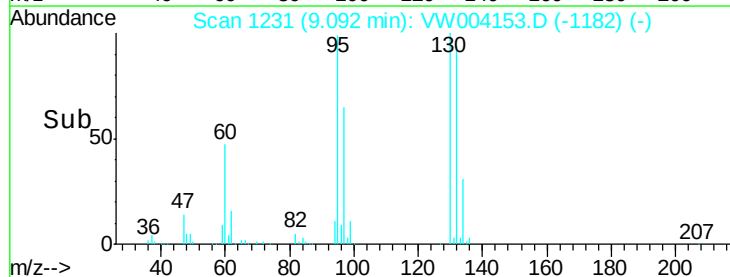
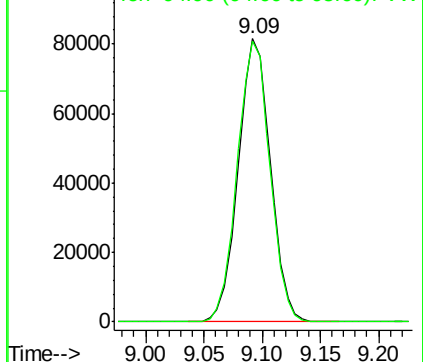
130 100

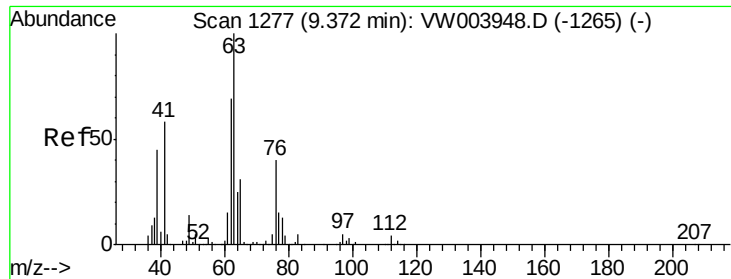
95 99.0 0.0 206.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

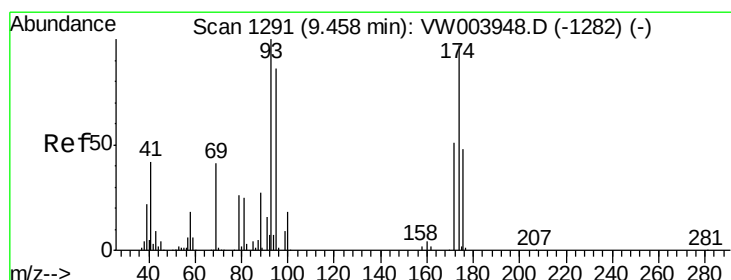
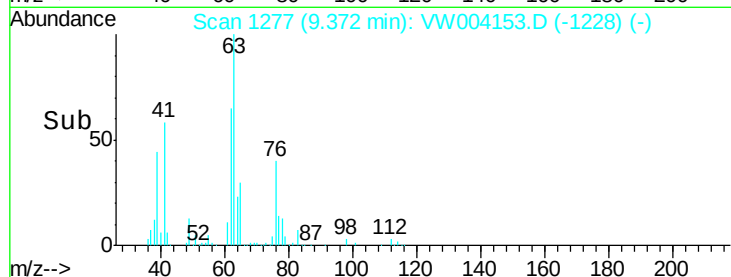
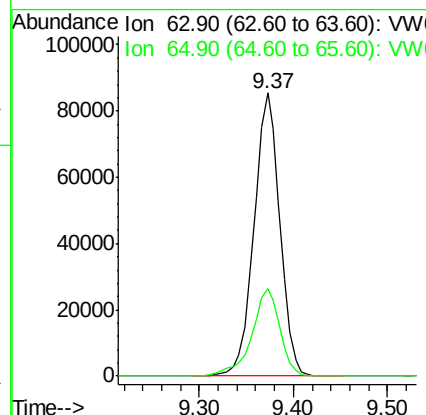
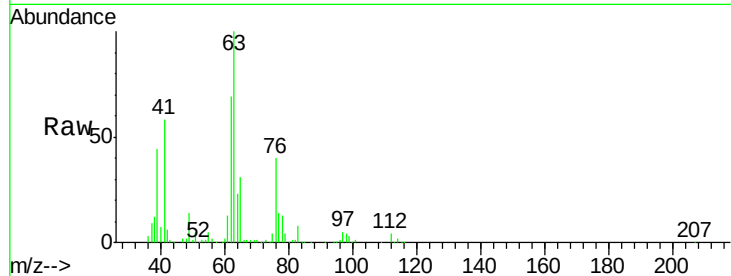




#45
 1,2-Dichloropropane
 Concen: 56.711 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

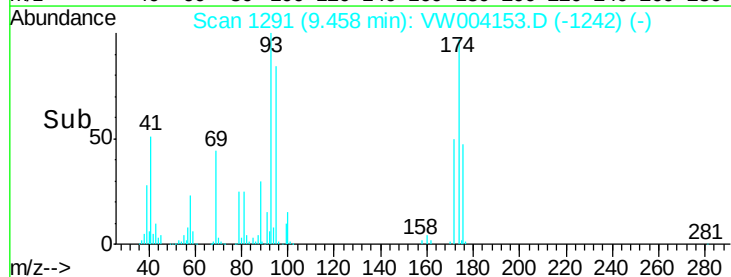
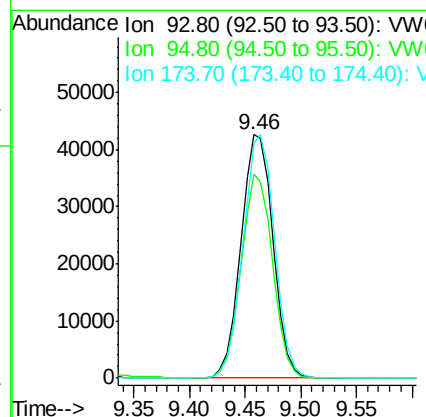
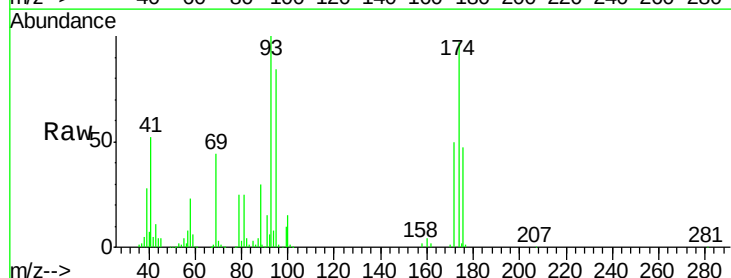
Instrument :
 MSVOA_W
 ClientSampleId :

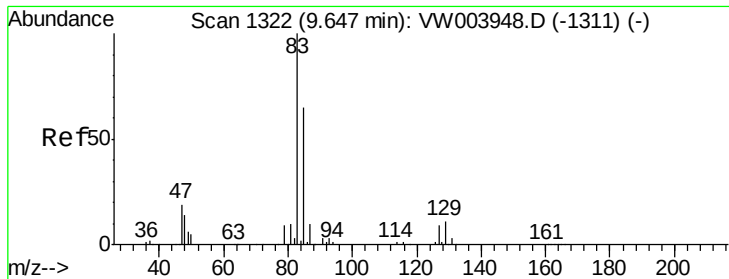
Tot Ion: 63 Resp: 164433
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.8 37.2



#46
 Dibromomethane
 Concen: 56.440 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

Tgt Ion: 93 Resp: 84917
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.9 100.3
 174 99.1 80.2 120.2





#47

Bromodichloromethane

Concen: 55.419 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

Instrument :

MSVOA_W

ClientSampled :

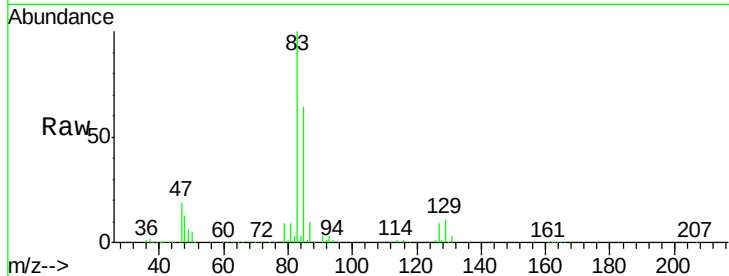
Tot Ion: 83 Resp: 205553

Ion Ratio Lower Upper

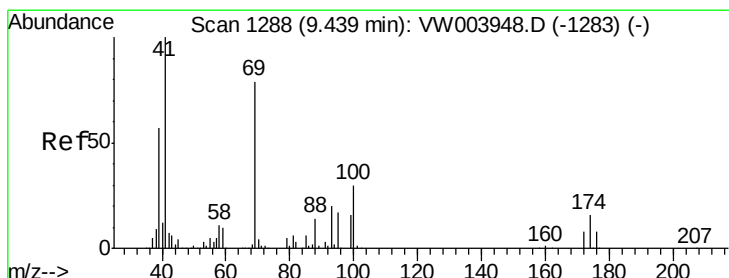
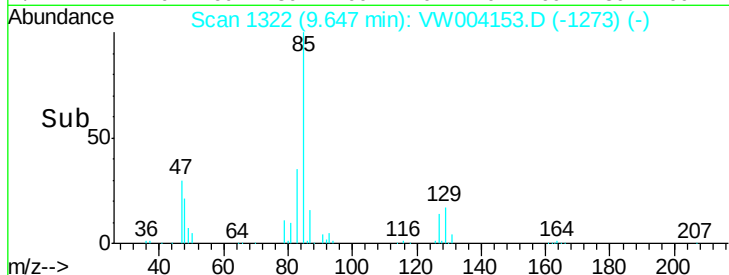
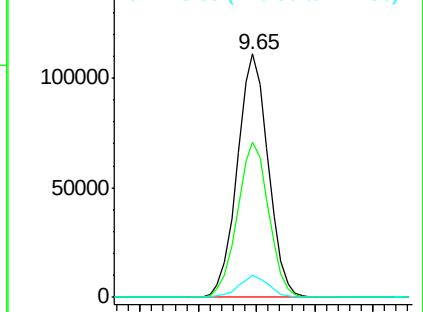
83 100

85 63.8 52.2 78.2

127 9.1 7.0 10.4



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



#48

Methyl methacrylate

Concen: 58.980 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

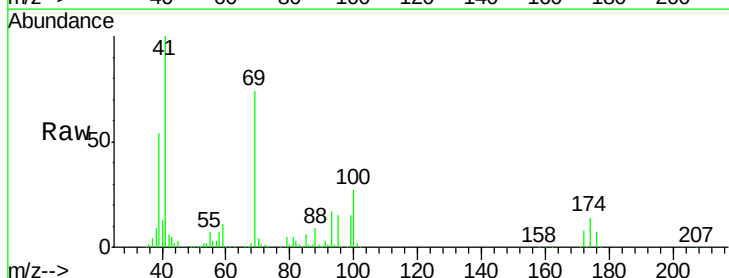
Tgt Ion: 41 Resp: 105367

Ion Ratio Lower Upper

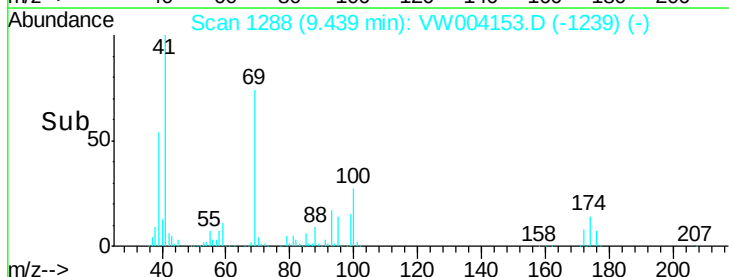
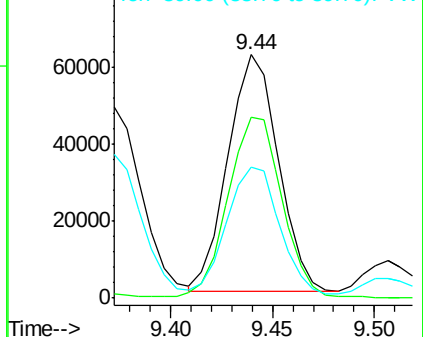
41 100

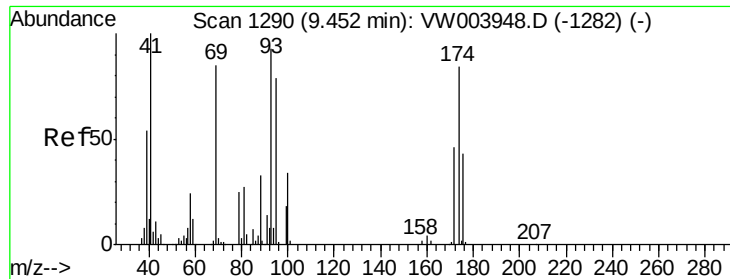
69 82.1 67.0 100.6

39 59.6 48.8 73.2



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

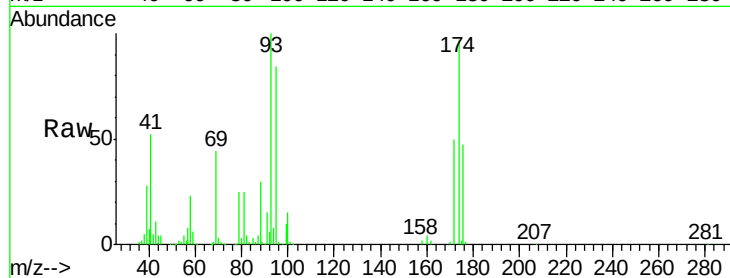




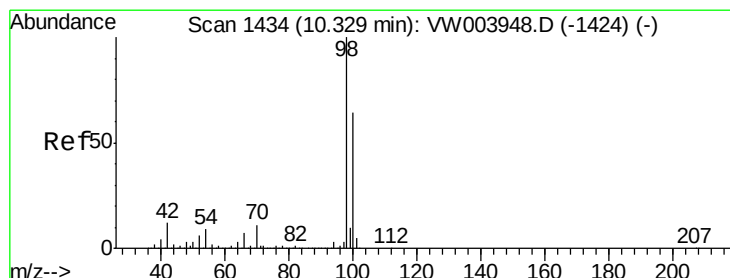
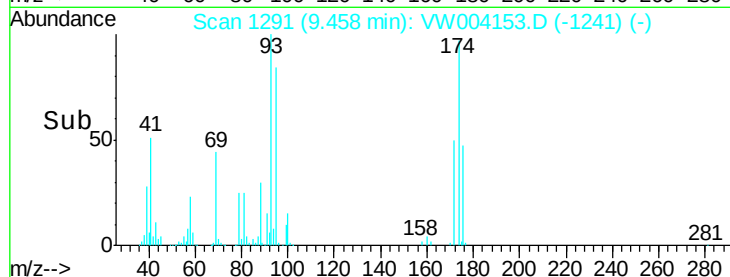
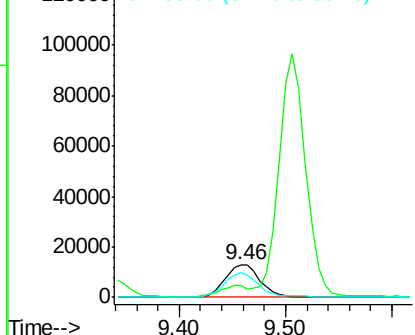
#49
1,4-Dioxane
Concen: 1289.119 ug/l
RT: 9.46 min Scan# 1291
Delta R.T. 0.01 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 29814
Ion Ratio Lower Upper
88 100
43 27.6 27.3 40.9
58 76.3 61.1 91.7

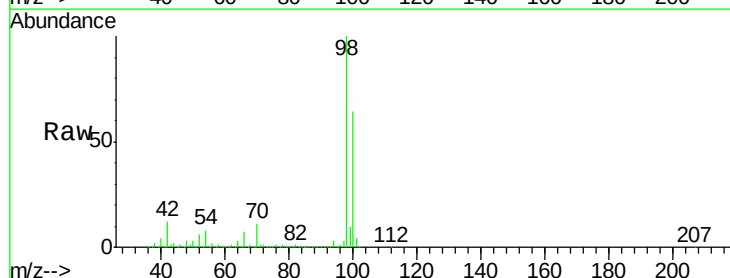


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

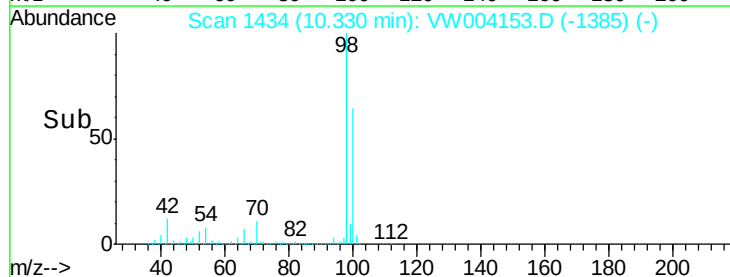
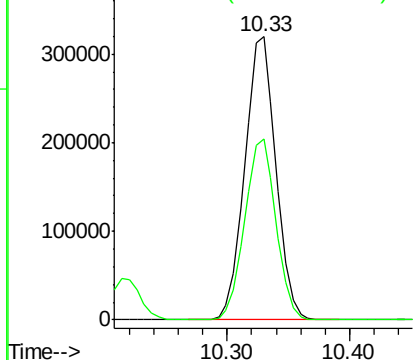


