

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012418\
 Data File : VW000944.D
 Acq On : 24 Jan 2018 13:10
 Operator : JC/SY
 Sample : J1161-03 MDL 2.0 PPB
 Misc : 5.0G/5.0ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 24 15:09:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 13:31:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	245378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	359900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	322724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	169991	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	119171	50.67	ug/l	0.00
Spiked Amount			Recovery	=	101.34%	
35) Dibromofluoromethane	7.89	113	96179	43.62	ug/l	0.00
Spiked Amount			Recovery	=	87.24%	
50) Toluene-d8	10.34	98	424722	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	12.63	95	145779	46.05	ug/l	0.00
Spiked Amount			Recovery	=	92.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	5469	2.312	ug/l	99
3) Chloromethane	2.22	50	4801	2.296	ug/l	95
4) Vinyl Chloride	2.36	62	4041	2.078	ug/l #	84
5) Bromomethane	2.76	94	3648	2.739	ug/l	90
6) Chloroethane	2.91	64	2332	2.158	ug/l	100
7) Trichlorofluoromethane	3.26	101	7344	2.051	ug/l	84
8) Diethyl Ether	3.67	74	1973	2.200	ug/l	54
9) 1,1,2-Trichlorotrifluoroet	4.04	101	5525	2.388	ug/l	95
10) Methyl Iodide	4.27	142	3770	6.245	ug/l	95
11) Tert butyl alcohol	5.12	59	23523	92.228	ug/l #	79
12) 1,1-Dichloroethene	4.03	96	4620	2.323	ug/l #	79
13) Acrolein	3.90	56	2156	8.658	ug/l	99
14) Allyl chloride	4.66	41	6214	2.006	ug/l	95
15) Acrylonitrile	5.38	53	6815	9.726	ug/l	98
16) Acetone	4.13	43	10846	27.744	ug/l	94
17) Carbon Disulfide	4.37	76	13359	2.034	ug/l #	95
18) Methyl Acetate	4.68	43	3690	2.133	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	9862	1.931	ug/l	93
20) Methylene Chloride	4.91	84	10420	2.043	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	4624	2.001	ug/l	87
22) Diisopropyl ether	6.32	45	9559	1.723	ug/l #	95
23) Vinyl Acetate	6.26	43	10728	3.113	ug/l	96
24) 1,1-Dichloroethane	6.23	63	7647	2.060	ug/l	97
25) 2-Butanone	7.18	43	10277	9.877	ug/l	93
26) 2,2-Dichloropropane	7.17	77	9880	2.629	ug/l	86
27) cis-1,2-Dichloroethene	7.17	96	4376	1.833	ug/l	72
28) Bromochloromethane	7.51	49	2823	1.810	ug/l	93
29) Tetrahydrofuran	7.53	42	4963	8.669	ug/l	98
31) Cyclohexane	7.95	56	11842	3.089	ug/l #	68
32) 1,1,1-Trichloroethane	7.87	97	7791	2.013	ug/l	98
36) 1,1-Dichloropropene	8.08	75	6947	2.023	ug/l	97
37) Ethyl Acetate	7.26	43	3892	2.008	ug/l #	89
38) Carbon Tetrachloride	8.06	117	6588	1.739	ug/l	95
39) Methylcyclohexane	9.34	83	7635	1.846	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.32	78	18249	1.954	ug/l	100
41) Methacrylonitrile	7.49	41	1773	1.630	ug/l #	87
42) 1,2-Dichloroethane	8.41	62	5631	1.957	ug/l	99
43) Isopropyl Acetate	8.43	43	5870	1.786	ug/l	96
44) Trichloroethene	9.09	130	5827	2.100	ug/l	81
45) 1,2-Dichloropropane	9.37	63	4363	2.003	ug/l	93
46) Dibromomethane	9.46	93	2366	1.700	ug/l	94
47) Bromodichloromethane	9.65	83	5298	1.721	ug/l	90
48) Methyl methacrylate	9.45	41	2540	1.609	ug/l #	86
49) 1,4-Dioxane	9.45	88	1058	34.779	ug/l #	86
51) 4-Methyl-2-Pentanone	10.22	43	15418	8.154	ug/l	97
52) Toluene	10.40	92	11541	1.957	ug/l	95
53) t-1,3-Dichloropropene	10.62	75	5299	1.699	ug/l	89
54) cis-1,3-Dichloropropene	10.08	75	5699	1.661	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	3891	2.002	ug/l #	88
56) Ethyl methacrylate	10.66	69	3695	4.572	ug/l #	89
57) 1,3-Dichloropropane	10.94	76	5824	1.835	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	5271	29.041	ug/l	99
59) 2-Hexanone	10.98	43	10940	20.869	ug/l	92
60) Dibromochloromethane	11.13	129	4050	1.725	ug/l	94
61) 1,2-Dibromoethane	11.24	107	3570	1.763	ug/l	97
64) Tetrachloroethene	10.87	164	5968	2.228	ug/l	97
65) Chlorobenzene	11.67	112	13078	1.975	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.74	131	4491	1.889	ug/l #	64
67) Ethyl Benzene	11.74	91	20403	1.824	ug/l	97
68) m/p-Xylenes	11.85	106	14839	3.413	ug/l	98
69) o-Xylene	12.18	106	6698	1.680	ug/l	99
70) Stvrene	12.19	104	10335	1.590	ug/l	96
71) Bromoform	12.37	173	2714	1.683	ug/l #	94
73) Isopropylbenzene	12.48	105	18884	1.719	ug/l	99
74) N-amyl acetate	12.29	43	4165	1.562	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	4181	1.781	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	6275	3.190	ug/l #	100
77) Bromobenzene	12.76	156	5510	1.972	ug/l	97
78) n-propylbenzene	12.82	91	24917	1.880	ug/l	99
79) 2-Chlorotoluene	12.91	91	14238	1.905	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	16157	1.729	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.63	75	73815	90.138	ug/l #	11
82) 4-Chlorotoluene	13.01	91	15145	1.907	ug/l	98
83) tert-Butylbenzene	13.23	119	14186	1.733	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	15305	1.620	ug/l	96
85) sec-Butylbenzene	13.40	105	20265	1.715	ug/l	98
86) p-Isopropyltoluene	13.52	119	16782	1.601	ug/l	94
87) 1,3-Dichlorobenzene	13.51	146	10980	1.981	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	11277	2.035	ug/l	79
89) n-Butylbenzene	13.84	91	18603	1.890	ug/l	94
90) Hexachloroethane	14.11	117	3901	2.002	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	9857	1.974	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1018	1.965	ug/l	92
93) 1,2,4-Trichlorobenzene	15.16	180	7687	2.066	ug/l	97

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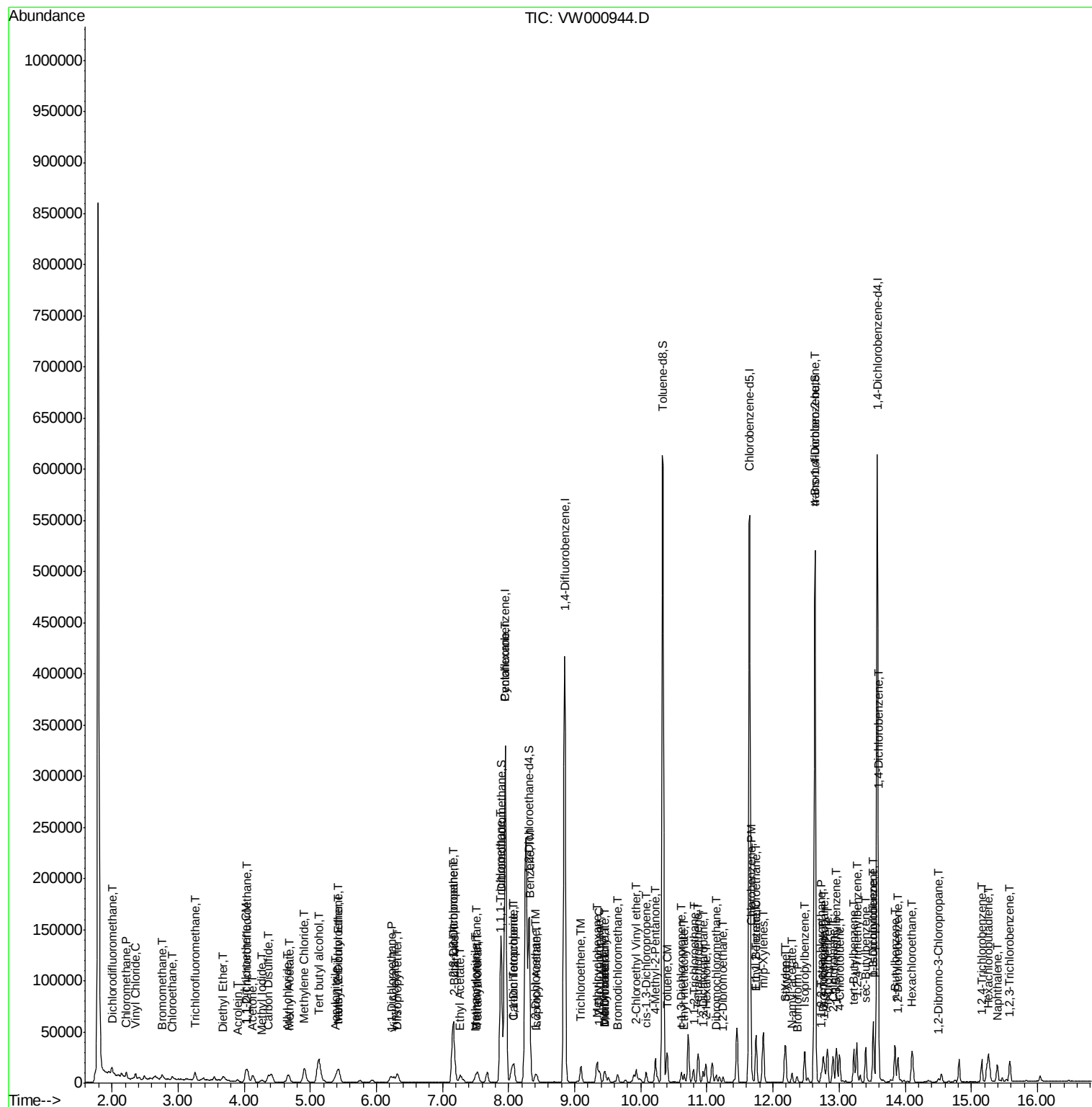
Quant Time: Jan 24 15:09:34 2018
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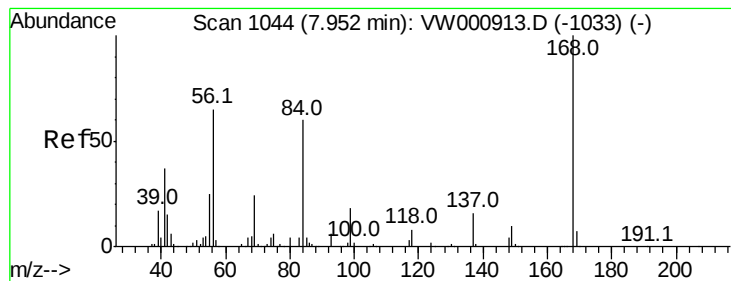
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.26	225	4700	1.992	ug/l	96
95) Naphthalene	15.39	128	13600	1.731	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.58	180	6643	1.941	ug/l	96

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

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jan 24 15:09:34 2018
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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: VW000944.D

Acq: 24 Jan 2018 13:10

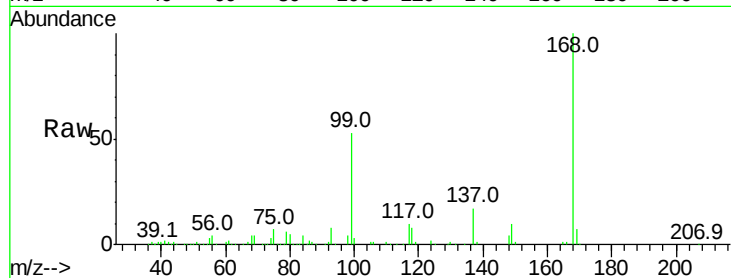
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 245378

Ion Ratio Lower Upper

168 100

99 53.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

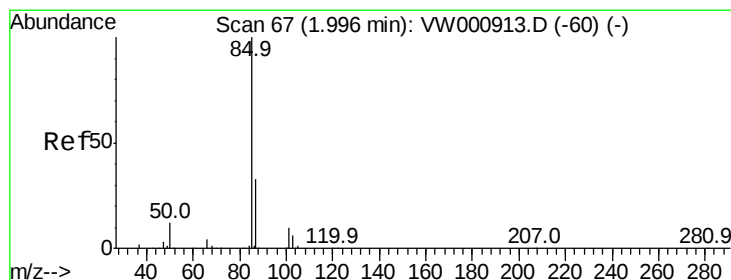
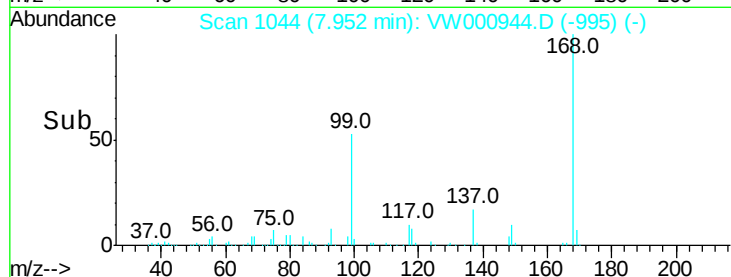
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 2.312 ug/l

RT: 2.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VW000944.D

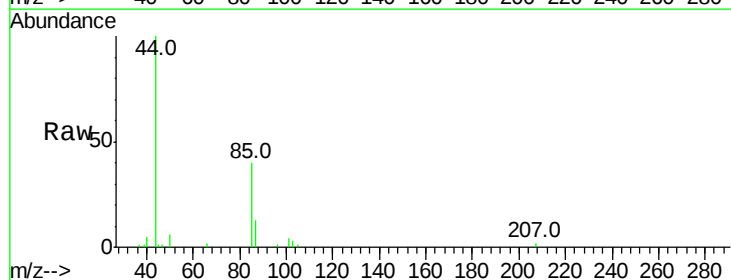
Acq: 24 Jan 2018 13:10

Tgt Ion: 85 Resp: 5469

Ion Ratio Lower Upper

85 100

87 32.9 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

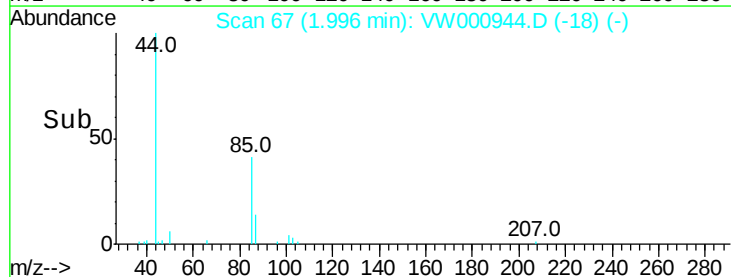
3000

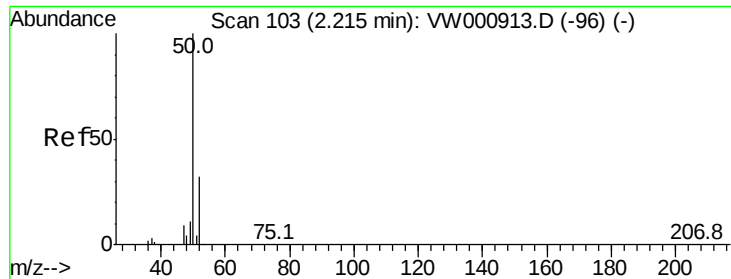
2000

1000

0

Time--> 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 2.296 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Instrument :

MSVOA_W

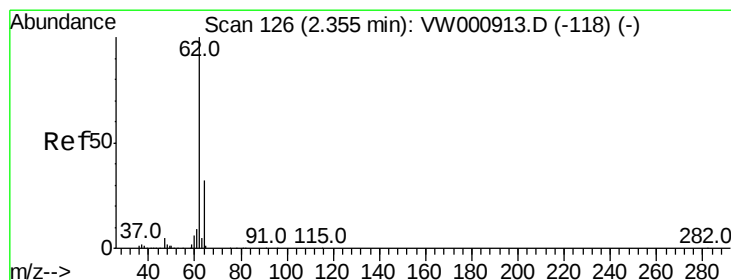
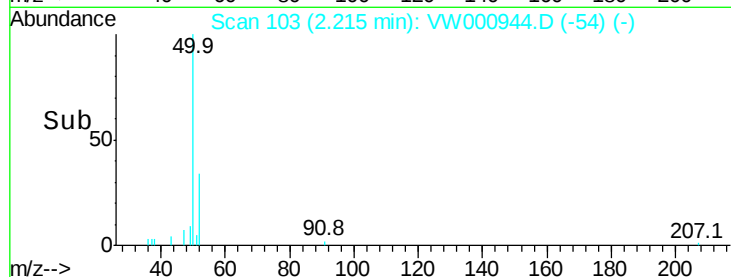
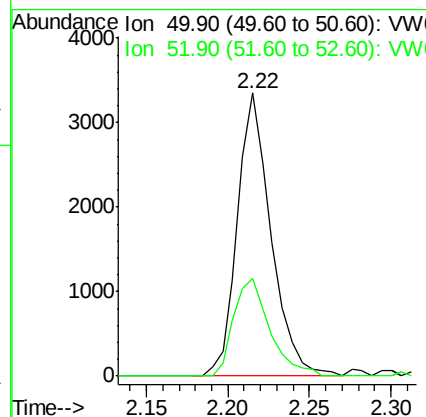
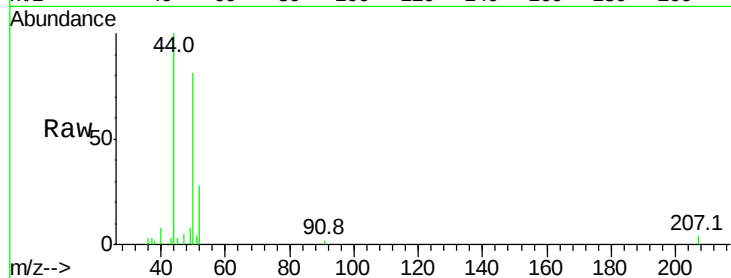
ClientSampleId :

Tot Ion: 50 Resp: 4801

Ion Ratio Lower Upper

50 100

52 34.4 25.5 38.3



#4

Vinyl Chloride

Concen: 2.078 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW000944.D

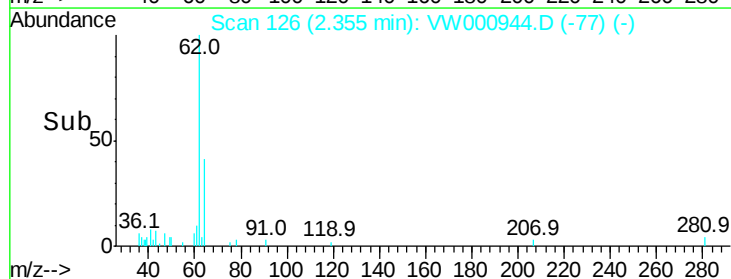
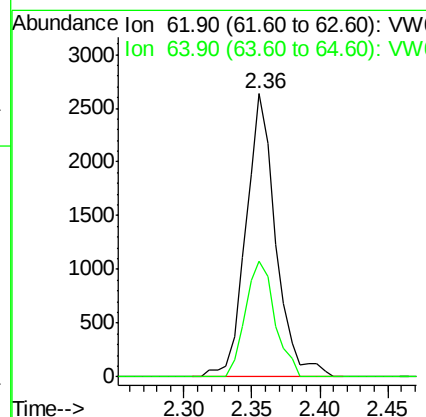
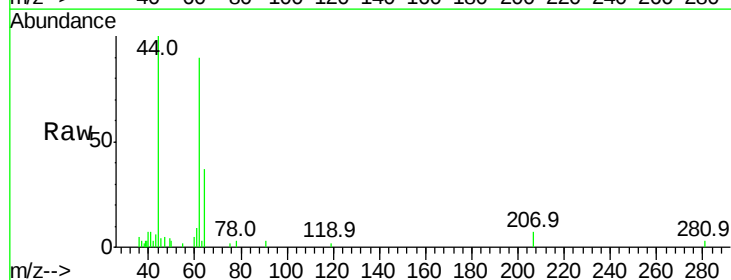
Acq: 24 Jan 2018 13:10

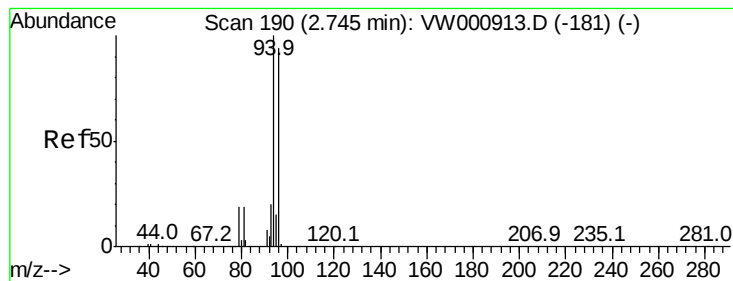
Tgt Ion: 62 Resp: 4041

Ion Ratio Lower Upper

62 100

64 40.7 25.6 38.4#





#5

Bromomethane

Concen: 2.739 ug/l

RT: 2.76 min Scan# 192

Delta R.T. 0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

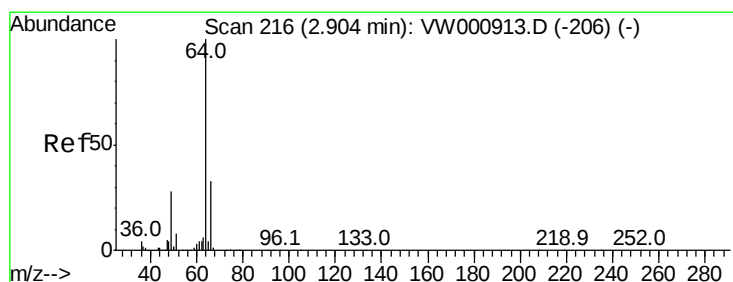
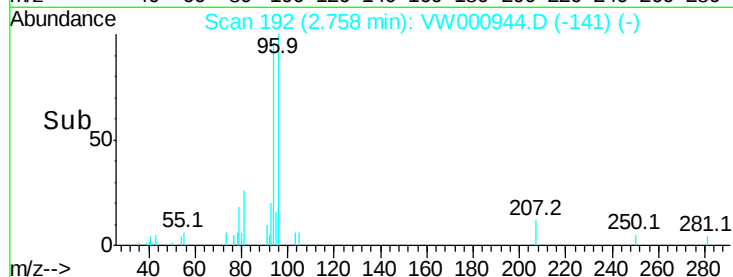
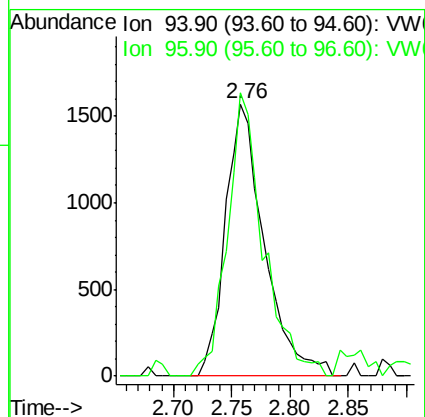
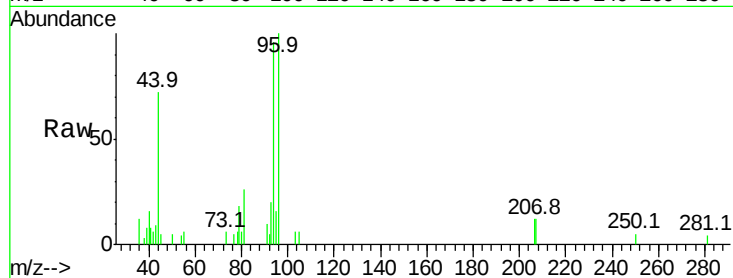
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 3648

Ion Ratio Lower Upper

94 100

96 104.1 75.5 113.3



#6

Chloroethane

Concen: 2.158 ug/l

RT: 2.91 min Scan# 217

Delta R.T. 0.01 min

Lab File: VW000944.D

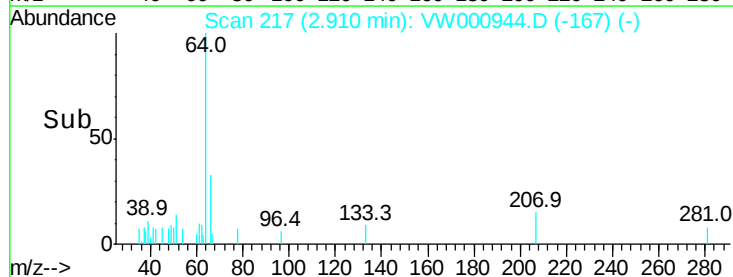
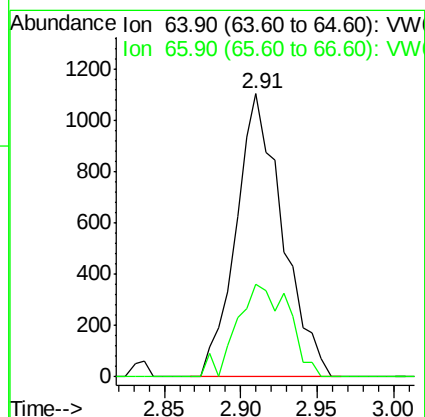
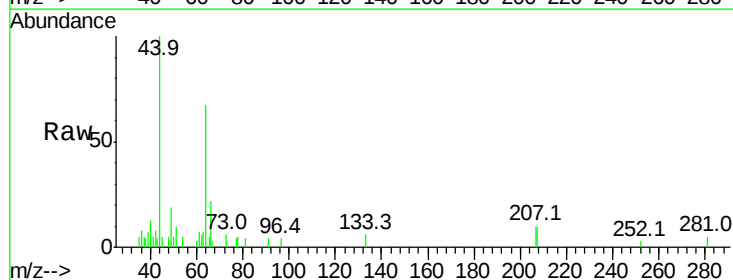
Acq: 24 Jan 2018 13:10

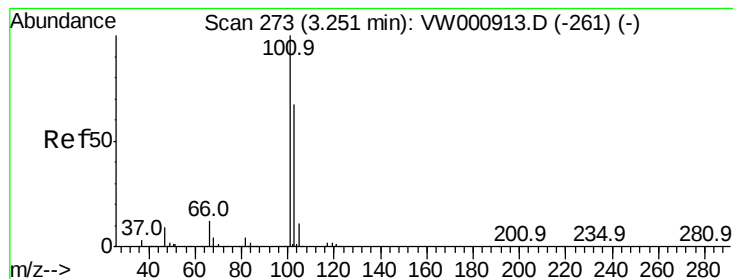
Tgt Ion: 64 Resp: 2332

Ion Ratio Lower Upper

64 100

66 32.5 26.1 39.1



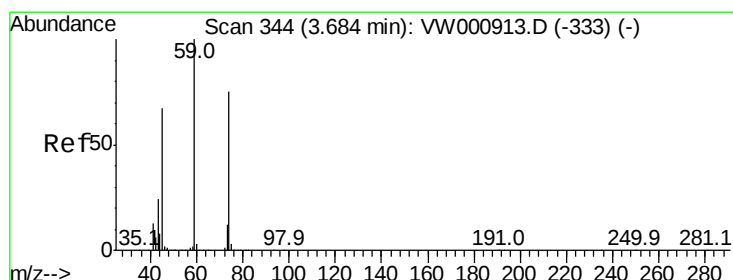
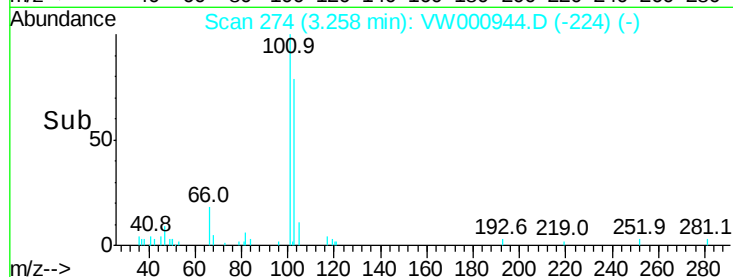
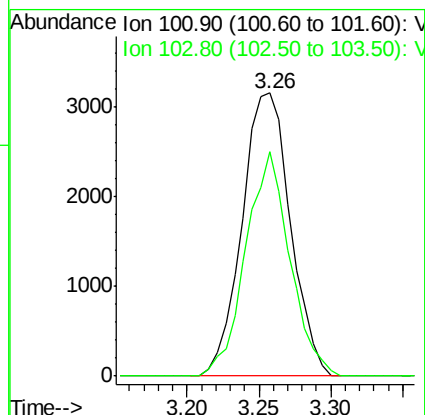
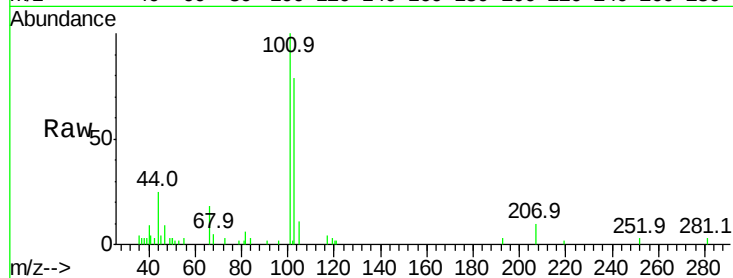


#7

Trichlorofluoromethane
Concen: 2.051 ug/l
RT: 3.26 min Scan# 274
Delta R.T. 0.01 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

Instrument :
MSVOA_W
ClientSampled :

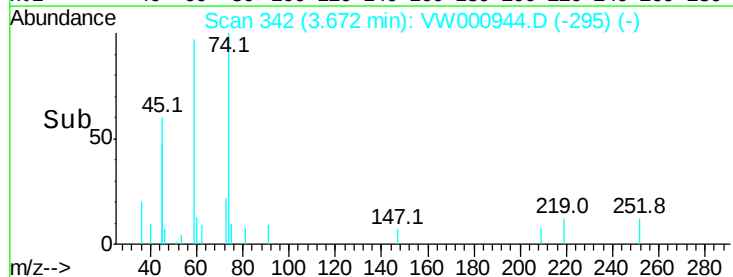
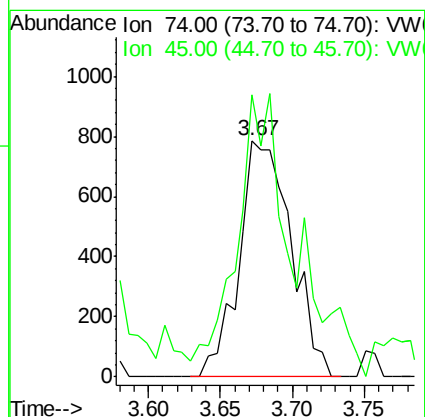
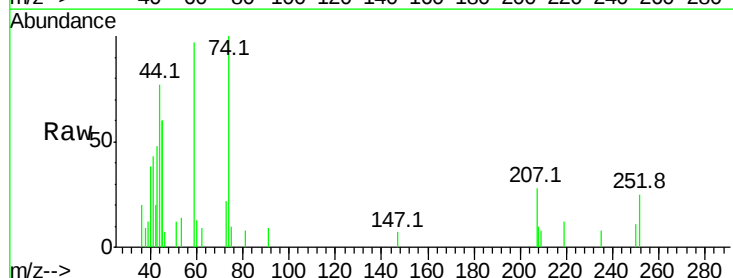
Tot Ion:101 Resp: 7344
Ion Ratio Lower Upper
101 100
103 79.1 53.4 80.0

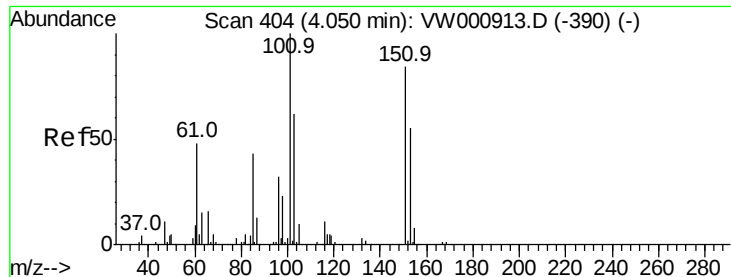


#8

Diethyl Ether
Concen: 2.200 ug/l
RT: 3.67 min Scan# 342
Delta R.T. -0.01 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

Tgt Ion: 74 Resp: 1973
Ion Ratio Lower Upper
74 100
45 132.7 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.388 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Instrument :

MSVOA_W

ClientSampleId :

