

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\
 Data File : VW004326.D
 Acq On : 29 Jul 2018 20:49
 Operator : SY/AP
 Sample : J4109-01
 Misc : 8.49G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 30 04:35:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W073018S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 30 02:37:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	132020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	195350	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	149234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	54800	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	67361	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
35) Dibromofluoromethane	7.88	113	61129	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
50) Toluene-d8	10.33	98	217638	44.61	ug/l	0.00
Spiked Amount			Recovery	=	89.22%	
62) 4-Bromofluorobenzene	12.62	95	56889	33.12	ug/l	0.00
Spiked Amount			Recovery	=	66.24%	

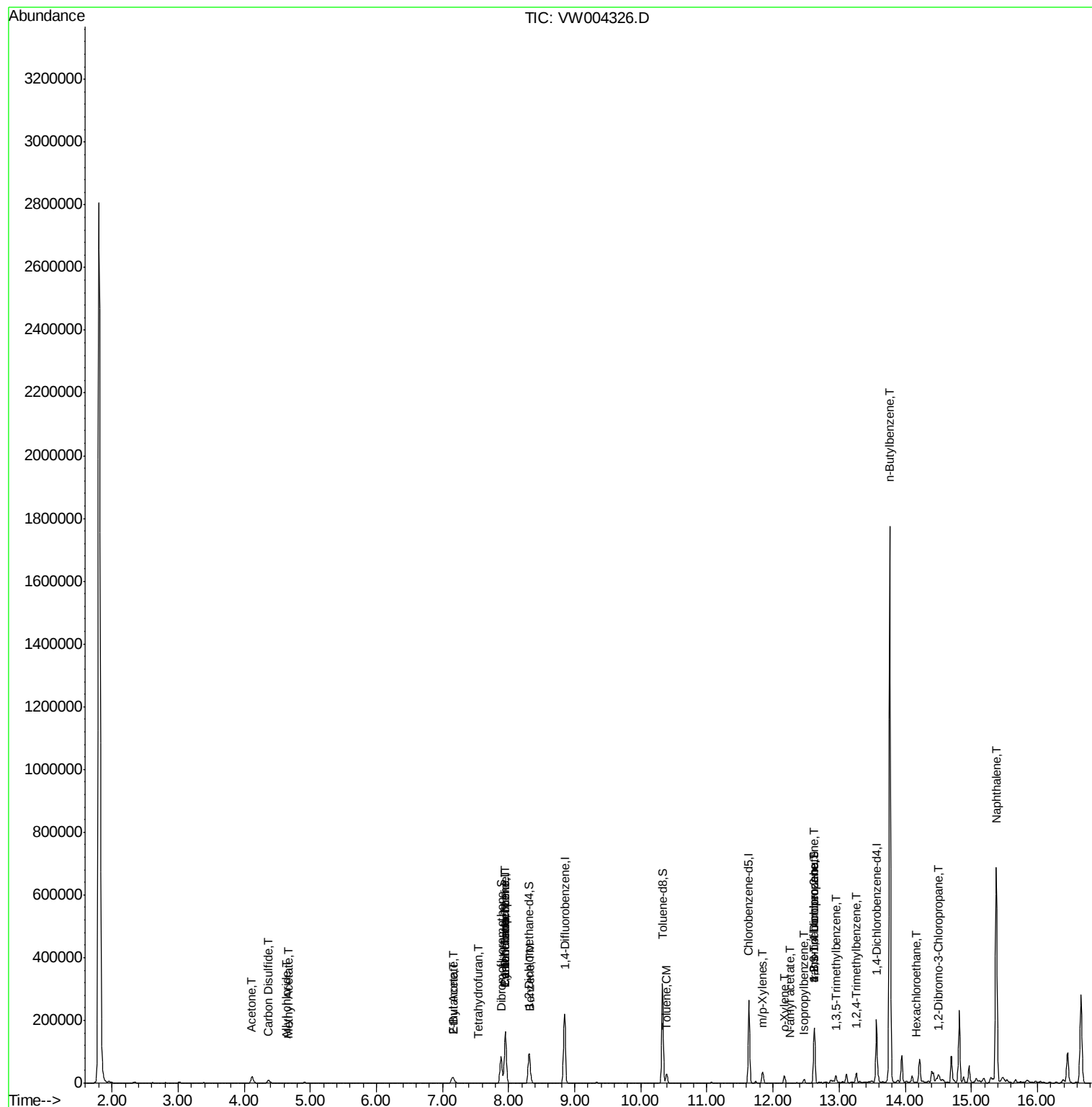
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.34	50	41	Below Cal	#	44
11) Tert butyl alcohol	5.18	59	260	Below Cal	#	72
14) Allyl chloride	4.64	41	23	1.521	ug/l #	25
16) Acetone	4.12	43	33485	108.654	ug/l	99
17) Carbon Disulfide	4.37	76	20009	5.495	ug/l	96
18) Methyl Acetate	4.67	43	183	1.110	ug/l #	54
25) 2-Butanone	7.18	43	8409	22.736	ug/l	98
29) Tetrahydrofuran	7.54	42	196	3.420	ug/l #	56
31) Cyclohexane	7.95	56	2568	1.130	ug/l #	20
36) 1,1-Dichloropropene	7.95	75	8859	4.533	ug/l #	50
37) Ethyl Acetate	7.18	43	8409	10.500	ug/l #	69
38) Carbon Tetrachloride	7.95	117	12471	6.463	ug/l #	16
40) Benzene	8.32	78	26950	4.902	ug/l	97
52) Toluene	10.39	92	12801	3.709	ug/l	99
68) m/p-Xylenes	11.85	106	10838	5.155	ug/l	97
69) o-Xylene	12.17	106	6210	3.197	ug/l	96
73) Isopropylbenzene	12.47	105	7243	1.906	ug/l	96
74) N-amyl acetate	12.26	43	256	2.145	ug/l #	42
76) 1,2,3-Trichloropropane	12.62	75	27710	55.405	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	9976	3.048	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.62	75	27710	128.921	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.26	105	16707	5.004	ug/l	98
89) n-Butylbenzene	13.77	91	148956	44.587	ug/l #	42
90) Hexachloroethane	14.16	117	1504	2.357	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.50	75	710	6.111	ug/l #	1
95) Naphthalene	15.38	128	586178	294.995	ug/l	99