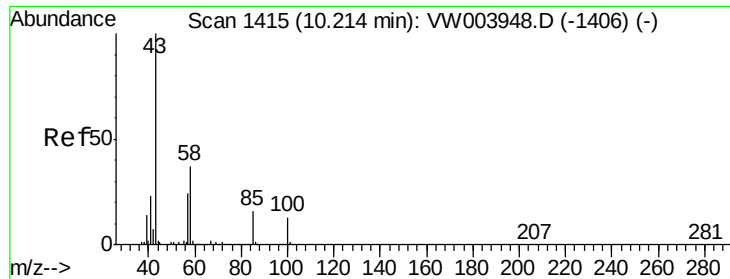
#50
Toluene-d8
Concen: 56.920 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

Tgt Ion: 98 Resp: 563990
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8



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

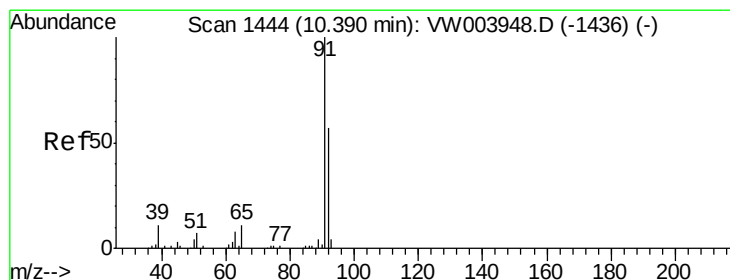
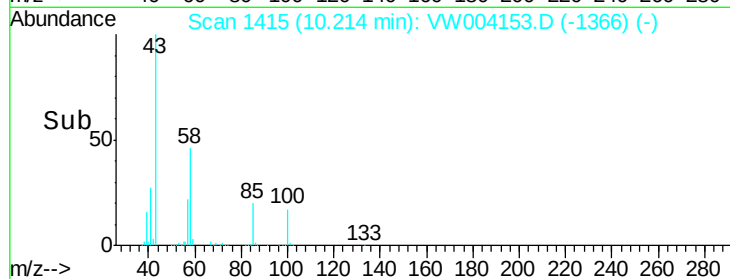
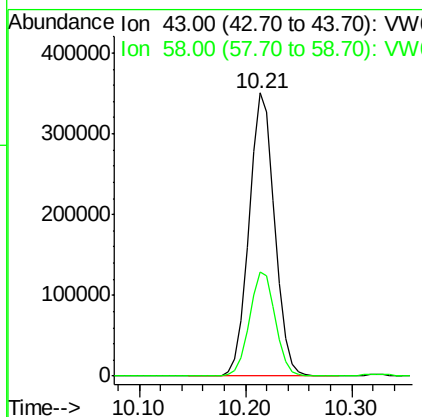
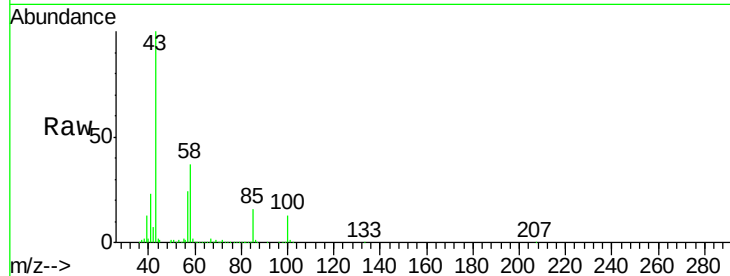




#51
 4-Methyl-2-Pentanone
 Concen: 300.178 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

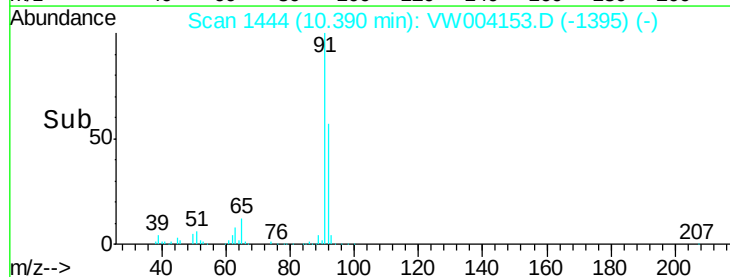
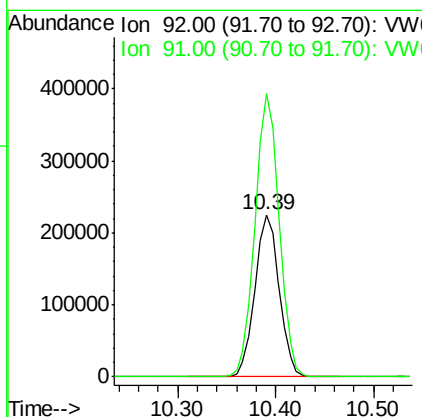
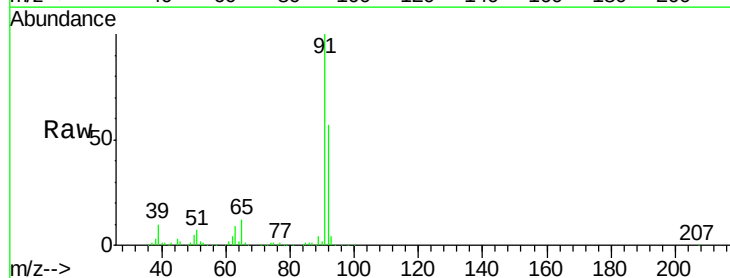
Instrument :
 MSVOA_W
 ClientSampled :

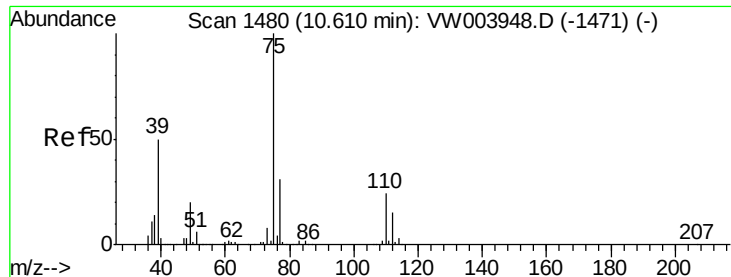
Tot Ion: 43 Resp: 590759
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.9 44.9



#52
 Toluene
 Concen: 54.955 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

Tgt Ion: 92 Resp: 386053
 Ion Ratio Lower Upper
 92 100
 91 174.3 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 53.413 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

Instrument :

MSVOA_W

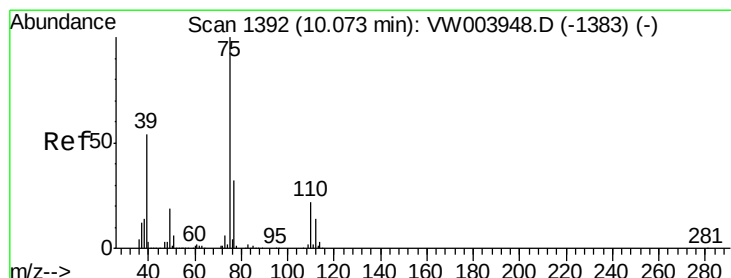
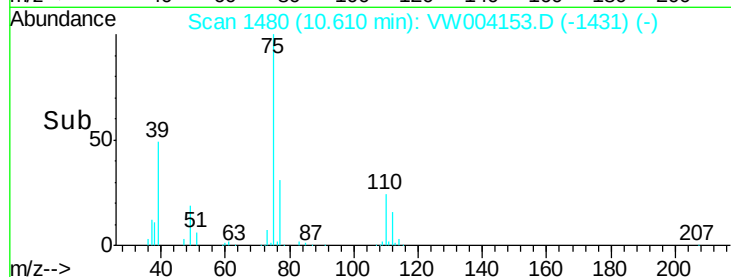
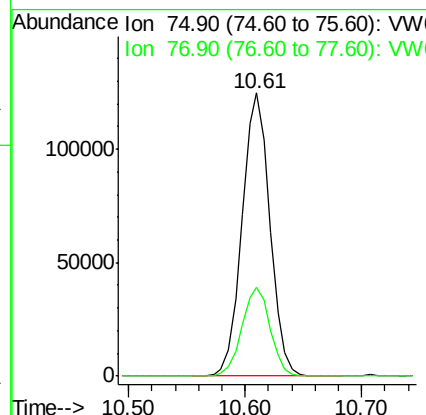
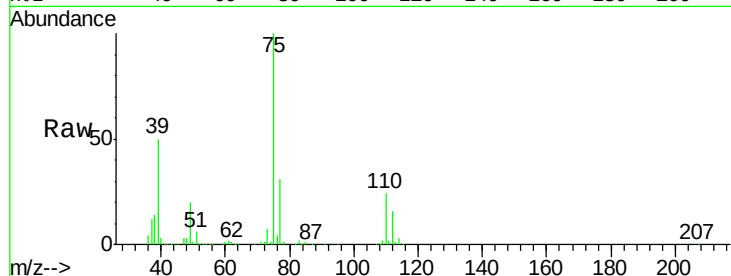
ClientSampled :

Tot Ion: 75 Resp: 207171

Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 53.339 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

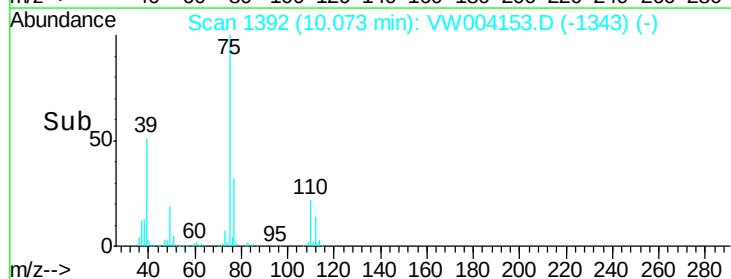
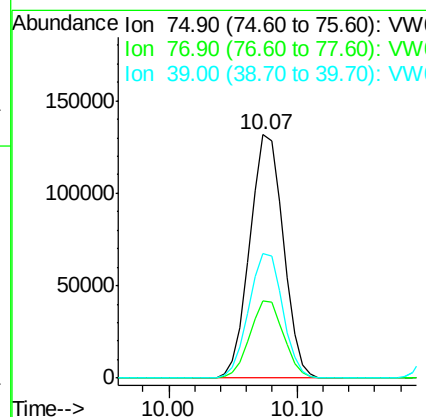
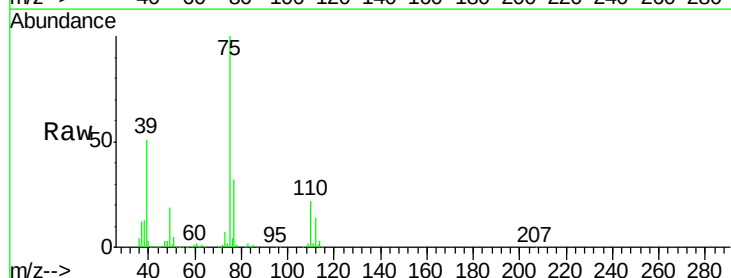
Tgt Ion: 75 Resp: 236665

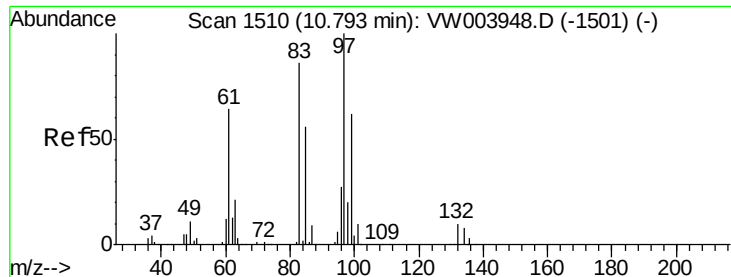
Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2

39 51.1 43.0 64.6





#55

1,1,2-Trichloroethane

Concen: 56.871 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 120342

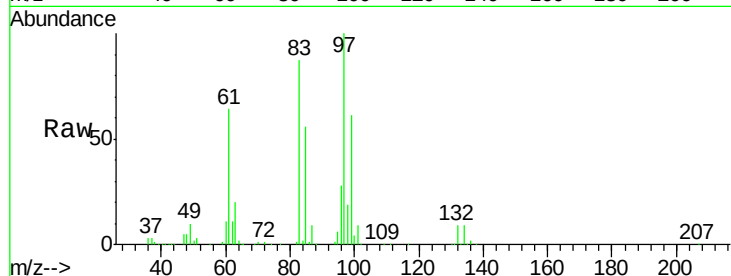
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.0	103.4
85	55.8	45.0	67.6
99	60.9	49.9	74.9

97 100

83 86.7 69.0 103.4

85 55.8 45.0 67.6

99 60.9 49.9 74.9



Abundance

Ion 96.90 (96.60 to 97.60): VW

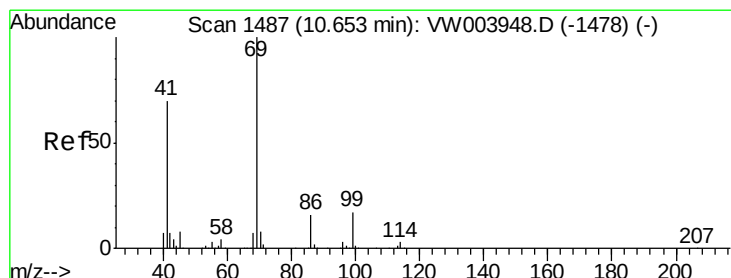
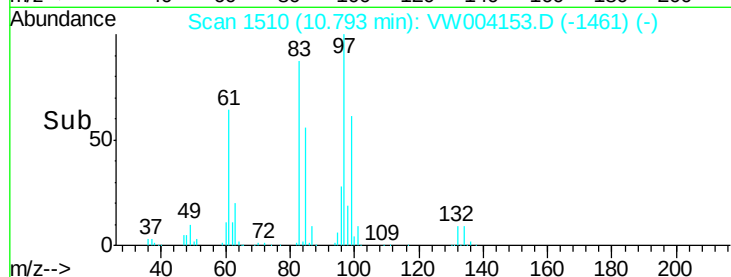
Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

10.79

Time-->



#56

Ethyl methacrylate

Concen: 54.129 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

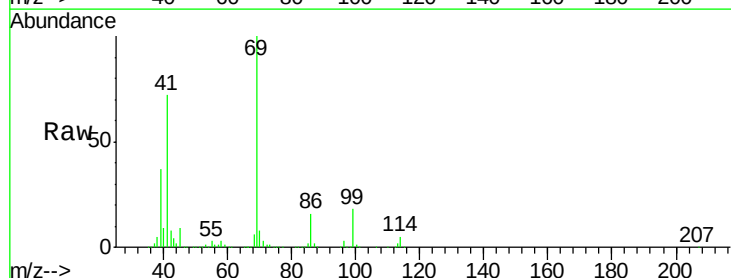
Tgt Ion: 69 Resp: 164615

Ion	Ratio	Lower	Upper
69	100		
41	71.6	56.5	84.7
39	33.4	30.2	45.4

69 100

41 71.6 56.5 84.7

39 33.4 30.2 45.4



Abundance

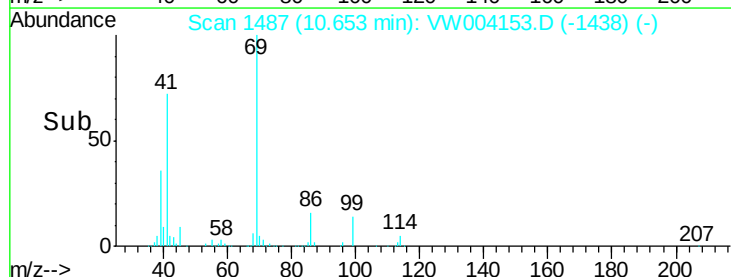
Ion 69.00 (68.70 to 69.70): VW

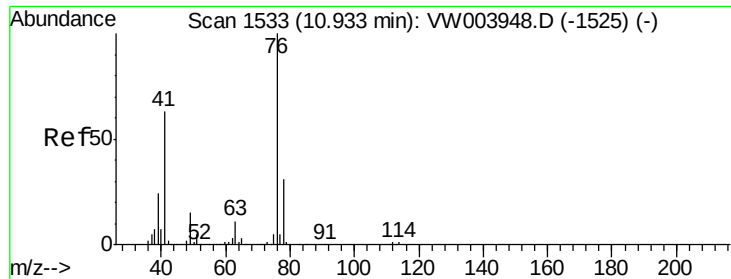
Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

10.65

Time-->

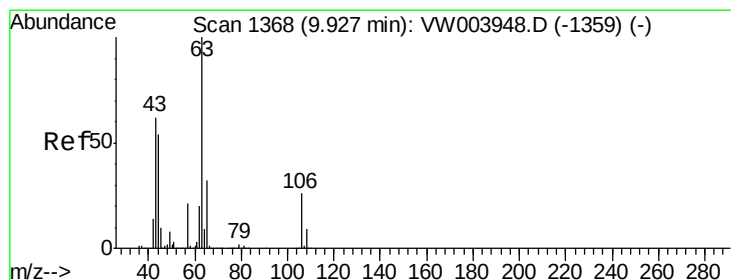
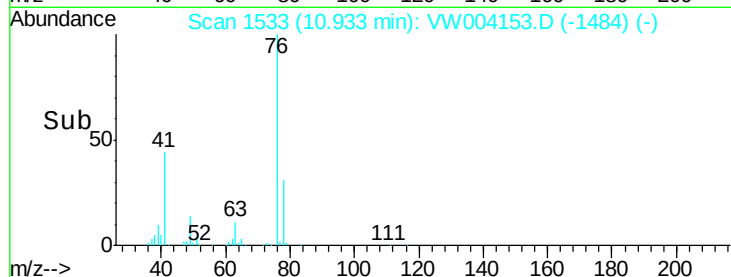
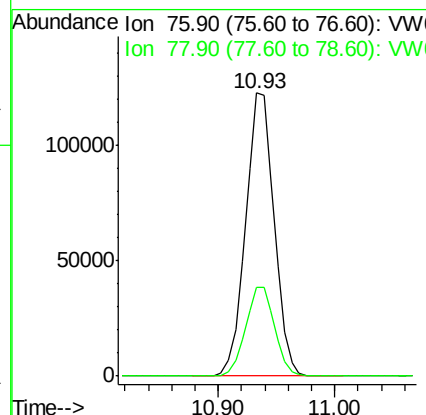
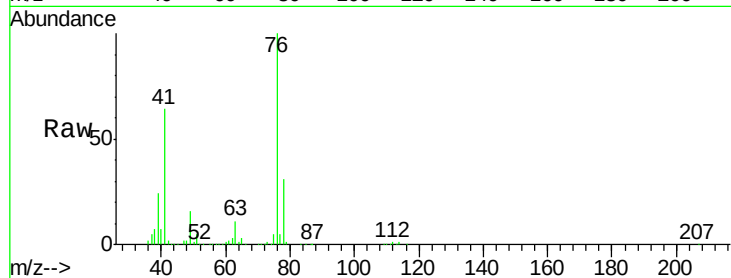