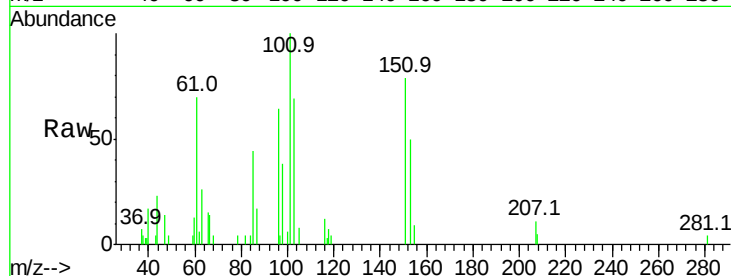
Tot Ion:101 Resp: 5525

Ion Ratio Lower Upper

101 100

85 46.1 35.3 52.9

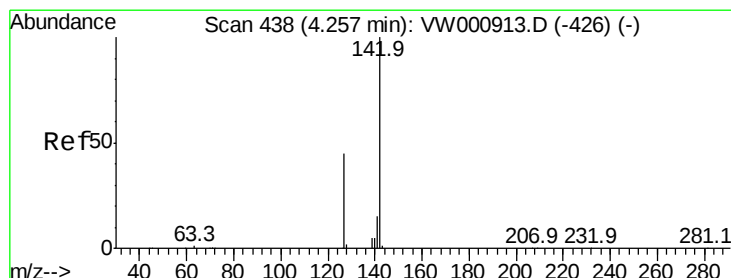
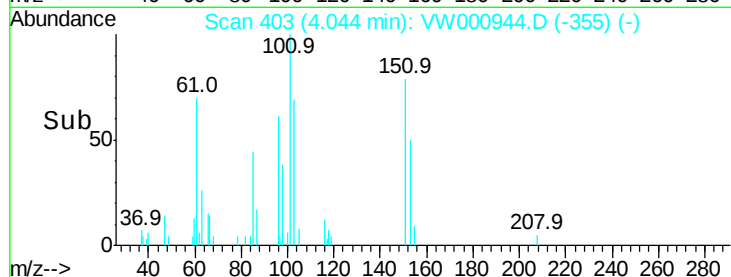
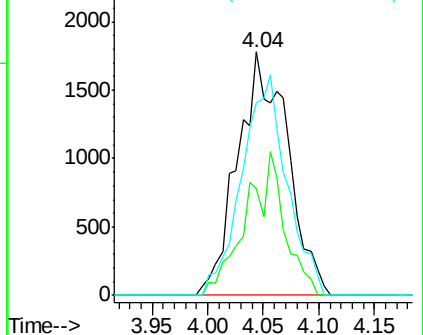
151 82.0 69.9 104.9



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: 6.245 ug/l

RT: 4.27 min Scan# 440

Delta R.T. 0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

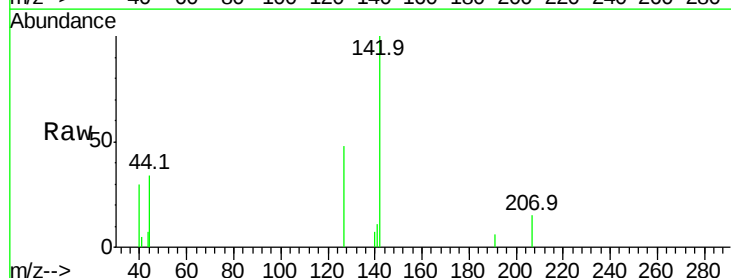
Tgt Ion:142 Resp: 3770

Ion Ratio Lower Upper

142 100

127 48.1 35.5 53.3

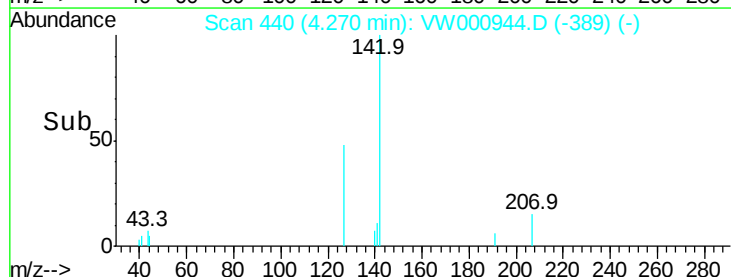
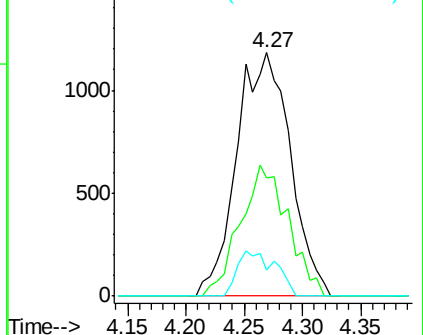
141 13.2 11.7 17.5

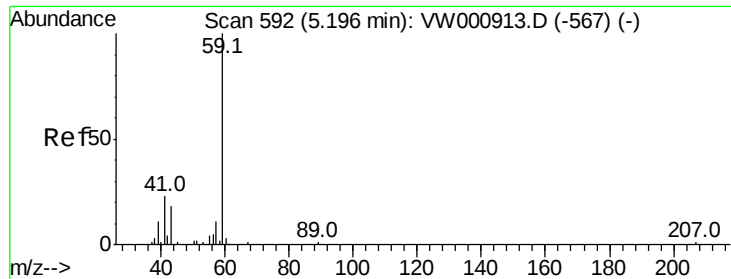


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



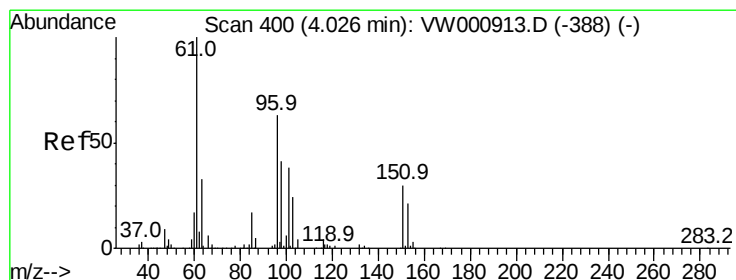
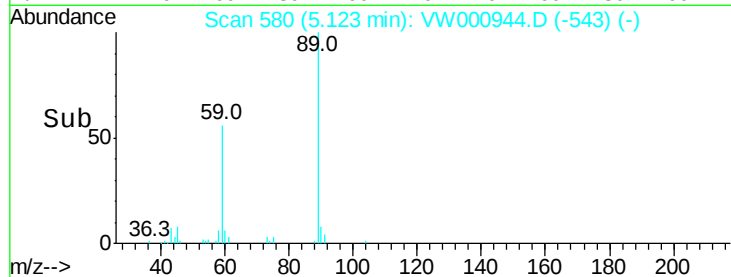
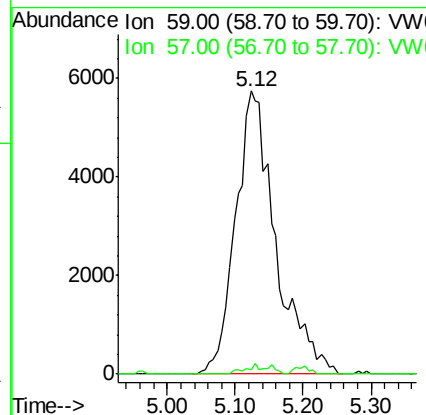
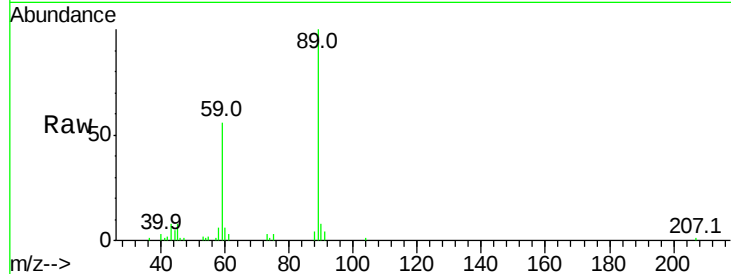


#11

Tert butyl alcohol
Concen: 92.228 ug/l
RT: 5.12 min Scan# 580
Delta R.T. -0.07 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

Instrument :
MSVOA_W
ClientSampled :

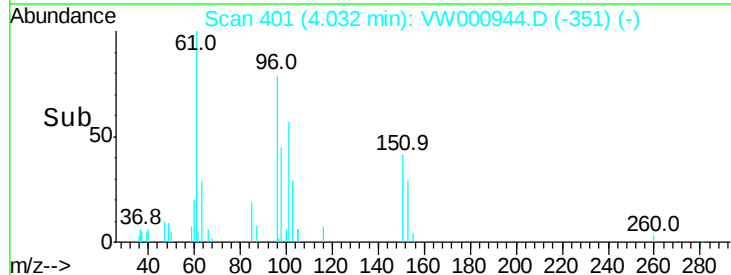
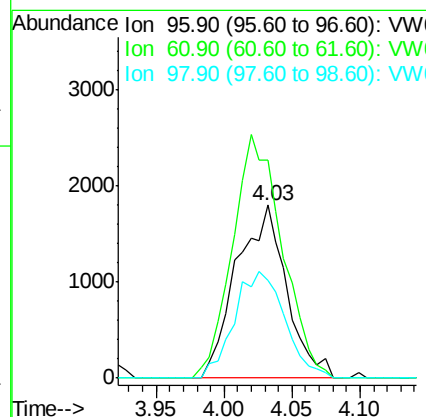
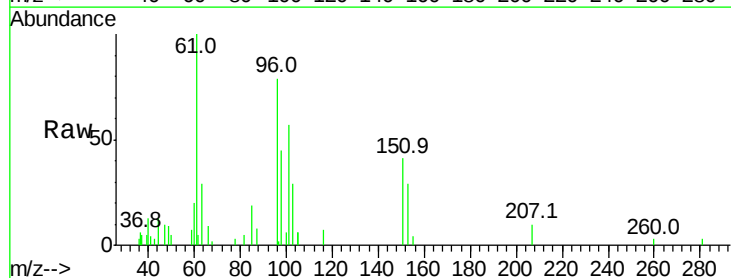
Tot Ion: 59 Resp: 23523
Ion Ratio Lower Upper
59 100
57 1.3 7.0 10.6#

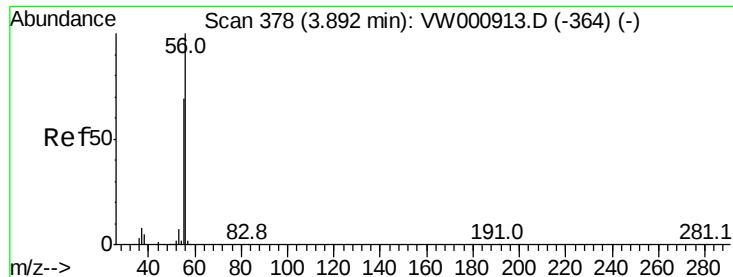


#12

1,1-Dichloroethene
Concen: 2.323 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.01 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

Tgt Ion: 96 Resp: 4620
Ion Ratio Lower Upper
96 100
61 125.8 126.7 190.1#
98 56.5 52.1 78.1





#13

Acrolein

Concen: 8.658 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

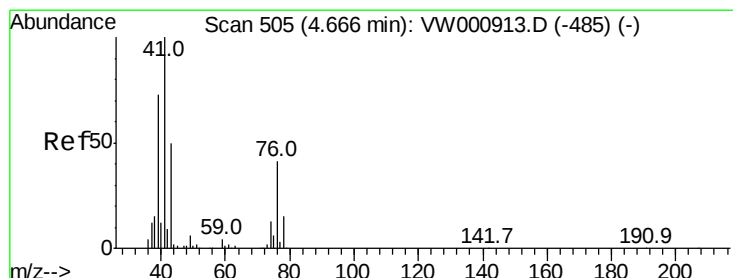
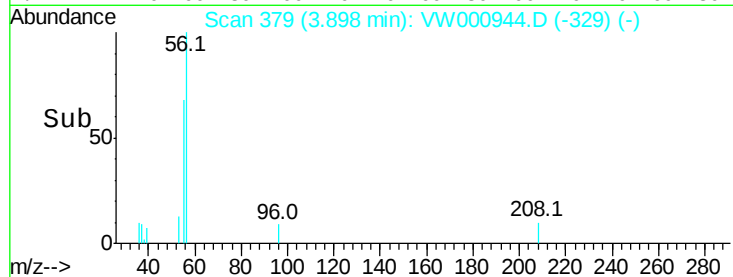
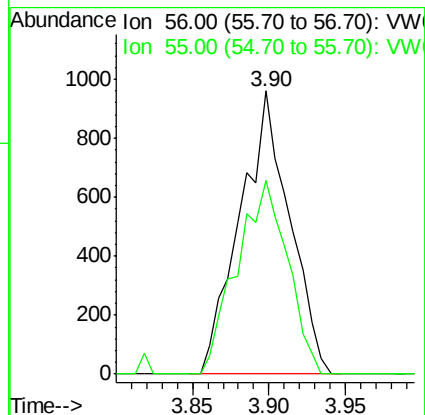
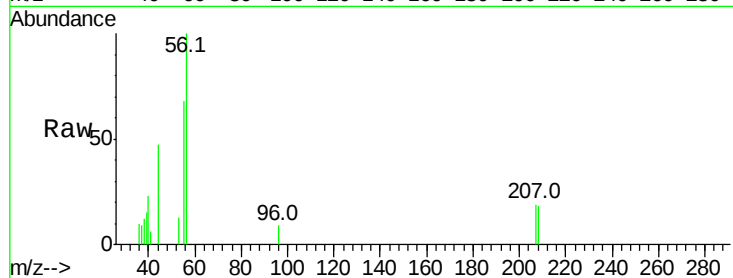
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 2156

Ion Ratio Lower Upper

56 100

55 70.2 55.4 83.0



#14

Allyl chloride

Concen: 2.006 ug/l

RT: 4.66 min Scan# 504

Delta R.T. -0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

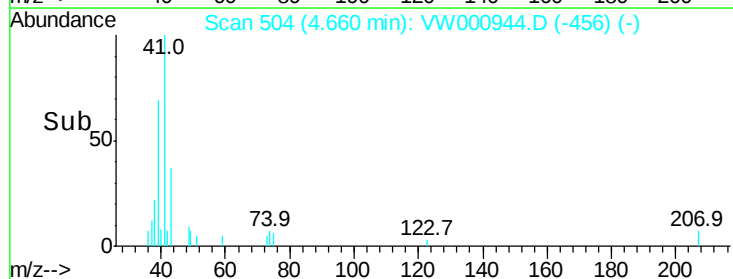
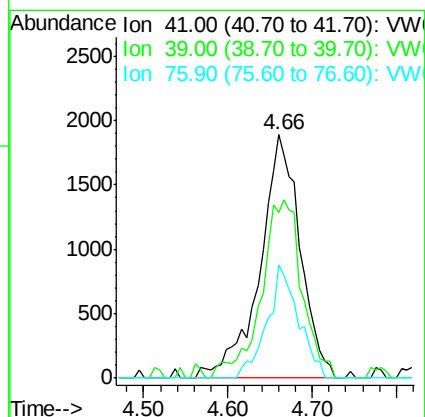
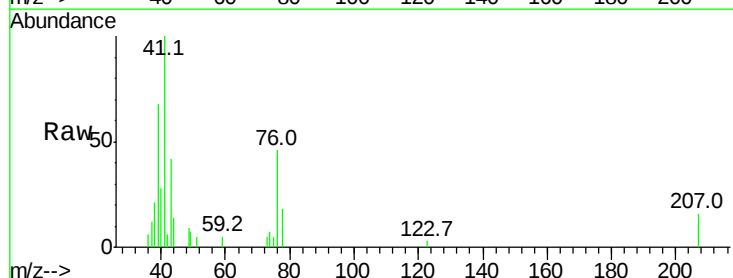
Tgt Ion: 41 Resp: 6214

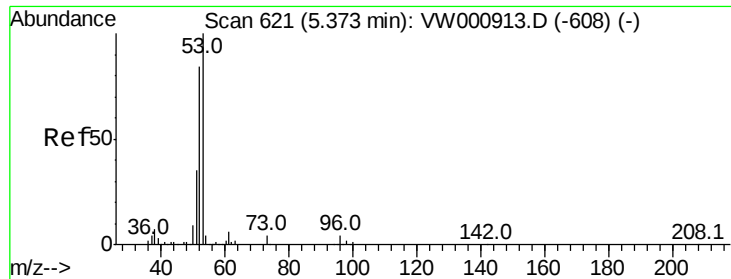
Ion Ratio Lower Upper

41 100

39 74.3 55.3 82.9

76 36.2 29.9 44.9





#15

Acrylonitrile

Concen: 9.726 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Instrument :
MSVOA_W
ClientSampled :

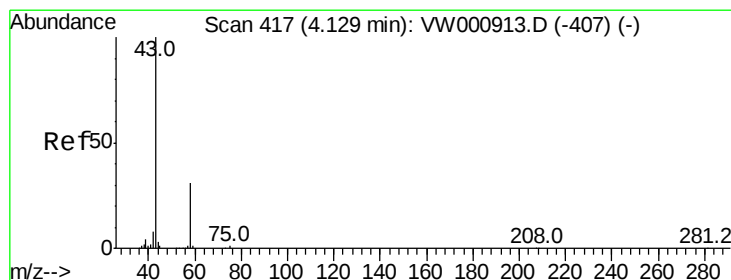
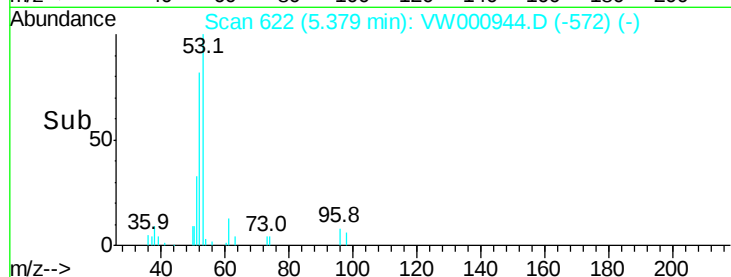
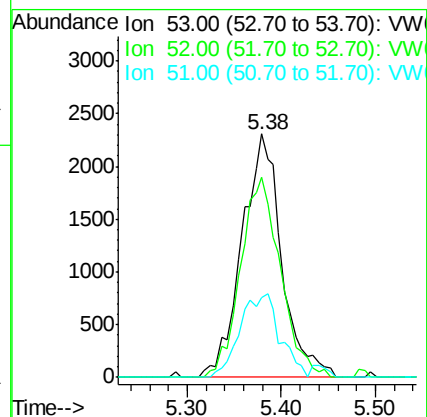
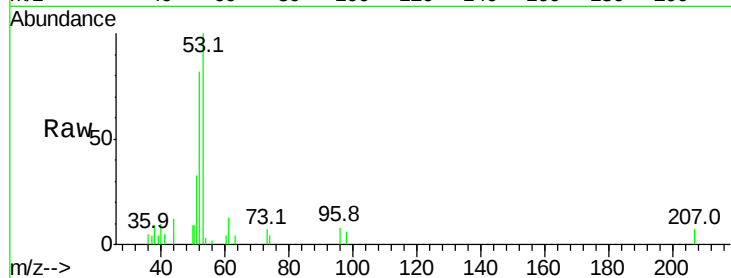
Tot Ion: 53 Resp: 6815

Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.6	99.8
51	34.4	29.4	44.0

53 100

52 82.5 66.6 99.8

51 34.4 29.4 44.0



#16

Acetone

Concen: 27.744 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.00 min

Lab File: VW000944.D

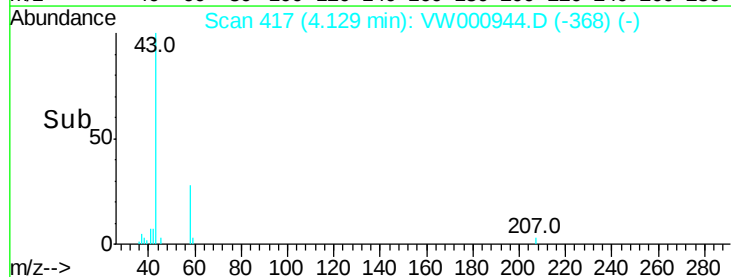
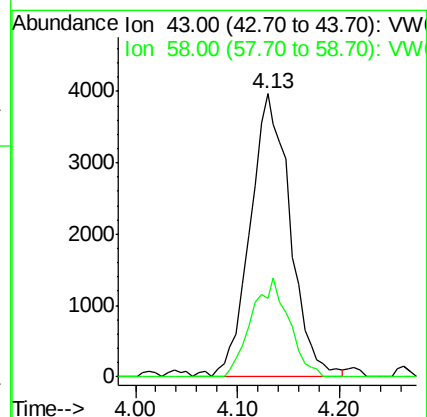
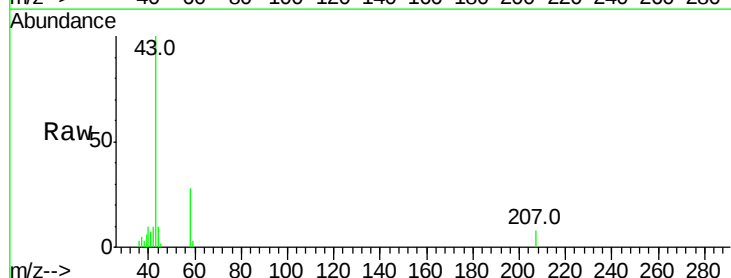
Acq: 24 Jan 2018 13:10

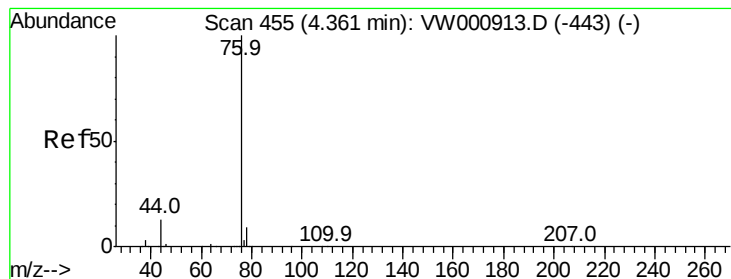
Tgt Ion: 43 Resp: 10846

Ion	Ratio	Lower	Upper
43	100		
58	27.8	24.9	37.3

43 100

58 27.8 24.9 37.3





#17

Carbon Disulfide

Concen: 2.034 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Instrument :

MSVOA_W

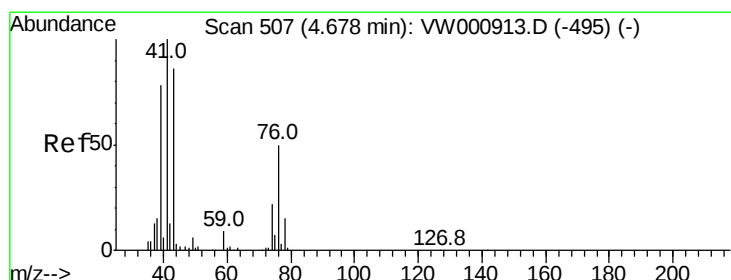
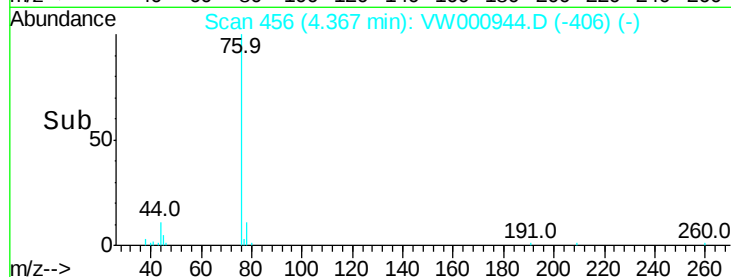
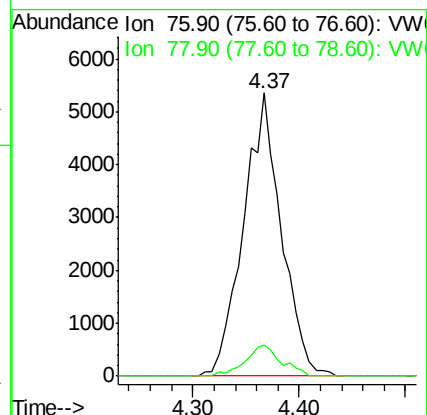
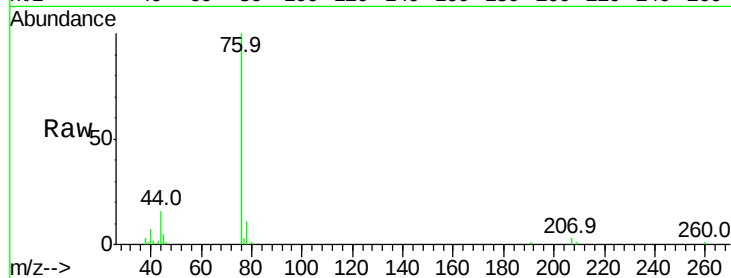
ClientSampleId :

Tot Ion: 76 Resp: 13359

Ion Ratio Lower Upper

76 100

78 11.2 7.4 11.2#



#18

Methyl Acetate

Concen: 2.133 ug/l

RT: 4.68 min Scan# 508

Delta R.T. 0.01 min

Lab File: VW000944.D

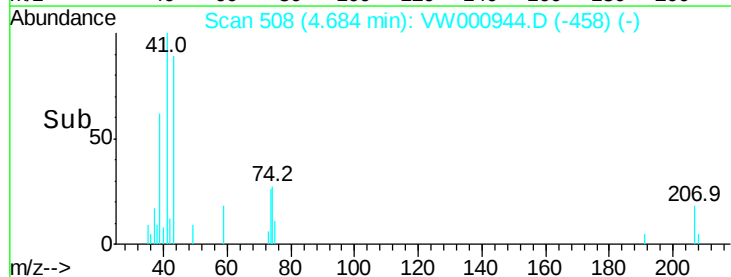
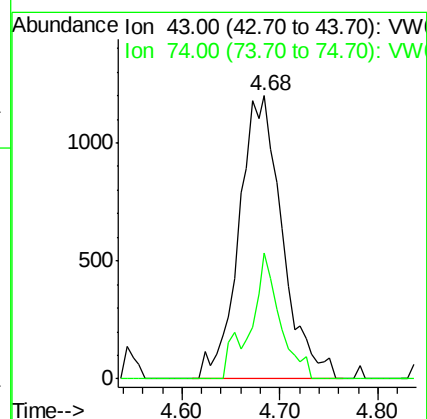
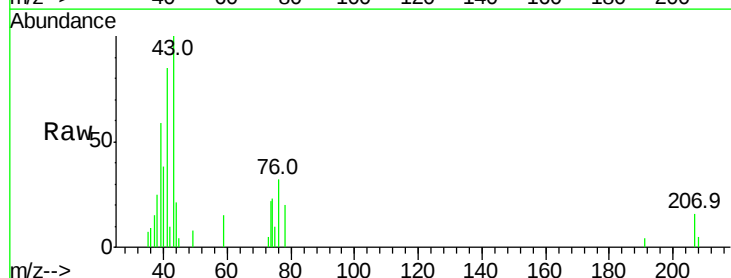
Acq: 24 Jan 2018 13:10

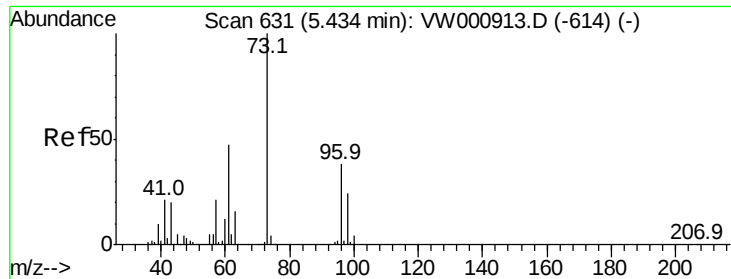
Tgt Ion: 43 Resp: 3690

Ion Ratio Lower Upper

43 100

74 25.8 20.5 30.7

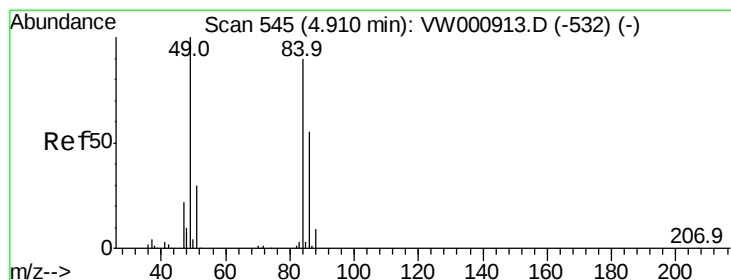
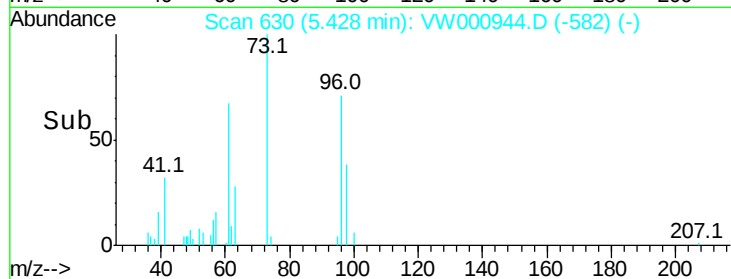
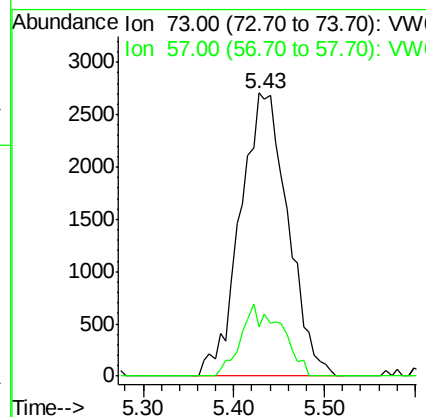
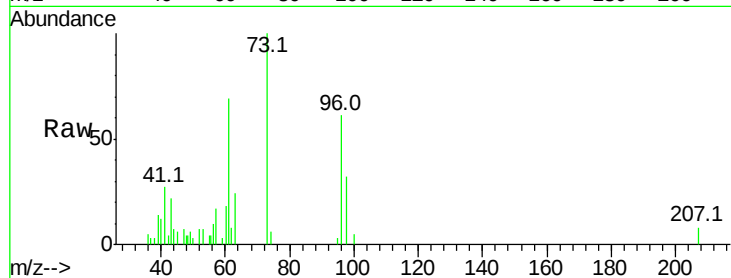




#19
Methyl tert-butyl Ether
Concen: 1.931 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.01 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

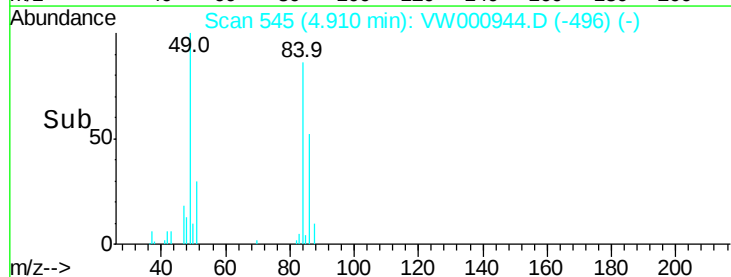
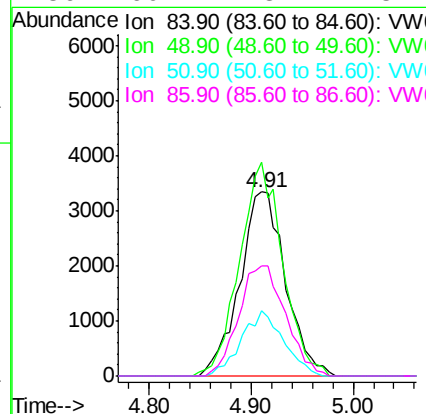
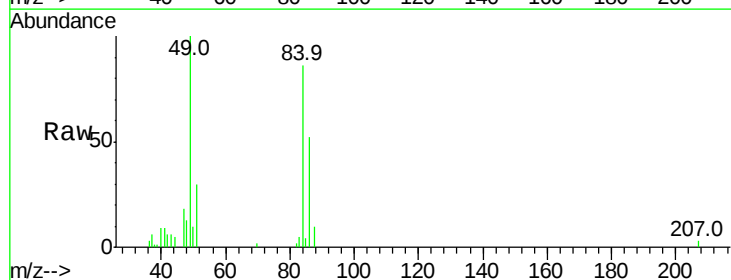
Instrument :
MSVOA_W
ClientSampleId :

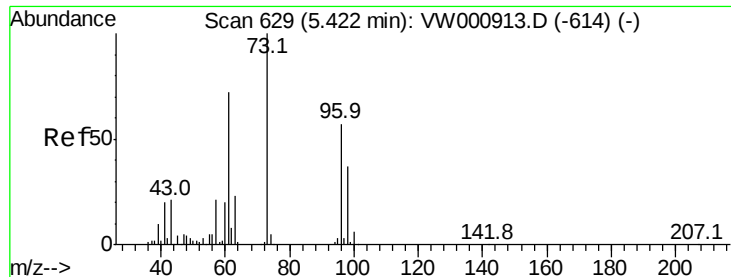
Tot Ion: 73 Resp: 9862
Ion Ratio Lower Upper
73 100
57 17.4 16.7 25.1



#20
Methylene Chloride
Concen: 2.043 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

Tgt Ion: 84 Resp: 10420
Ion Ratio Lower Upper
84 100
49 116.2 89.0 133.4
51 35.2 26.7 40.1
86 60.1 48.7 73.1





#21

trans-1,2-Dichloroethene

Concen: 2.001 ug/l

RT: 5.43 min Scan# 630

Delta R.T. 0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Instrument :

MSVOA_W

ClientSampled :