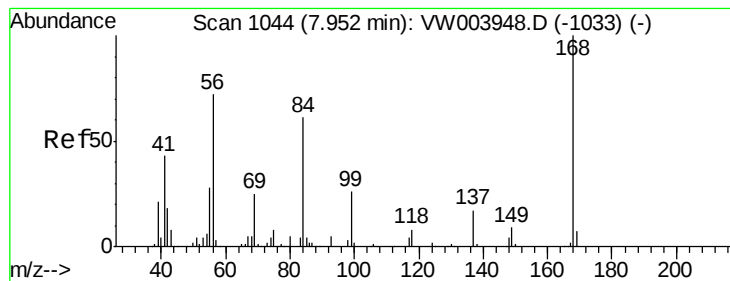
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW073018\
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Acq On : 29 Jul 2018 20:49
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Instrument :
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ClientSampleId :

Quant Time: Jul 30 04:35:07 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W073018S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 30 02:37:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004326.D

Acq: 29 Jul 2018 20:49

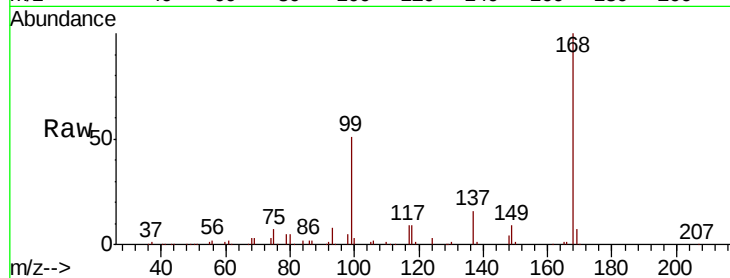
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 132020