#57
 1,3-Dichloropropane
 Concen: 57.016 ug/l
 RT: 10.93 min Scan# 1533
 Delta R.T. 0.00 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

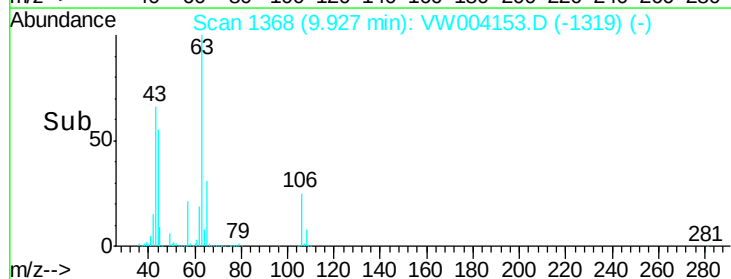
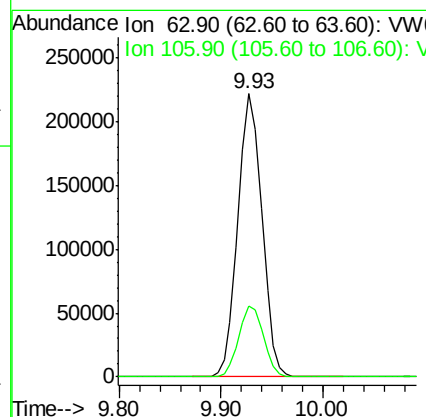
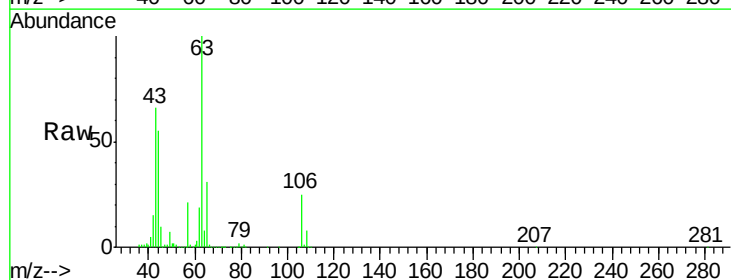
Instrument :
 MSVOA_W
 ClientSampled :

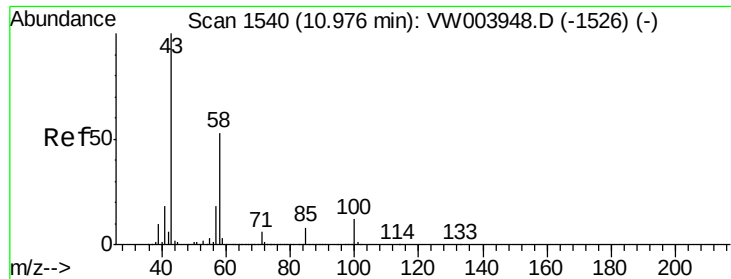
Tot Ion: 76 Resp: 209614
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 288.761 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

Tgt Ion: 63 Resp: 362488
 Ion Ratio Lower Upper
 63 100
 106 25.7 21.2 31.8

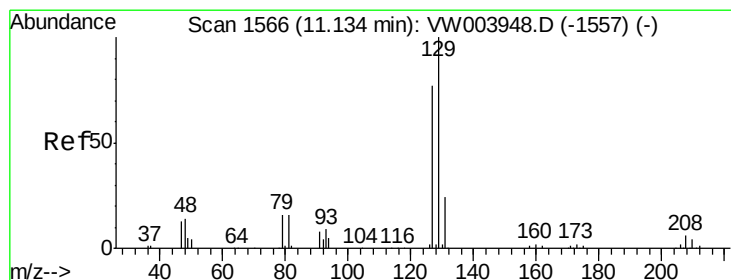
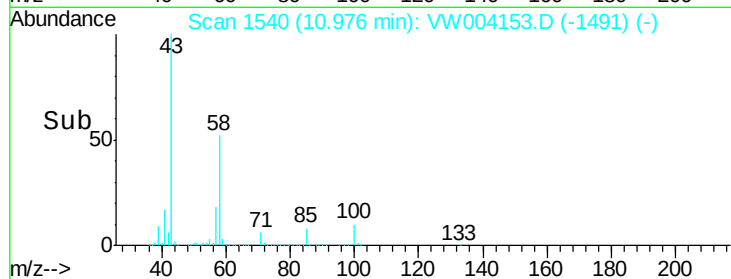
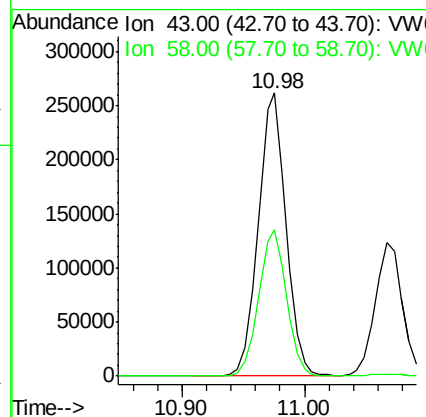
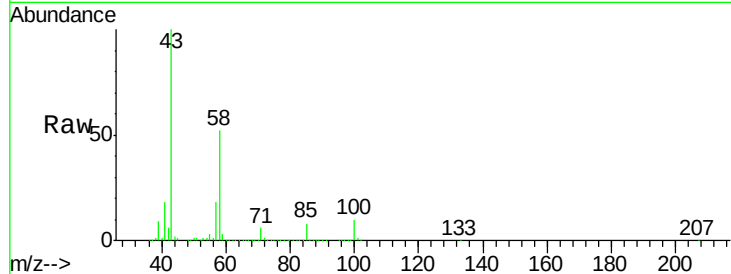




#59
 2-Hexanone
 Concen: 297.919 ug/l
 RT: 10.98 min Scan# 1540
 Delta R.T. 0.00 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

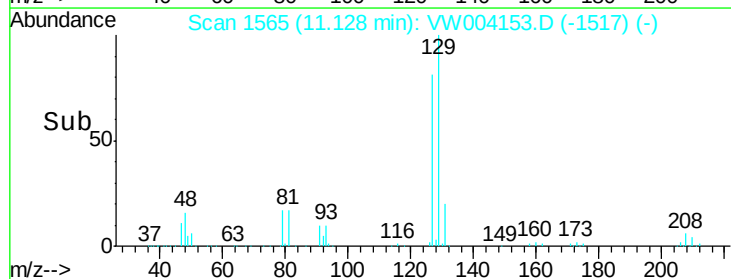
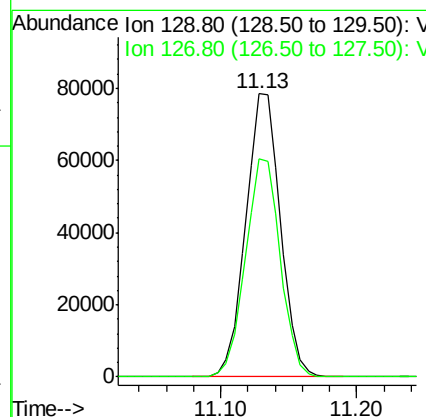
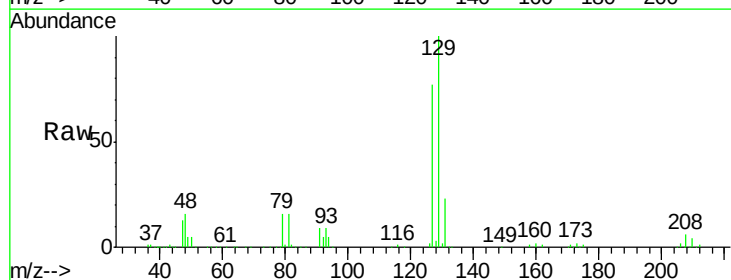
Instrument :
 MSVOA_W
 ClientSampled :

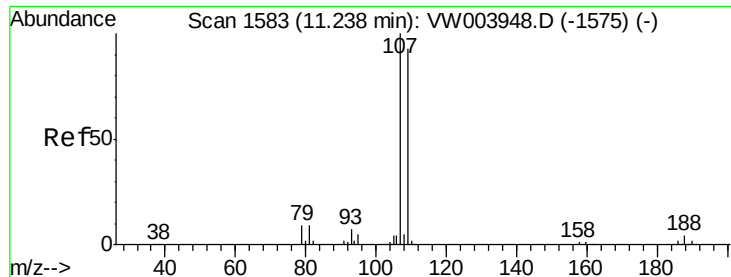
Tot Ion: 43 Resp: 413241
 Ion Ratio Lower Upper
 43 100
 58 52.0 26.0 78.0



#60
 Dibromochloromethane
 Concen: 56.894 ug/l
 RT: 11.13 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

Tgt Ion: 129 Resp: 140201
 Ion Ratio Lower Upper
 129 100
 127 77.1 39.1 117.3





#61

1,2-Dibromoethane

Concen: 57.726 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

Instrument :

MSVOA_W

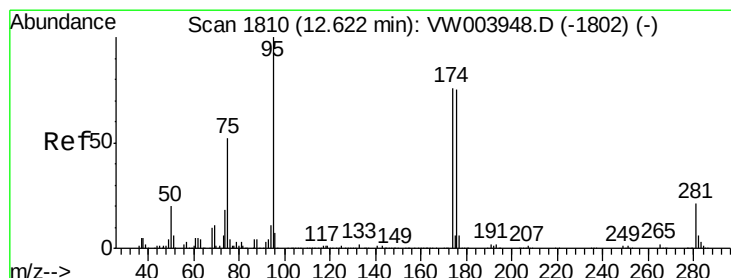
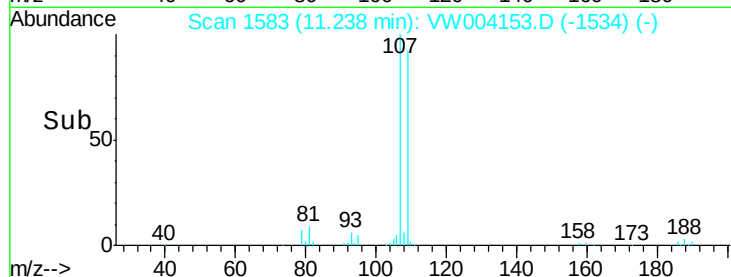
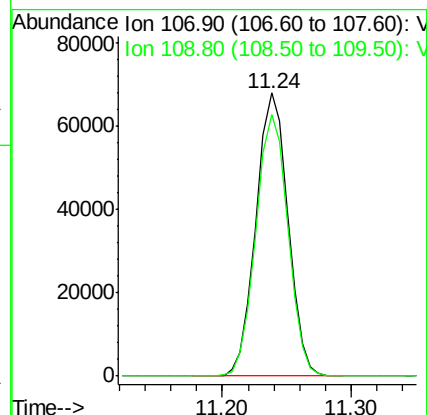
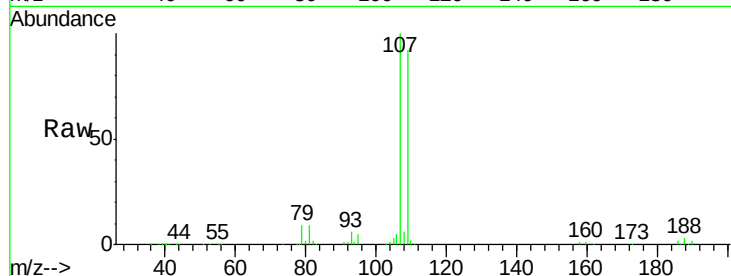
ClientSampleId :

Tot Ion:107 Resp: 116229

Ion Ratio Lower Upper

107 100

109 92.9 74.3 111.5



#62

4-Bromofluorobenzene

Concen: 57.718 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

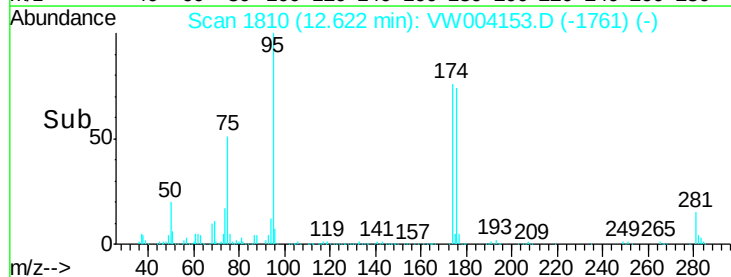
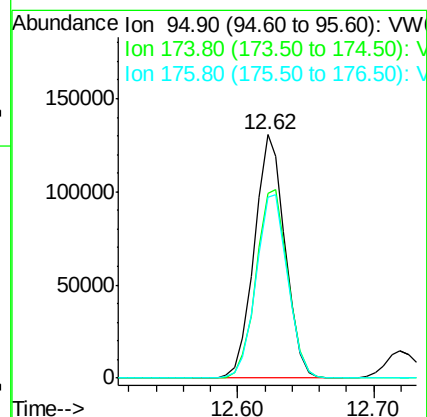
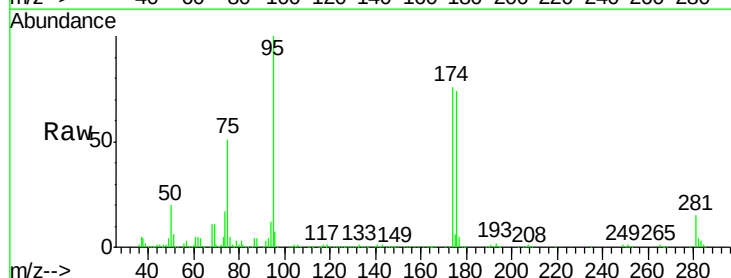
Tgt Ion: 95 Resp: 206228

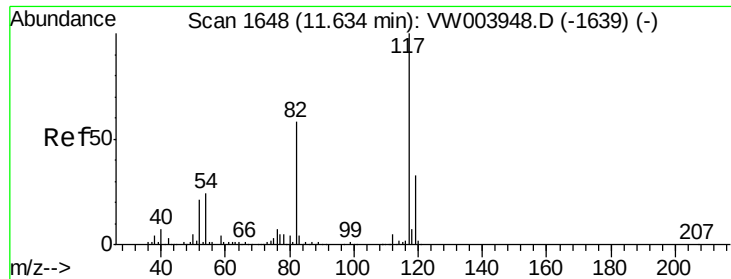
Ion Ratio Lower Upper

95 100

174 79.9 0.0 160.2

176 77.5 0.0 155.8

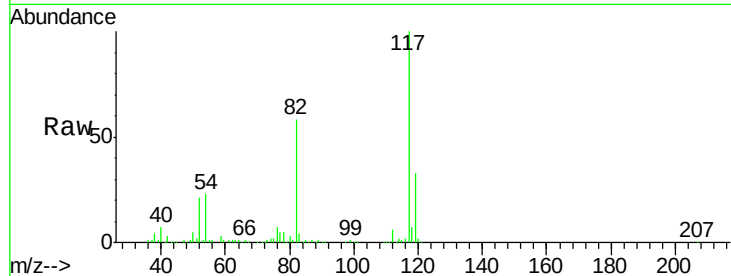




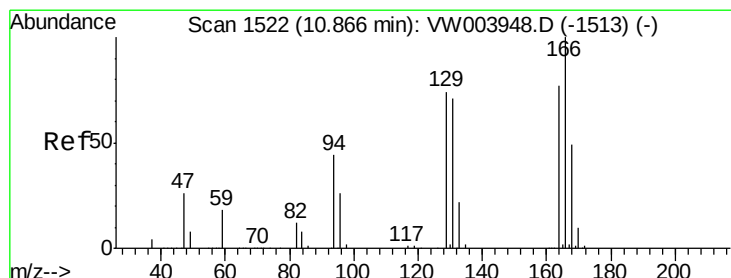
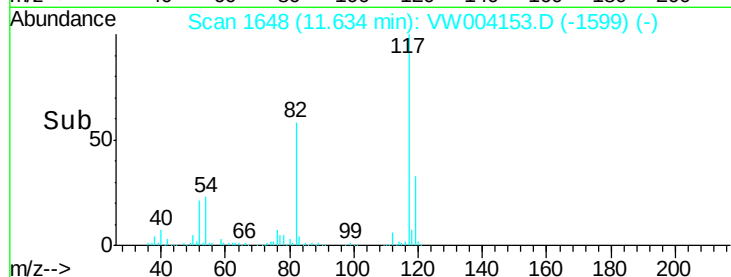
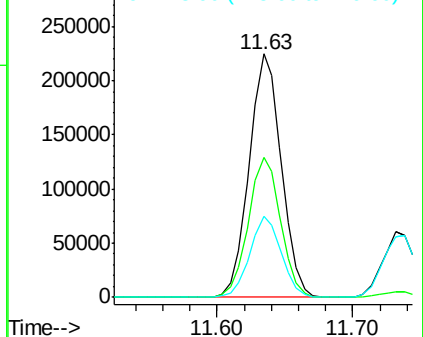
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 372103
Ion Ratio Lower Upper
117 100
82 57.6 46.5 69.7
119 33.3 26.2 39.2