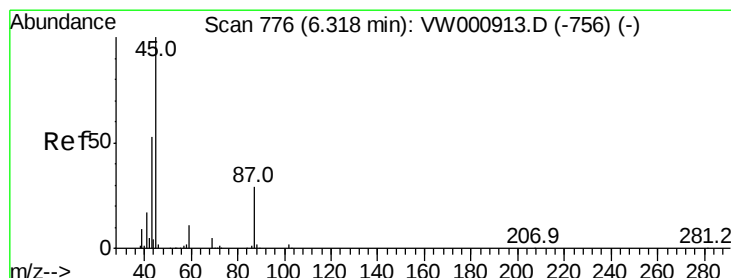
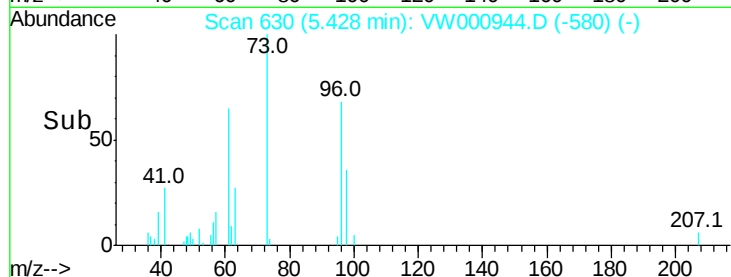
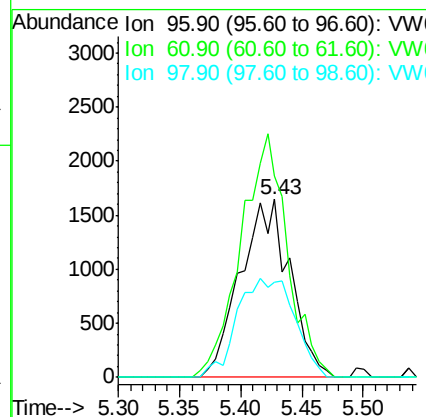
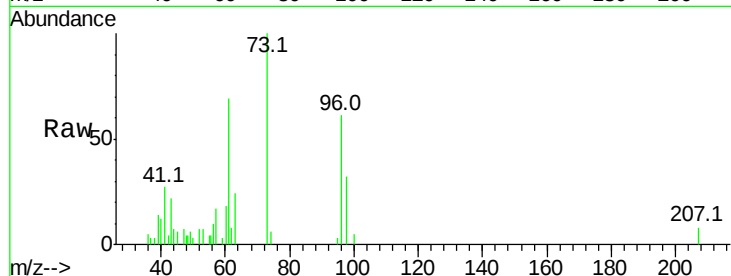
Tot Ion: 96 Resp: 4624

Ion Ratio Lower Upper

96 100

61 113.4 101.1 151.7

98 53.4 52.2 78.2



#22

Diisopropyl ether

Concen: 1.723 ug/l

RT: 6.32 min Scan# 776

Delta R.T. 0.00 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Tgt Ion: 45 Resp: 9559

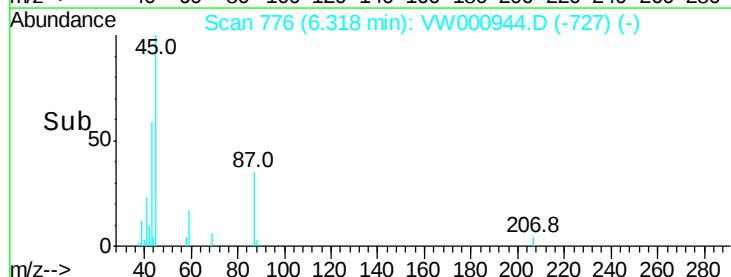
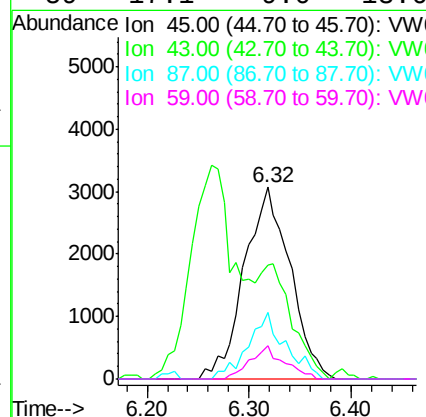
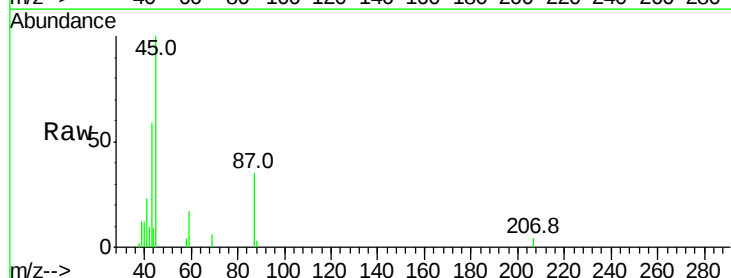
Ion Ratio Lower Upper

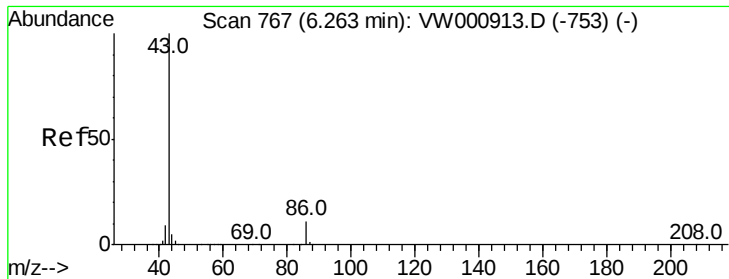
45 100

43 54.0 42.7 64.1

87 35.0 23.8 35.8

59 17.1 9.0 13.6#





#23

Vinyl Acetate

Concen: 3.113 ug/l

RT: 6.26 min Scan# 767

Delta R.T. 0.00 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Instrument :

MSVOA_W

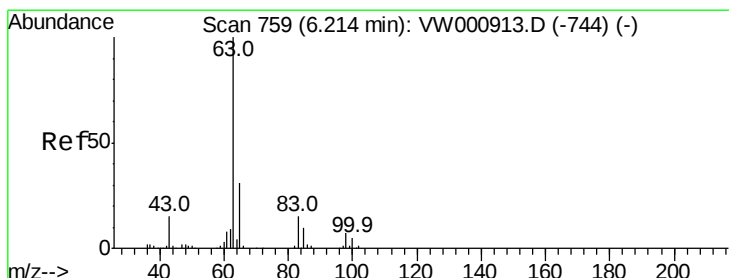
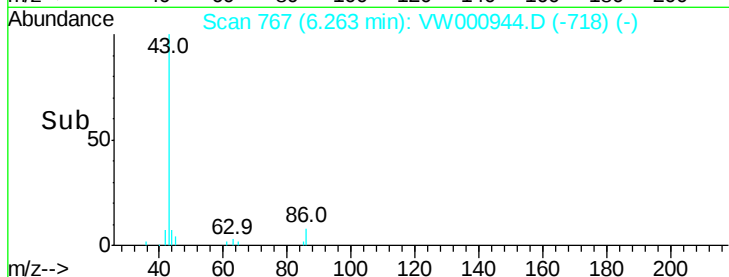
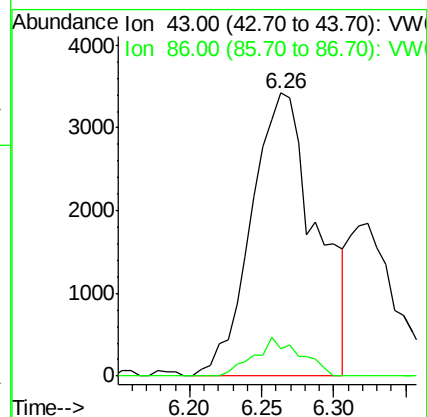
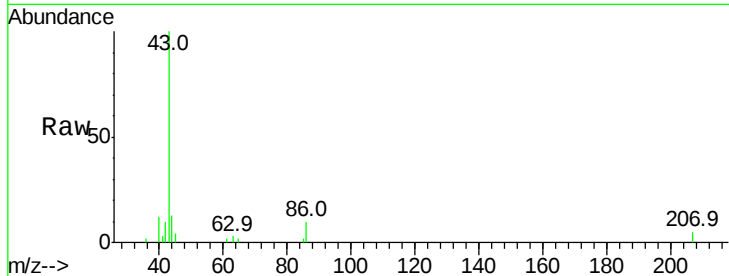
ClientSampleId :

Tot Ion: 43 Resp: 10728

Ion Ratio Lower Upper

43 100

86 9.8 9.1 13.7



#24

1,1-Dichloroethane

Concen: 2.060 ug/l

RT: 6.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

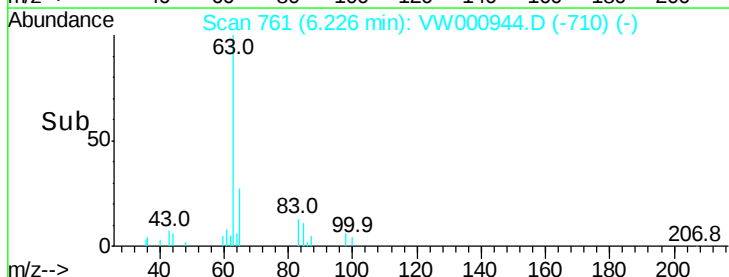
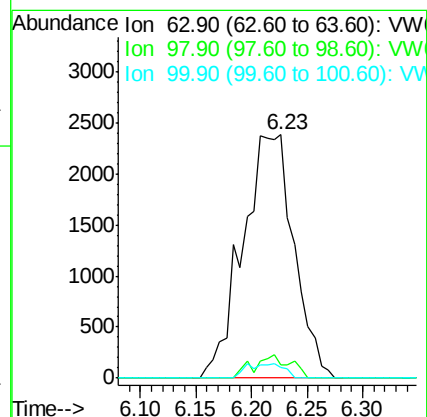
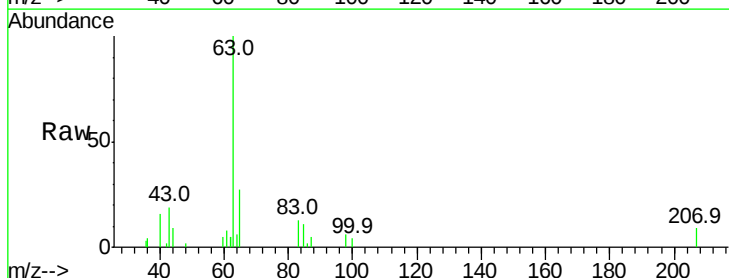
Tgt Ion: 63 Resp: 7647

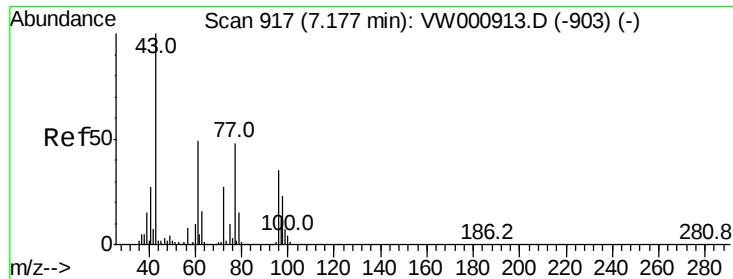
Ion Ratio Lower Upper

63 100

98 5.7 3.6 10.8

100 4.4 2.5 7.4





#25

2-Butanone

Concen: 9.877 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Instrument :

MSVOA_W

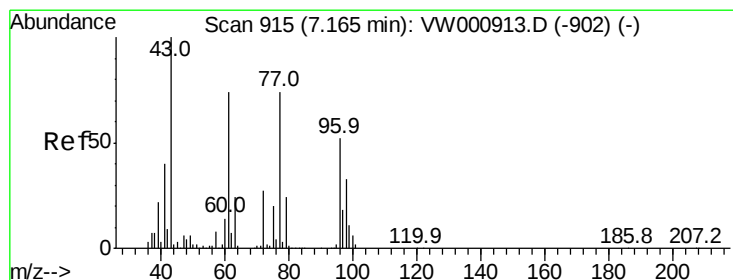
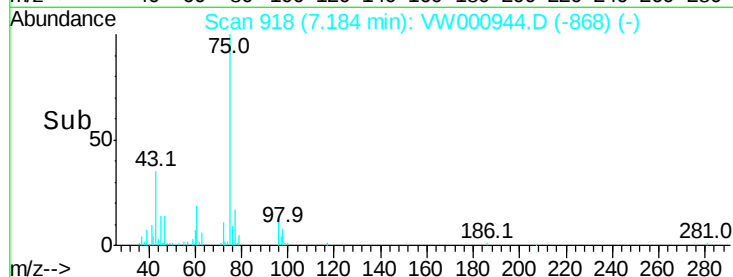
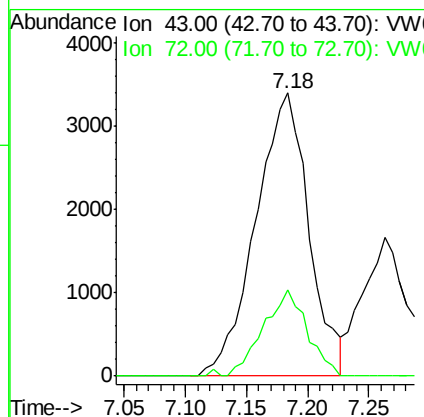
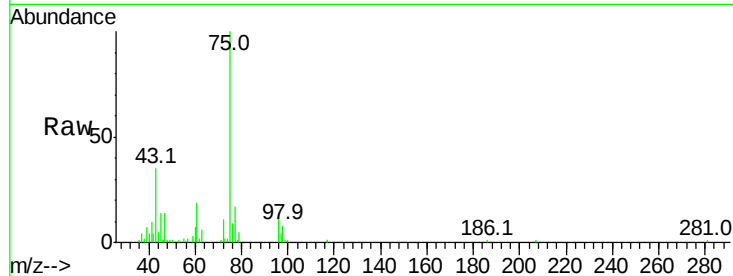
ClientSampleId :

Tot Ion: 43 Resp: 10277

Ion Ratio Lower Upper

43 100

72 30.4 21.5 32.3



#26

2,2-Dichloropropane

Concen: 2.629 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW000944.D

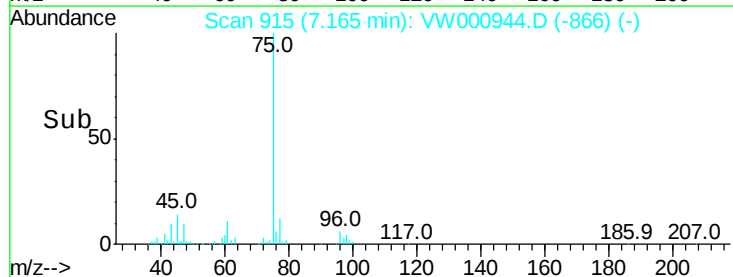
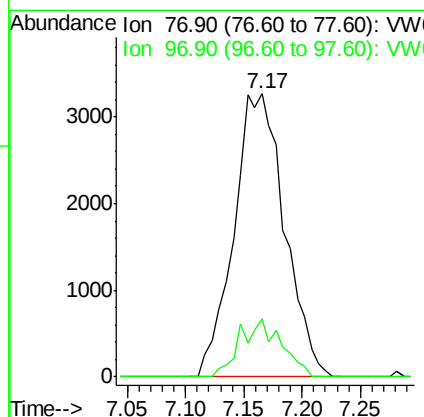
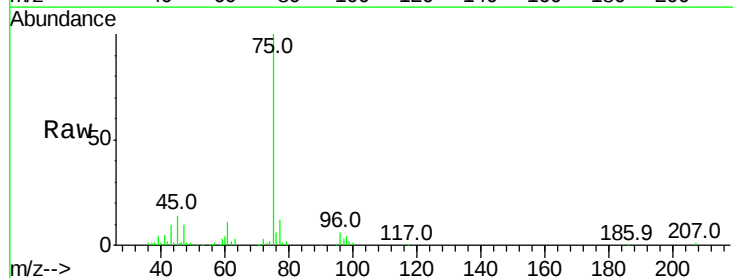
Acq: 24 Jan 2018 13:10

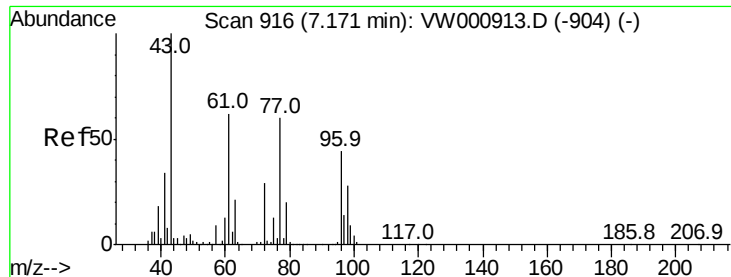
Tgt Ion: 77 Resp: 9880

Ion Ratio Lower Upper

77 100

97 16.7 11.8 35.3



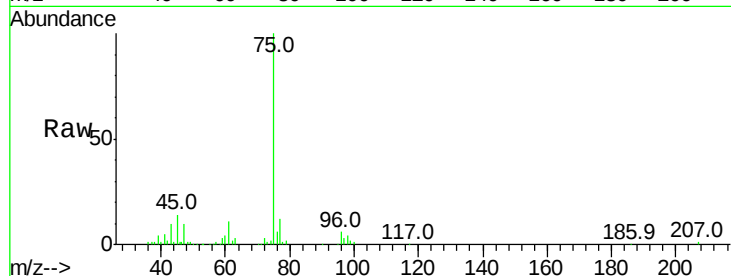


#27

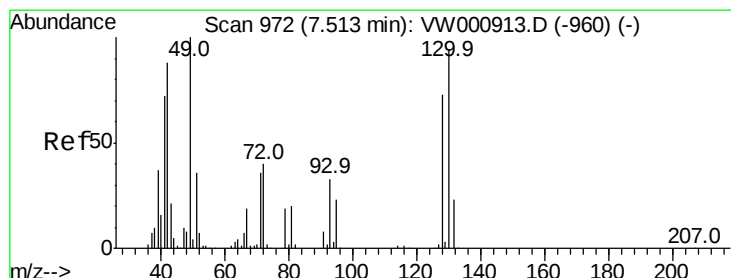
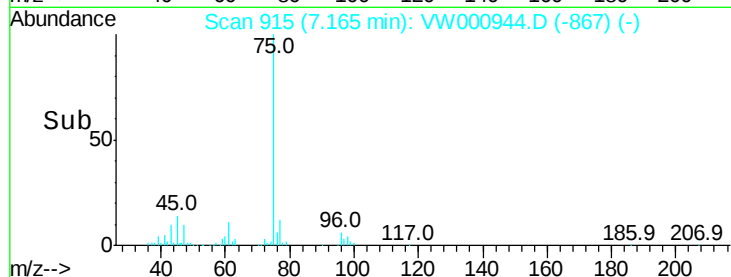
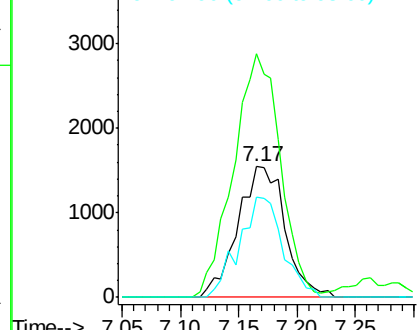
cis-1,2-Dichloroethene
Concen: 1.833 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	96	Resp	4376
Ion	Ratio	Lower	Upper
96	100		
61	184.6	0.0	279.8
98	70.5	0.0	127.6



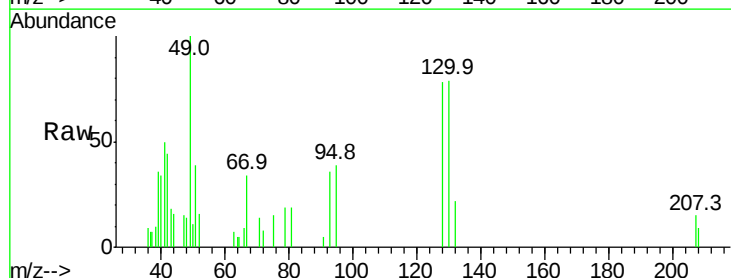
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



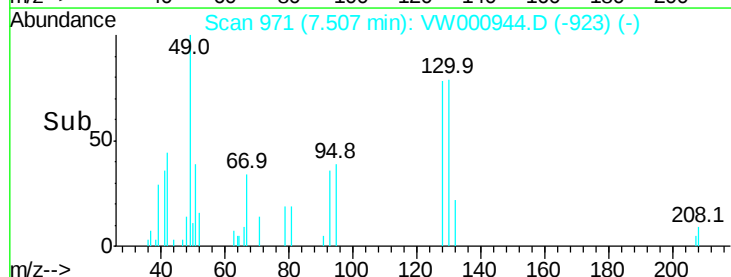
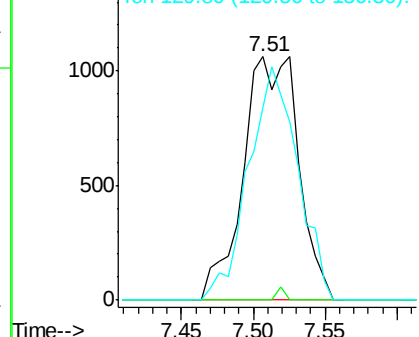
#28

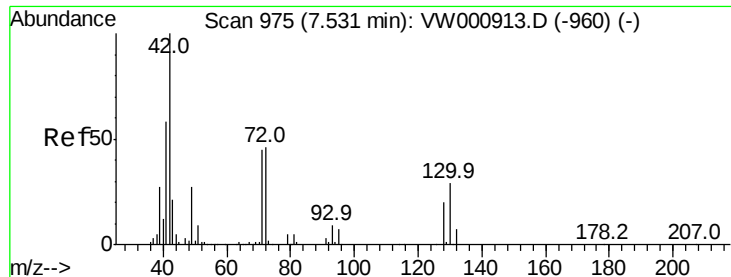
Bromochloromethane
Concen: 1.810 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

Tgt Ion	49	Resp	2823
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.8
130	85.5	73.8	110.6



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

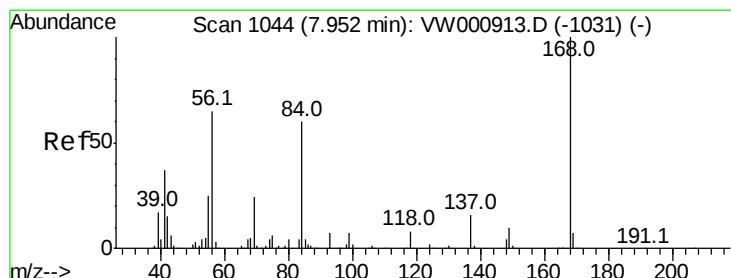
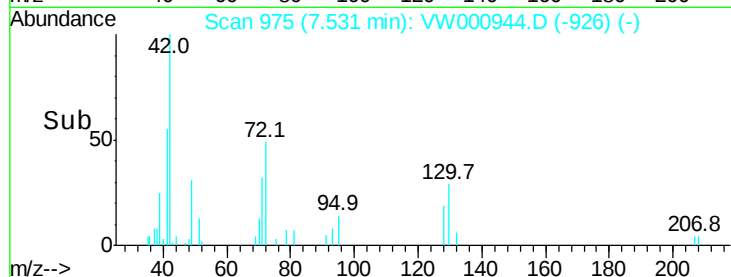
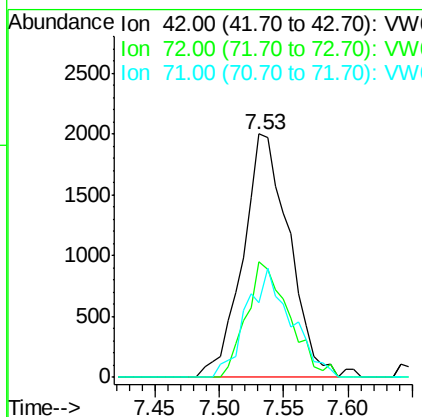
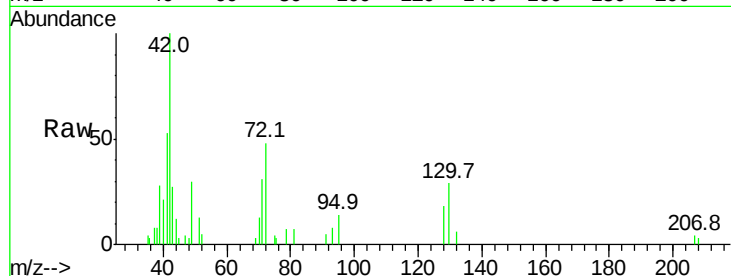




#29
Tetrahydrofuran
Concen: 8.669 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.00 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

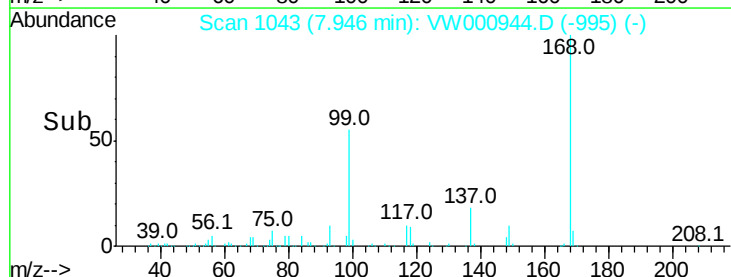
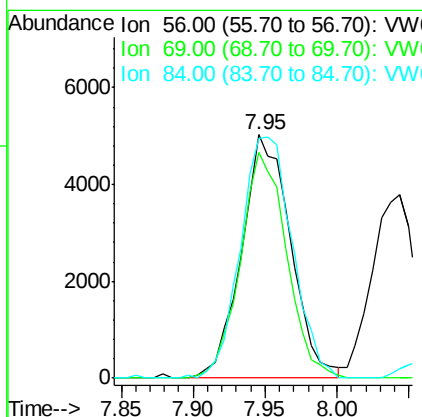
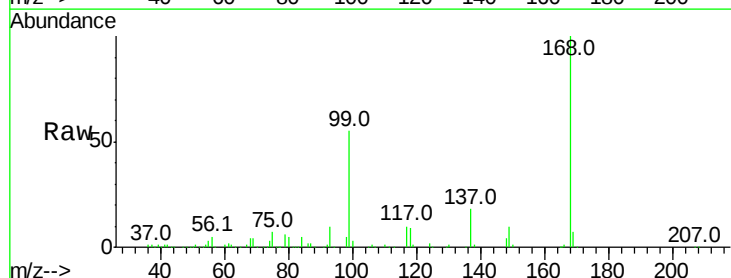
Instrument :
MSVOA_W
ClientSampled :

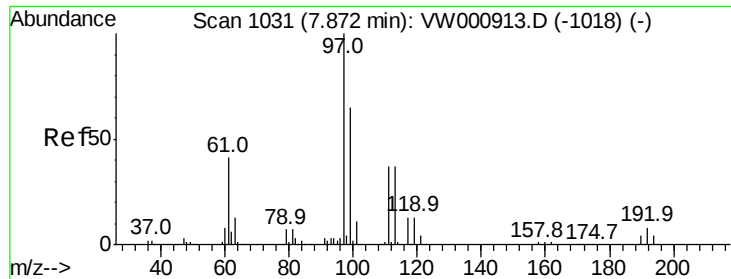
Tot Ion: 42 Resp: 4963
Ion Ratio Lower Upper
42 100
72 43.8 37.1 55.7
71 43.8 34.9 52.3



#31
Cyclohexane
Concen: 3.089 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

Tgt Ion: 56 Resp: 11842
Ion Ratio Lower Upper
56 100
69 92.8 29.2 43.8#
84 98.4 73.6 110.4





#32

1,1,1-Trichloroethane

Concen: 2.013 ug/l

RT: 7.87 min Scan# 1030

Delta R.T. -0.01 min

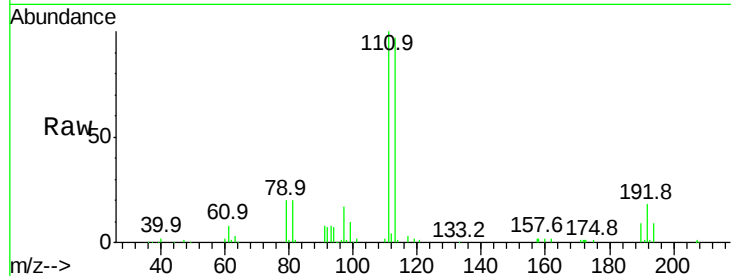
Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 97 Resp: 7791

Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.6	78.8
61	42.3	32.9	49.3

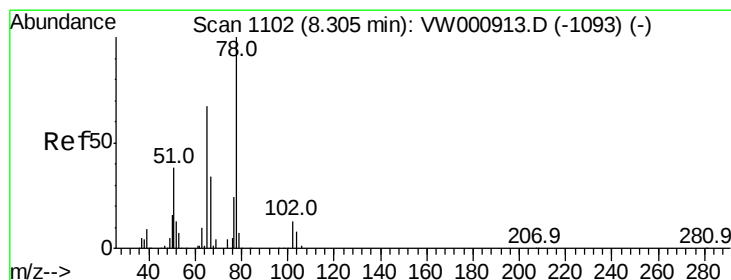
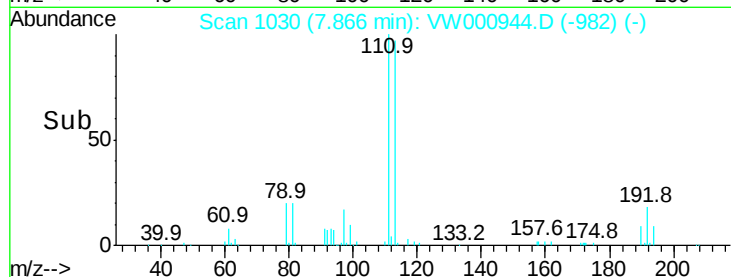
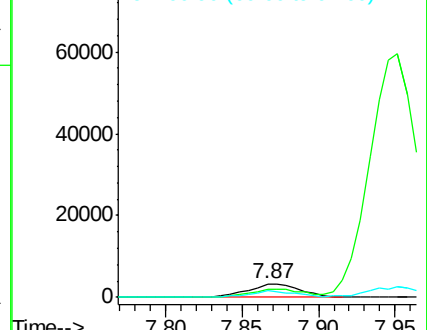


Abundance

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: 50.670 ug/l

RT: 8.31 min Scan# 1103

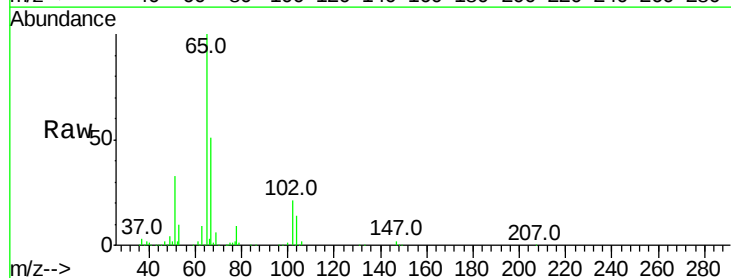
Delta R.T. 0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Tgt Ion: 65 Resp: 119171

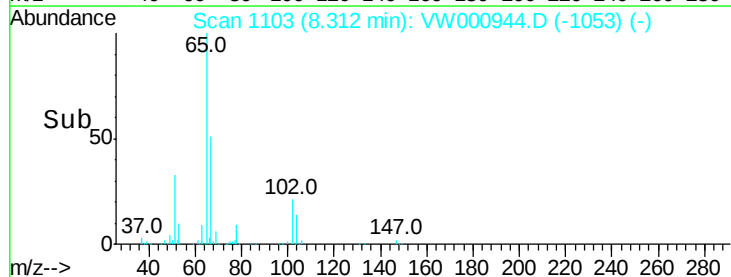
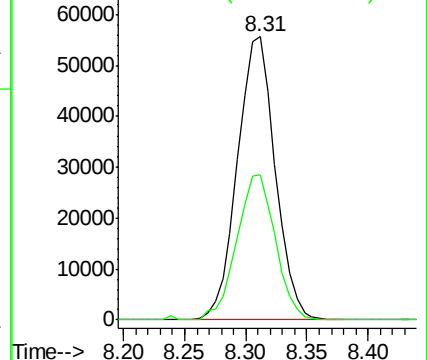
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	105.8

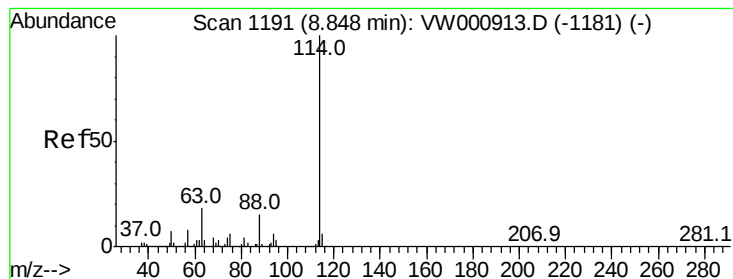


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Instrument :

MSVOA_W

ClientSampleId :

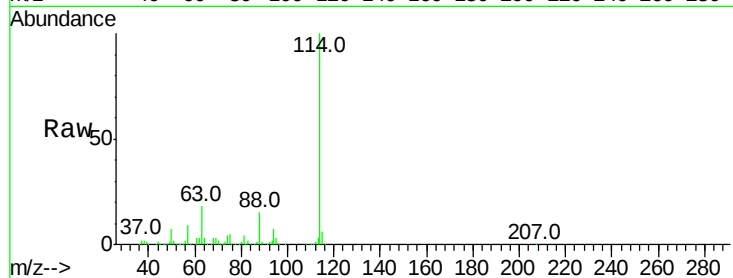
Tot Ion:114 Resp: 359900

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.8

88 14.7 0.0 29.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

250000

200000

150000

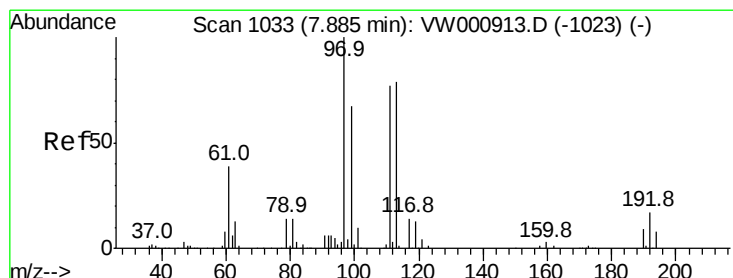
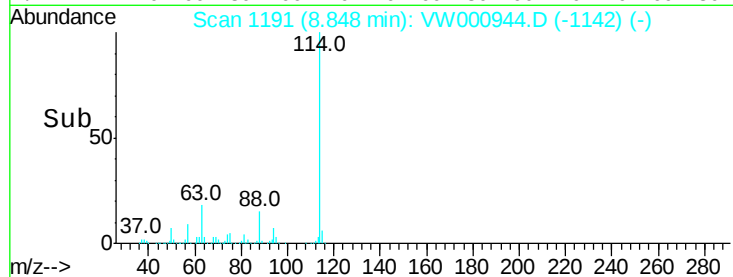
100000