Ion Ratio Lower Upper

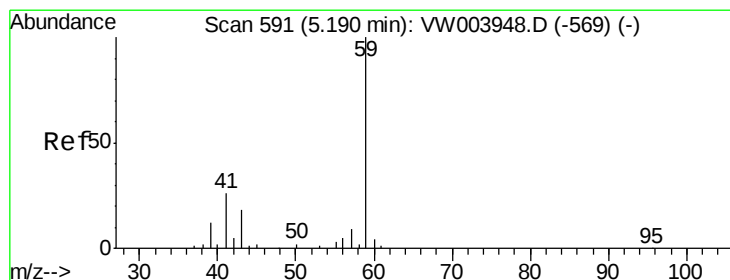
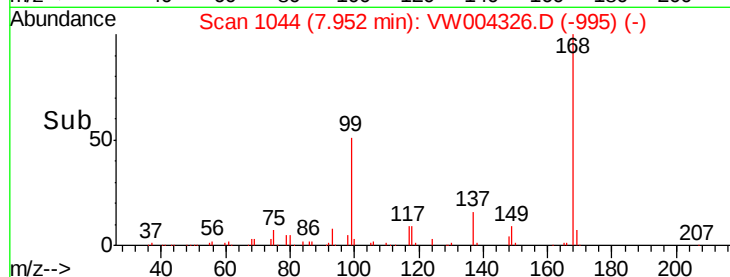
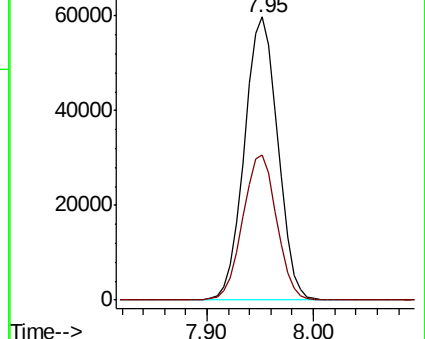
168 100

99 51.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 589

Delta R.T. 0.01 min

Lab File: VW004326.D

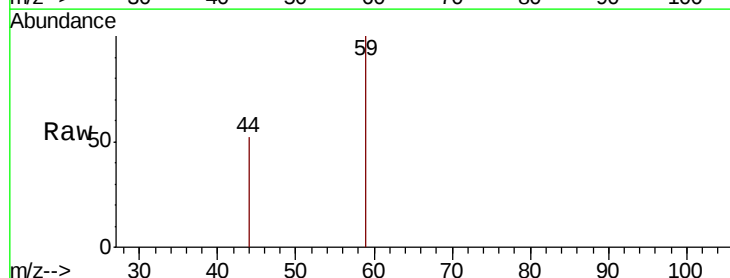
Acq: 29 Jul 2018 20:49

Tgt Ion: 59 Resp: 260

Ion Ratio Lower Upper

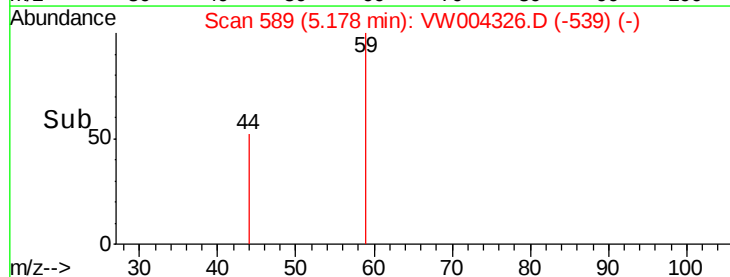
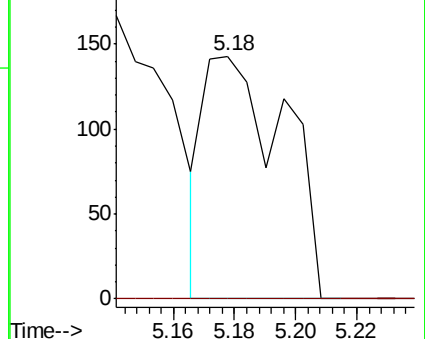
59 100