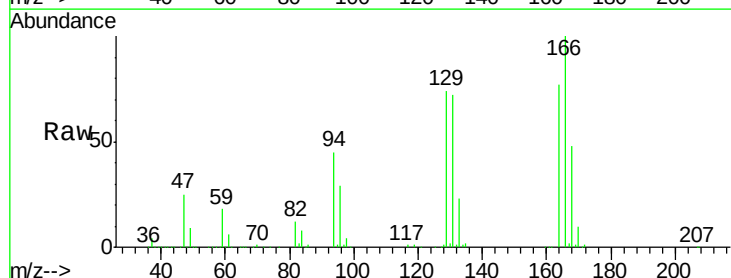


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

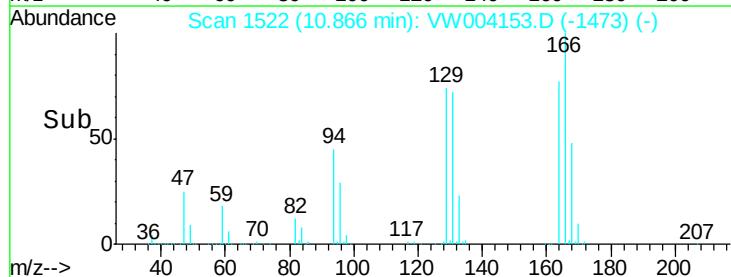
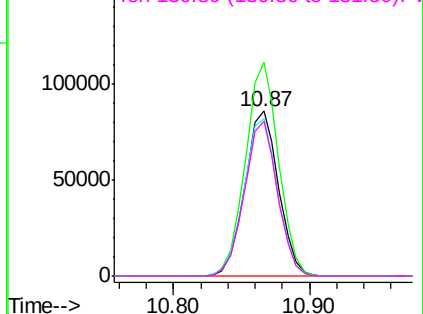


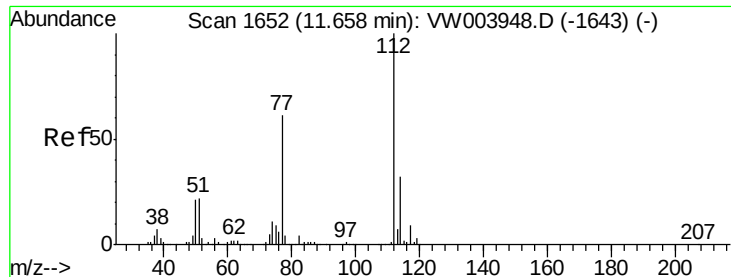
#64
Tetrachloroethene
Concen: 58.169 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

Tgt Ion:164 Resp: 148516
Ion Ratio Lower Upper
164 100
166 129.6 103.5 155.3
129 95.8 76.8 115.2
131 93.9 73.2 109.8



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

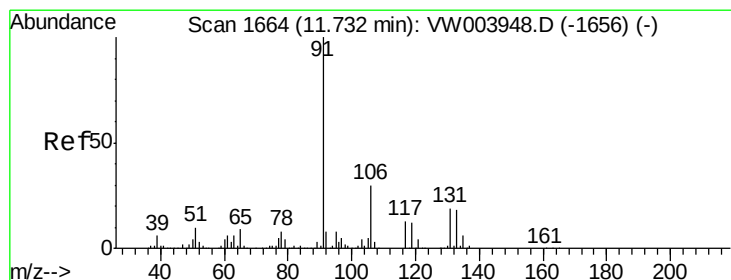
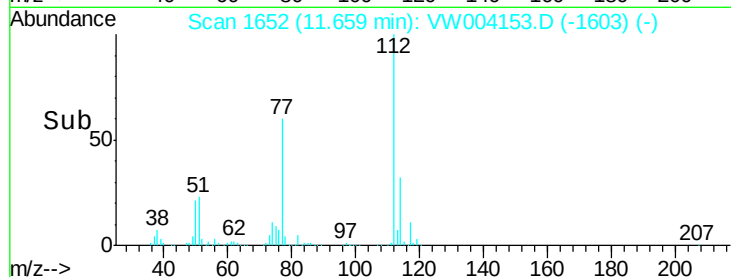
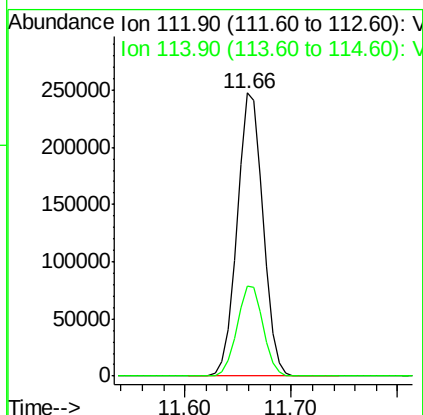
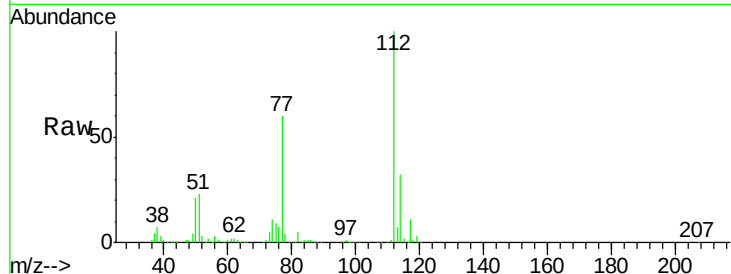




#65
Chlorobenzene
Concen: 53.408 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

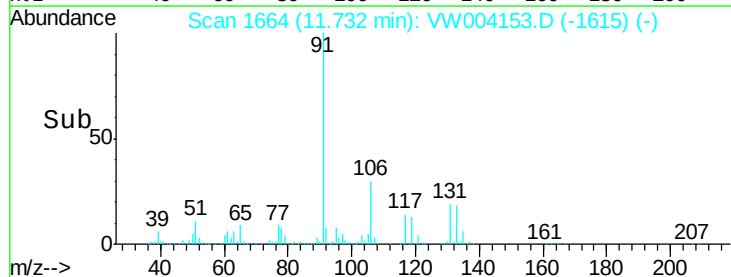
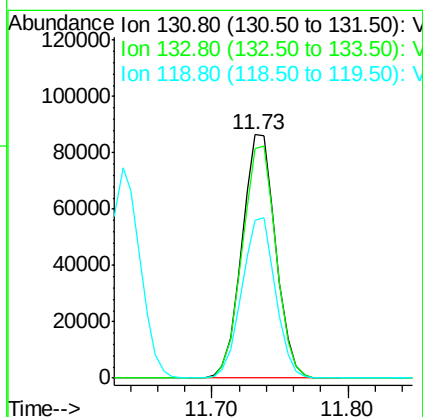
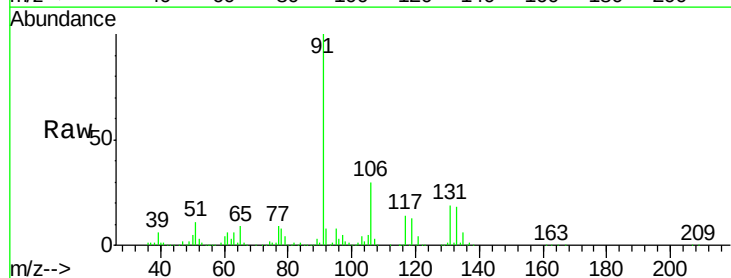
Instrument :
MSVOA_W
ClientSampled :

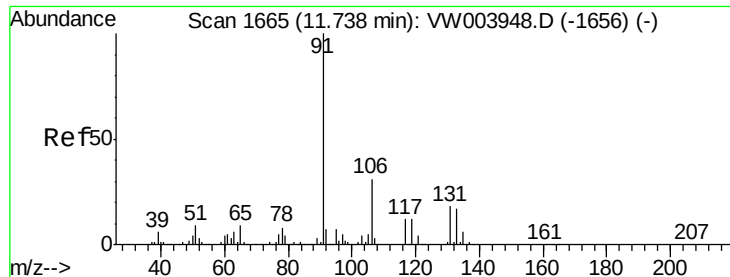
Tot Ion:112 Resp: 422581
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 54.413 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

Tgt Ion:131 Resp: 149614
Ion Ratio Lower Upper
131 100
133 95.8 47.9 143.8
119 65.7 32.5 97.5

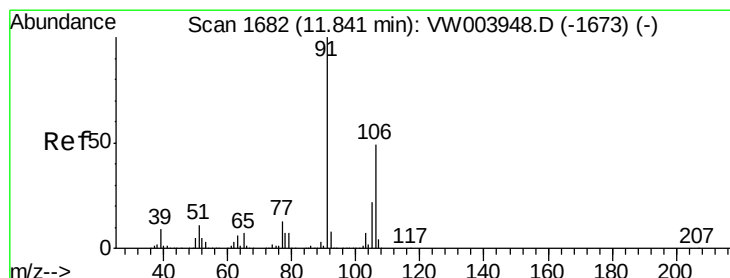
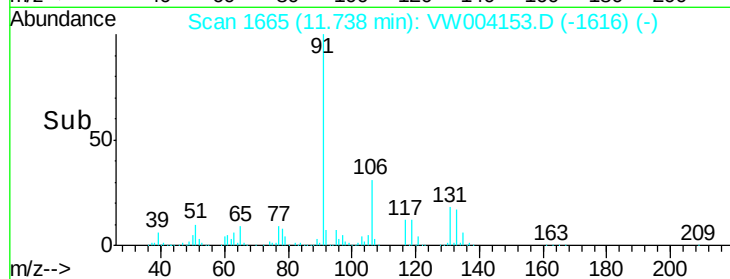
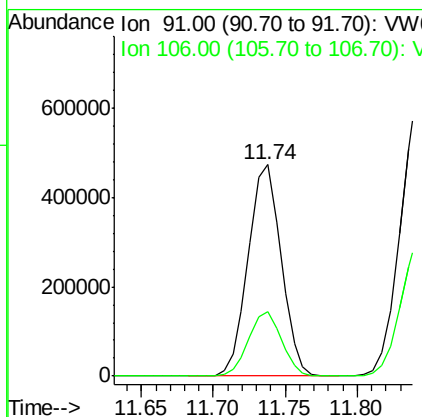
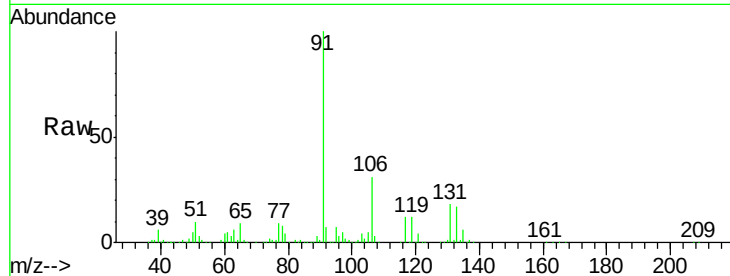




#67
Ethyl Benzene
Concen: 54.090 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

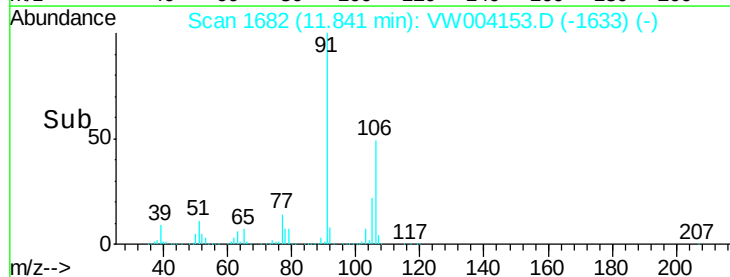
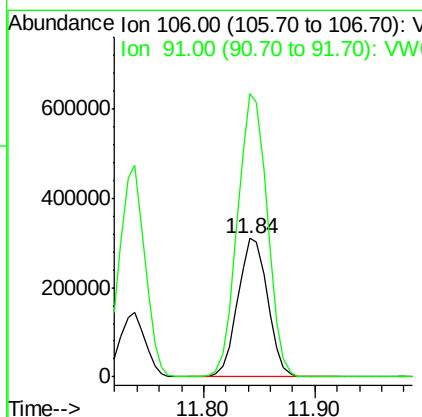
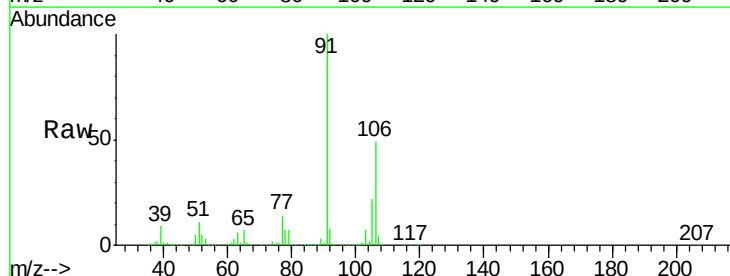
Instrument :
MSVOA_W
ClientSampled :

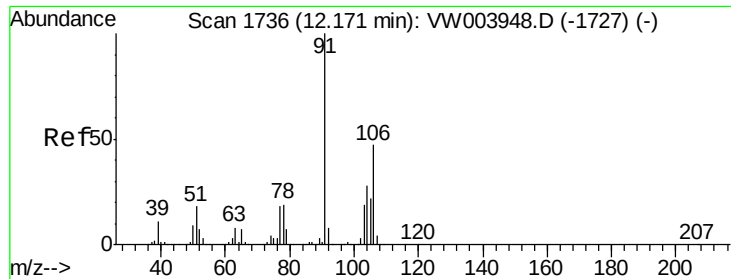
Tot Ion: 91 Resp: 751817
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.4



#68
m/p-Xylenes
Concen: 108.131 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

Tgt Ion: 106 Resp: 574438
Ion Ratio Lower Upper
106 100
91 204.5 164.2 246.2

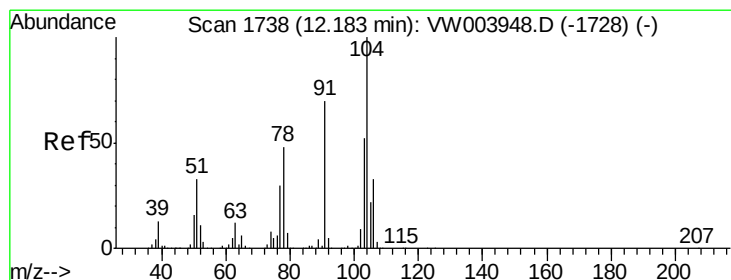
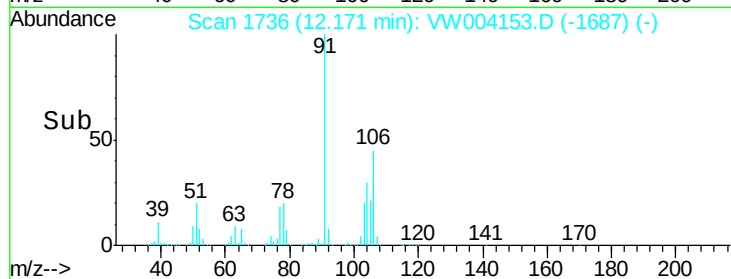
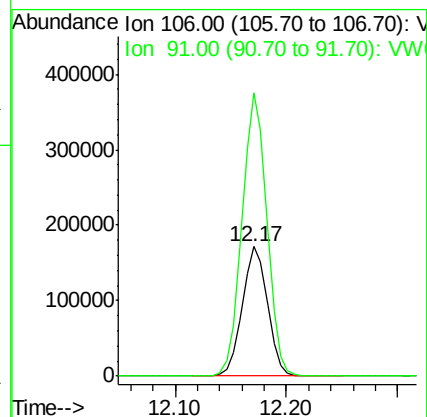
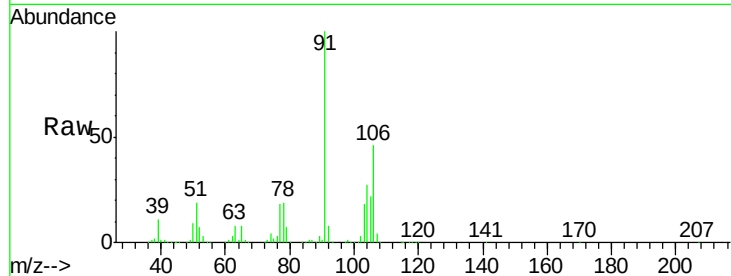




#69
o-Xylene
Concen: 54.312 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