50000

0

8.80 8.85 8.90

Time-->



#35

Dibromofluoromethane

Concen: 43.623 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

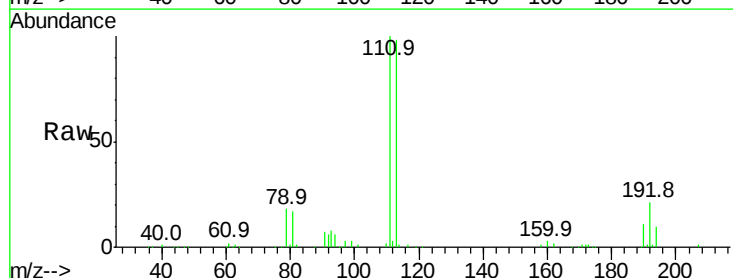
Tgt Ion:113 Resp: 96179

Ion Ratio Lower Upper

113 100

111 103.4 80.4 120.6

192 21.7 17.0 25.4



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

50000

40000

30000

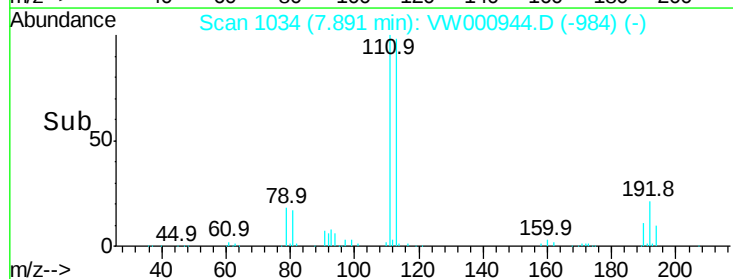
20000

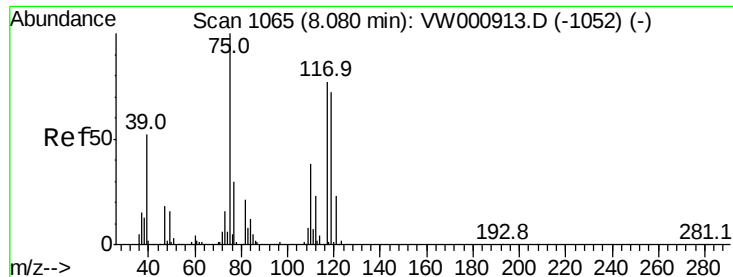
10000

0

7.80 7.89 8.00

Time-->

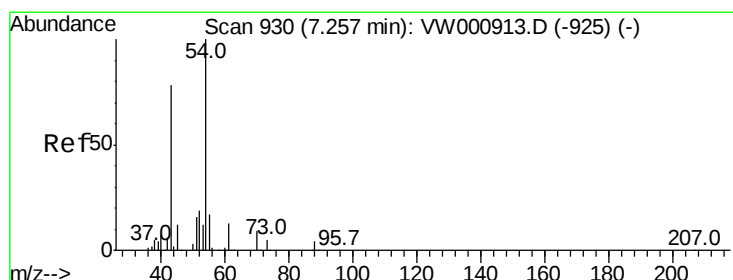
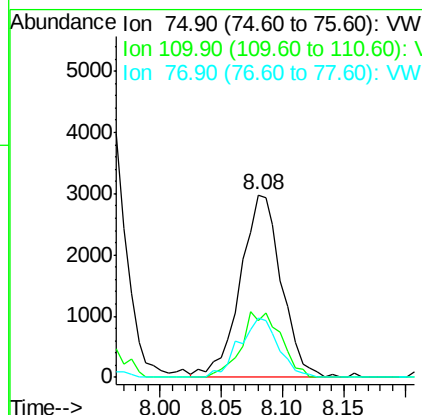
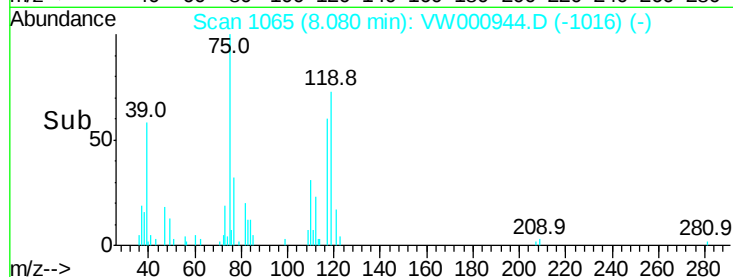
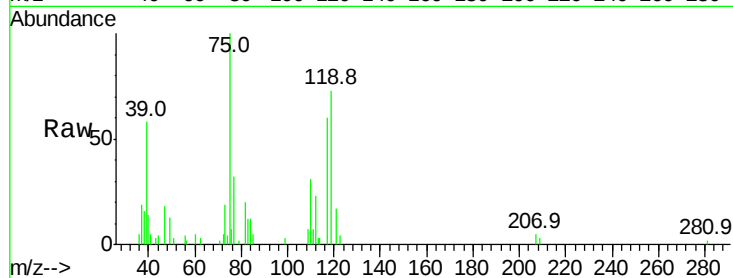




#36
 1,1-Dichloropropene
 Concen: 2.023 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW000944.D
 Acq: 24 Jan 2018 13:10

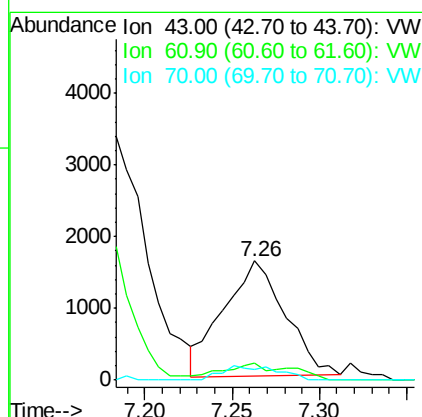
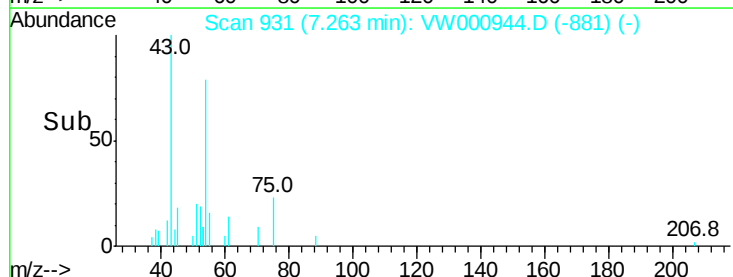
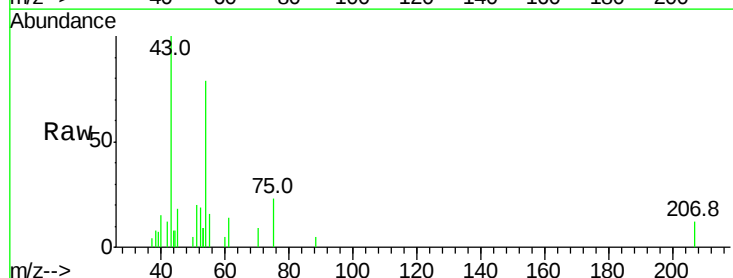
Instrument :
 MSVOA_W
 ClientSampled :

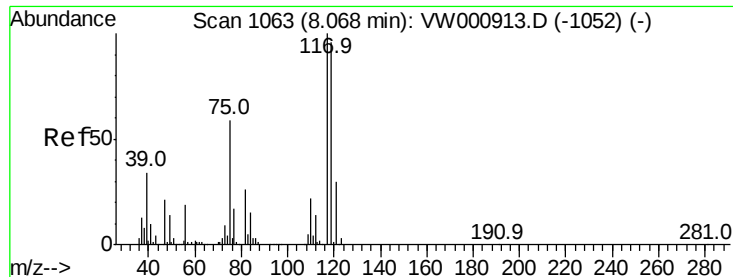
Tot Ion: 75 Resp: 6947
 Ion Ratio Lower Upper
 75 100
 110 34.8 18.6 56.0
 77 31.2 24.6 36.8



#37
 Ethyl Acetate
 Concen: 2.008 ug/l
 RT: 7.26 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: VW000944.D
 Acq: 24 Jan 2018 13:10

Tgt Ion: 43 Resp: 3892
 Ion Ratio Lower Upper
 43 100
 61 7.1 12.1 18.1#
 70 11.1 9.1 13.7





#38

Carbon Tetrachloride

Concen: 1.739 ug/l

RT: 8.06 min Scan# 1062

Delta R.T. -0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

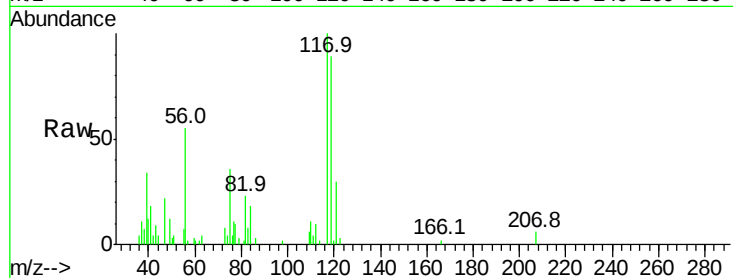
Instrument :

MSVOA_W

ClientSampled :

Tot Ion:117 Resp: 6588

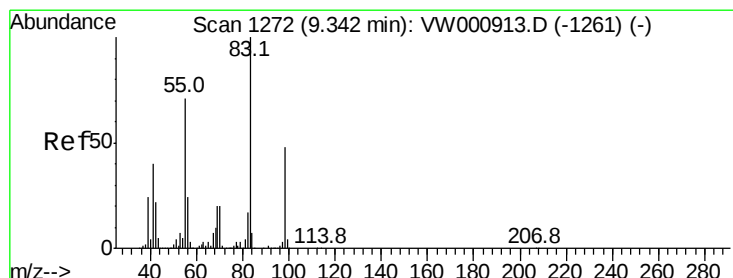
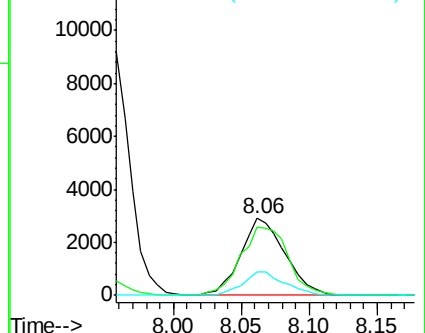
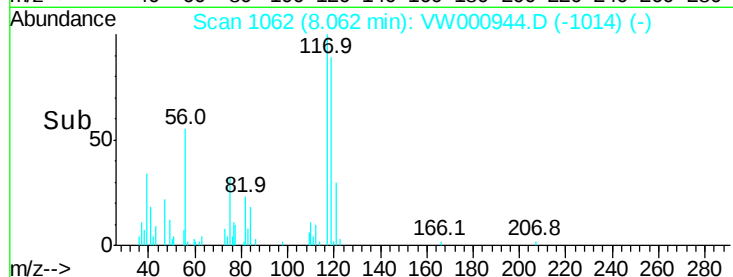
Ion	Ratio	Lower	Upper
117	100		
119	89.4	76.5	114.7
121	30.2	24.3	36.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 1.846 ug/l

RT: 9.34 min Scan# 1272

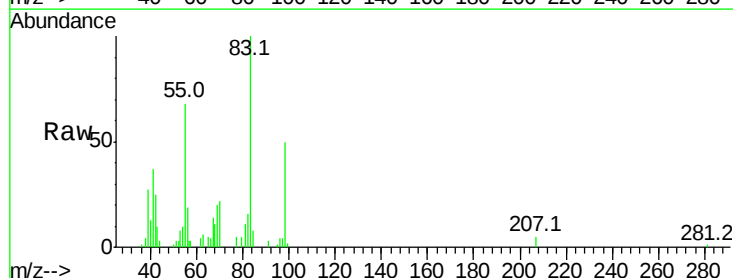
Delta R.T. 0.00 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Tgt Ion: 83 Resp: 7635

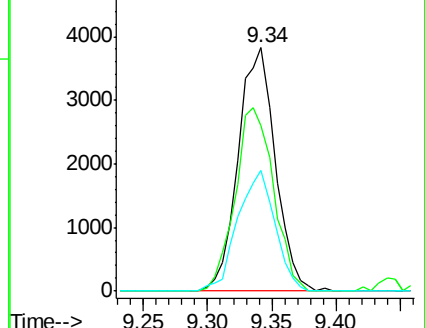
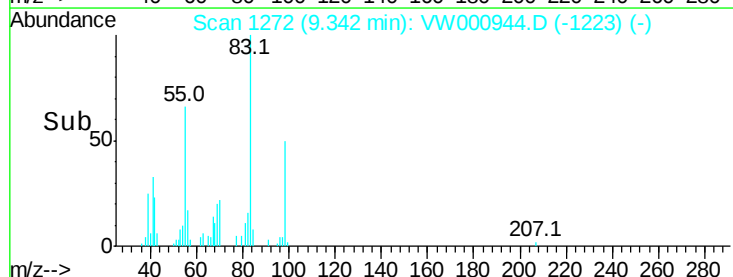
Ion	Ratio	Lower	Upper
83	100		
55	68.0	56.4	84.6
98	49.6	38.2	57.4

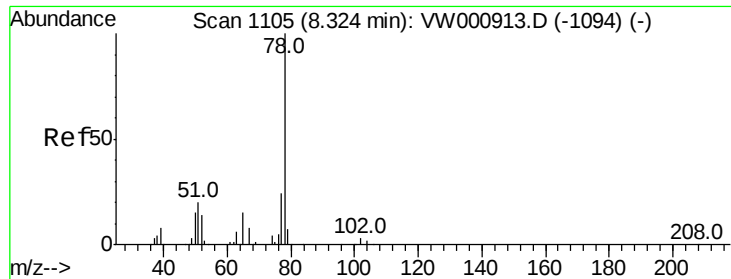


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 1.954 ug/l

RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

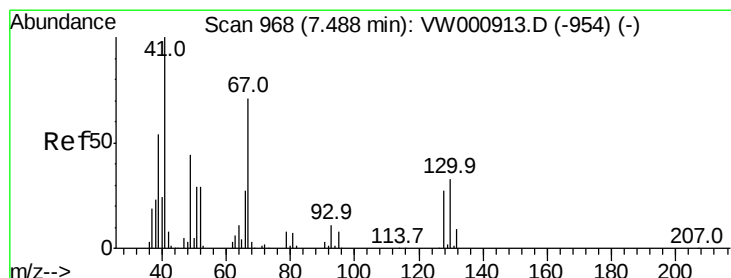
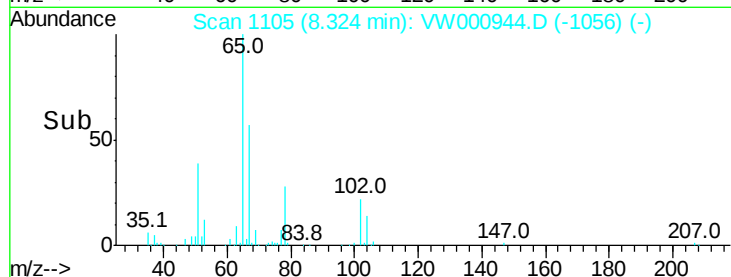
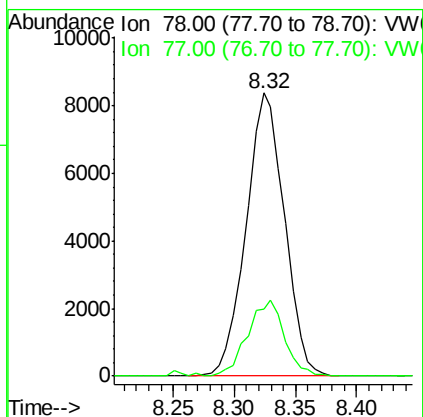
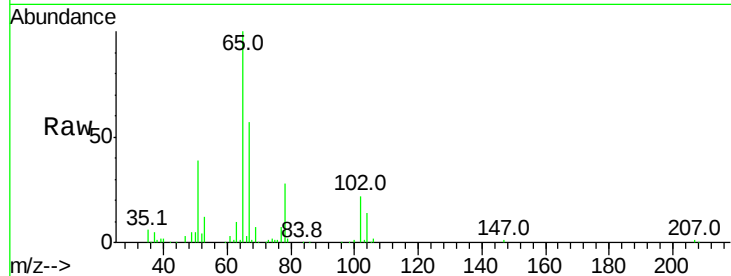
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 78 Resp: 18249

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6



#41

Methacrylonitrile

Concen: 1.630 ug/l

RT: 7.49 min Scan# 968

Delta R.T. 0.00 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Tgt Ion: 41 Resp: 1773

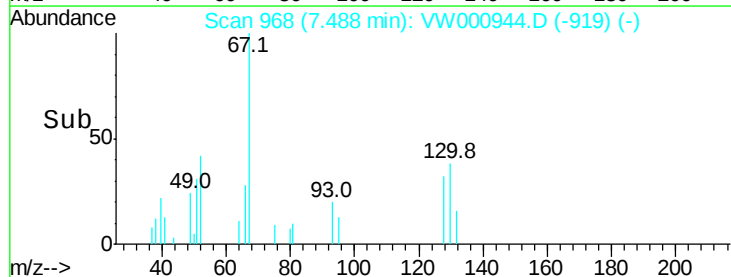
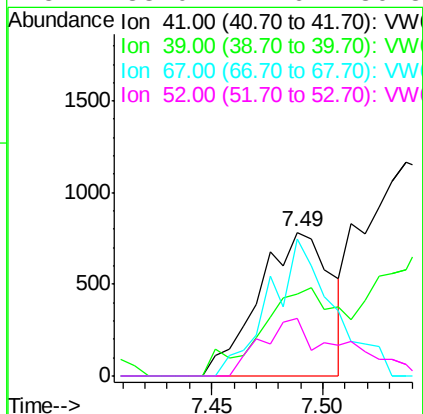
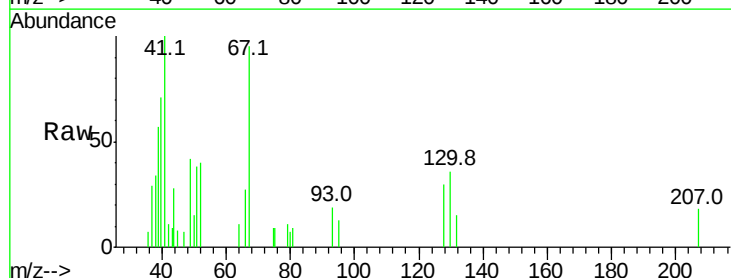
Ion Ratio Lower Upper

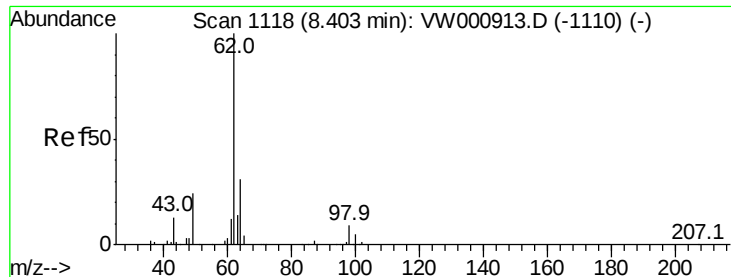
41 100

39 67.7 43.4 65.0#

67 83.9 59.0 88.4

52 33.0 24.6 36.8





#42

1,2-Dichloroethane

Concen: 1.957 ug/l

RT: 8.41 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Instrument :

MSVOA_W

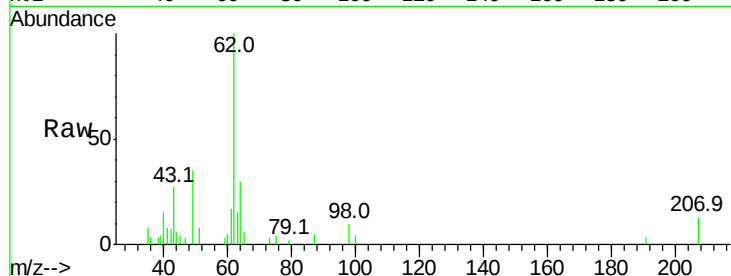
ClientSampleId :

Tot Ion: 62 Resp: 5631

Ion Ratio Lower Upper

62 100

98 9.2 0.0 18.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

8.41

2500

2000

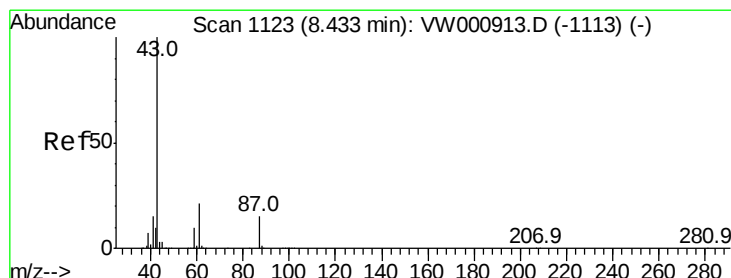
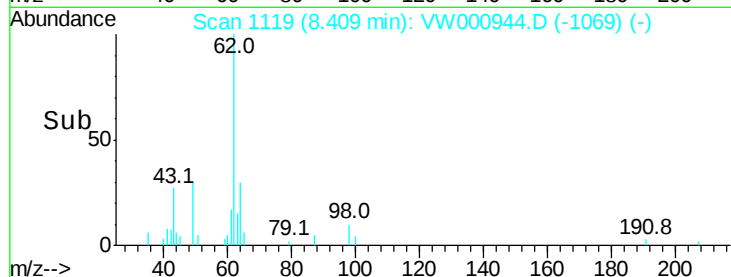
1500

1000

500

0

Time--> 8.30 8.35 8.40 8.45



#43

Isopropyl Acetate

Concen: 1.786 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

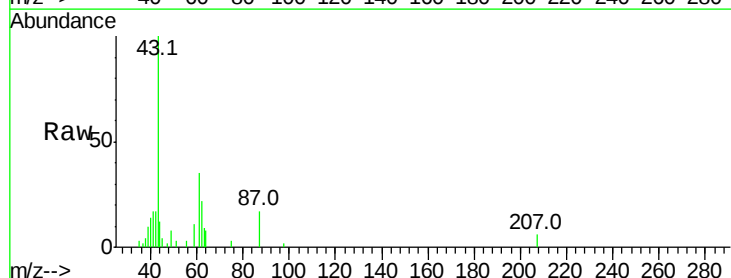
Tgt Ion: 43 Resp: 5870

Ion Ratio Lower Upper

43 100

61 31.7 23.6 35.4

87 16.3 11.7 17.5



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

8.43

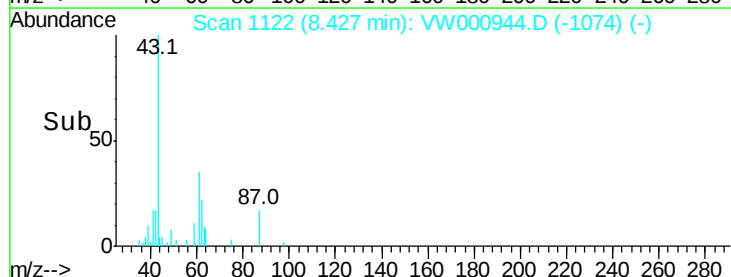
3000

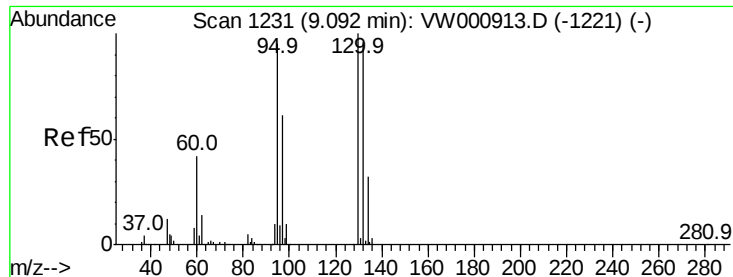
2000

1000

0

Time--> 8.35 8.40 8.45 8.50





#44

Trichloroethene

Concen: 2.100 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Instrument :

MSVOA_W

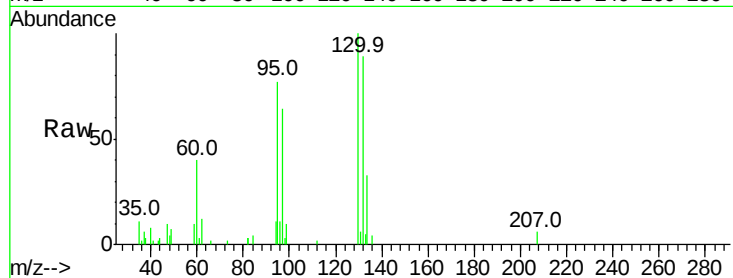
ClientSampleId :

Tot Ion:130 Resp: 5827

Ion Ratio Lower Upper

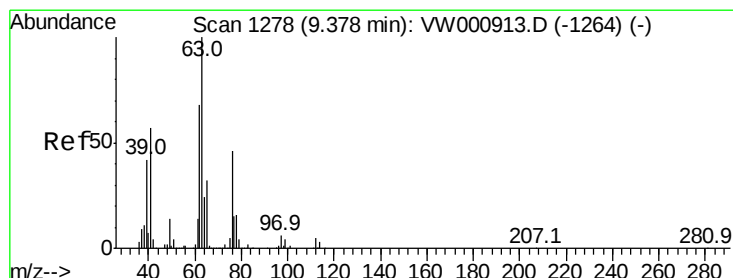
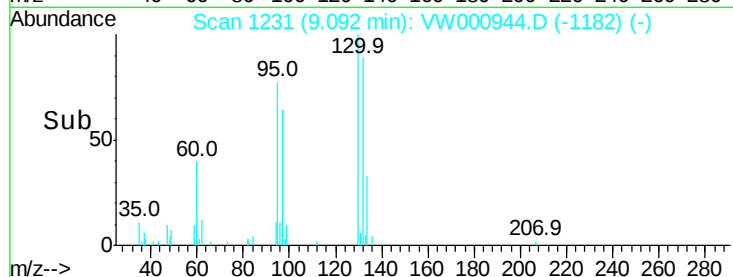
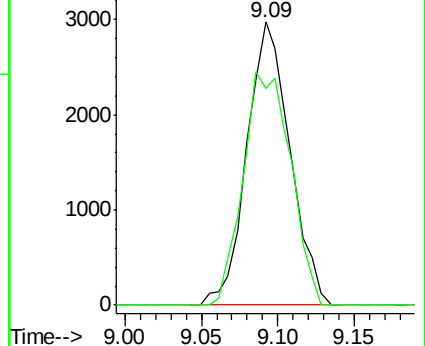
130 100

95 76.7 0.0 190.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW



#45

1,2-Dichloropropane

Concen: 2.003 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VW000944.D

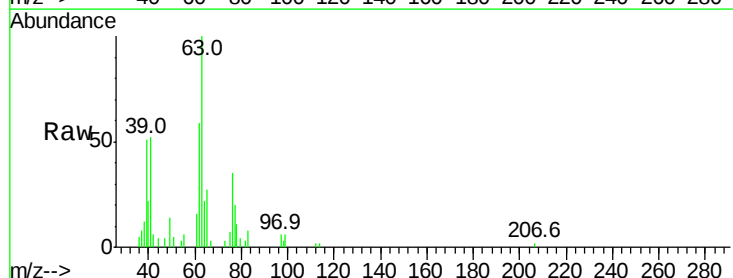
Acq: 24 Jan 2018 13:10

Tgt Ion: 63 Resp: 4363

Ion Ratio Lower Upper

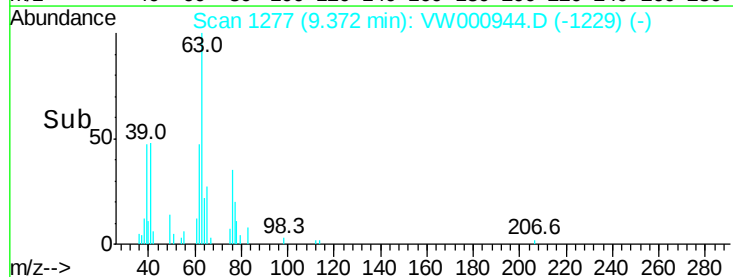
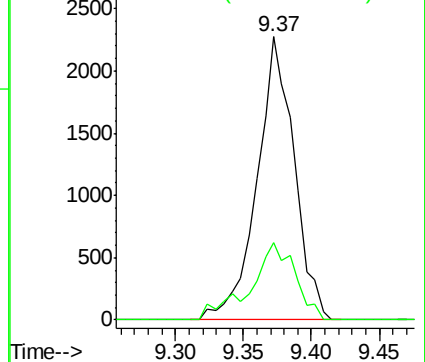
63 100

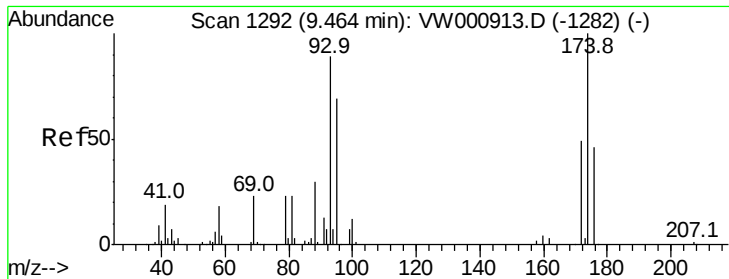
65 27.4 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

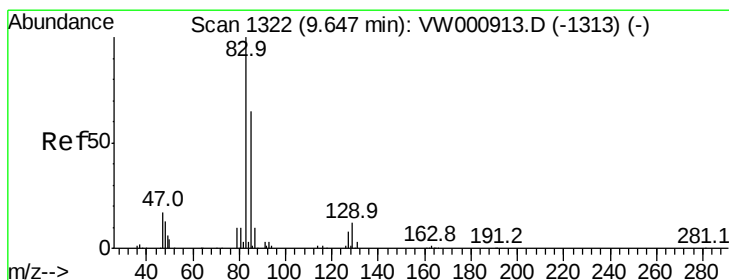
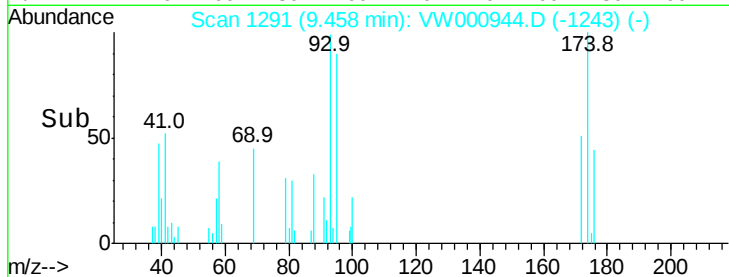
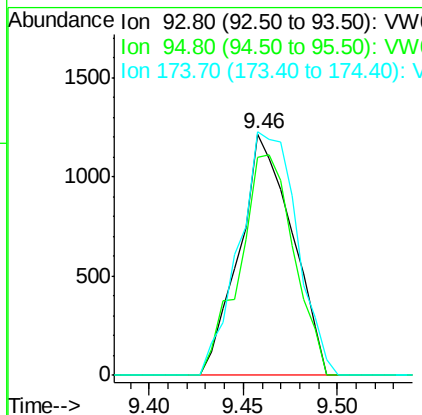
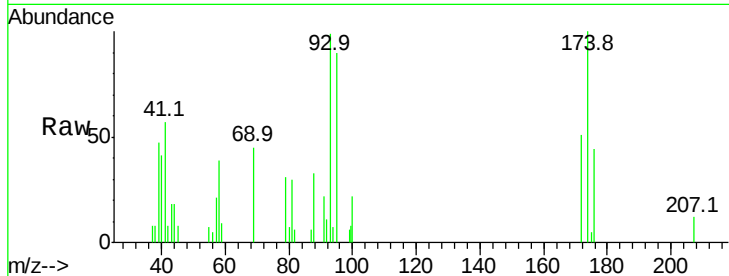




#46
Dibromomethane
Concen: 1.700 ug/l
RT: 9.46 min Scan# 1291
Delta R.T. -0.01 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