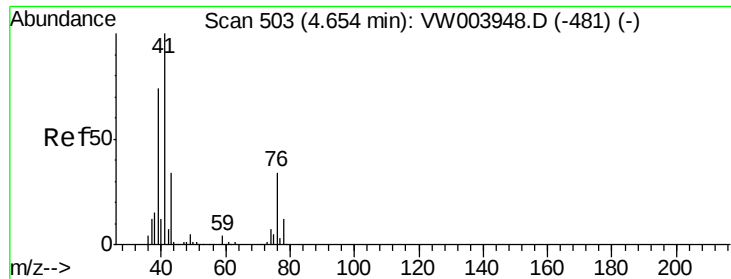
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#14

Allvl chloride

Concen: 1.521 ug/l

RT: 4.64 min Scan# 501

Delta R.T. -0.02 min

Lab File: VW004326.D

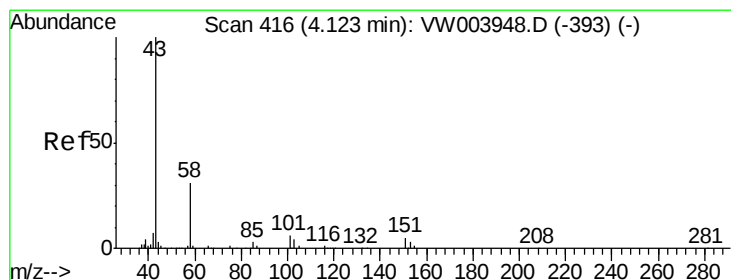
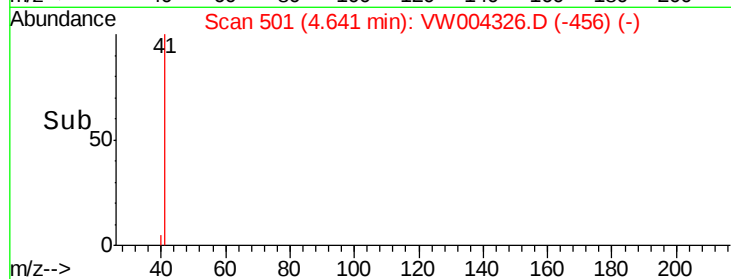
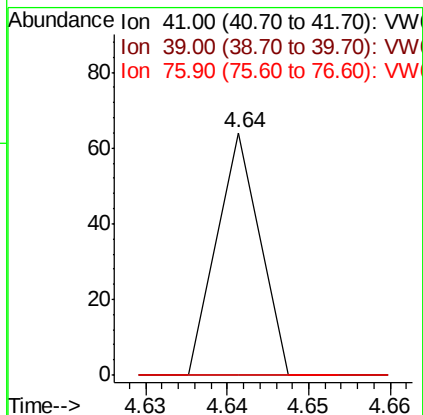
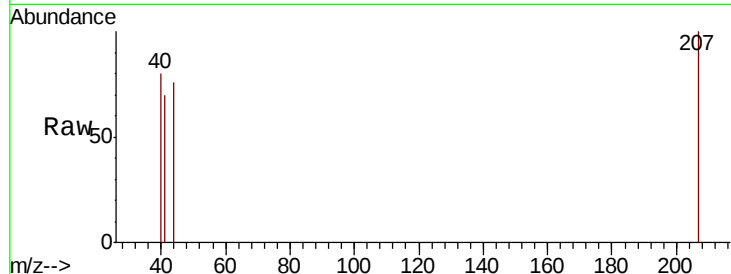
Acq: 29 Jul 2018 20:49

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	41	Resp:	23
Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.3	78.5#
76	0.0	27.3	40.9#