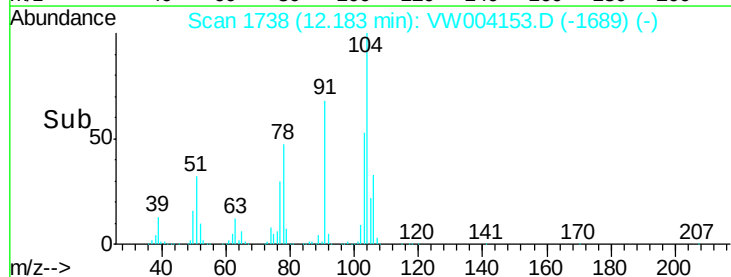
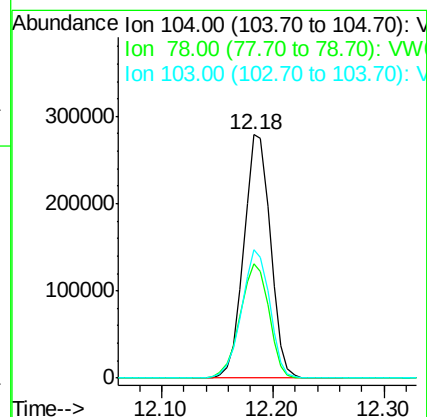
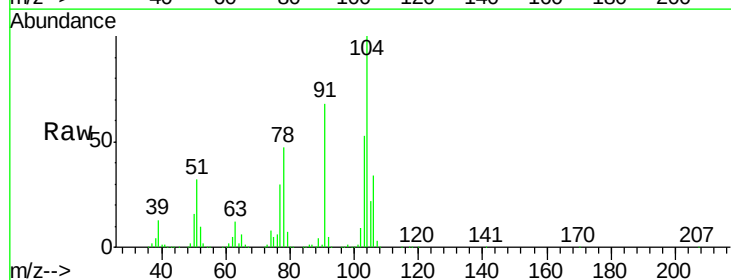
Instrument :
MSVOA_W
ClientSampled :

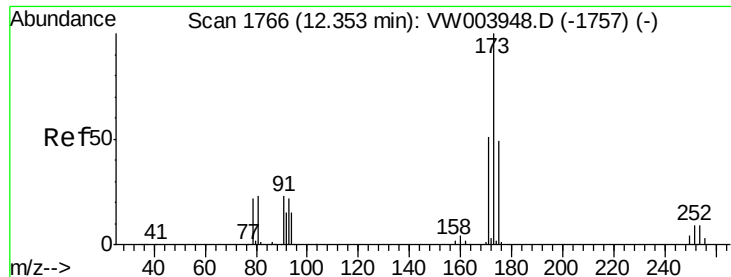
Tot Ion:106 Resp: 267643
Ion Ratio Lower Upper
106 100
91 216.0 107.5 322.6



#70
Styrene
Concen: 56.293 ug/l
RT: 12.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VW004153.D
Acq: 23 Jul 2018 23:25

Tgt Ion:104 Resp: 463344
Ion Ratio Lower Upper
104 100
78 50.6 41.0 61.4
103 55.6 44.6 67.0





#71

Bromoform

Concen: 55.595 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

Instrument :

MSVOA_W

ClientSampleId :

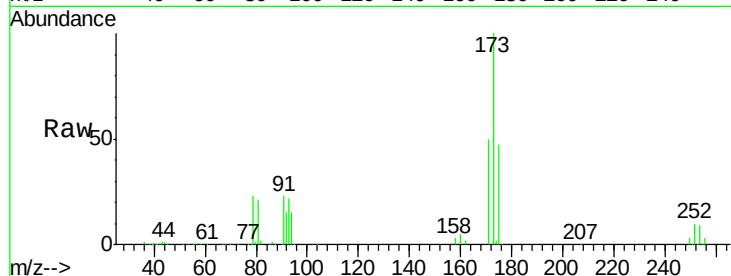
Tot Ion:173 Resp: 86306

Ion Ratio Lower Upper

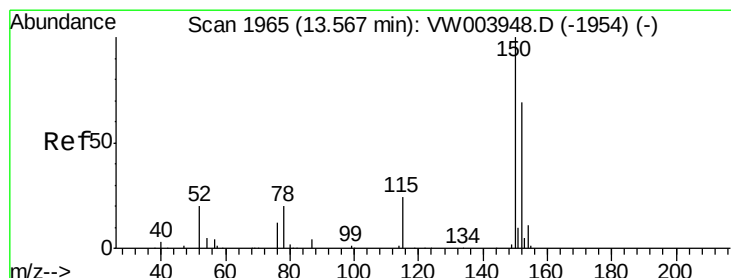
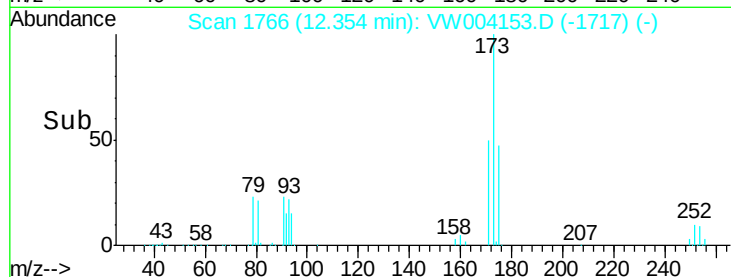
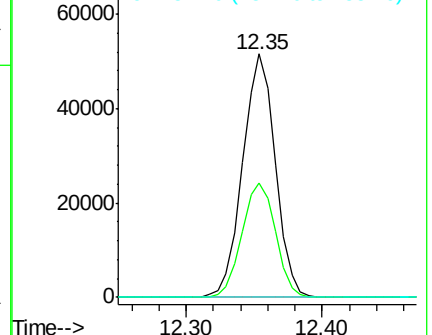
173 100

175 48.3 24.4 73.2

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

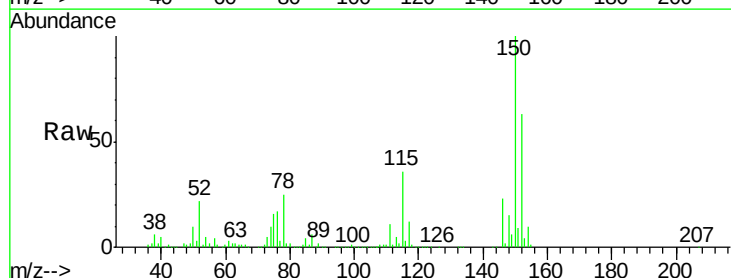
Tgt Ion:152 Resp: 195364

Ion Ratio Lower Upper

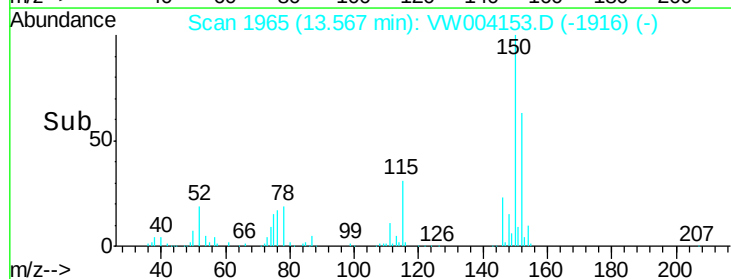
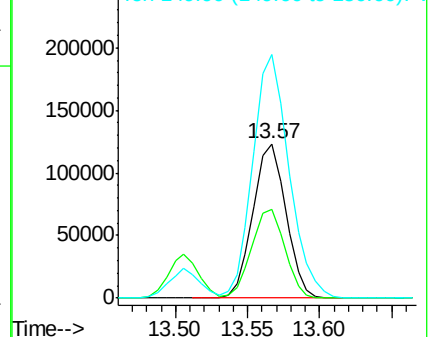
152 100

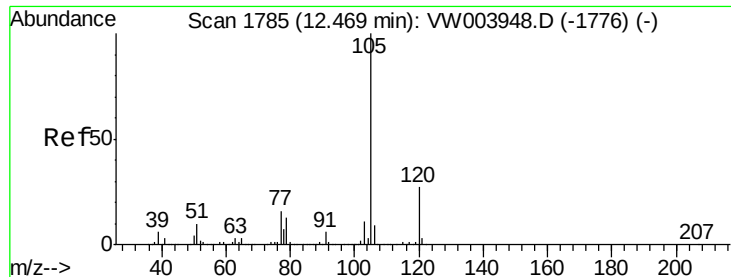
115 58.1 29.2 87.6

150 173.4 0.0 345.2



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





#73

Isopropylbenzene

Concen: 52.868 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

Instrument :

MSVOA_W

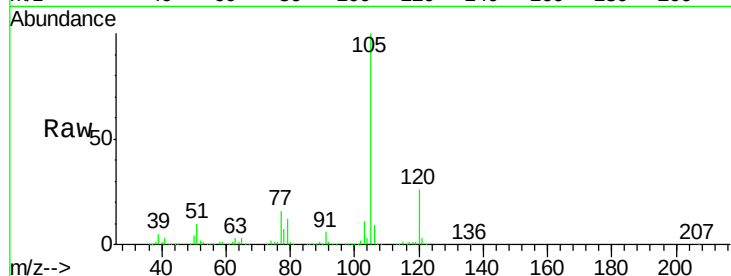
ClientSampled :

Tot Ion:105 Resp: 729834

Ion Ratio Lower Upper

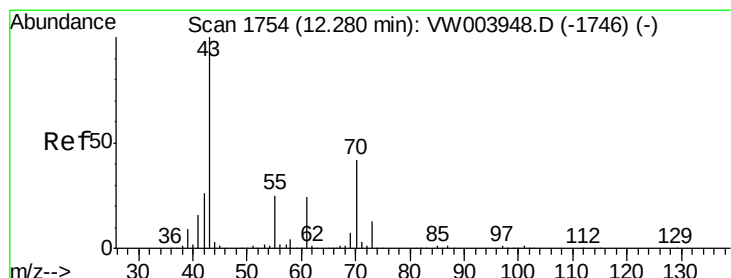
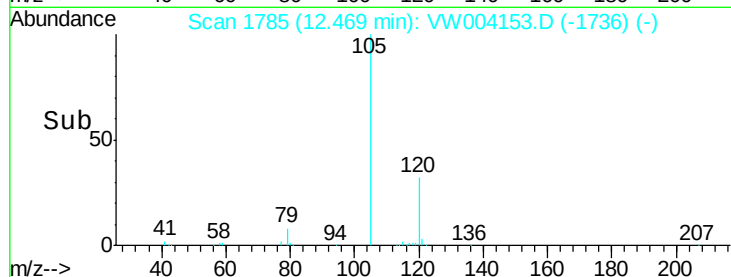
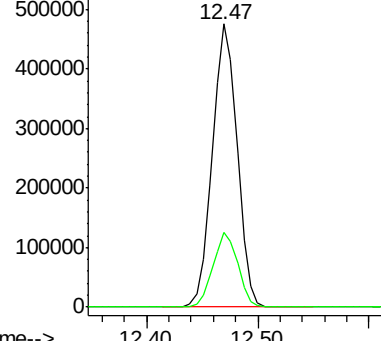
105 100

120 26.3 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.585 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

Tgt Ion: 43 Resp: 203536

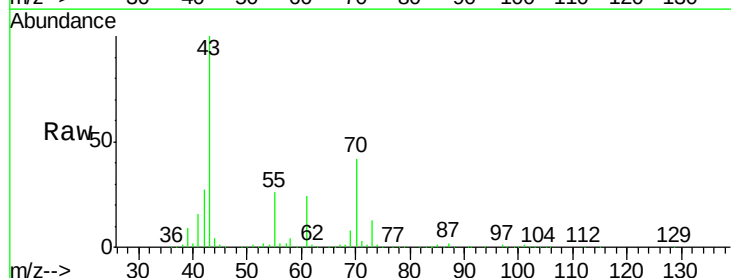
Ion Ratio Lower Upper

43 100

70 40.4 31.6 47.4

55 26.0 20.0 30.0

61 23.2 18.5 27.7

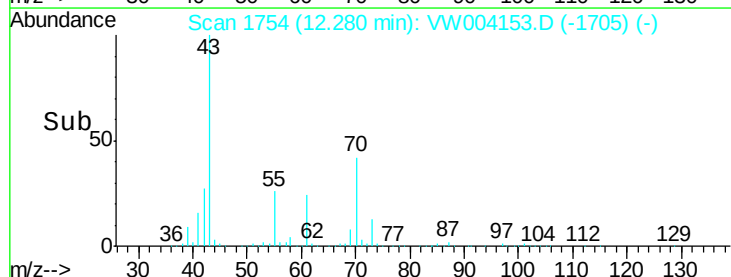
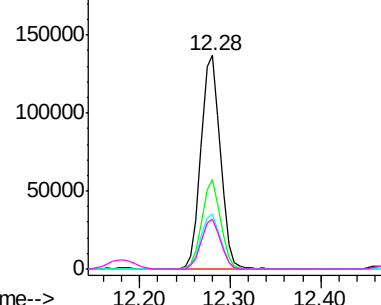


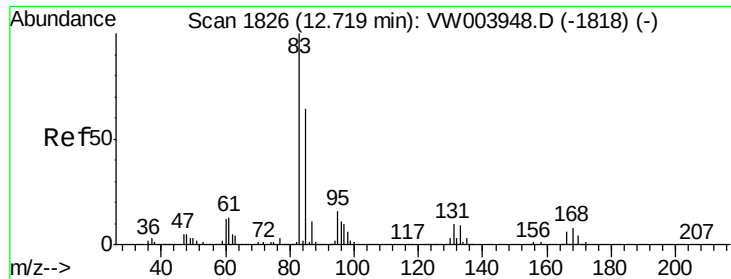
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 55.611 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

Instrument :

MSVOA_W

ClientSampled :

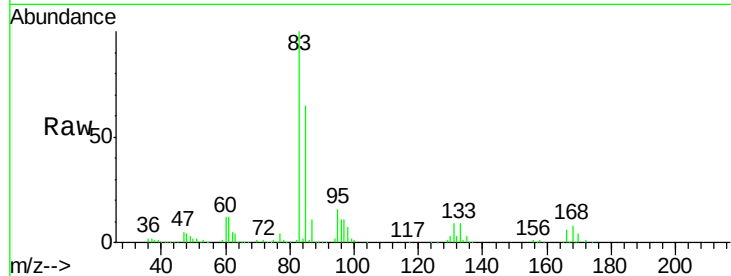
Tot Ion: 83 Resp: 148466

Ion Ratio Lower Upper

83 100

131 10.0 5.3 15.8

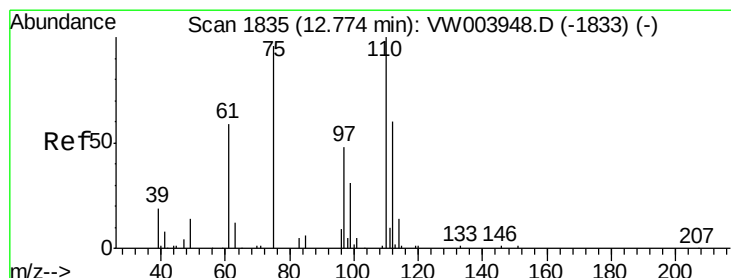
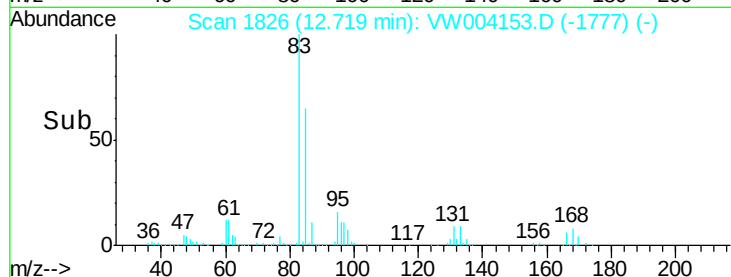
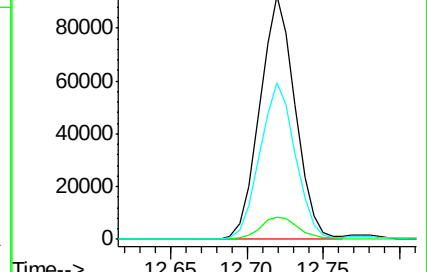
85 64.5 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 99.740 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004153.D

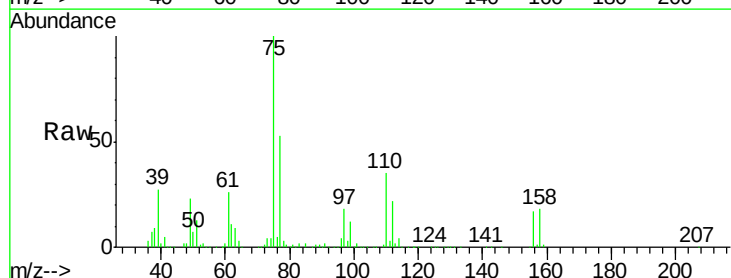
Acq: 23 Jul 2018 23:25

Tgt Ion: 75 Resp: 193448

Ion Ratio Lower Upper

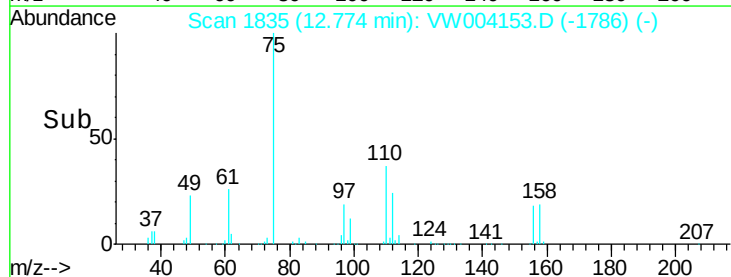
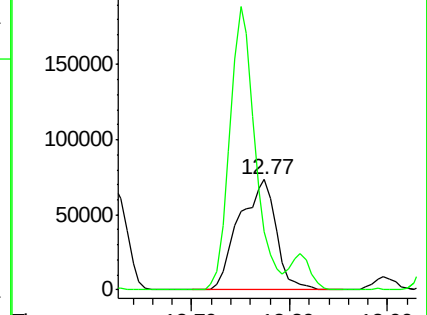
75 100