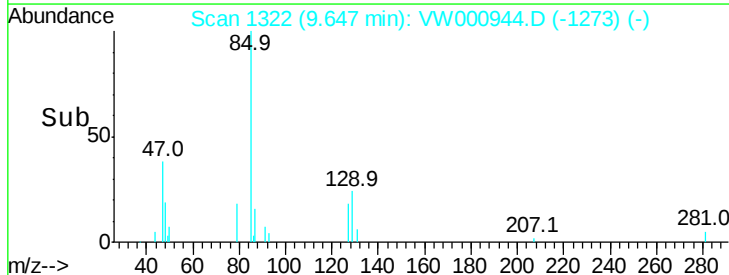
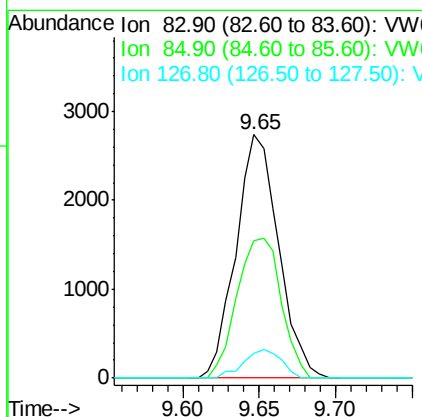
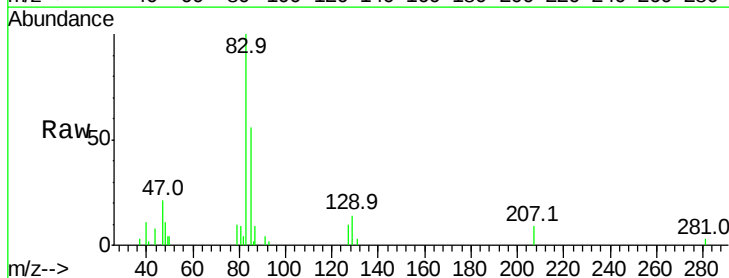
Instrument :
MSVOA_W
ClientSampleId :

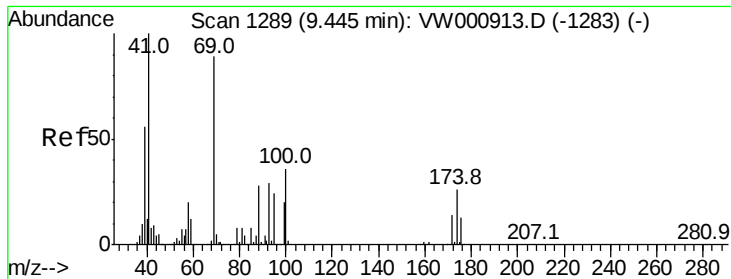
Tot Ion: 93 Resp: 2366
Ion Ratio Lower Upper
93 100
95 93.4 65.8 98.6
174 110.1 89.0 133.6



#47
Bromodichloromethane
Concen: 1.721 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

Tgt Ion: 83 Resp: 5298
Ion Ratio Lower Upper
83 100
85 56.2 52.0 78.0
127 10.0 6.8 10.2

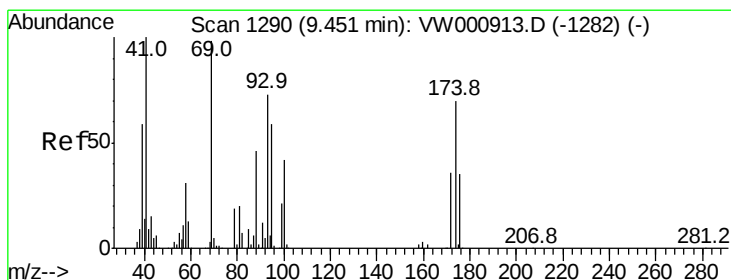
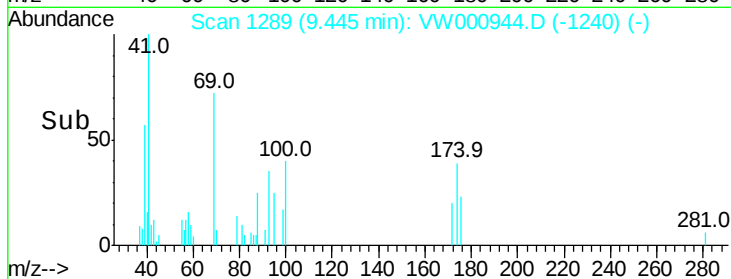
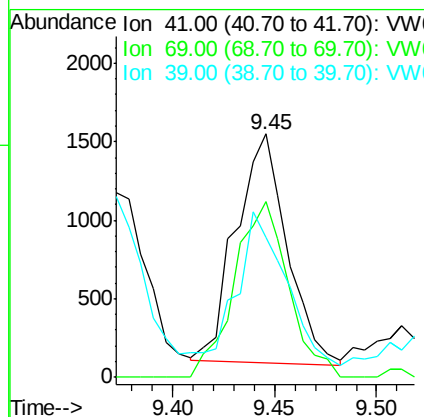
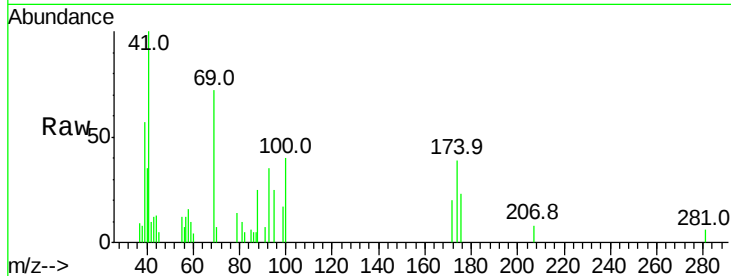




#48
Methvl methacrylate
Concen: 1.609 ug/l
RT: 9.45 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

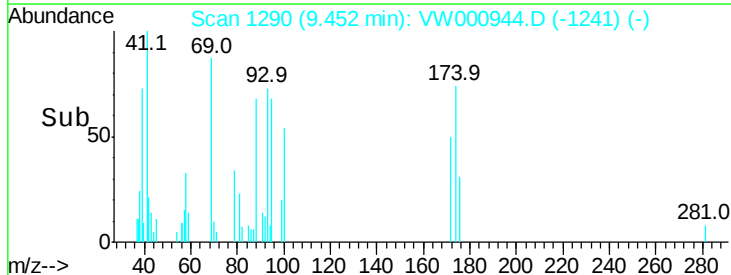
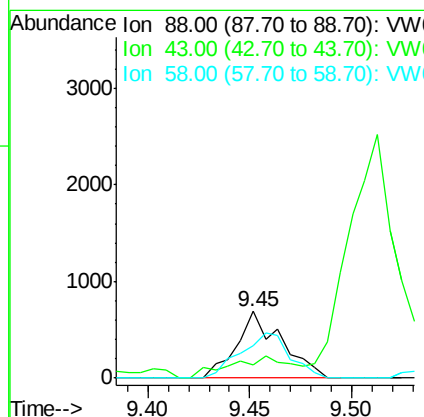
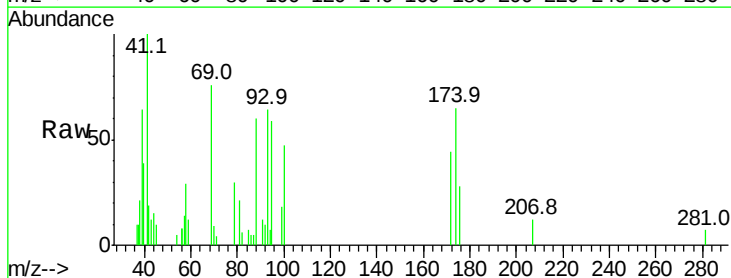
Instrument :
MSVOA_W
ClientSampled :

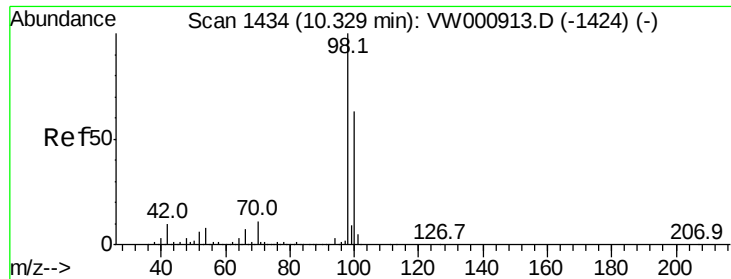
Tot Ion: 41 Resp: 2540
Ion Ratio Lower Upper
41 100
69 80.6 72.9 109.3
39 74.6 48.4 72.6#



#49
1,4-Dioxane
Concen: 34.779 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

Tgt Ion: 88 Resp: 1058
Ion Ratio Lower Upper
88 100
43 44.4 24.5 36.7#
58 75.1 54.7 82.1

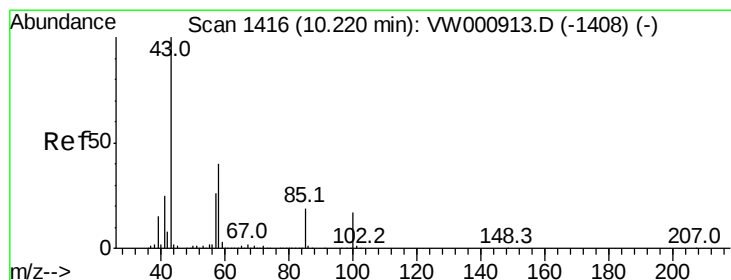
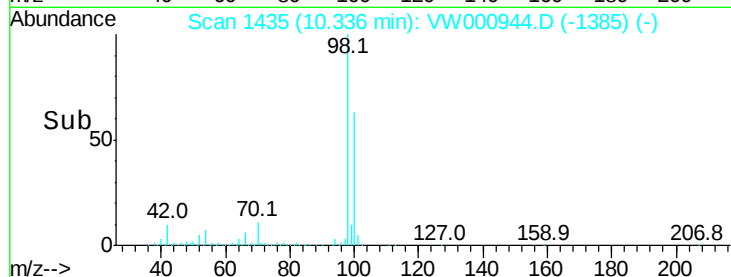
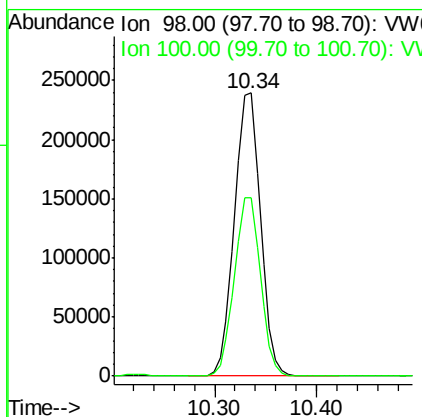
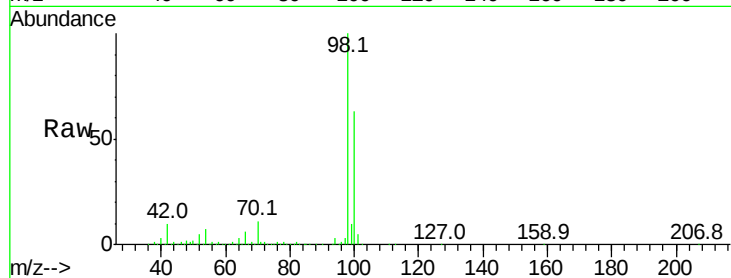




#50
Toluene-d8
Concen: 48.864 ug/l
RT: 10.34 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

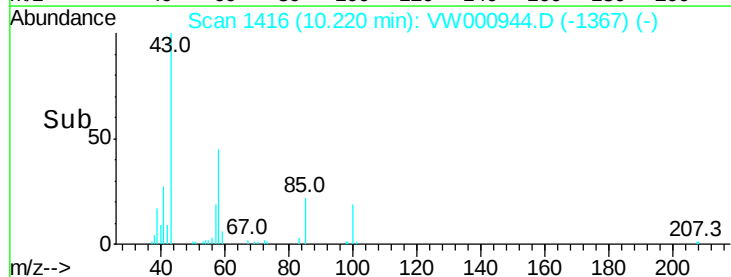
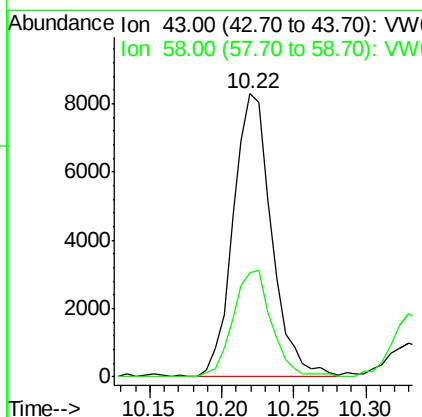
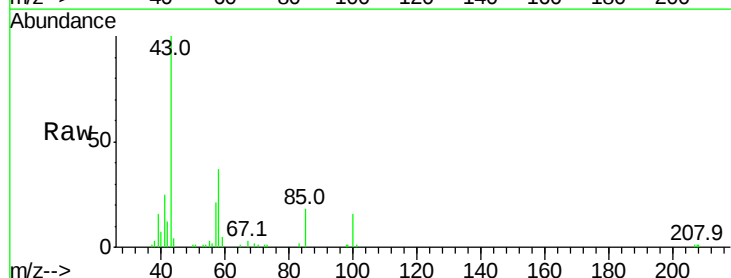
Instrument :
MSVOA_W
ClientSampled :

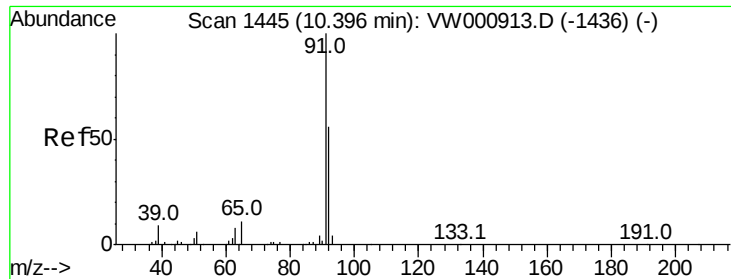
Tot Ion: 98 Resp: 424722
Ion Ratio Lower Upper
98 100
100 62.9 50.8 76.2



#51
4-Methyl-2-Pentanone
Concen: 8.154 ug/l
RT: 10.22 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

Tgt Ion: 43 Resp: 15418
Ion Ratio Lower Upper
43 100
58 37.9 32.0 48.0





#52

Toluene

Concen: 1.957 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Instrument :

MSVOA_W

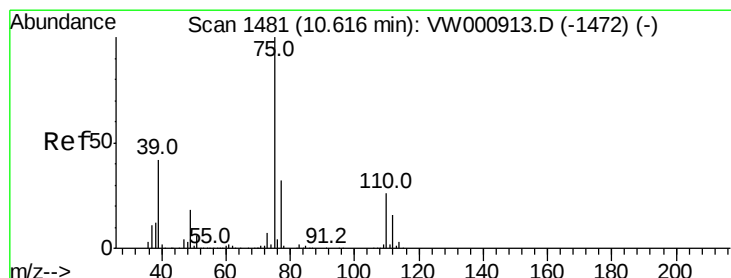
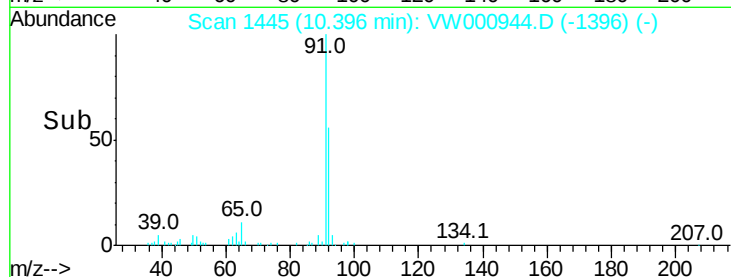
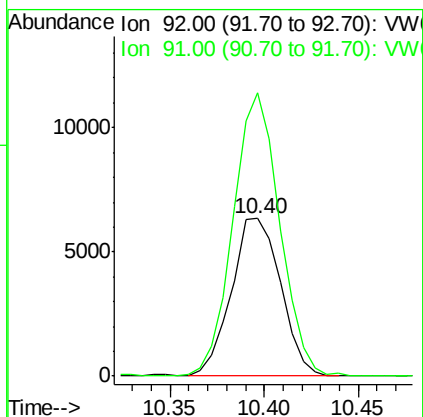
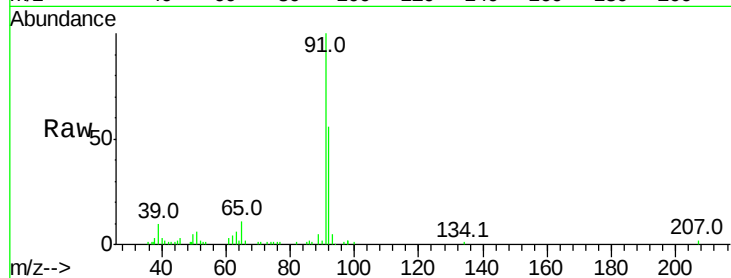
ClientSampled :

Tot Ion: 92 Resp: 11541

Ion Ratio Lower Upper

92 100

91 169.3 140.7 211.1



#53

t-1,3-Dichloropropene

Concen: 1.699 ug/l

RT: 10.62 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW000944.D

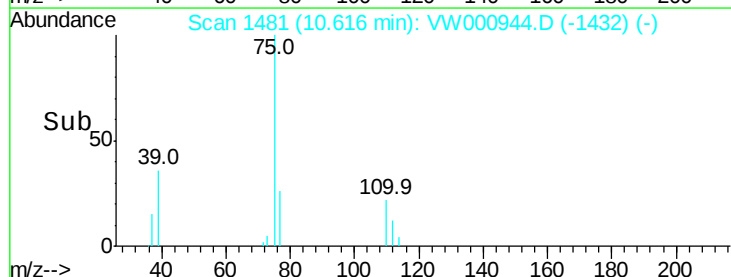
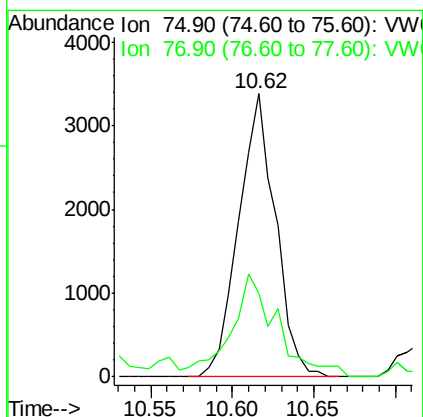
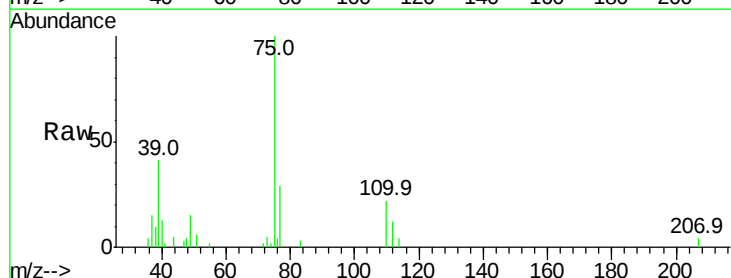
Acq: 24 Jan 2018 13:10

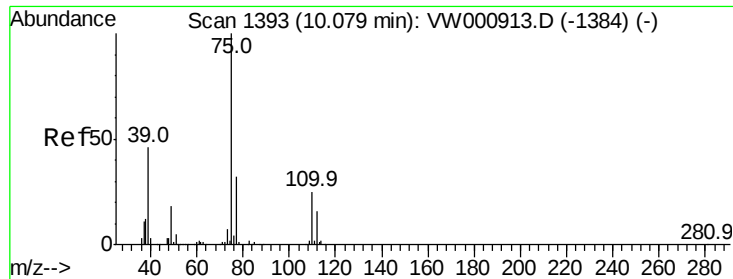
Tgt Ion: 75 Resp: 5299

Ion Ratio Lower Upper

75 100

77 26.2 25.7 38.5





#54

cis-1,3-Dichloropropene

Concen: 1.661 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Instrument :

MSVOA_W

ClientSampleId :

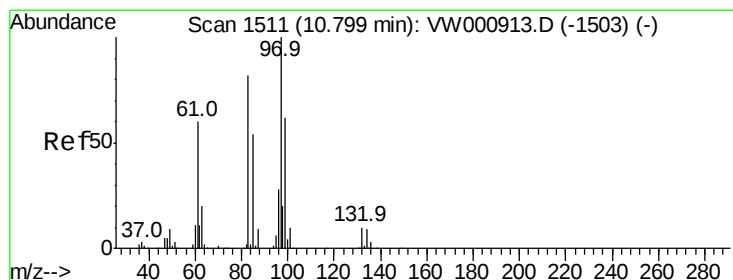
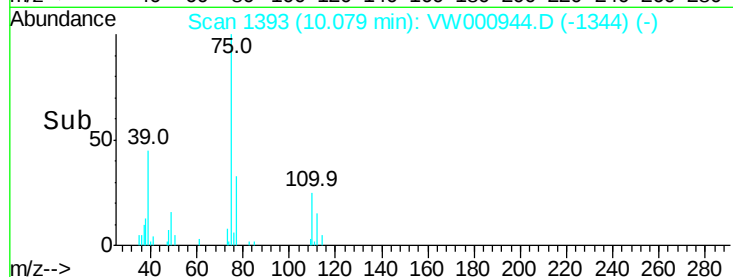
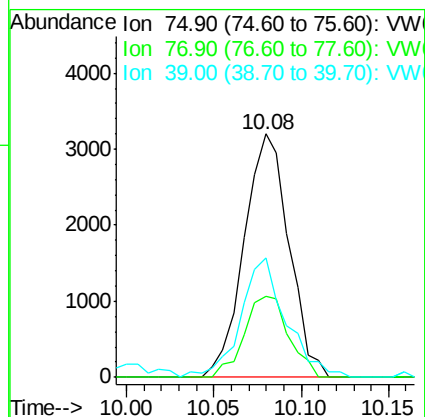
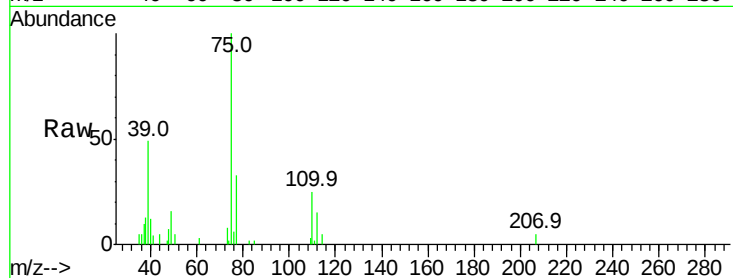
Tot Ion: 75 Resp: 5699

Ion Ratio Lower Upper

75 100

77 33.1 25.3 37.9

39 46.7 37.0 55.6



#55

1,1,2-Trichloroethane

Concen: 2.002 ug/l

RT: 10.80 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Tgt Ion: 97 Resp: 3891

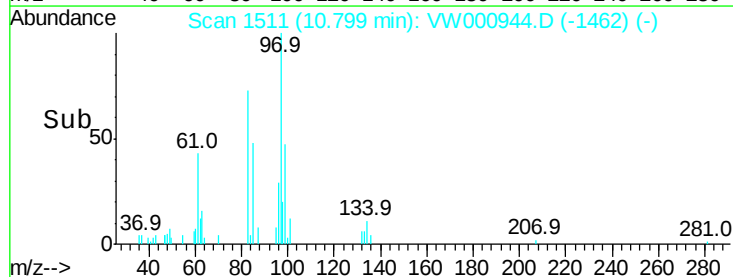
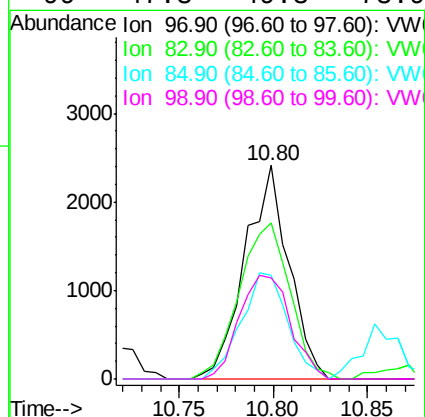
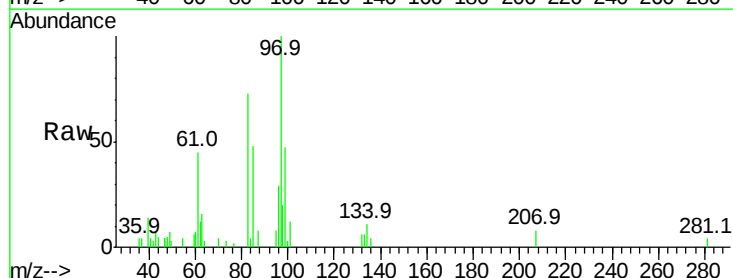
Ion Ratio Lower Upper

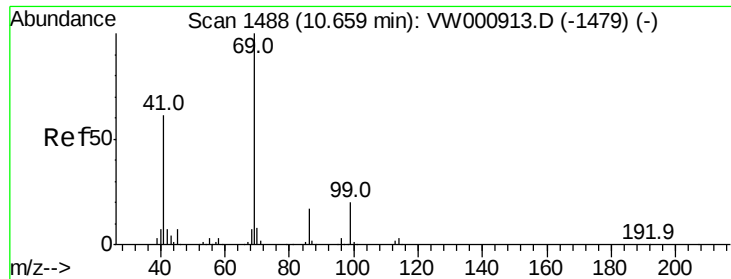
97 100

83 73.2 65.2 97.8

85 48.3 43.1 64.7

99 47.3 49.3 73.9#





#56

Ethyl methacrylate

Concen: 4.572 ug/l

RT: 10.66 min Scan# 1488

Delta R.T. 0.00 min

Lab File: VW000944.D

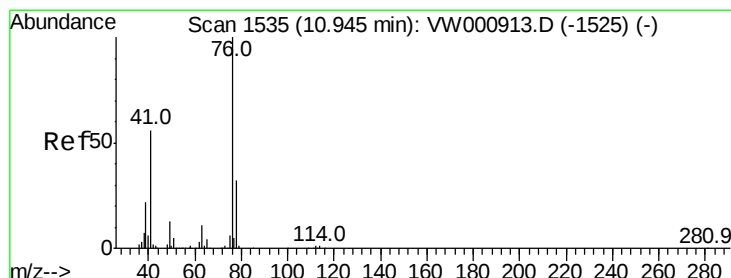
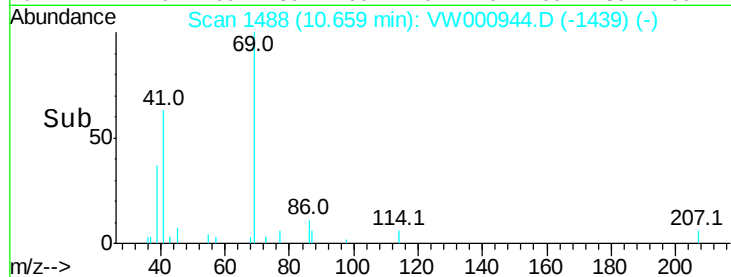
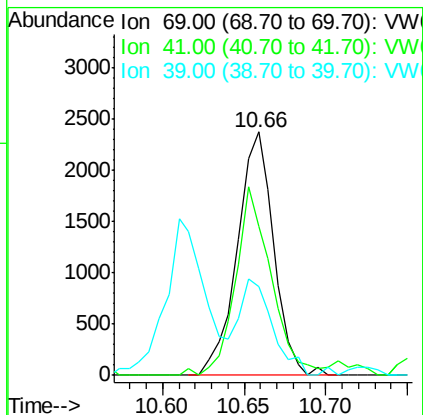
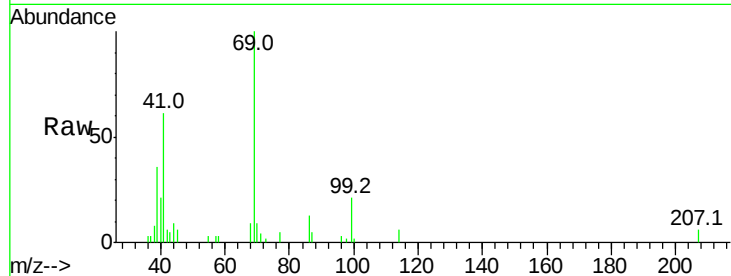
Acq: 24 Jan 2018 13:10

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:	69	Resp:	3695
Ion	Ratio	Lower	Upper
69	100		
41	75.7	50.3	75.5#
39	35.9	28.6	42.8



#57

1,3-Dichloropropane

Concen: 1.835 ug/l

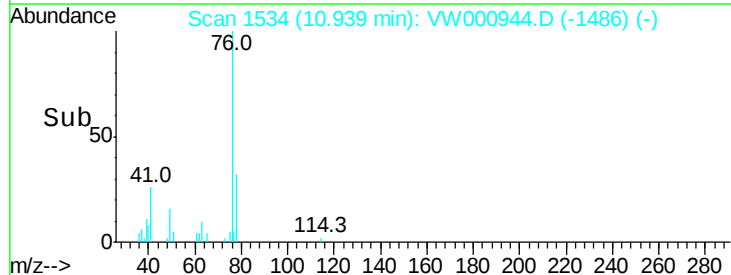
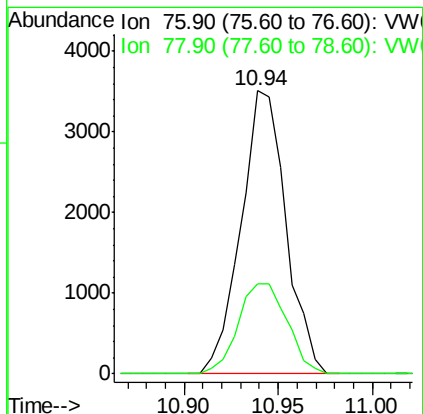
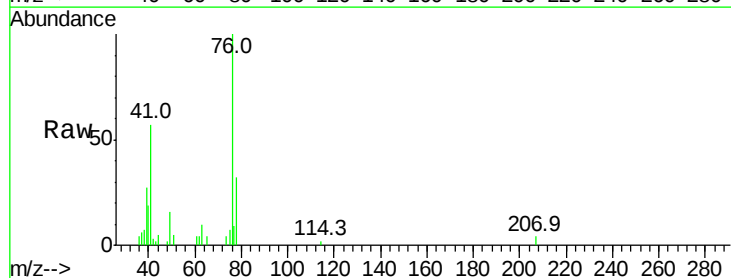
RT: 10.94 min Scan# 1534

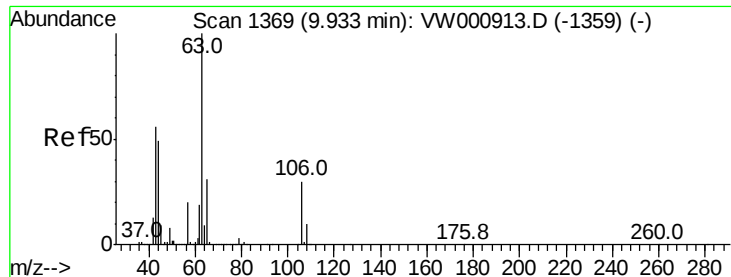
Delta R.T. -0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Tgt Ion:	76	Resp:	5824
Ion	Ratio	Lower	Upper
76	100		
78	34.6	25.8	38.8

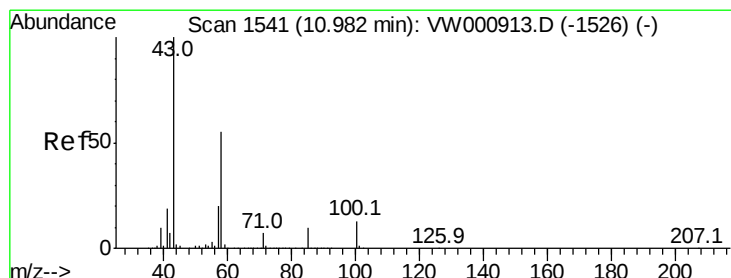
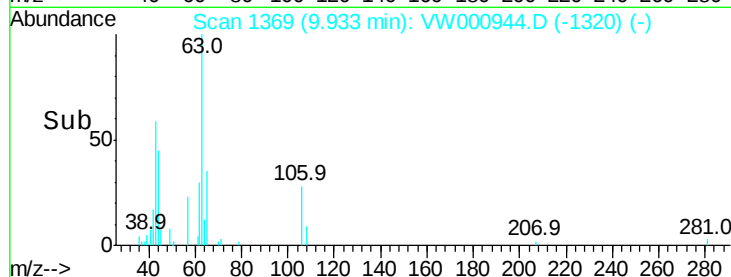
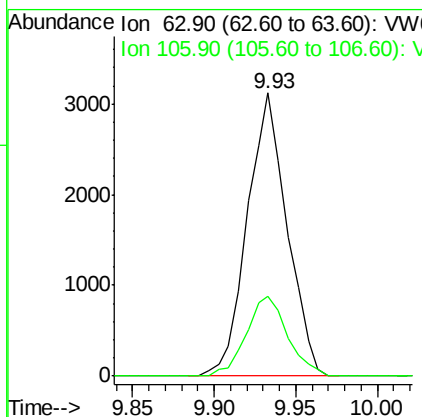
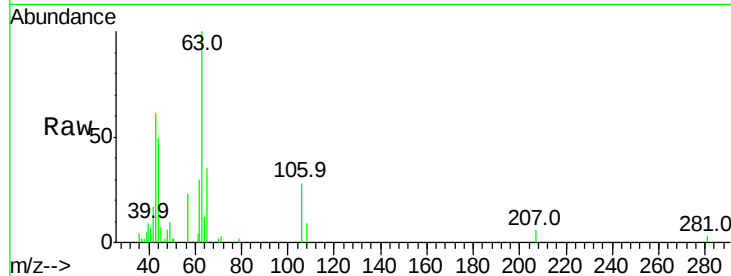




#58
2-Chloroethyl Vinyl ether
Concen: 29.041 ug/l
RT: 9.93 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