#16

Acetone

Concen: 108.654 ug/l

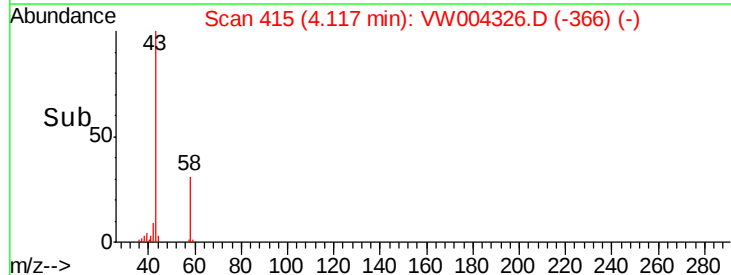
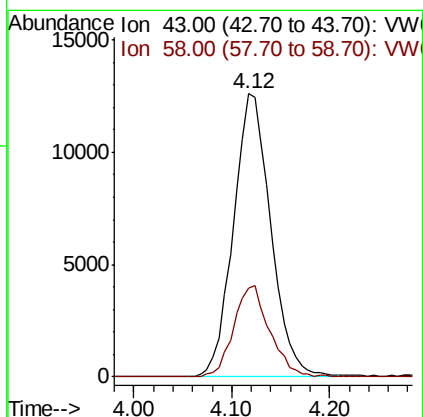
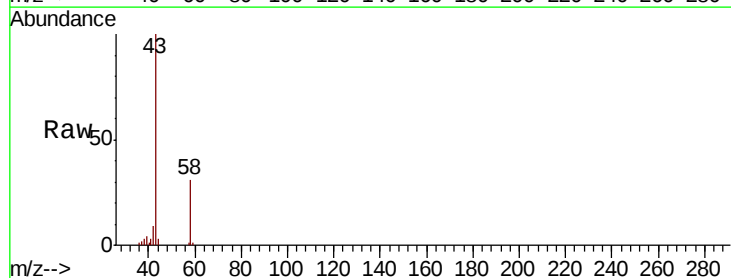
RT: 4.12 min Scan# 415

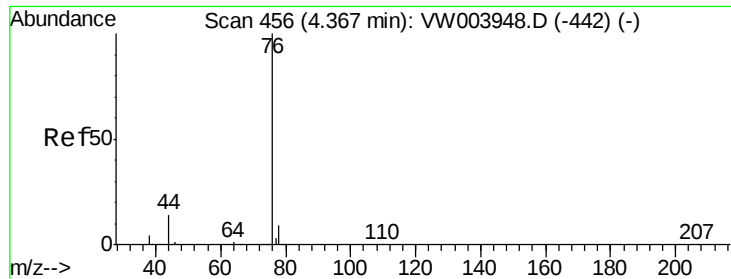
Delta R.T. 0.00 min

Lab File: VW004326.D

Acq: 29 Jul 2018 20:49

Tgt Ion:	43	Resp:	33485
Ion	Ratio	Lower	Upper
43	100		
58	31.5	24.8	37.2





#17

Carbon Disulfide

Concen: 5.495 ug/l

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW004326.D

Acq: 29 Jul 2018 20:49

Instrument :

MSVOA_W

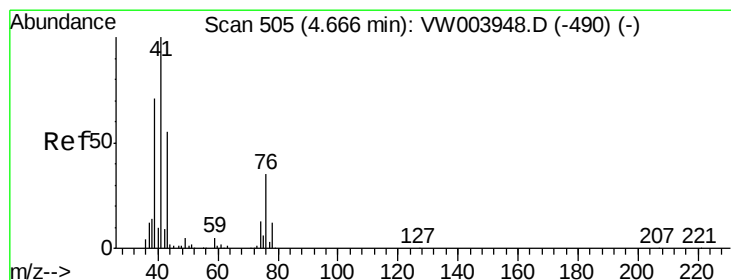
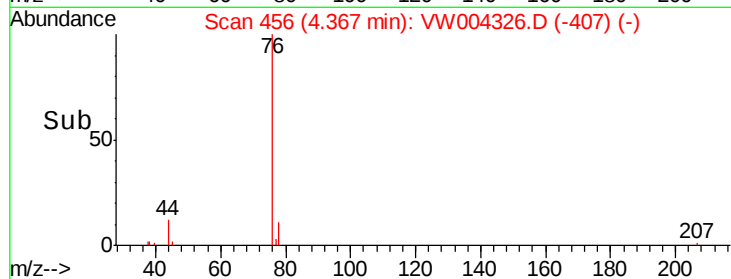
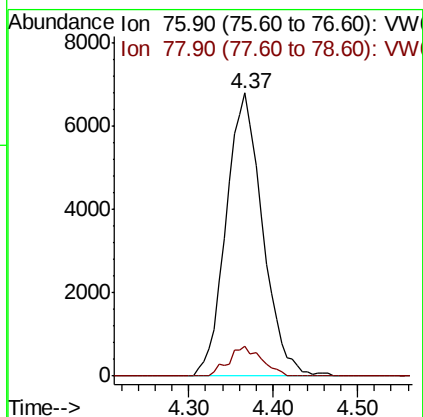
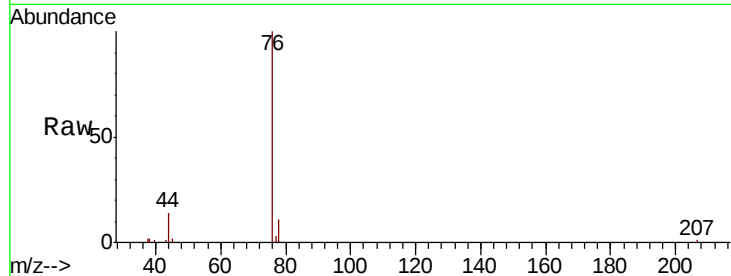
ClientSampleId :