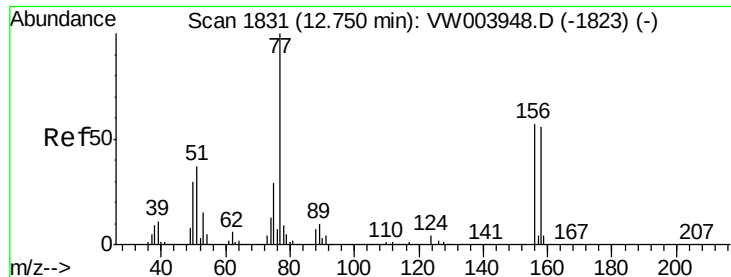
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.918 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

Instrument :

MSVOA_W

ClientSampleId :

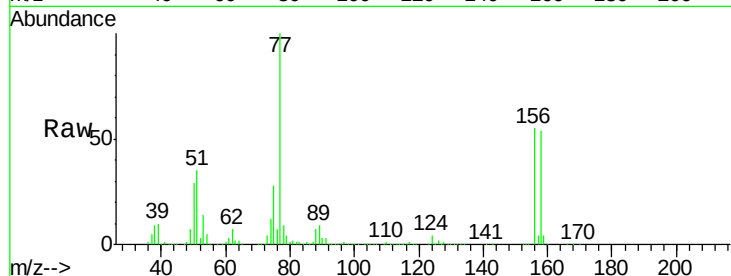
Tot Ion:156 Resp: 174802

Ion Ratio Lower Upper

156 100

77 195.4 96.2 288.6

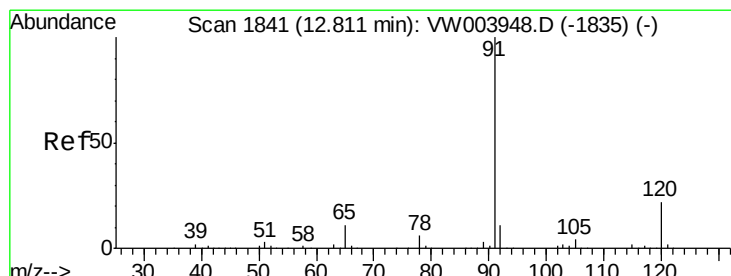
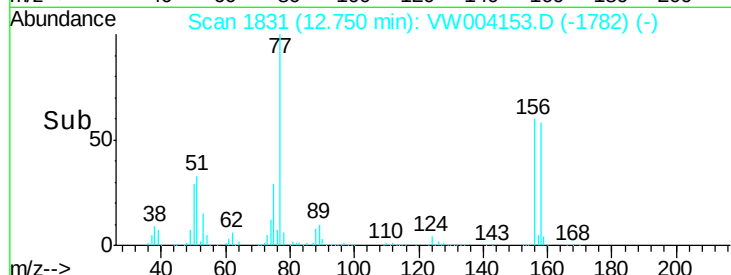
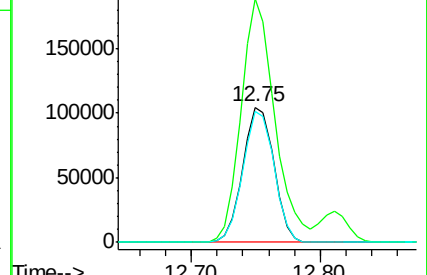
158 97.3 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.563 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004153.D

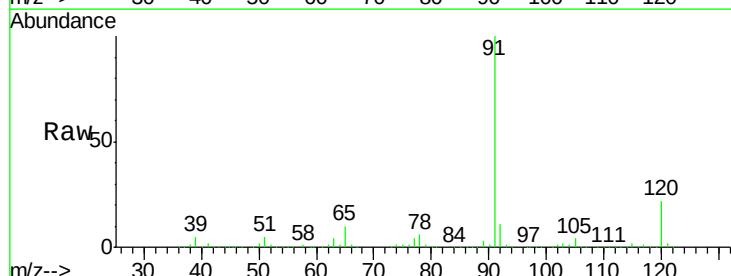
Acq: 23 Jul 2018 23:25

Tgt Ion: 91 Resp: 907153

Ion Ratio Lower Upper

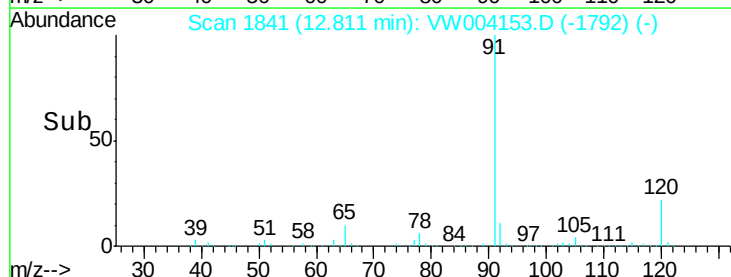
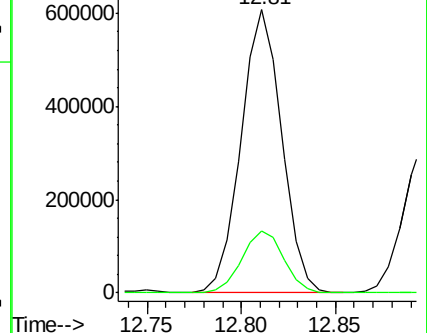
91 100

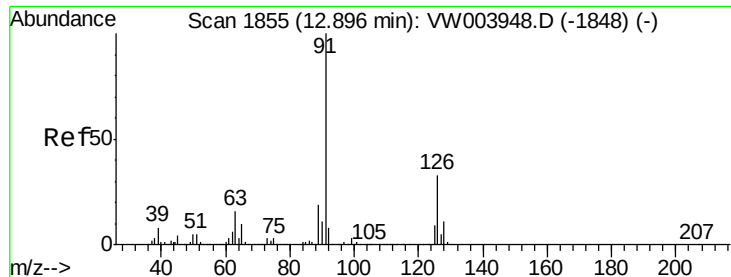
120 22.5 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

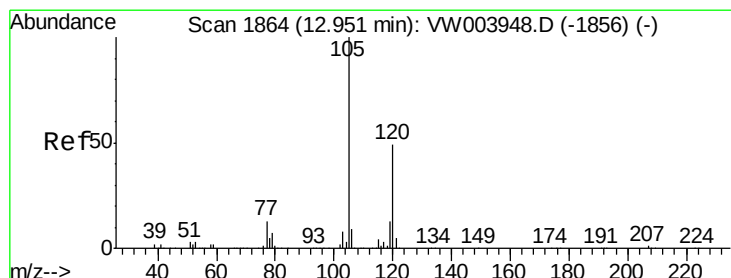
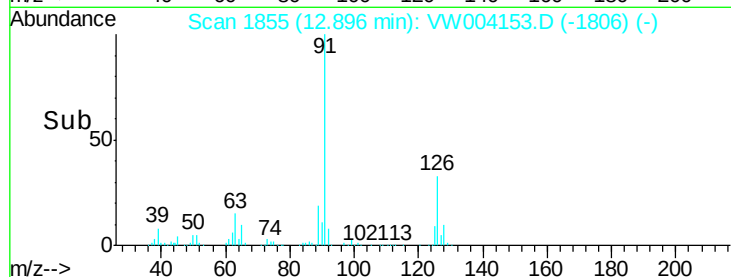
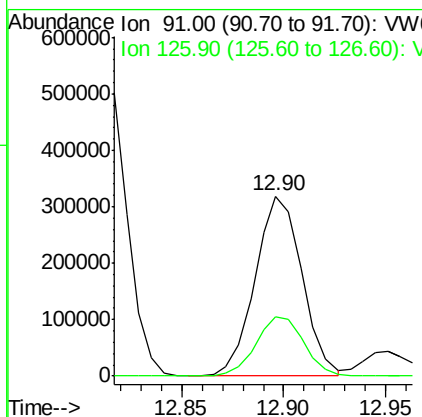
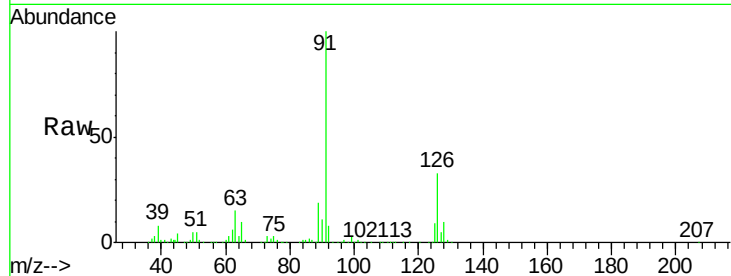




#79
 2-Chlorotoluene
 Concen: 53.388 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

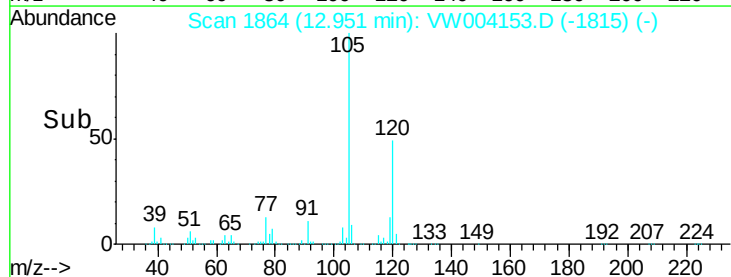
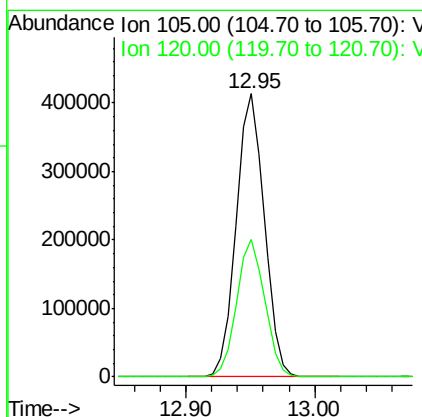
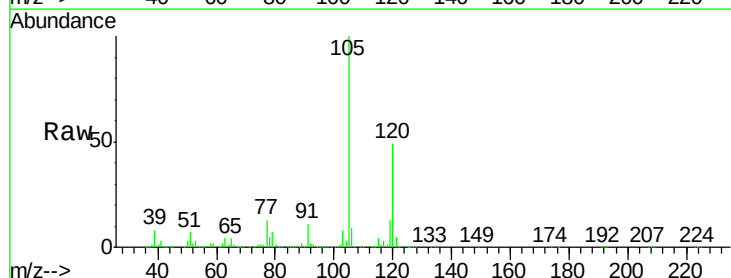
Instrument :
 MSVOA_W
 ClientSampled :

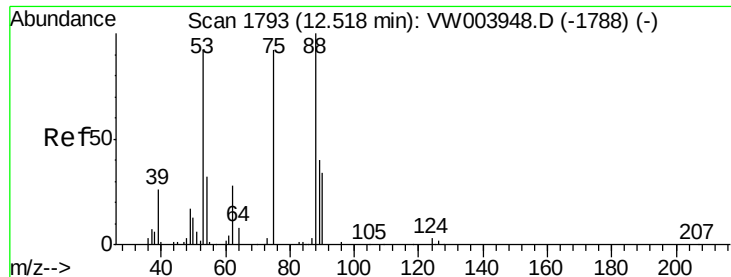
Tot Ion: 91 Resp: 509962
 Ion Ratio Lower Upper
 91 100
 126 33.7 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 53.825 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

Tgt Ion: 105 Resp: 625312
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 50.592 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

Instrument :

MSVOA_W

ClientSampleId :

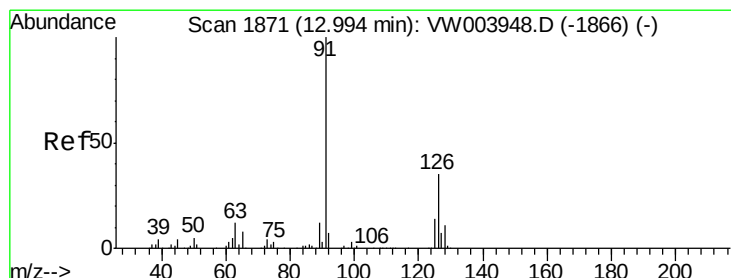
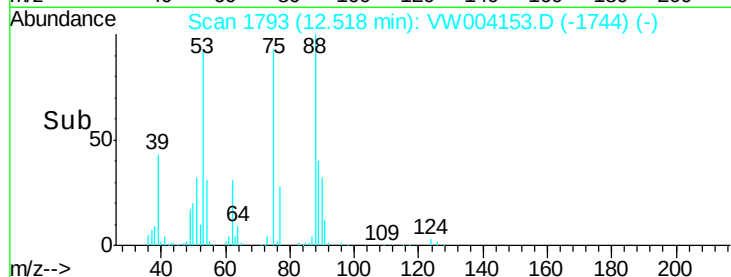
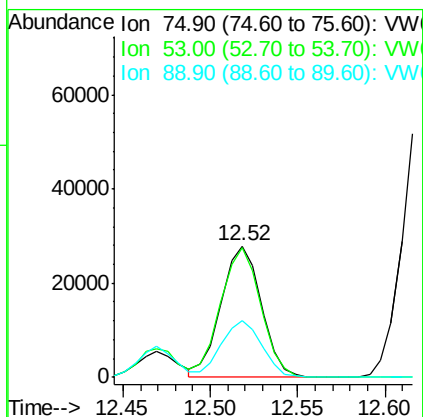
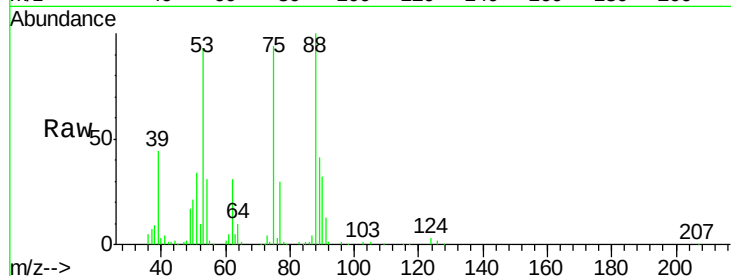
Tot Ion: 75 Resp: 44360

Ion Ratio Lower Upper

75 100

53 99.8 77.6 116.4

89 44.7 36.6 54.8



#82

4-Chlorotoluene

Concen: 52.989 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW004153.D

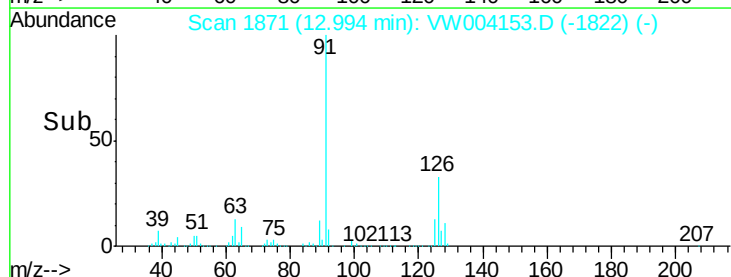
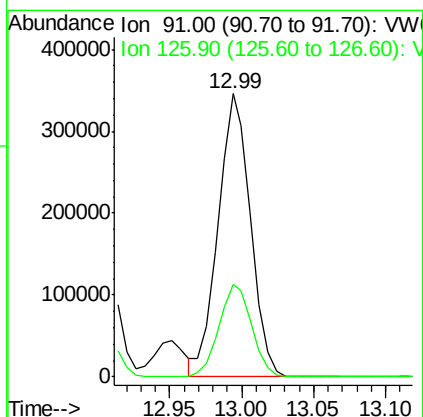
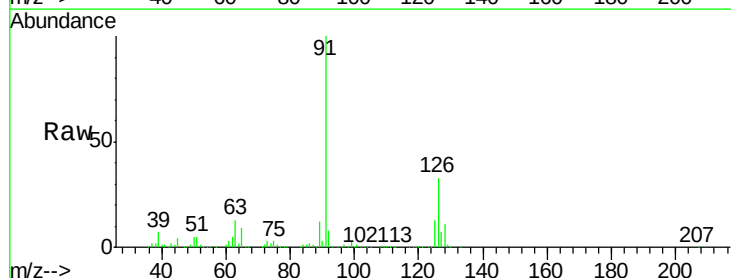
Acq: 23 Jul 2018 23:25