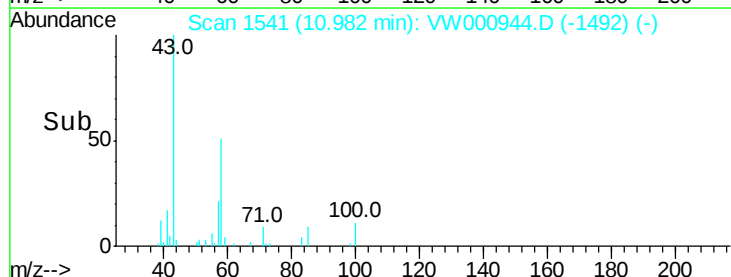
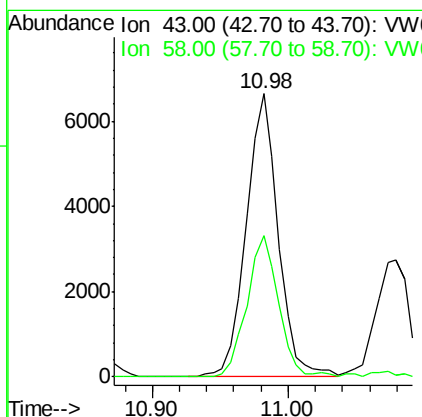
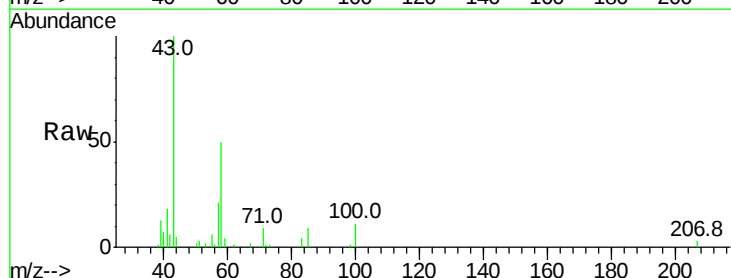
Instrument :
MSVOA_W
ClientSampleId :

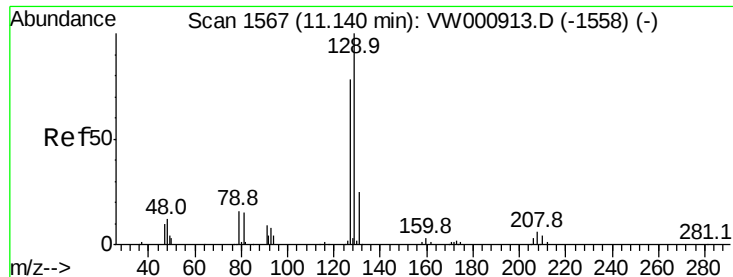
Tot Ion: 63 Resp: 5271
Ion Ratio Lower Upper
63 100
106 29.4 23.8 35.8



#59
2-Hexanone
Concen: 20.869 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

Tgt Ion: 43 Resp: 10940
Ion Ratio Lower Upper
43 100
58 48.9 27.4 82.2





#60

Dibromochloromethane

Concen: 1.725 ug/l

RT: 11.13 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Instrument :

MSVOA_W

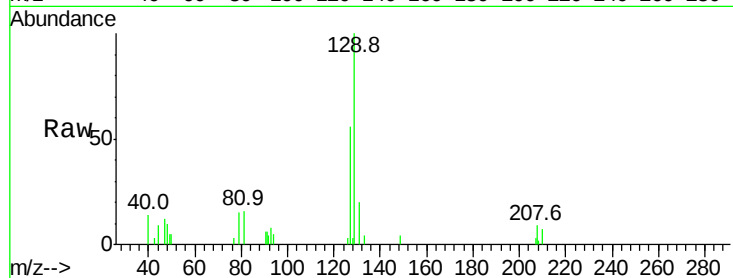
ClientSampleId :

Tot Ion:129 Resp: 4050

Ion Ratio Lower Upper

129 100

127 72.0 38.4 115.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.13

2500

2000

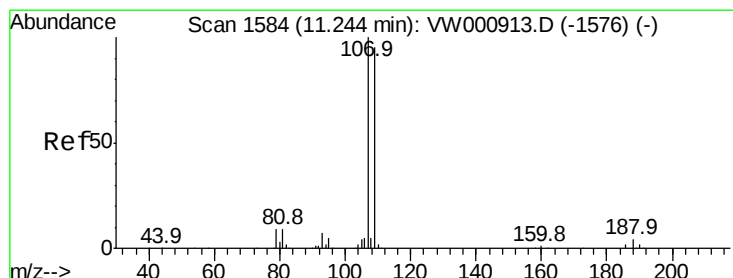
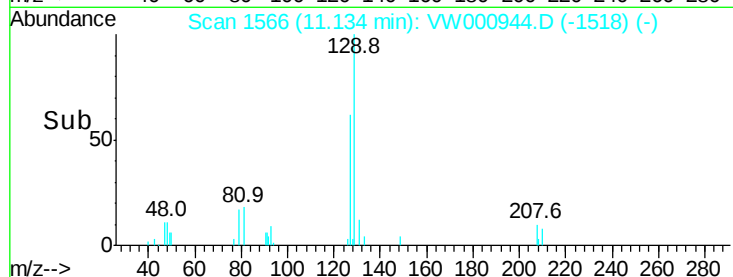
1500

1000

500

0

Time--> 11.10 11.15 11.20



#61

1,2-Dibromoethane

Concen: 1.763 ug/l

RT: 11.24 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VW000944.D

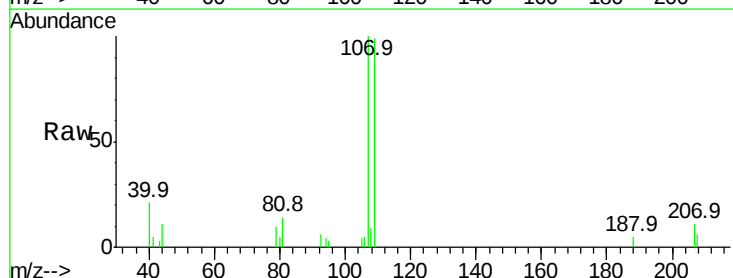
Acq: 24 Jan 2018 13:10

Tgt Ion:107 Resp: 3570

Ion Ratio Lower Upper

107 100

109 92.5 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

2000

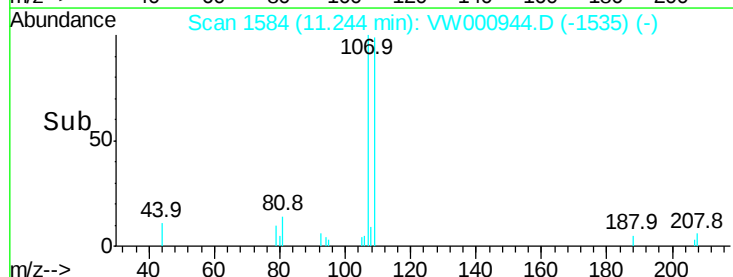
1500

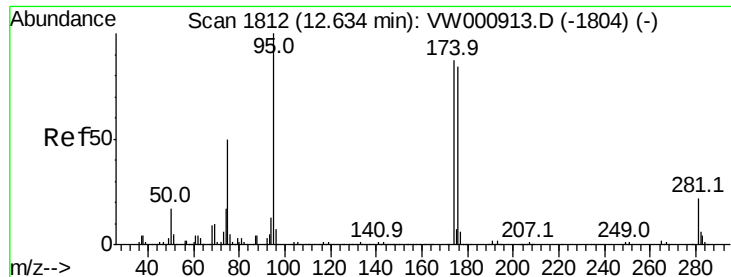
1000

500

0

Time--> 11.20 11.25 11.30

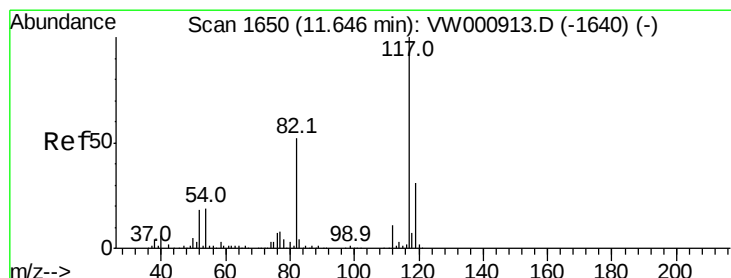
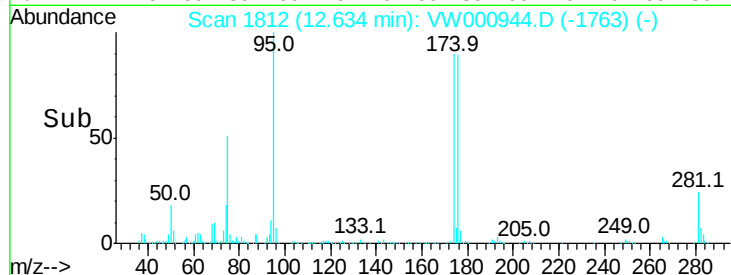
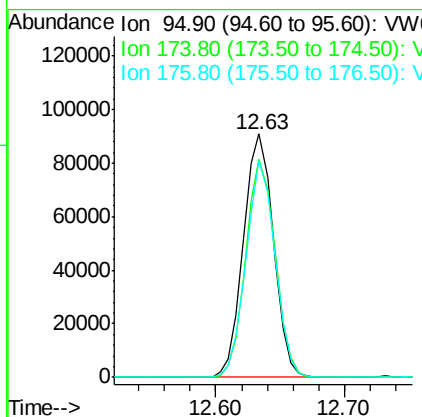
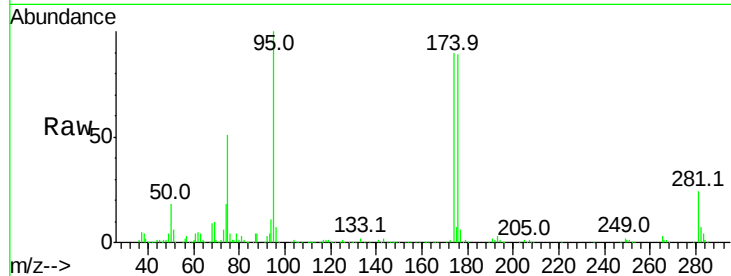




#62
4-Bromofluorobenzene
Concen: 46.053 ug/l
RT: 12.63 min Scan# 1812
Delta R.T. 0.00 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

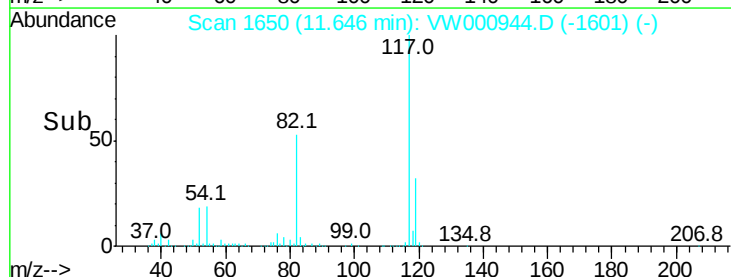
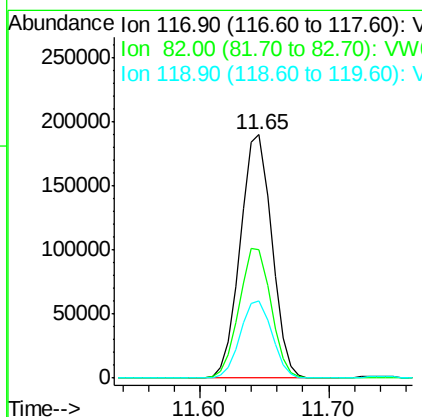
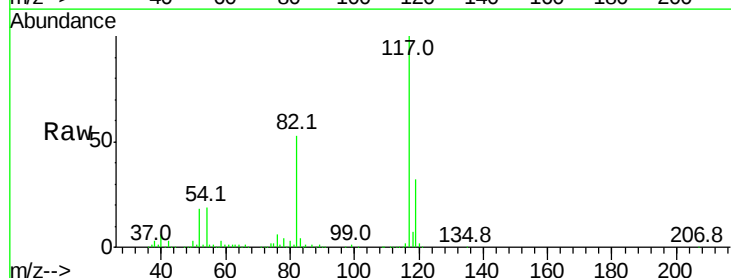
Instrument :
MSVOA_W
ClientSampleId :

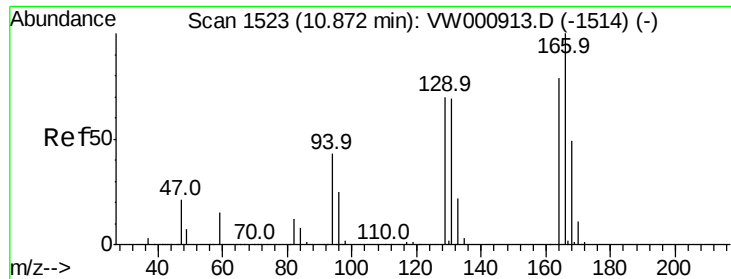
Tot Ion: 95 Resp: 145779
Ion Ratio Lower Upper
95 100
174 88.0 0.0 176.8
176 85.8 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

Tgt Ion: 117 Resp: 322724
Ion Ratio Lower Upper
117 100
82 52.6 41.8 62.6
119 31.8 25.2 37.8





#64

Tetrachloroethene

Concen: 2.228 ug/l

RT: 10.87 min Scan# 1523

Delta R.T. 0.00 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 5968

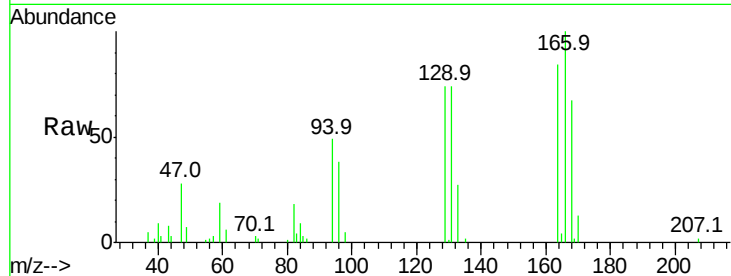
Ion Ratio Lower Upper

164 100

166 119.2 100.9 151.3

129 88.2 70.5 105.7

131 88.1 69.4 104.2

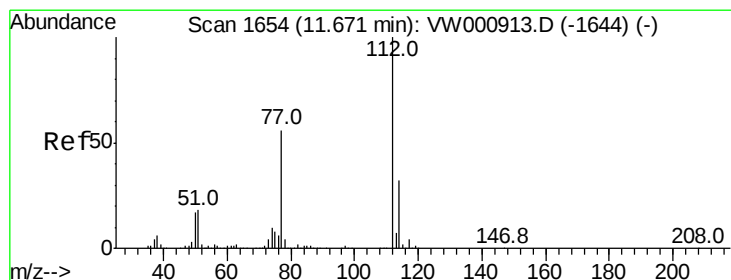
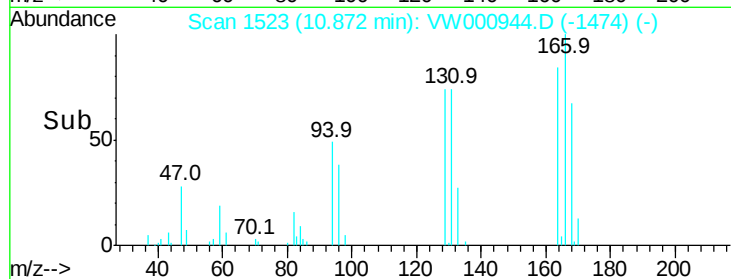
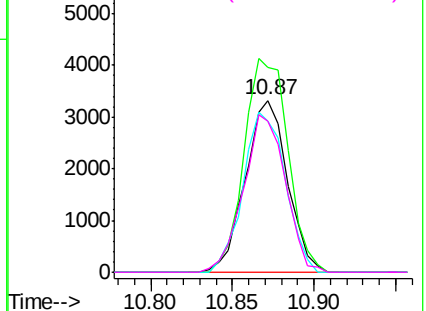


Abundance Ion 163.80 (163.50 to 164.50): V

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: 1.975 ug/l

RT: 11.67 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VW000944.D

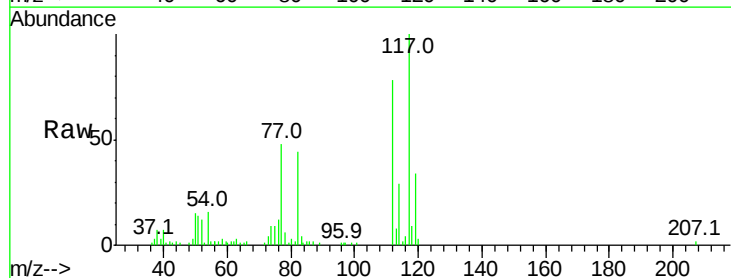
Acq: 24 Jan 2018 13:10

Tgt Ion:112 Resp: 13078

Ion Ratio Lower Upper

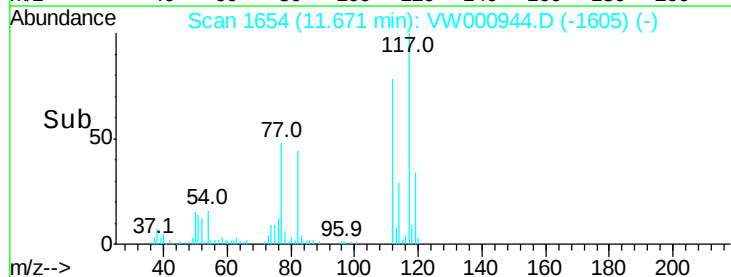
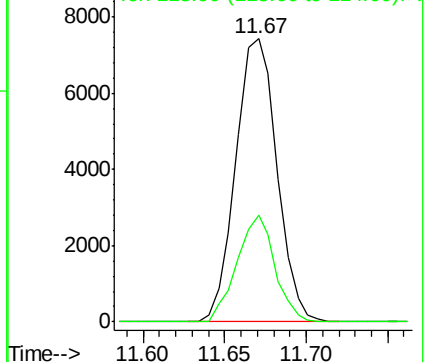
112 100

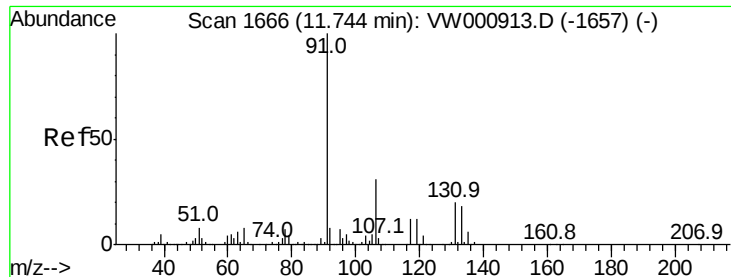
114 37.6 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

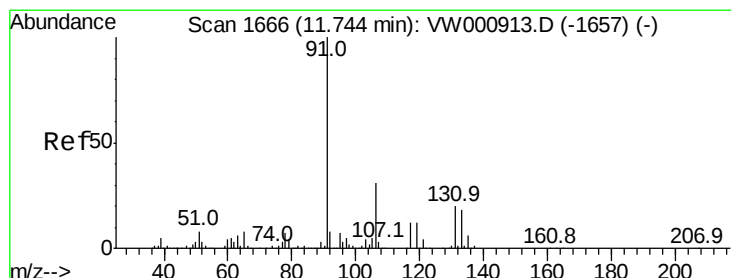
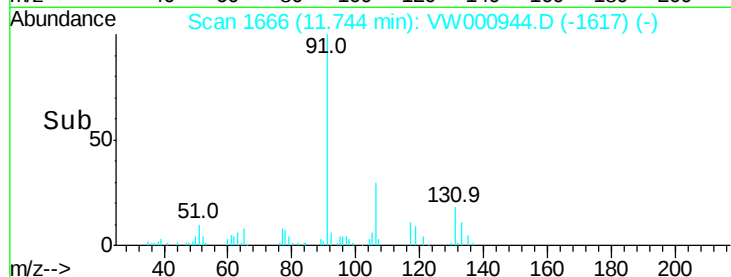
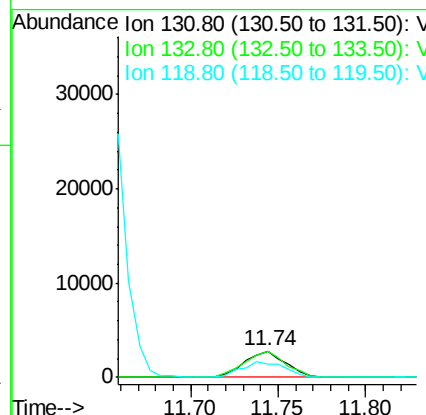
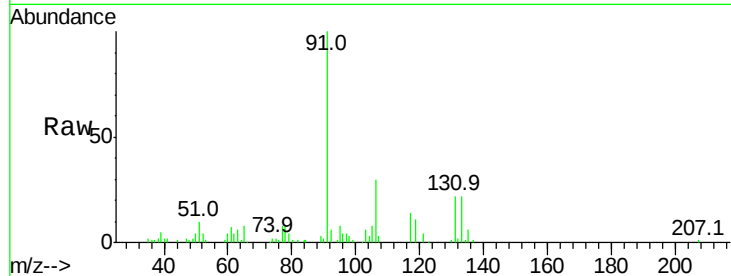




#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.889 ug/l
 RT: 11.74 min Scan# 1666
 Delta R.T. 0.00 min
 Lab File: VW000944.D
 Acq: 24 Jan 2018 13:10

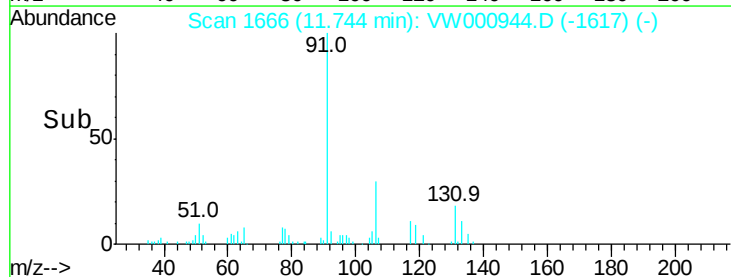
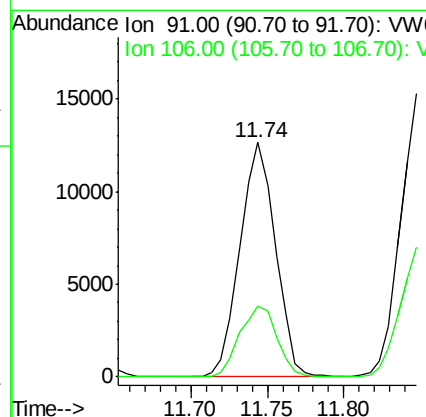
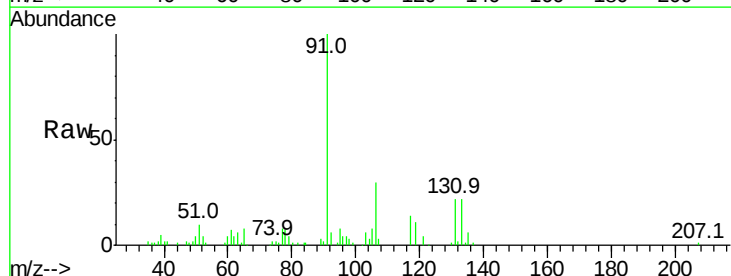
Instrument :
 MSVOA_W
 ClientSampleId :

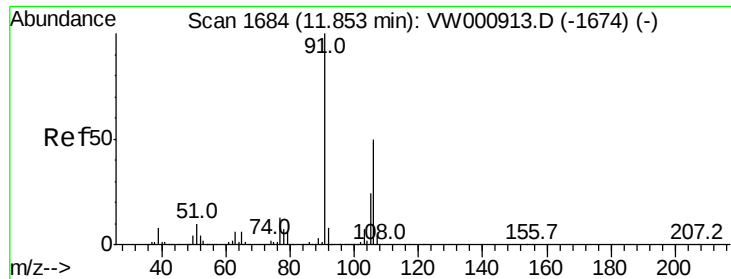
Tot Ion:131 Resp: 4491
 Ion Ratio Lower Upper
 131 100
 133 101.0 47.3 142.0
 119 0.0 31.6 94.7#



#67
 Ethyl Benzene
 Concen: 1.824 ug/l
 RT: 11.74 min Scan# 1666
 Delta R.T. 0.00 min
 Lab File: VW000944.D
 Acq: 24 Jan 2018 13:10

Tgt Ion: 91 Resp: 20403
 Ion Ratio Lower Upper
 91 100
 106 30.0 25.1 37.7

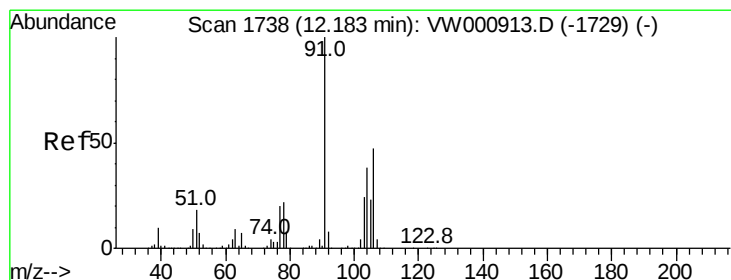
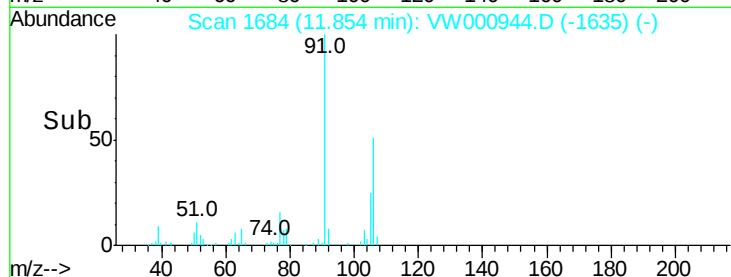
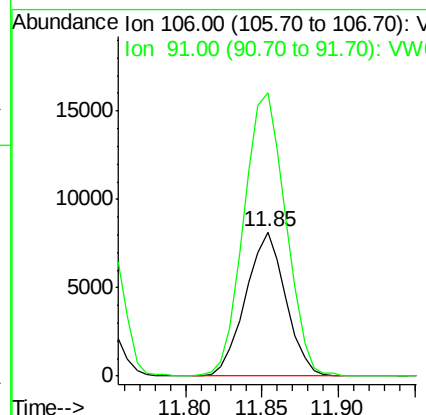
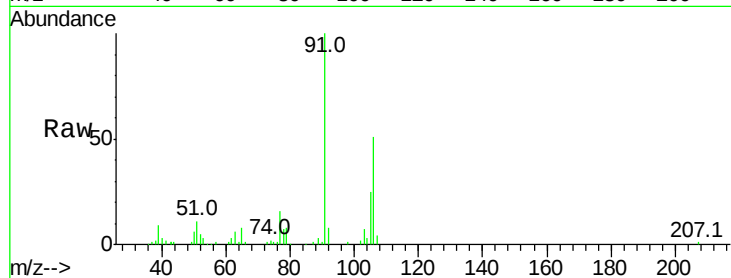




#68
m/p-Xylenes
Concen: 3.413 ug/l
RT: 11.85 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

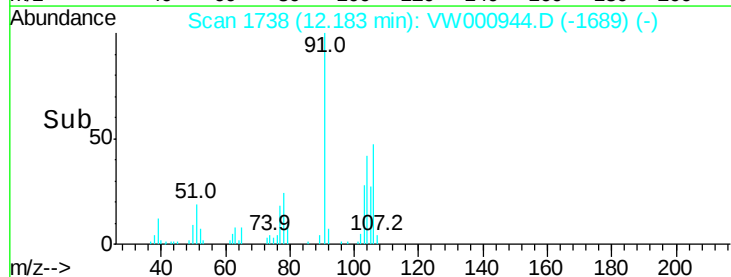
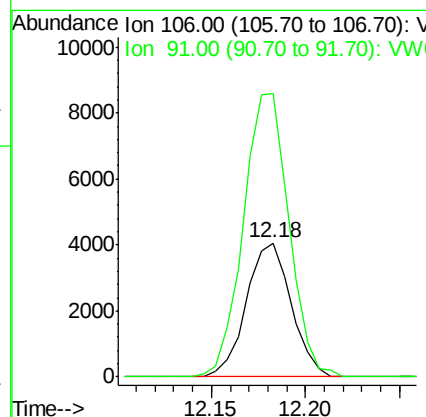
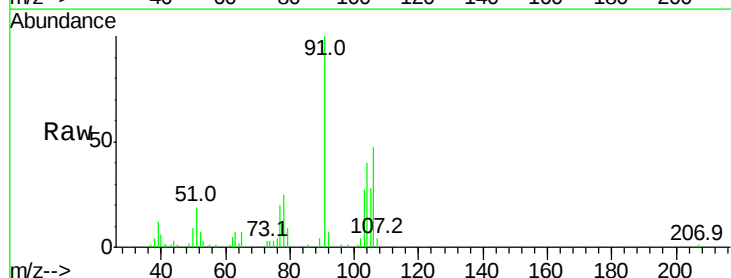
Instrument :
MSVOA_W
ClientSampled :

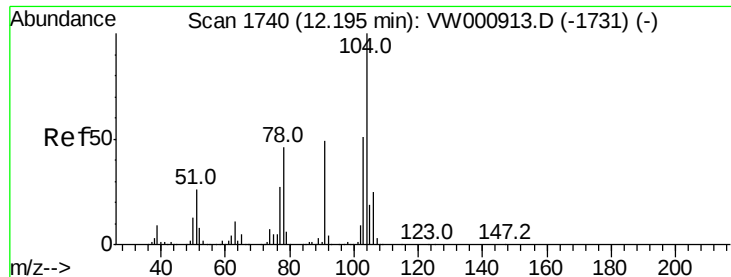
Tot Ion:106 Resp: 14839
Ion Ratio Lower Upper
106 100
91 205.4 161.9 242.9



#69
o-Xylene
Concen: 1.680 ug/l
RT: 12.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

Tgt Ion:106 Resp: 6698
Ion Ratio Lower Upper
106 100
91 214.4 106.3 318.8

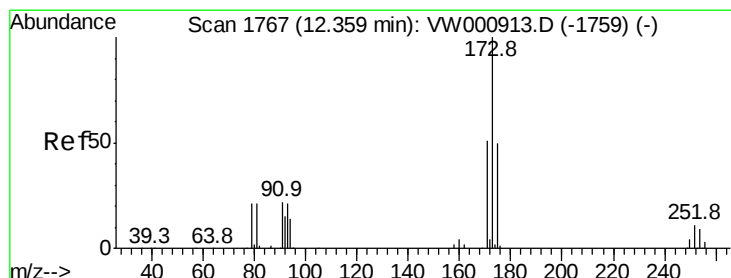
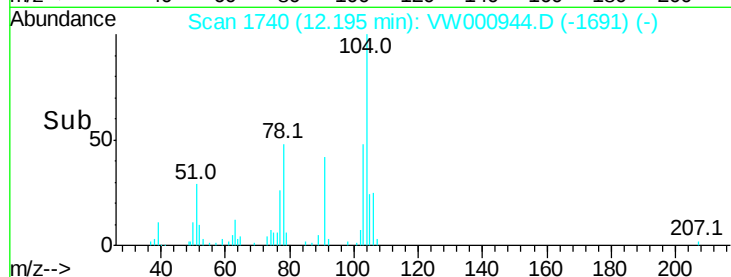
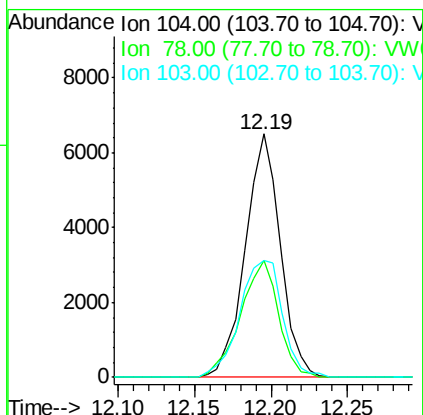
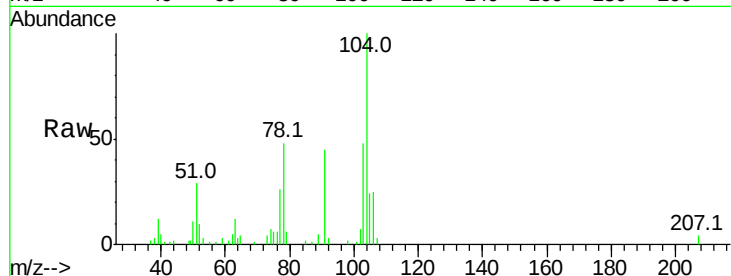




#70
Stvrene
Concen: 1.590 ug/l
RT: 12.19 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

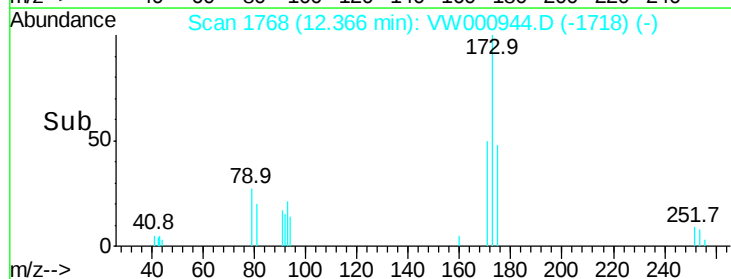
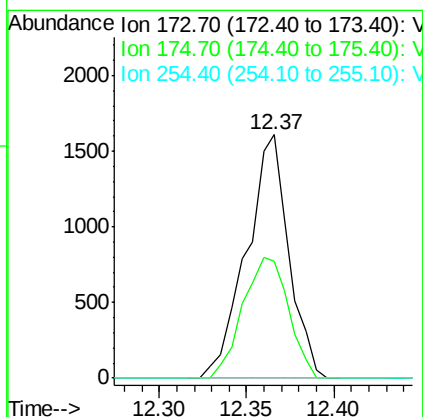
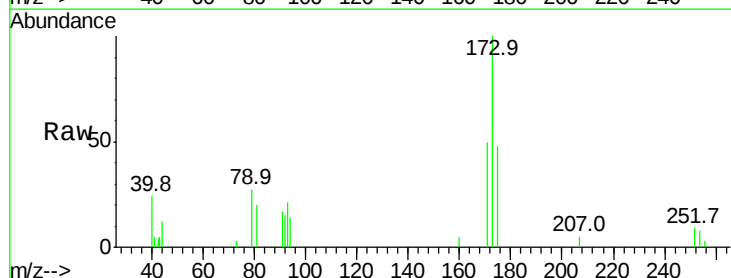
Instrument :
MSVOA_W
ClientSampleId :