Tot Ion: 76 Resp: 20009

Ion Ratio Lower Upper

76 100

78 10.6 7.4 11.0



#18

Methyl Acetate

Concen: 1.110 ug/l

RT: 4.67 min Scan# 506

Delta R.T. -0.00 min

Lab File: VW004326.D

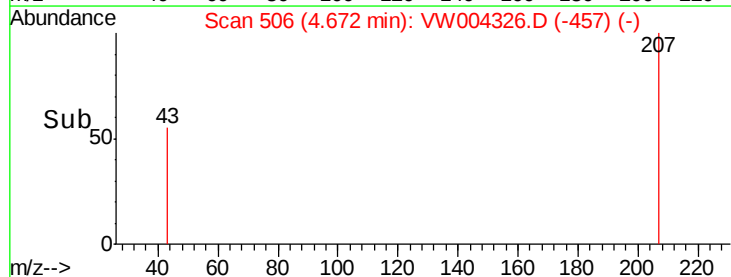
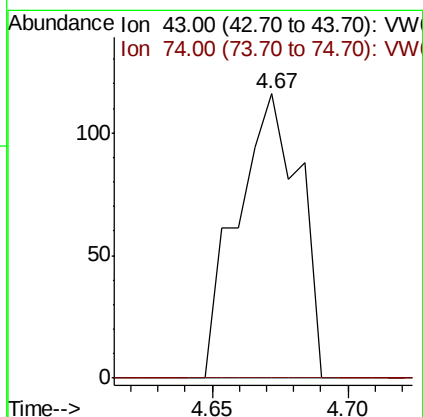
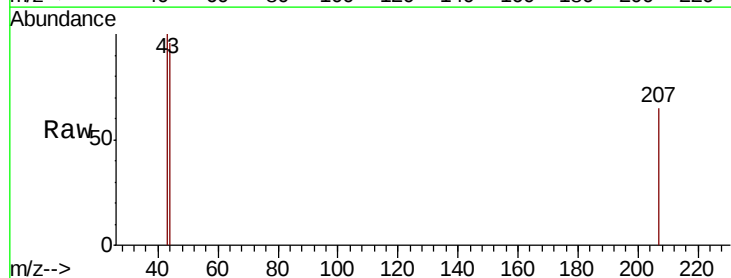
Acq: 29 Jul 2018 20:49

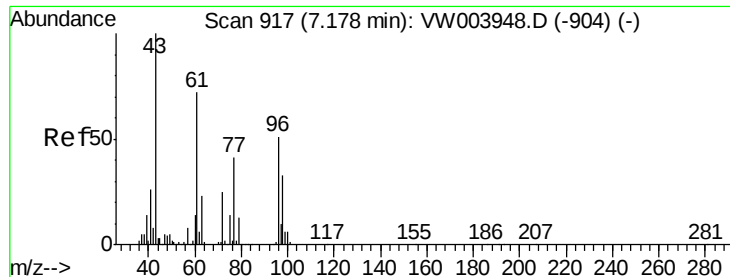
Tgt Ion: 43 Resp: 183

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.6#





#25

2-Butanone

Concen: 22.736 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW004326.D

Acq: 29 Jul 2018 20:49

Instrument :