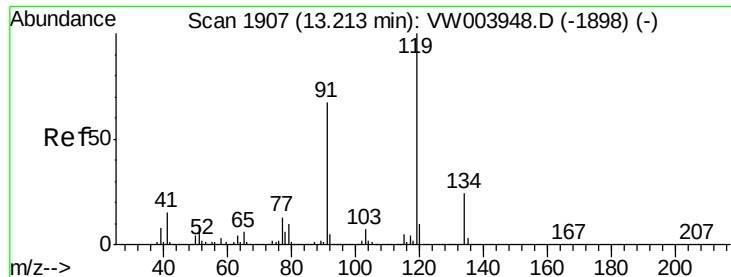
Tgt Ion: 91 Resp: 543180

Ion Ratio Lower Upper

91 100

126 33.0 16.7 50.0

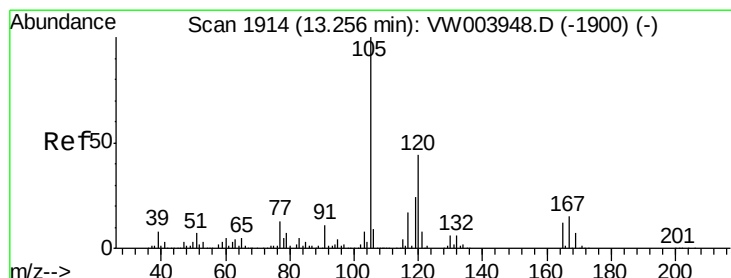
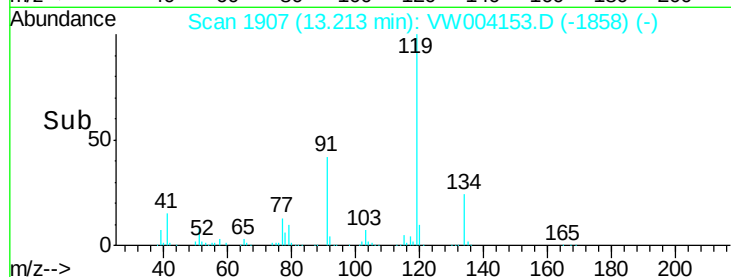
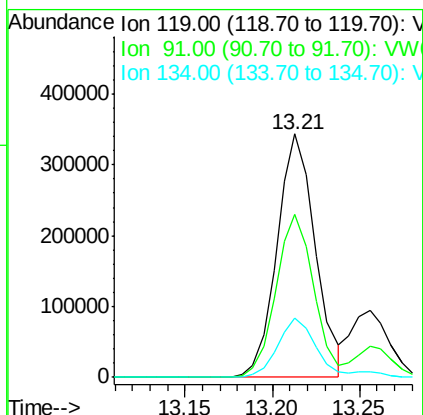
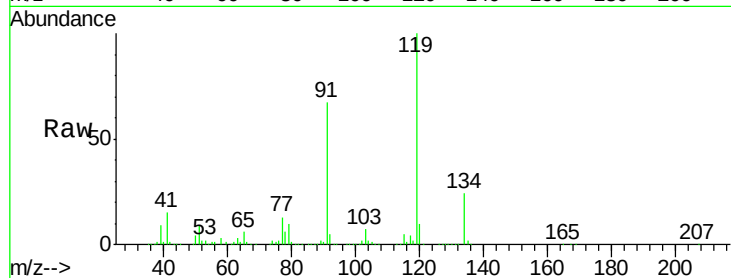




#83
 tert-Butylbenzene
 Concen: 53.668 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

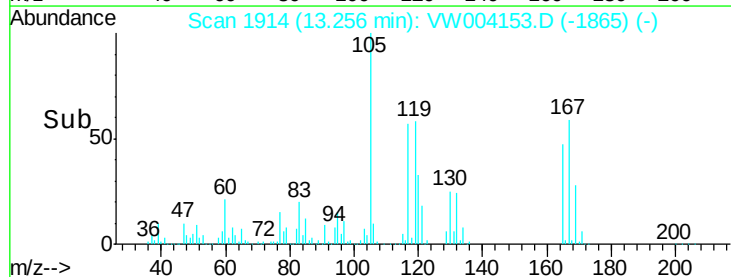
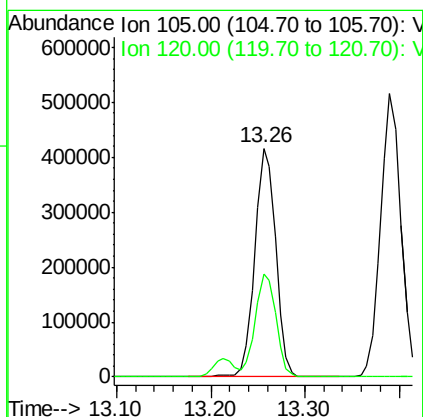
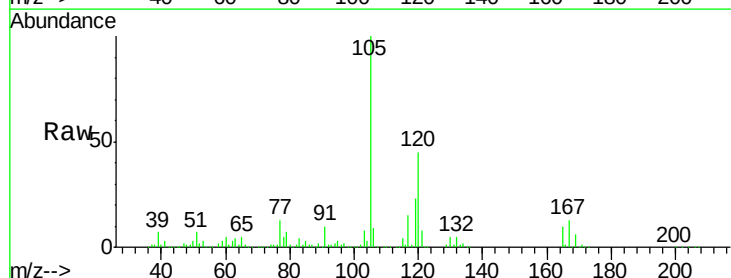
Instrument :
 MSVOA_W
 ClientSampleId :

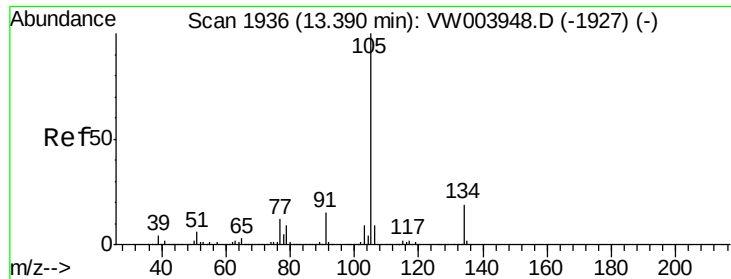
Tot Ion:119 Resp: 523456
 Ion Ratio Lower Upper
 119 100
 91 66.2 33.2 99.6
 134 25.9 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 54.005 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

Tgt Ion:105 Resp: 645499
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.1 66.1

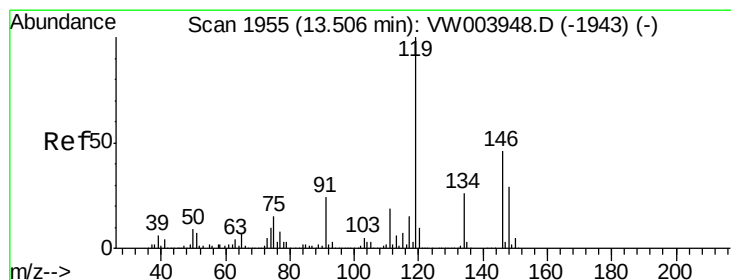
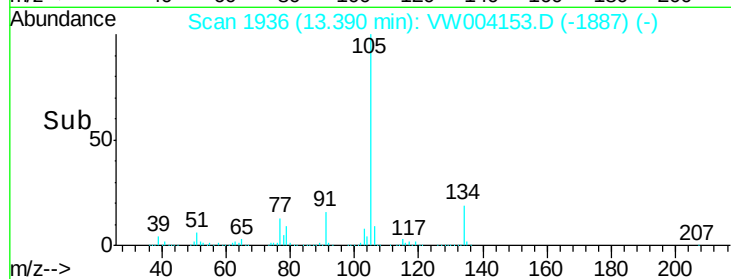
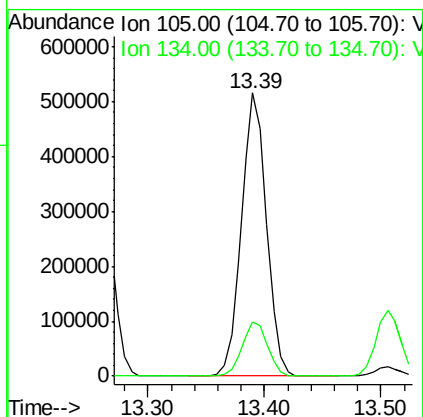
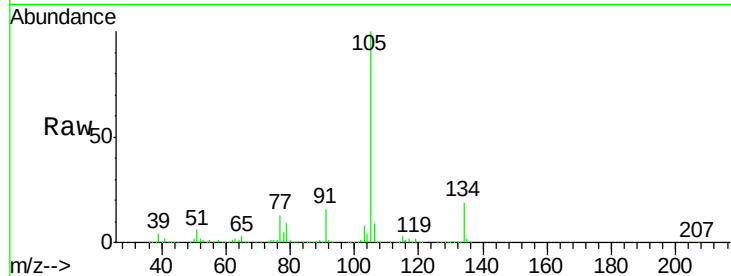




#85
 sec-Butylbenzene
 Concen: 53.266 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

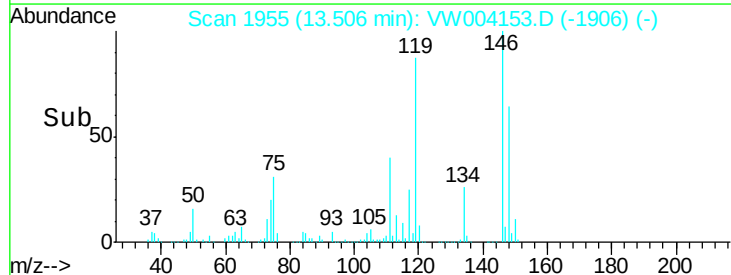
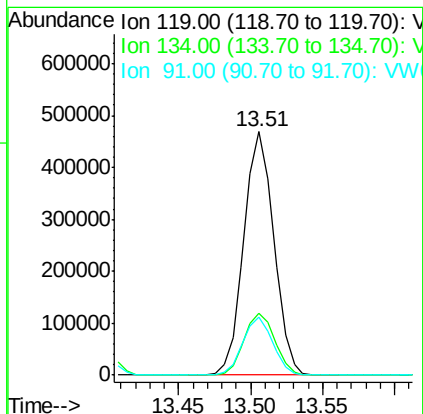
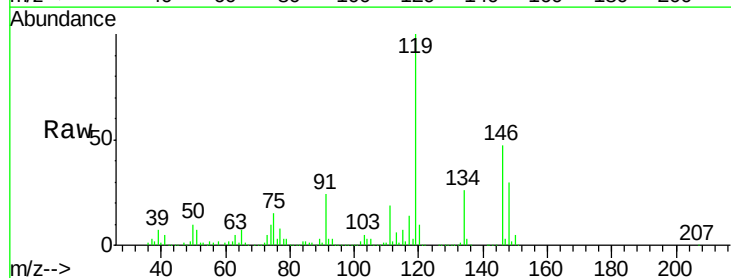
Instrument :
 MSVOA_W
 ClientSampleId :

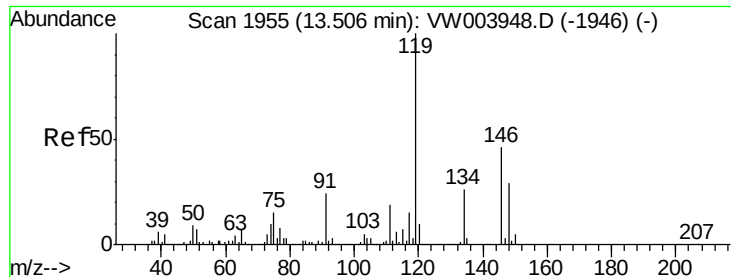
Tot Ion:105 Resp: 770861
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 53.356 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

Tgt Ion:119 Resp: 677306
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 38.9
 91 23.6 11.8 35.3

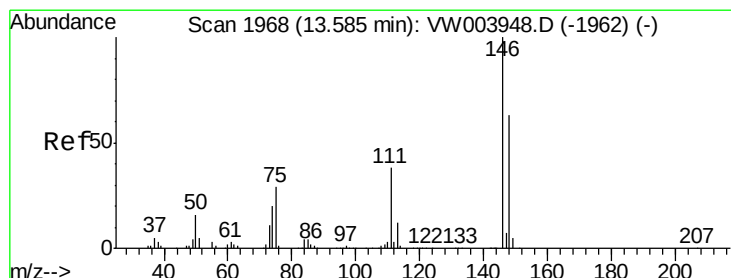
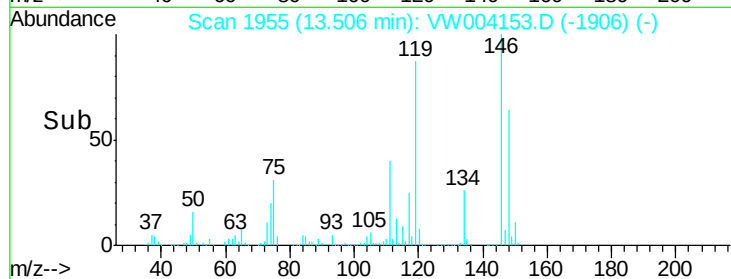
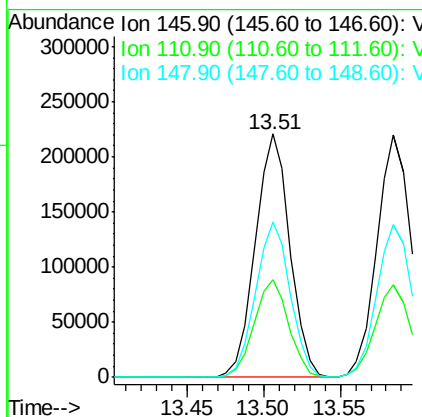
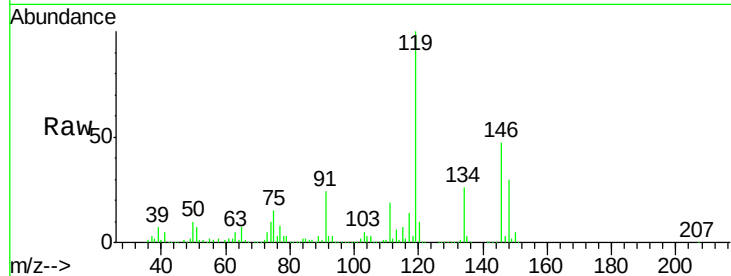




#87
 1,3-Dichlorobenzene
 Concen: 52.590 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

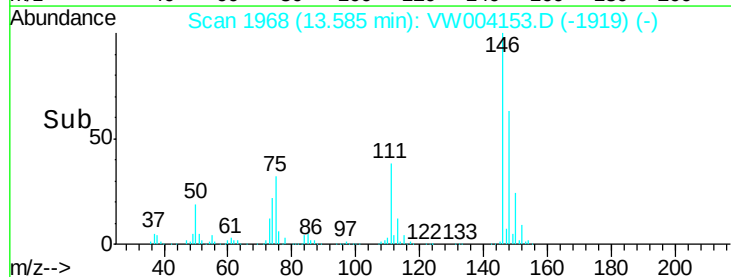
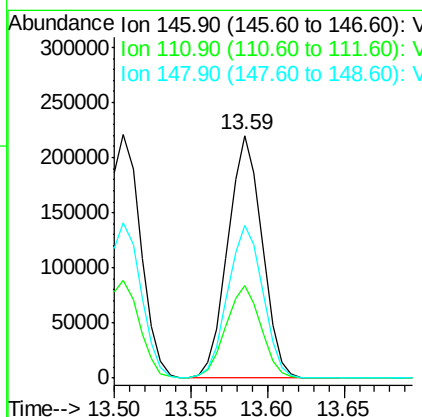
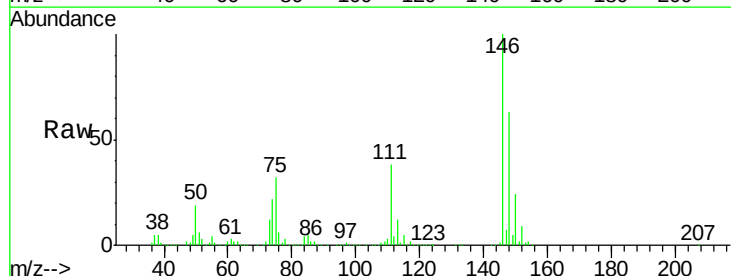
Instrument :
 MSVOA_W
 ClientSampleId :

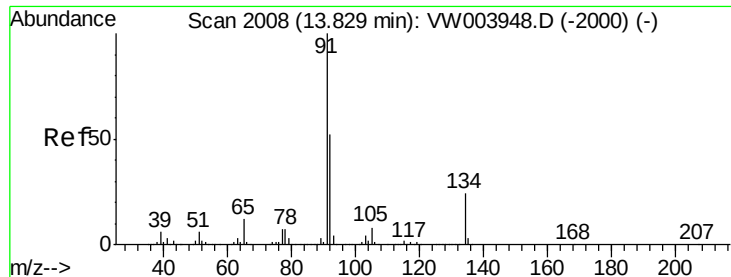
Tot Ion:146 Resp: 346967
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.9 59.6
 148 64.0 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 51.696 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

Tgt Ion:146 Resp: 342055
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.6 58.7
 148 64.3 32.3 96.8





#89

n-Butylbenzene

Concen: 52.657 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

Instrument :

MSVOA_W

ClientSampled :

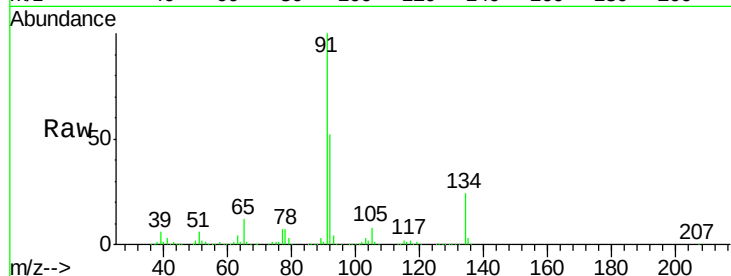
Tot Ion: 91 Resp: 657094

Ion Ratio Lower Upper

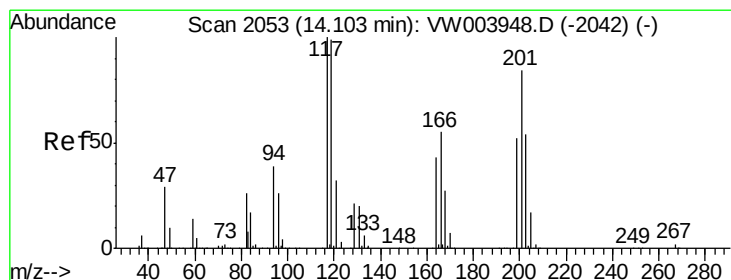
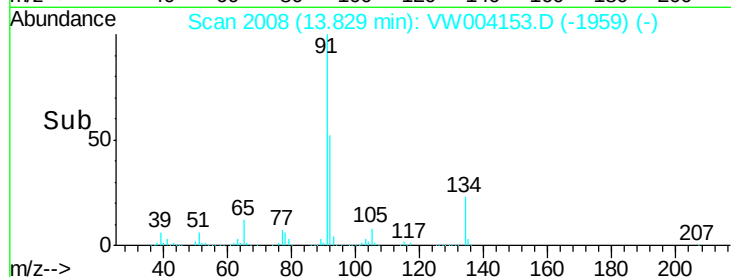
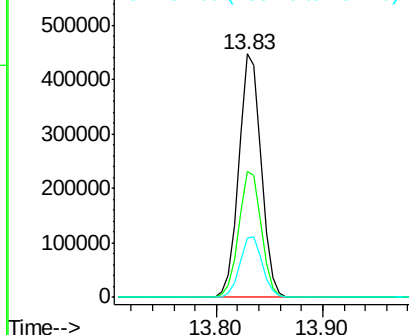
91 100