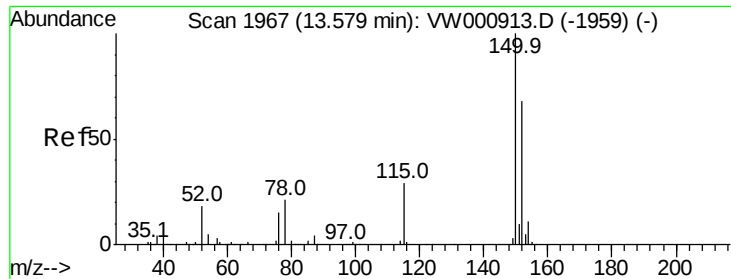
Tot Ion:104 Resp: 10335
Ion Ratio Lower Upper
104 100
78 52.3 40.1 60.1
103 59.2 44.6 66.8



#71
Bromoform
Concen: 1.683 ug/l
RT: 12.37 min Scan# 1768
Delta R.T. 0.01 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

Tgt Ion:173 Resp: 2714
Ion Ratio Lower Upper
173 100
175 53.6 24.7 74.1
254 0.0 0.2 0.2#



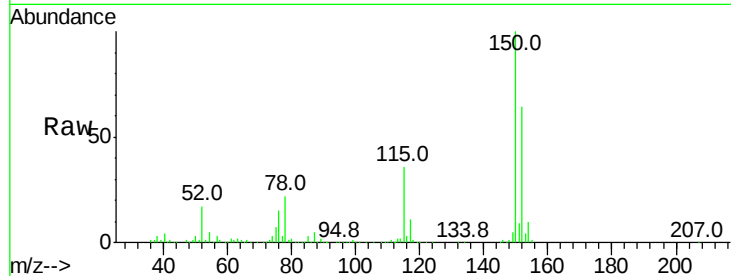


#72

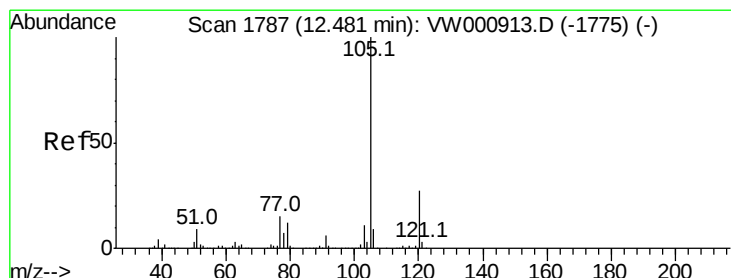
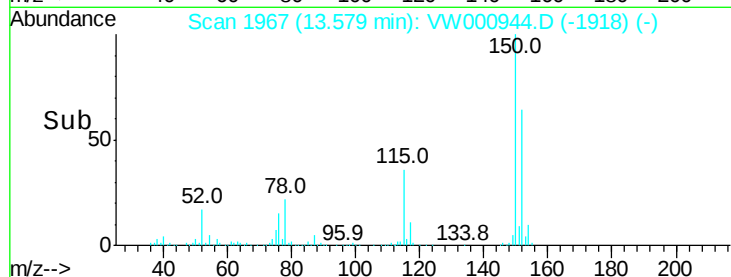
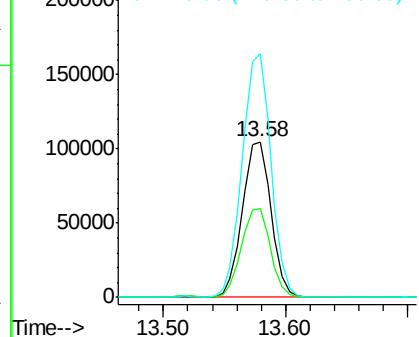
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 169991
Ion Ratio Lower Upper
152 100
115 57.4 28.5 85.5
150 157.4 0.0 342.0



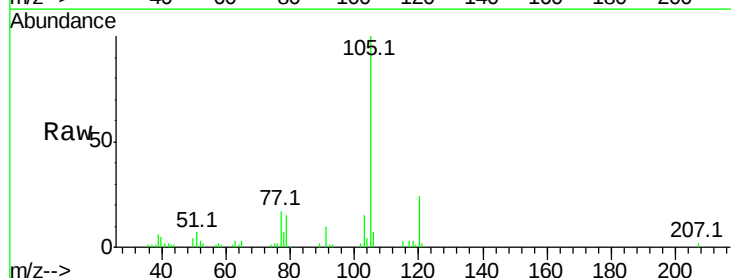
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



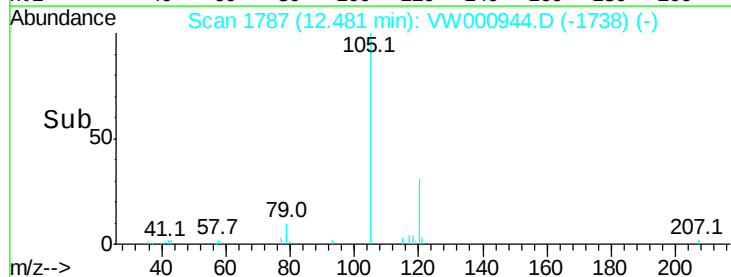
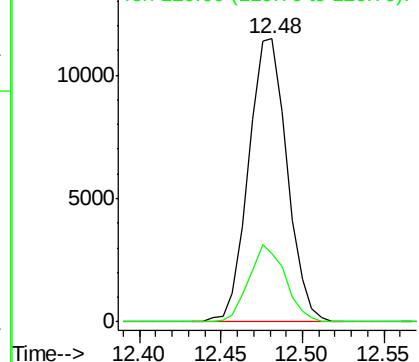
#73

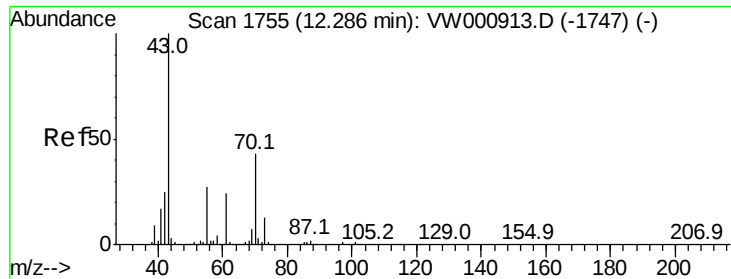
Isopropylbenzene
Concen: 1.719 ug/l
RT: 12.48 min Scan# 1787
Delta R.T. 0.00 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

Tgt Ion:105 Resp: 18884
Ion Ratio Lower Upper
105 100
120 25.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

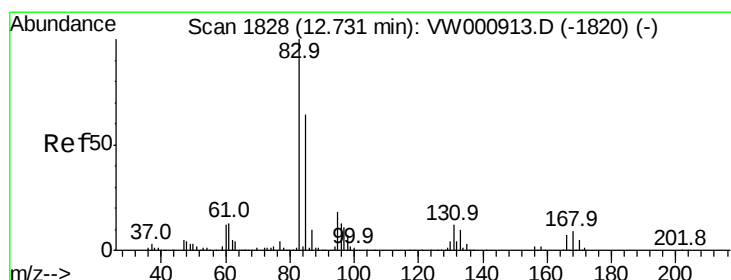
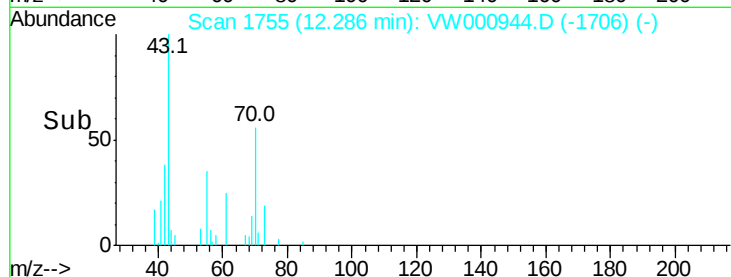
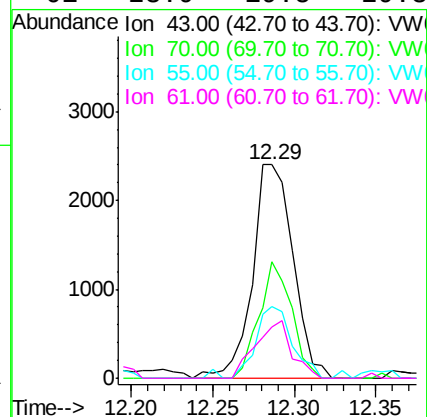
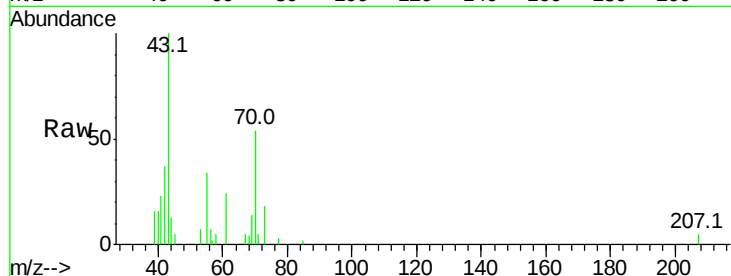




#74
N-amvl acetate
Concen: 1.562 ug/l
RT: 12.29 min Scan# 1755
Delta R.T. 0.00 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

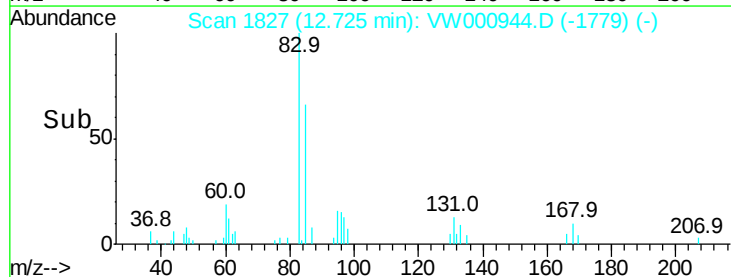
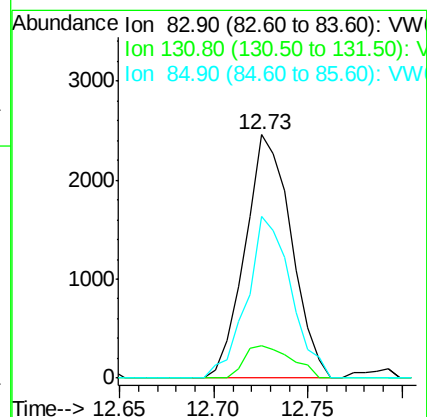
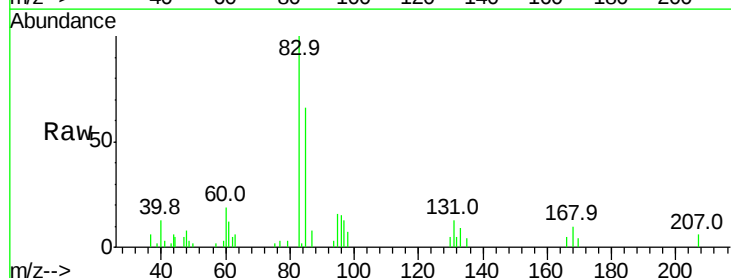
Instrument :
MSVOA_W
ClientSampled :

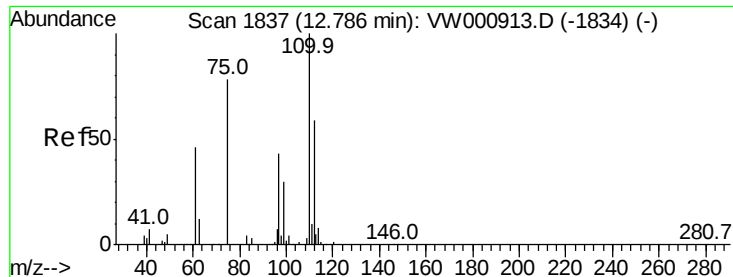
Tot Ion: 43 Resp: 4165
Ion Ratio Lower Upper
43 100
70 43.6 35.8 53.8
55 30.0 21.4 32.2
61 23.9 19.5 29.3



#75
1,1,2,2-Tetrachloroethane
Concen: 1.781 ug/l
RT: 12.73 min Scan# 1827
Delta R.T. -0.01 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

Tgt Ion: 83 Resp: 4181
Ion Ratio Lower Upper
83 100
131 13.4 5.9 17.7
85 63.3 32.6 97.7





#76

1,2,3-Trichloropropane

Concen: 3.190 ug/l

RT: 12.78 min Scan# 1836

Delta R.T. -0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Instrument :

MSVOA_W

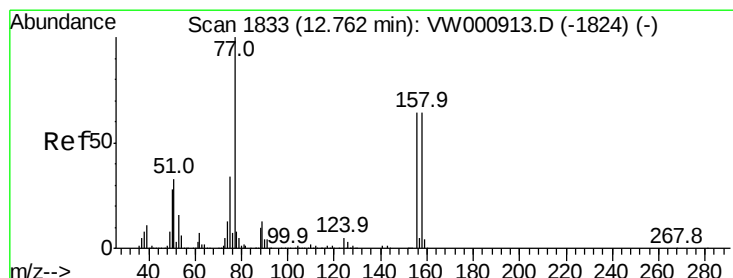
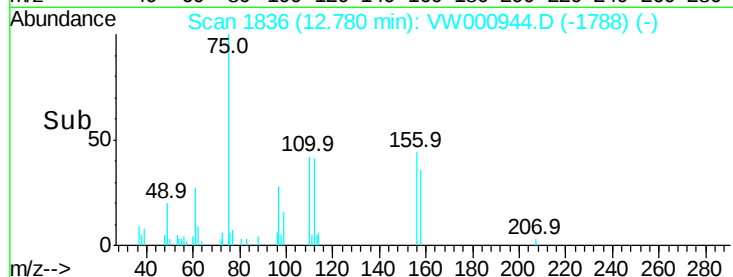
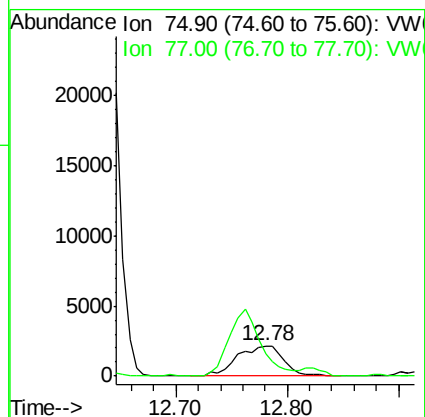
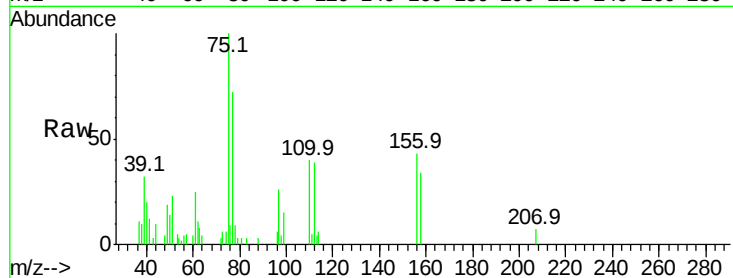
ClientSampleId :

Tot Ion: 75 Resp: 6275

Ion Ratio Lower Upper

75 100

77 151.9 0.0 0.0#



#77

Bromobenzene

Concen: 1.972 ug/l

RT: 12.76 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

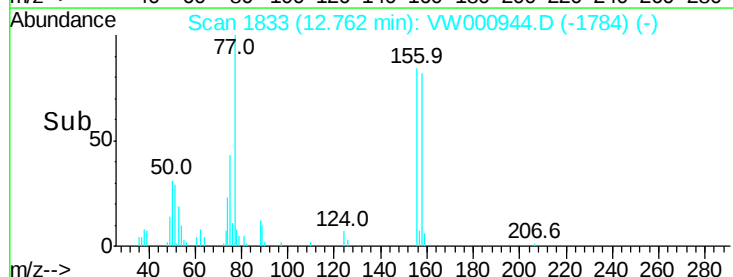
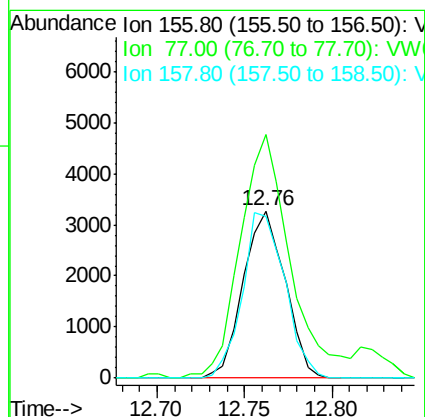
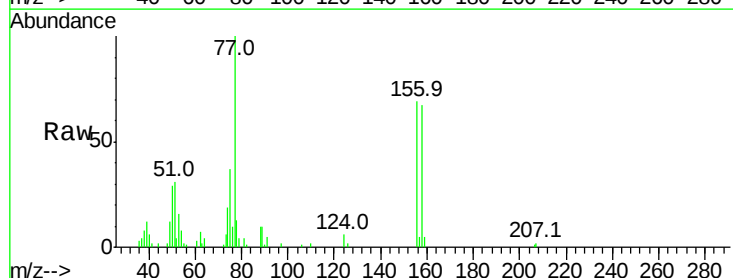
Tgt Ion: 156 Resp: 5510

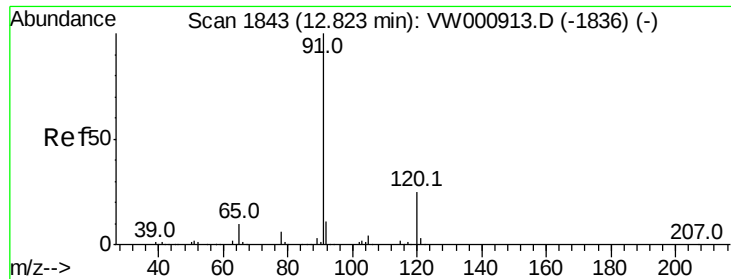
Ion Ratio Lower Upper

156 100

77 173.0 89.0 267.1

158 99.7 48.9 146.8





#78

n-propylbenzene

Concen: 1.880 ug/l

RT: 12.82 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Instrument :

MSVOA_W

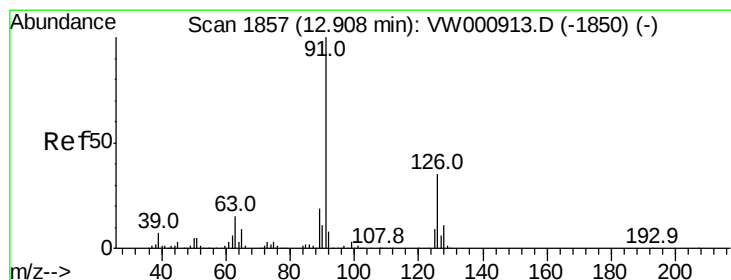
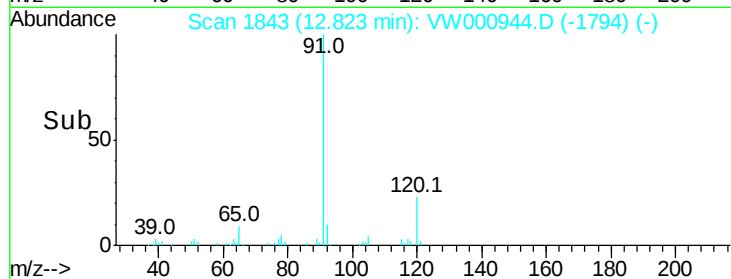
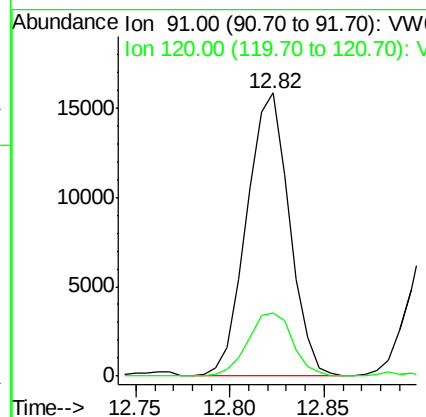
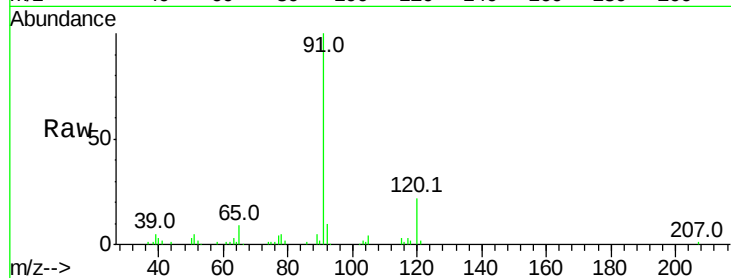
ClientSampleId :

Tot Ion: 91 Resp: 24917

Ion Ratio Lower Upper

91 100

120 23.4 12.0 36.1



#79

2-Chlorotoluene

Concen: 1.905 ug/l

RT: 12.91 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VW000944.D

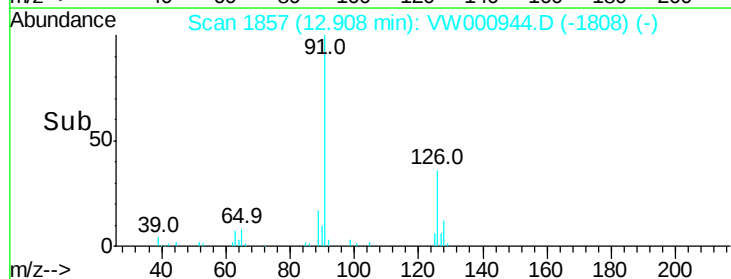
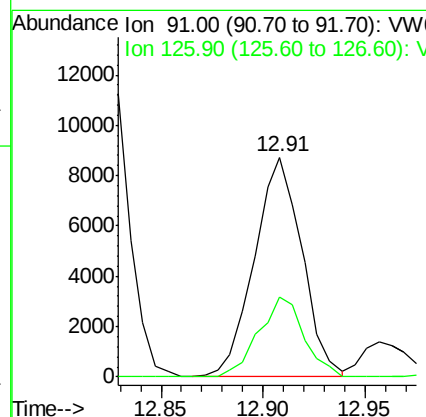
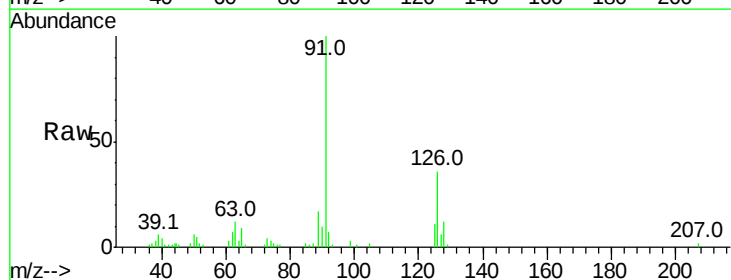
Acq: 24 Jan 2018 13:10

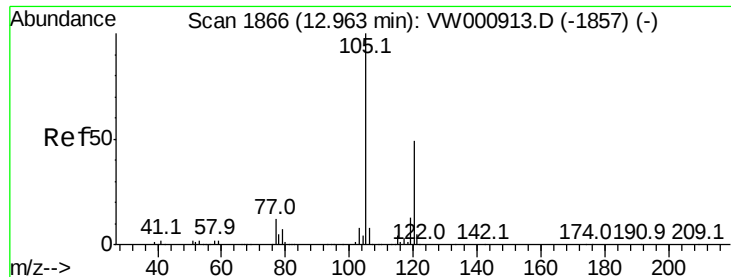
Tgt Ion: 91 Resp: 14238

Ion Ratio Lower Upper

91 100

126 34.4 17.6 52.8





#80

1,3,5-Trimethylbenzene

Concen: 1.729 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Instrument :

MSVOA_W

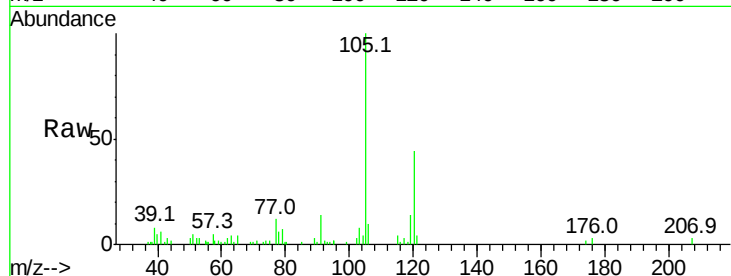
ClientSampleId :

Tot Ion:105 Resp: 16157

Ion Ratio Lower Upper

105 100

120 47.2 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12000

10000

8000

6000

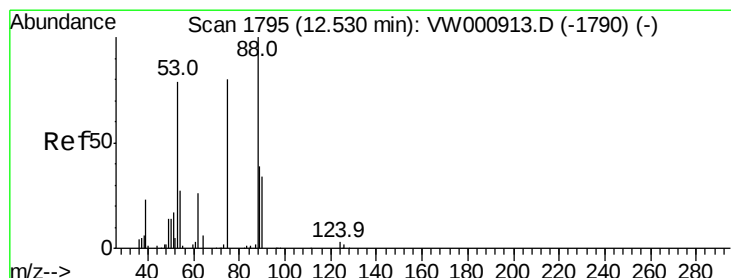
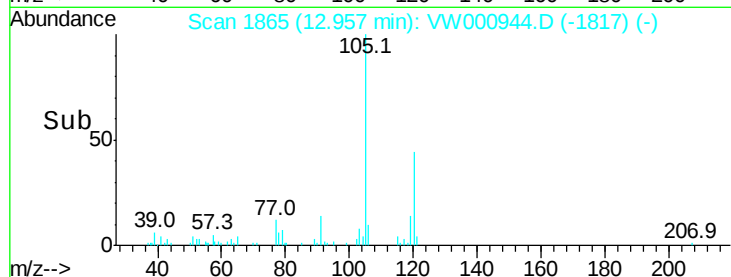
4000

2000

0

12.90 12.95 13.00

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 90.138 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.10 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

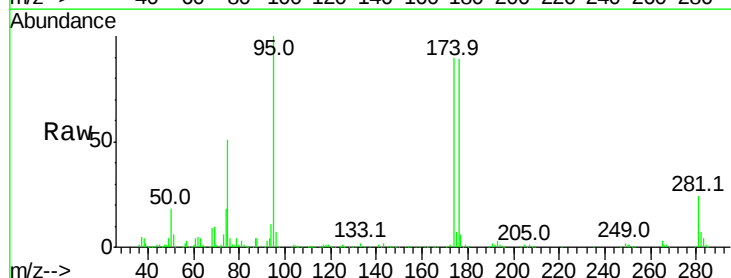
Tgt Ion: 75 Resp: 73815

Ion Ratio Lower Upper

75 100

53 0.0 77.5 116.3#

89 0.2 38.2 57.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

60000

50000

40000

30000

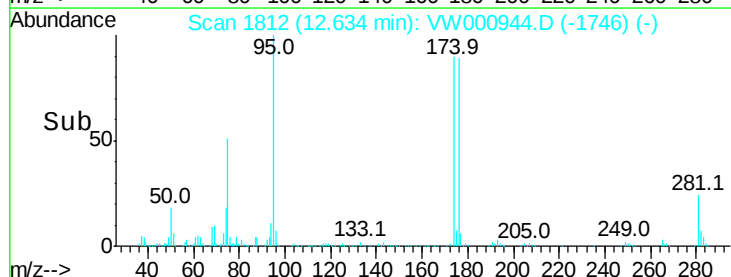
20000

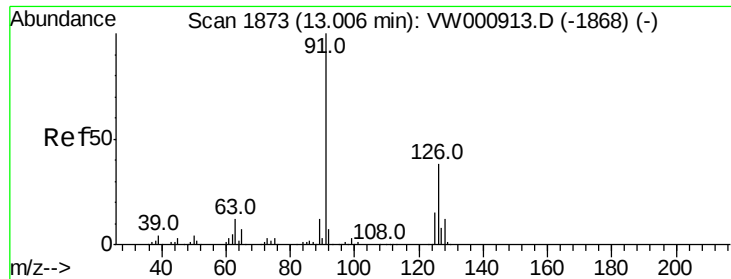
10000

0

12.55 12.60 12.65 12.70

Time-->

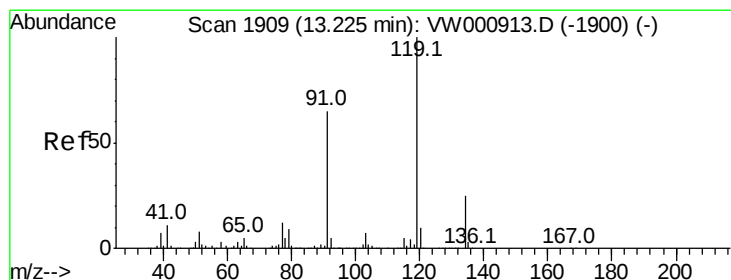
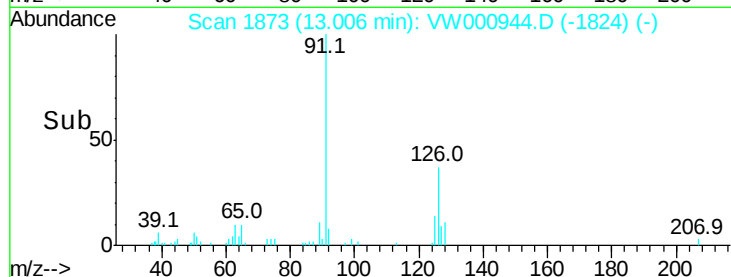
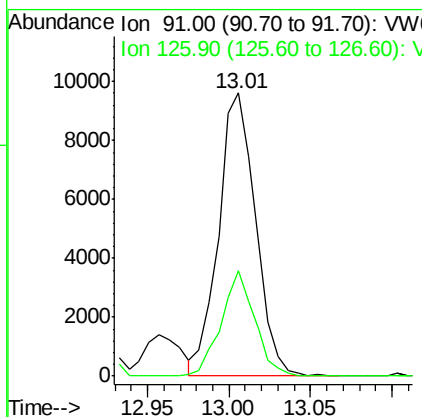
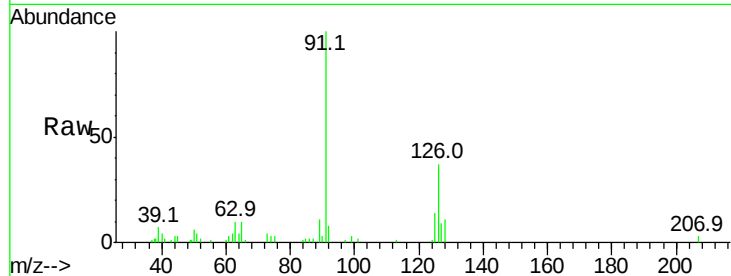




#82
4-Chlorotoluene
Concen: 1.907 ug/l
RT: 13.01 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

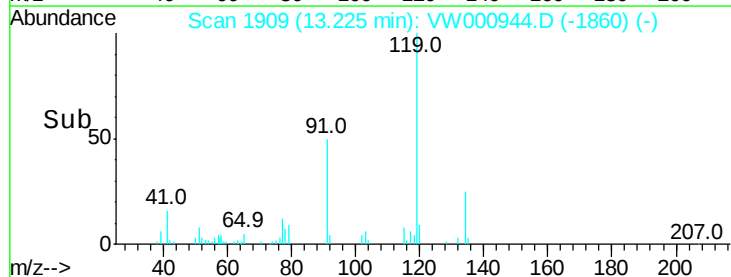
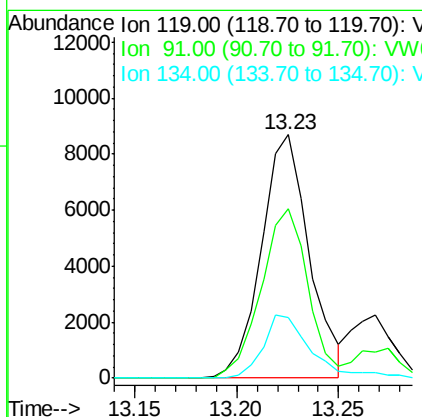
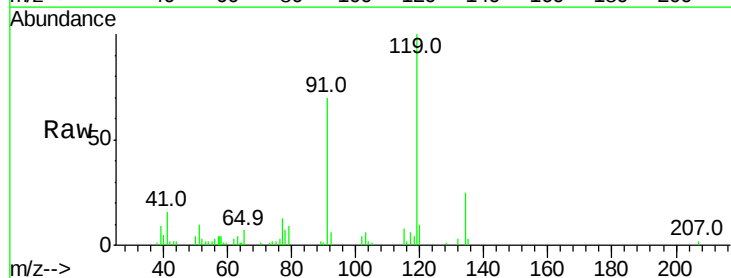
Instrument :
MSVOA_W
ClientSampleId :