MSVOA_W

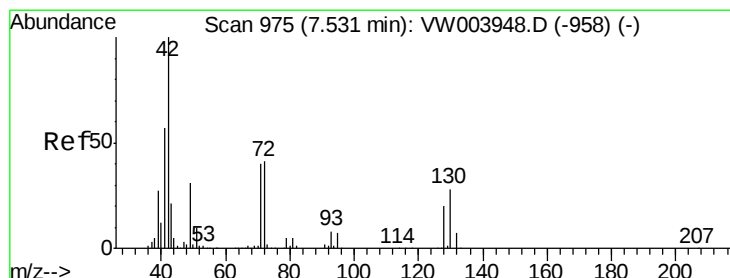
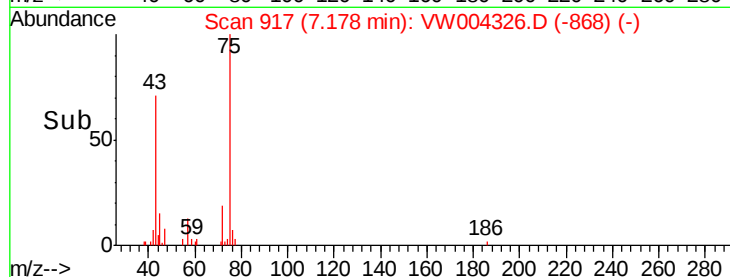
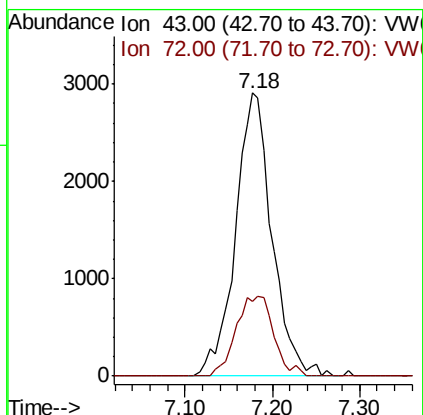
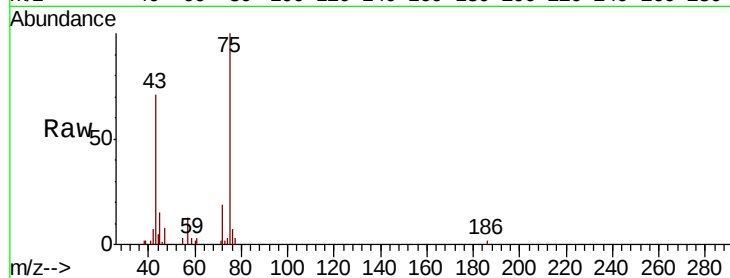
ClientSampleId :