92 52.1 26.1 78.3

134 25.0 12.4 37.4



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



#90

Hexachloroethane

Concen: 52.469 ug/l

RT: 14.10 min Scan# 2052

Delta R.T. -0.01 min

Lab File: VW004153.D

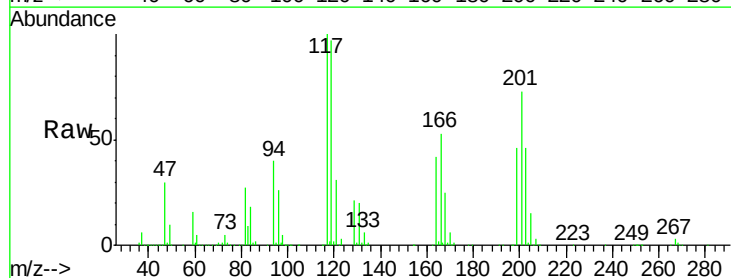
Acq: 23 Jul 2018 23:25

Tgt Ion: 117 Resp: 122777

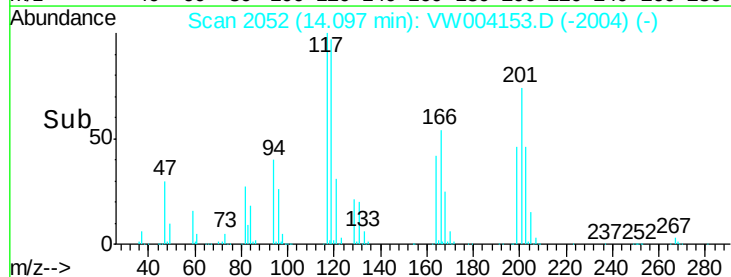
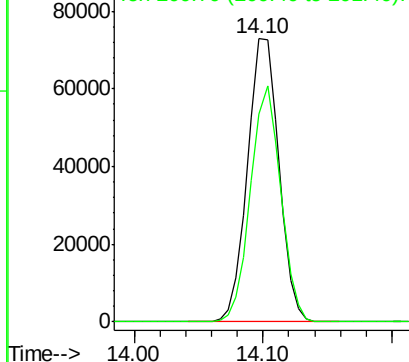
Ion Ratio Lower Upper

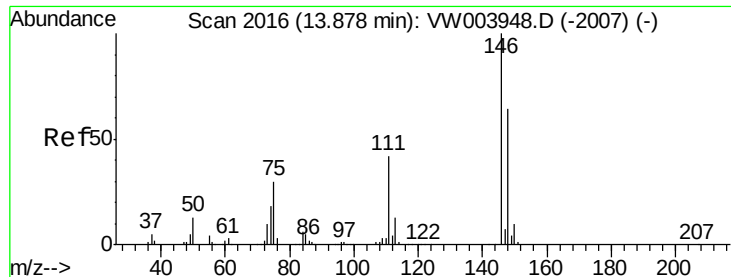
117 100

201 79.9 40.3 120.9



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





#91

1,2-Dichlorobenzene

Concen: 53.397 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

Instrument :

MSVOA_W

ClientSampled :

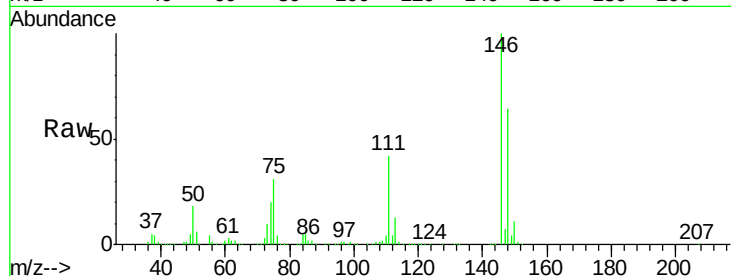
Tot Ion:146 Resp: 313877

Ion Ratio Lower Upper

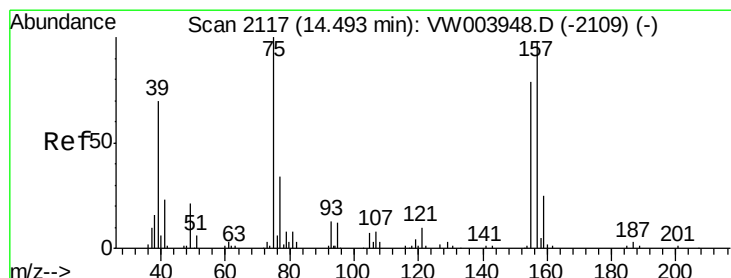
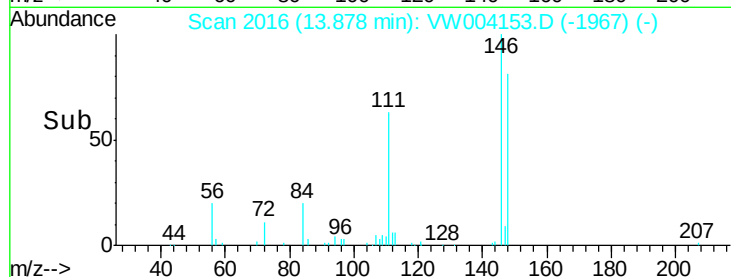
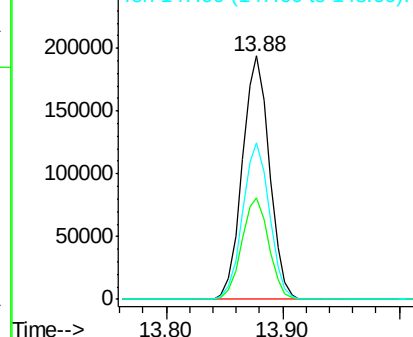
146 100

111 41.6 20.7 62.1

148 63.8 32.0 96.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.426 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

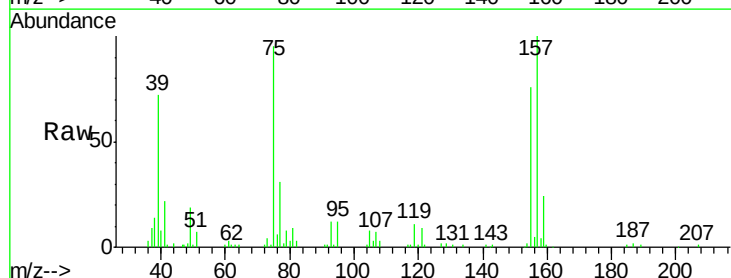
Tgt Ion: 75 Resp: 26313

Ion Ratio Lower Upper

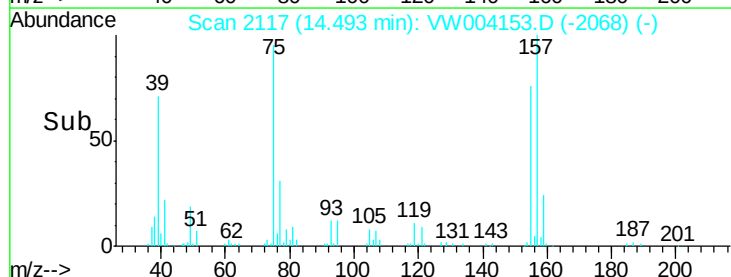
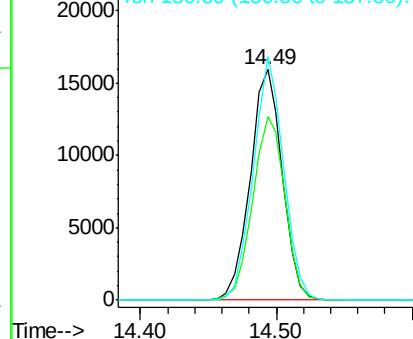
75 100

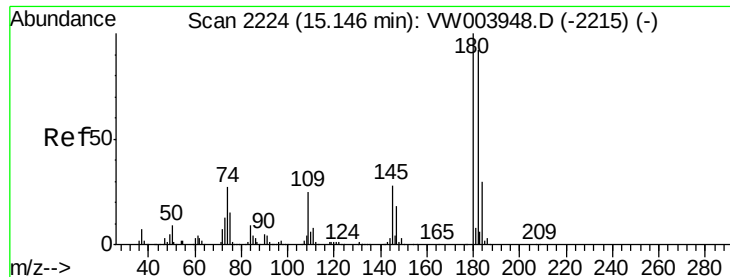
155 79.9 39.4 118.1

157 99.9 51.8 155.4



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

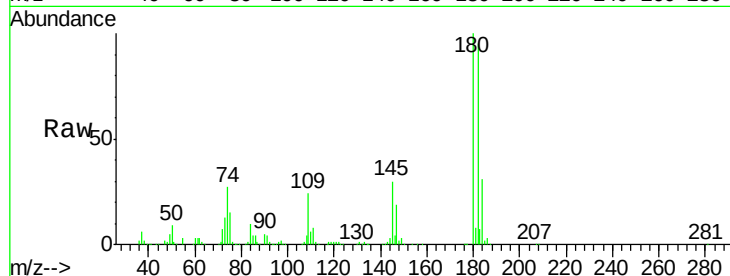




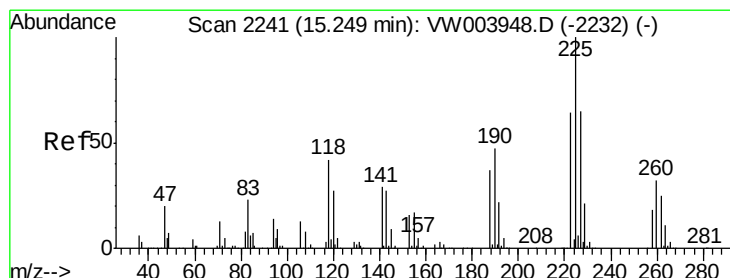
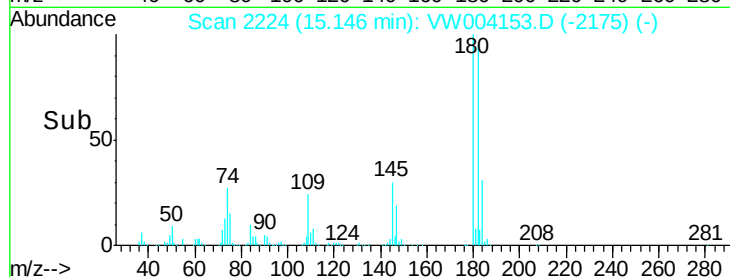
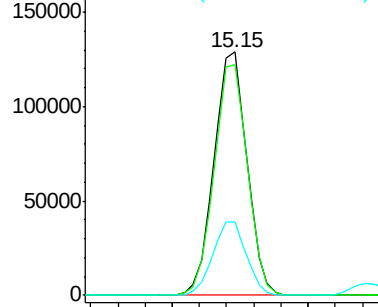
#93
 1,2,4-Trichlorobenzene
 Concen: 52.466 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.9	140.8
145	30.8	15.0	45.0

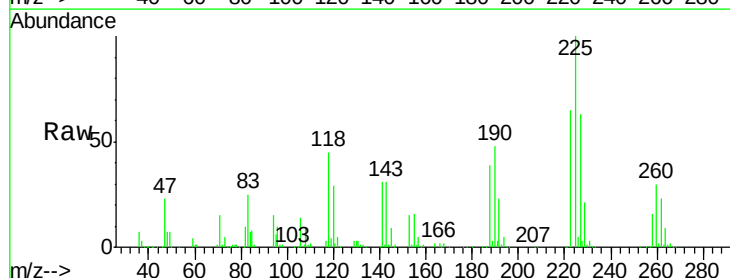


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

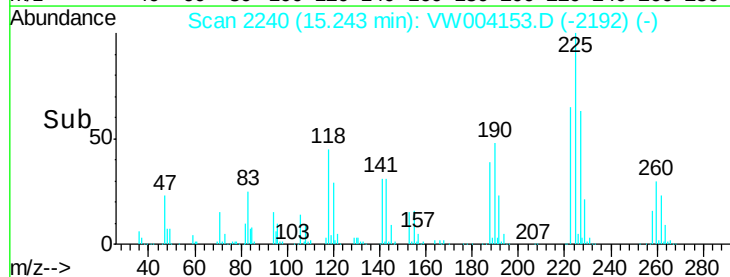
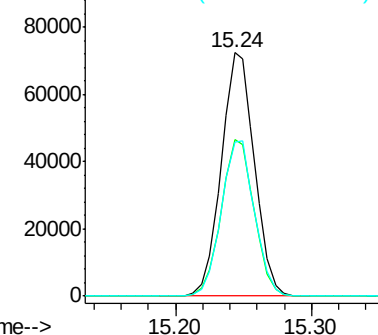


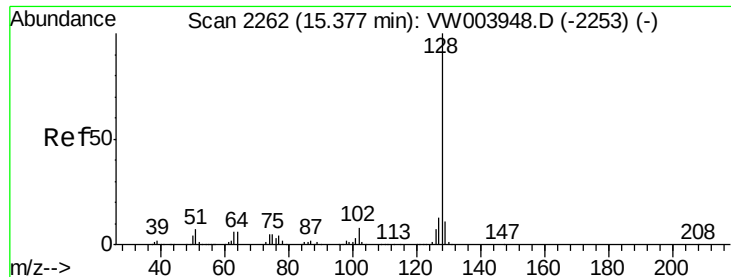
#94
 Hexachlorobutadiene
 Concen: 52.041 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW004153.D
 Acq: 23 Jul 2018 23:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	32.0	96.2
227	63.9	32.3	96.9



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





#95

Naphthalene

Concen: 57.070 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004153.D

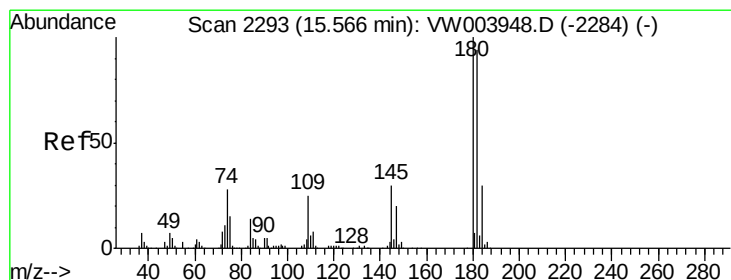
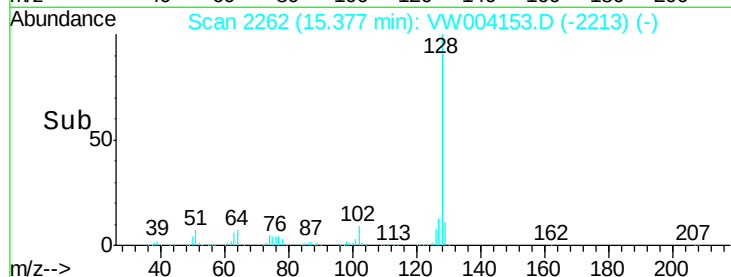
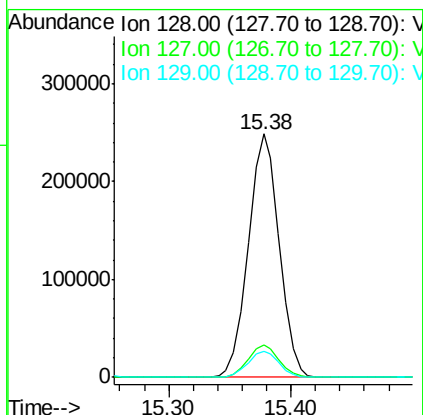
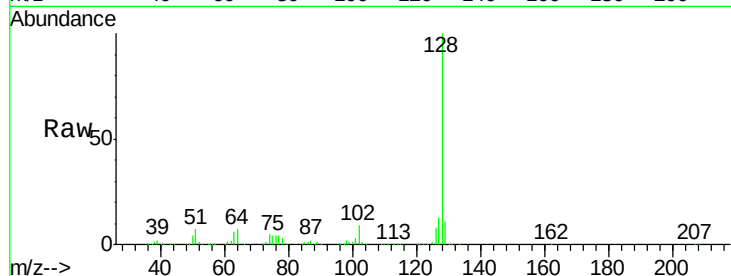
Acq: 23 Jul 2018 23:25

Instrument :

MSVOA_W

ClientSampleId :

Tot	Ion:128	Resp:	434867
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.9	8.7	13.1



#96

1,2,3-Trichlorobenzene

Concen: 54.675 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004153.D

Acq: 23 Jul 2018 23:25

Tgt Ion	180	Resp: Lower	199844 Upper
	Ratio		
180	100		
182	94.3	47.5	142.6
145	31.9	15.8	47.4