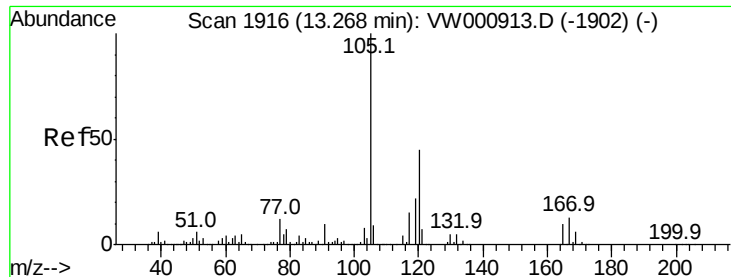
Tot Ion: 91 Resp: 15145
Ion Ratio Lower Upper
91 100
126 34.0 17.6 52.9



#83
tert-Butylbenzene
Concen: 1.733 ug/l
RT: 13.23 min Scan# 1909
Delta R.T. 0.00 min
Lab File: VW000944.D
Acq: 24 Jan 2018 13:10

Tgt Ion: 119 Resp: 14186
Ion Ratio Lower Upper
119 100
91 67.9 32.4 97.0
134 26.4 13.1 39.3

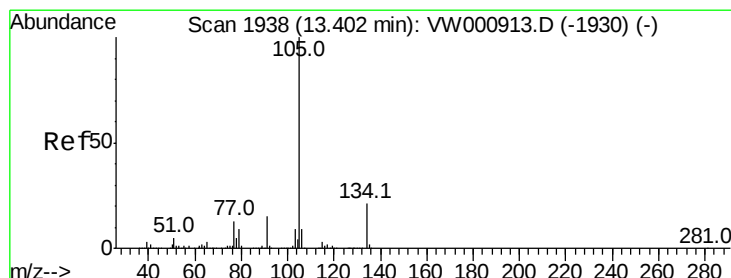
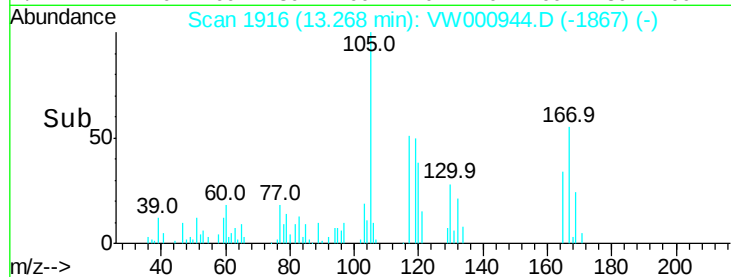
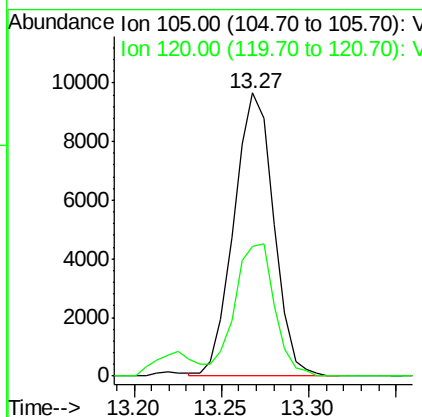
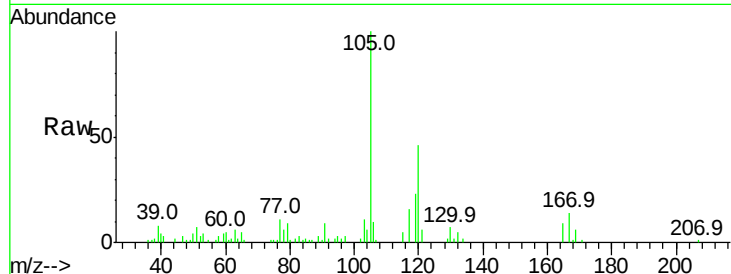




#84
 1,2,4-Trimethylbenzene
 Concen: 1.620 ug/l
 RT: 13.27 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW000944.D
 Acq: 24 Jan 2018 13:10

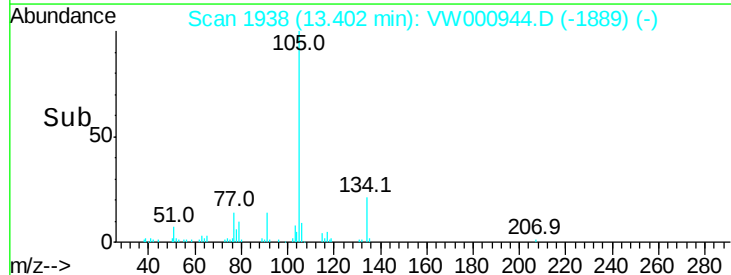
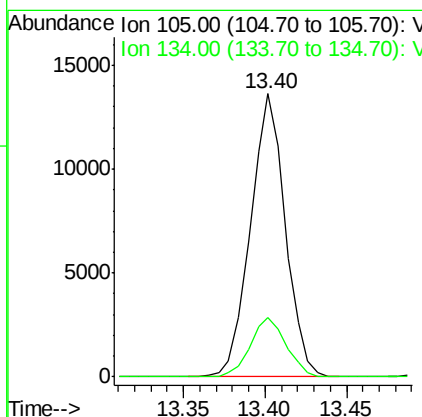
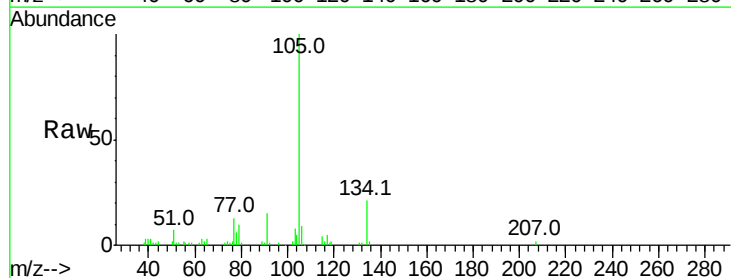
Instrument :
 MSVOA_W
 ClientSampled :

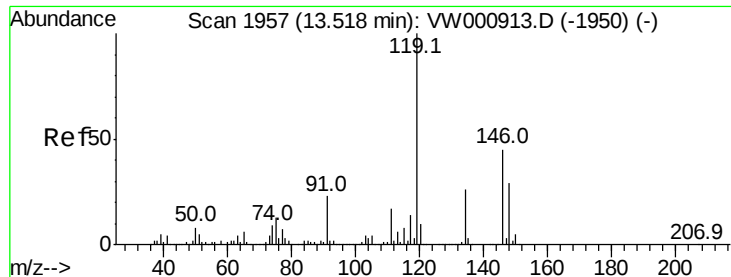
Tot Ion:105 Resp: 15305
 Ion Ratio Lower Upper
 105 100
 120 47.5 22.4 67.0



#85
 sec-Butylbenzene
 Concen: 1.715 ug/l
 RT: 13.40 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VW000944.D
 Acq: 24 Jan 2018 13:10

Tgt Ion:105 Resp: 20265
 Ion Ratio Lower Upper
 105 100
 134 21.5 10.3 30.9

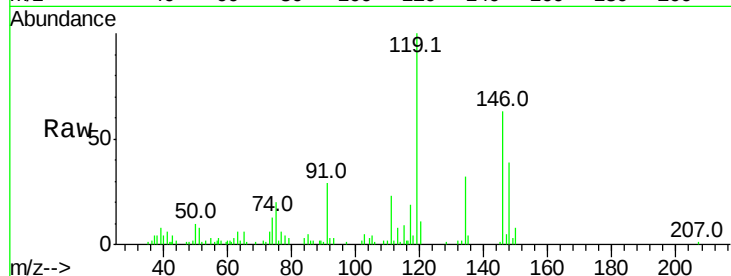




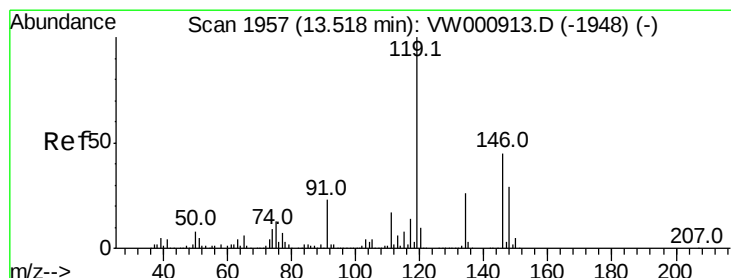
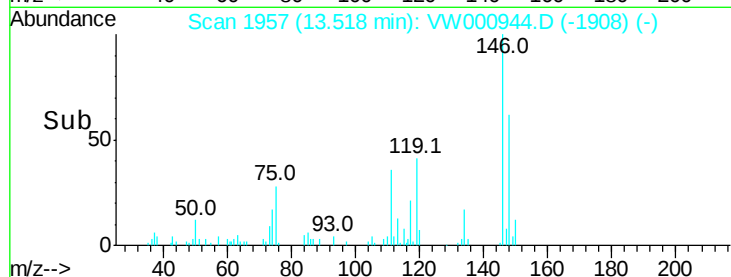
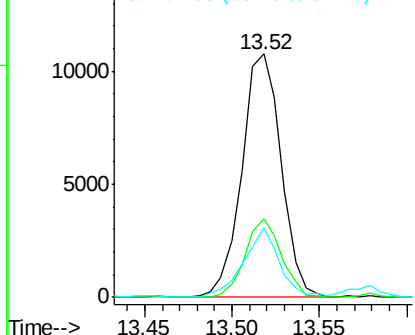
#86
 p-Isopropyltoluene
 Concen: 1.601 ug/l
 RT: 13.52 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VW000944.D
 Acq: 24 Jan 2018 13:10

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:119 Resp: 16782
 Ion Ratio Lower Upper
 119 100
 134 29.4 13.2 39.6
 91 26.4 11.7 35.0

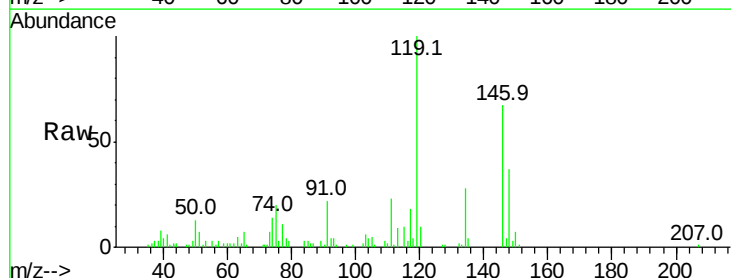


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

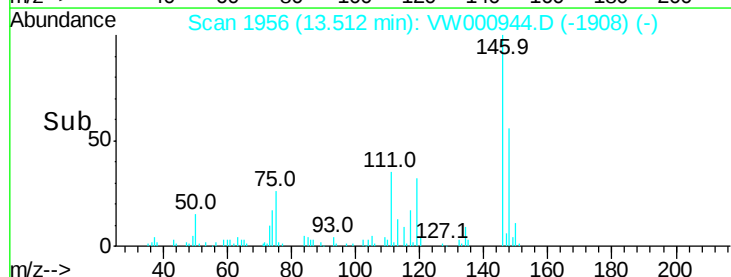
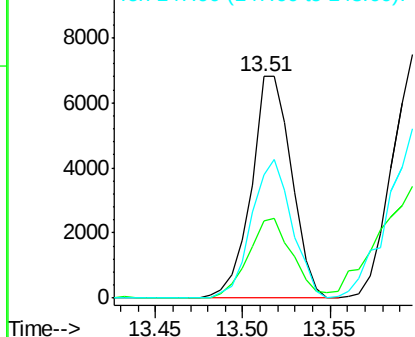


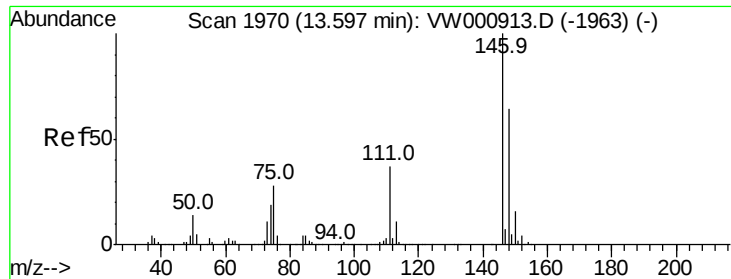
#87
 1,3-Dichlorobenzene
 Concen: 1.981 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.01 min
 Lab File: VW000944.D
 Acq: 24 Jan 2018 13:10

Tgt Ion:146 Resp: 10980
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.7 59.0
 148 62.7 32.4 97.0



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





#88

1,4-Dichlorobenzene

Concen: 2.035 ug/l

RT: 13.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

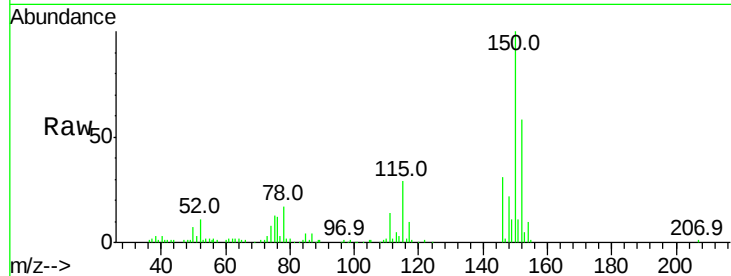
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:146 Resp: 11277

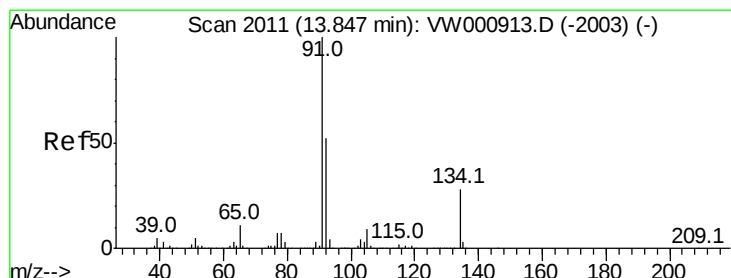
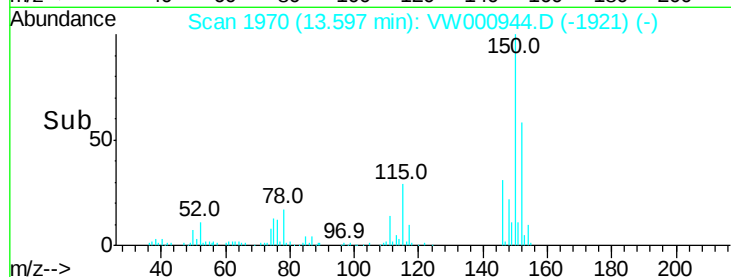
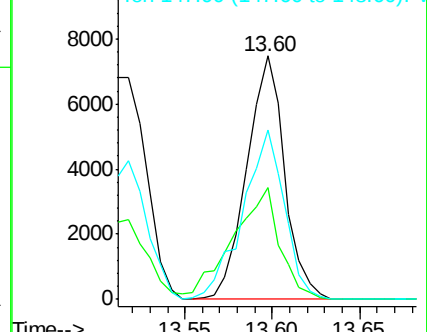
Ion	Ratio	Lower	Upper
146	100		
111	56.9	19.0	57.0
148	76.8	32.4	97.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 1.890 ug/l

RT: 13.84 min Scan# 2010

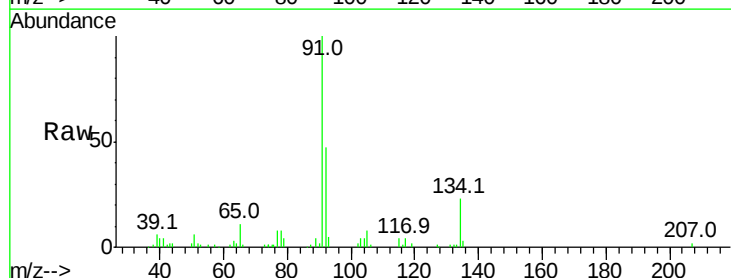
Delta R.T. -0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Tgt Ion: 91 Resp: 18603

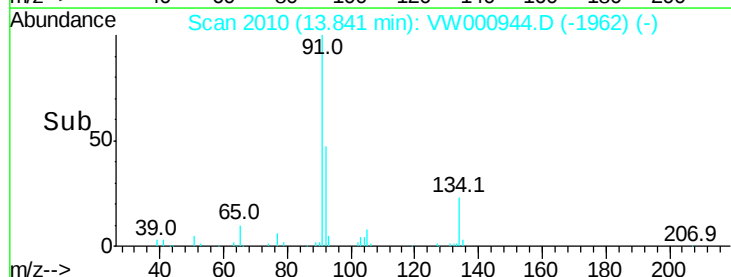
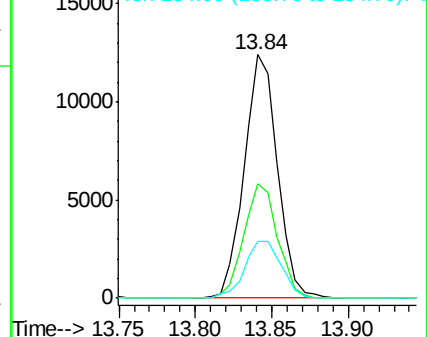
Ion	Ratio	Lower	Upper
91	100		
92	47.6	26.2	78.6
134	25.7	13.7	41.1

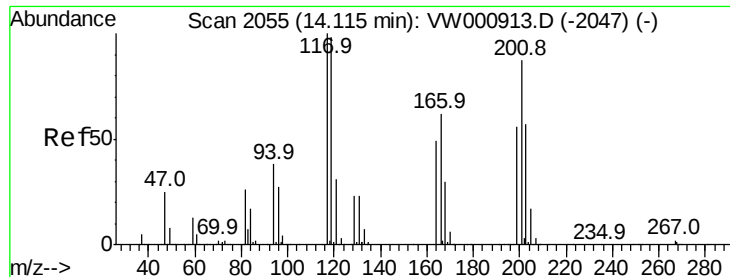


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 2.002 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. -0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Instrument :

MSVOA_W

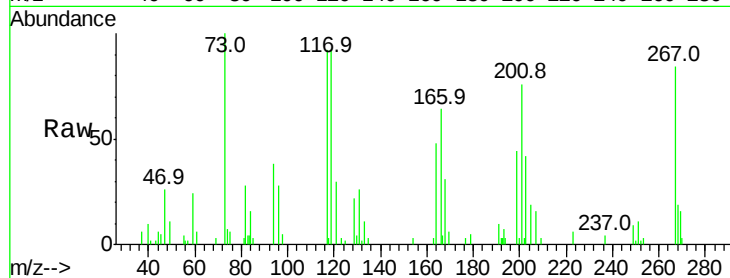
ClientSampleId :

Tot Ion:117 Resp: 3901

Ion Ratio Lower Upper

117 100

201 85.1 42.8 128.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

2500

2000

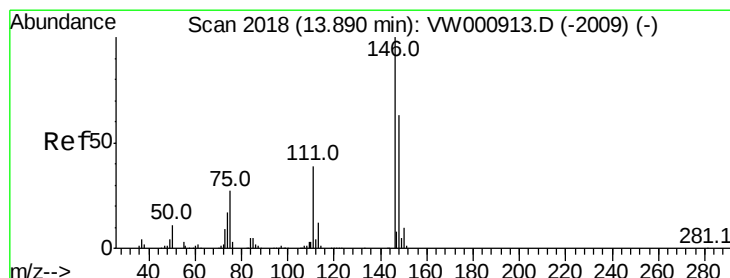
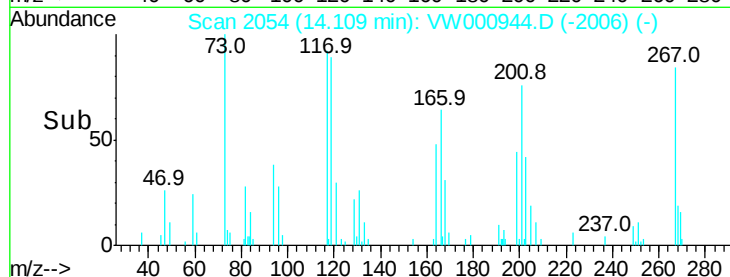
1500

1000

500

0

Time--> 14.05 14.10 14.15



#91

1,2-Dichlorobenzene

Concen: 1.974 ug/l

RT: 13.89 min Scan# 2018

Delta R.T. 0.00 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

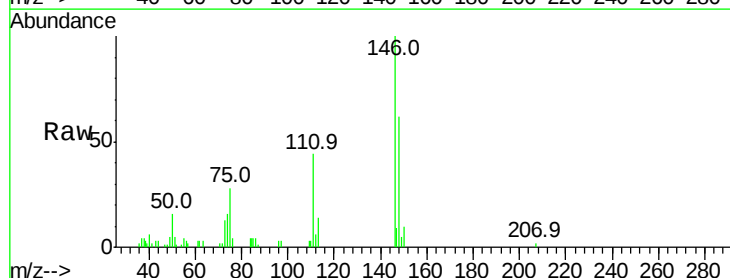
Tgt Ion:146 Resp: 9857

Ion Ratio Lower Upper

146 100

111 42.7 19.8 59.4

148 61.3 31.8 95.3



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

8000

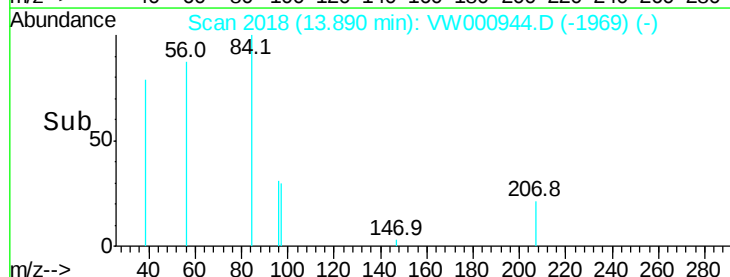
6000

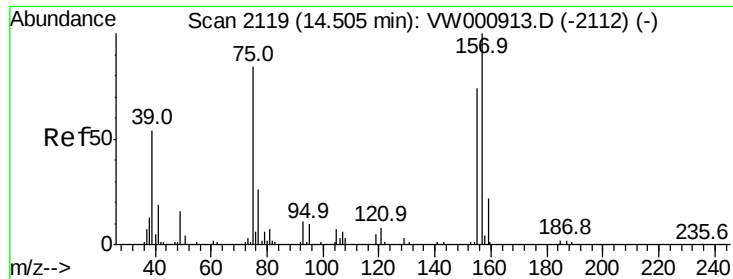
4000

2000

0

Time--> 13.85 13.90 13.95





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.965 ug/l

RT: 14.51 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Instrument :

MSVOA_W

ClientSampleId :

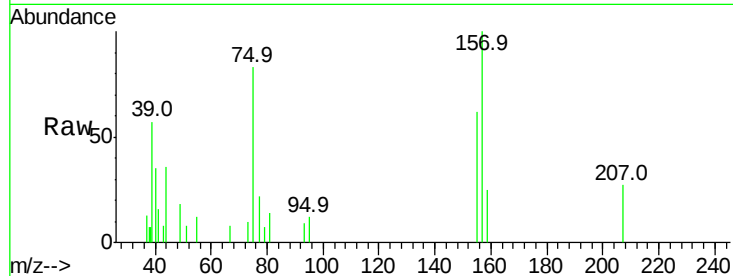
Tot Ion: 75 Resp: 1018

Ion Ratio Lower Upper

75 100

155 80.2 45.9 137.6

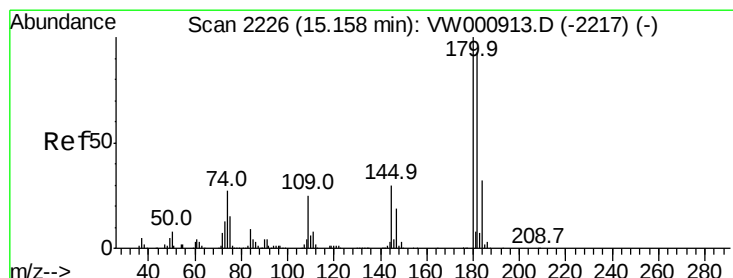
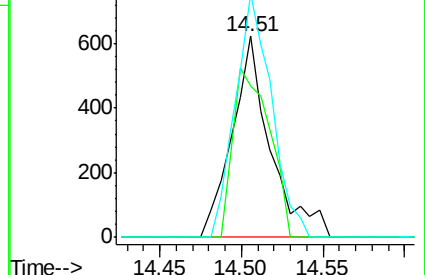
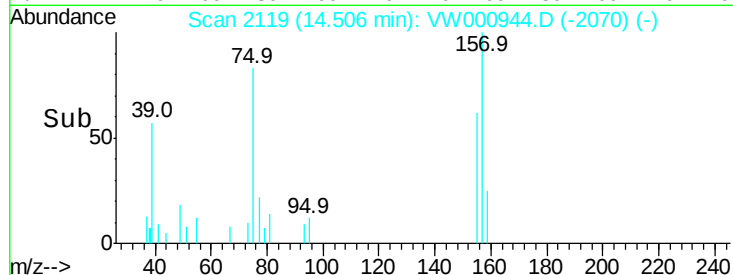
157 114.7 59.8 179.3



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: 2.066 ug/l

RT: 15.16 min Scan# 2226

Delta R.T. 0.00 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

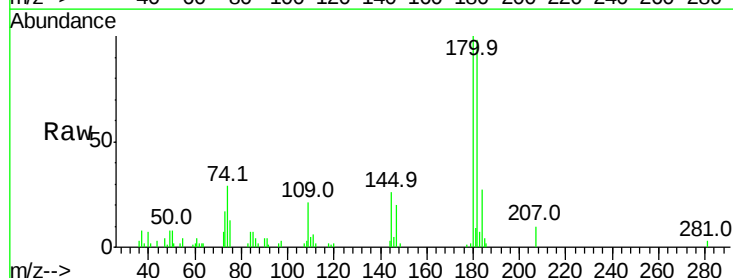
Tgt Ion:180 Resp: 7687

Ion Ratio Lower Upper

180 100

182 92.4 47.5 142.6

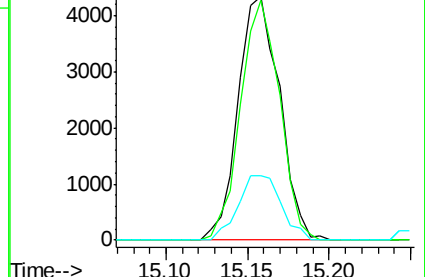
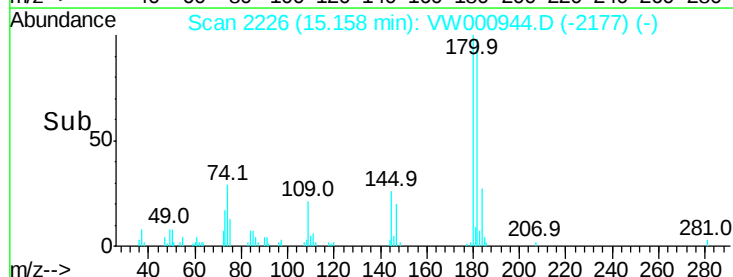
145 27.4 14.9 44.7

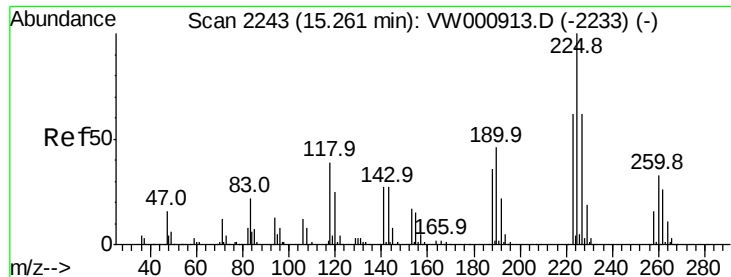


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 1.992 ug/l

RT: 15.26 min Scan# 2243

Delta R.T. 0.00 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Instrument :

MSVOA_W

ClientSampled :

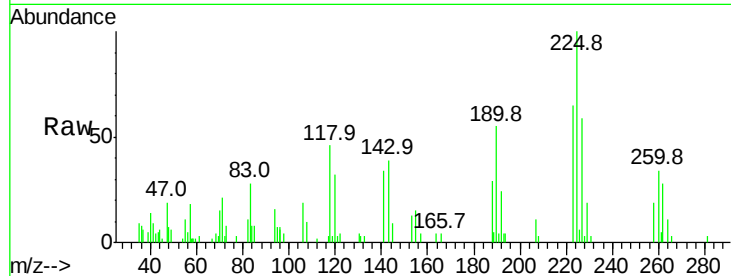
Tot Ion:225 Resp: 4700

Ion Ratio Lower Upper

225 100

223 65.9 31.3 93.8

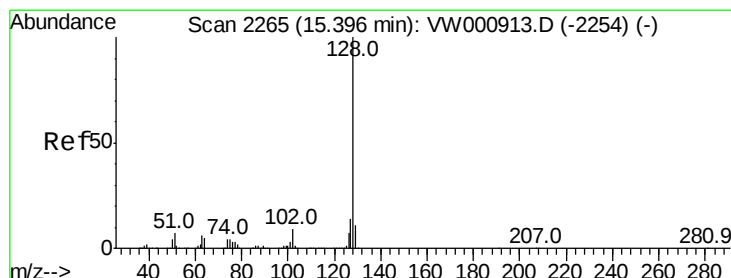
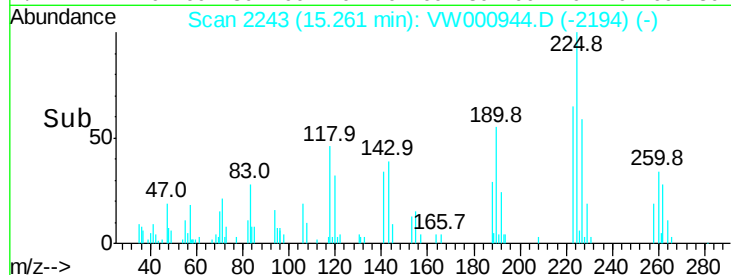
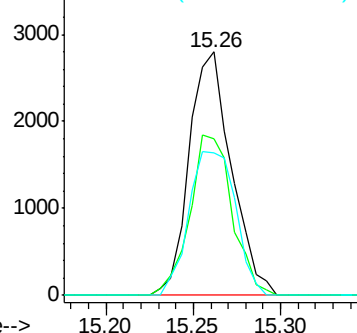
227 65.6 31.8 95.3



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: 1.731 ug/l

RT: 15.39 min Scan# 2264

Delta R.T. -0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

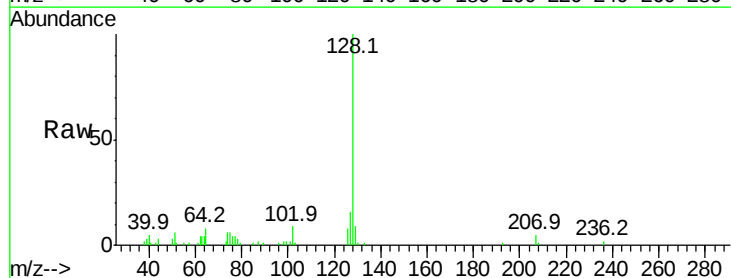
Tgt Ion:128 Resp: 13600

Ion Ratio Lower Upper

128 100

127 16.0 10.6 15.8#

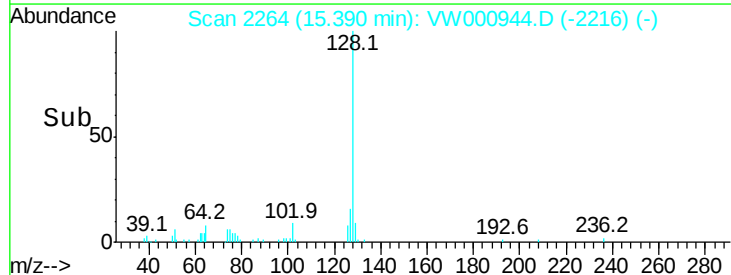
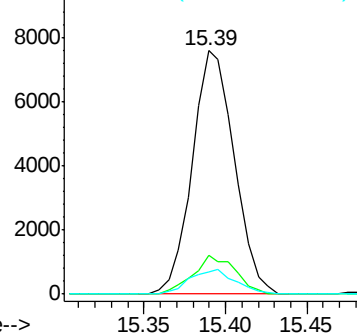
129 10.7 8.7 13.1

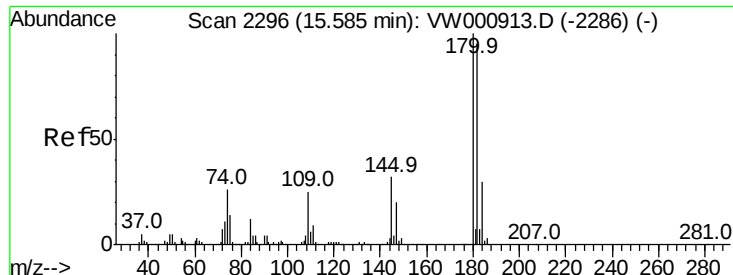


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 1.941 ug/l

RT: 15.58 min Scan# 2295

Delta R.T. -0.01 min

Lab File: VW000944.D

Acq: 24 Jan 2018 13:10

Instrument :

MSVOA_W

ClientSampleId :

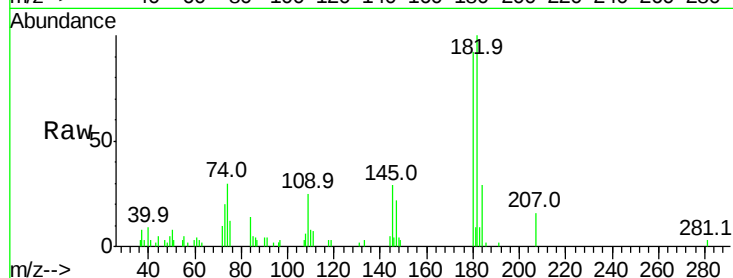
Tot Ion:180 Resp: 6643

Ion Ratio Lower Upper

180 100

182 98.7 47.4 142.3

145 30.1 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