Tot Ion: 43 Resp: 8409

Ion Ratio Lower Upper

43 100

72 26.6 20.3 30.5



#29

Tetrahydrofuran

Concen: 3.420 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.01 min

Lab File: VW004326.D

Acq: 29 Jul 2018 20:49

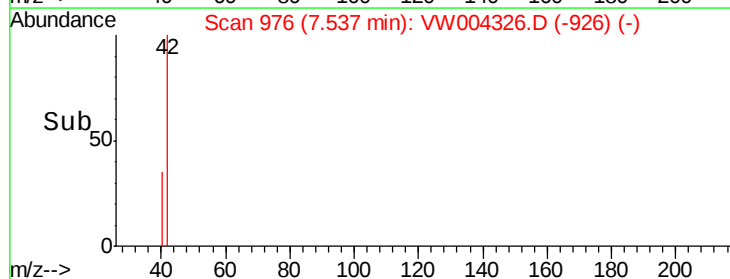
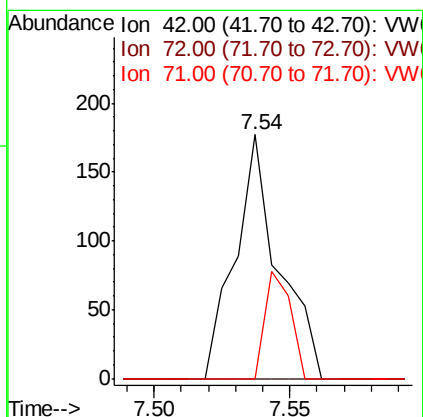
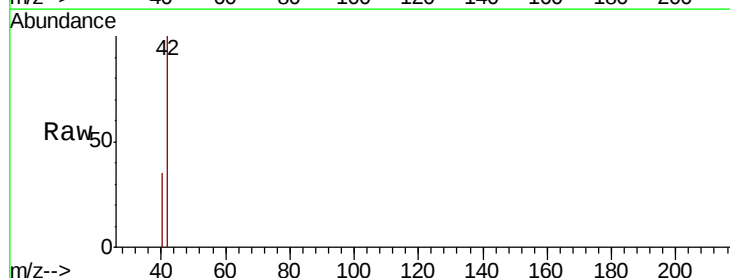
Tgt Ion: 42 Resp: 196

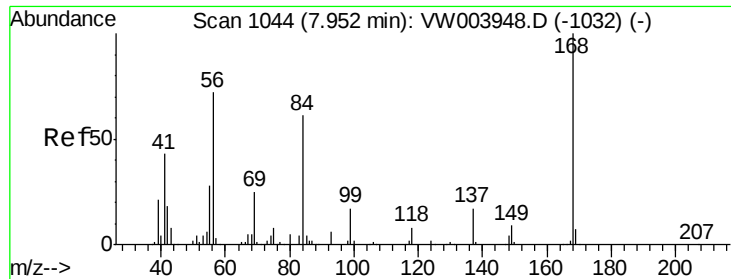
Ion Ratio Lower Upper

42 100

72 0.0 32.6 48.8#

71 25.5 31.3 46.9#

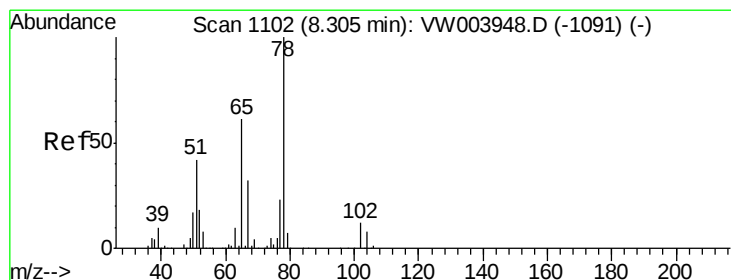
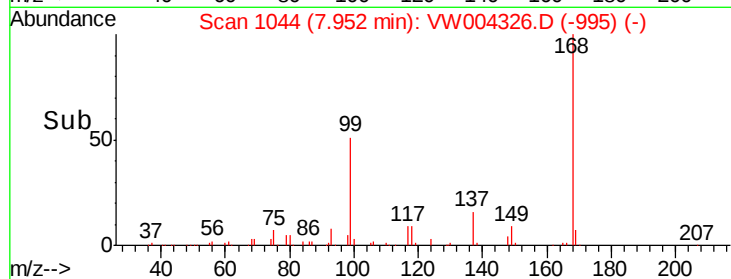
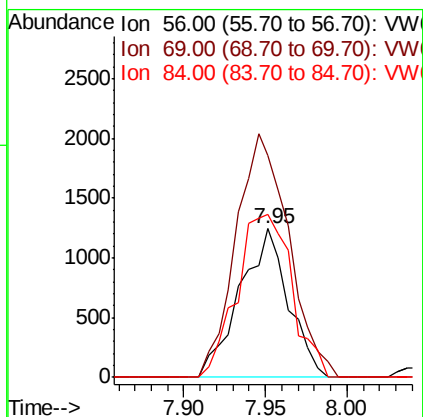
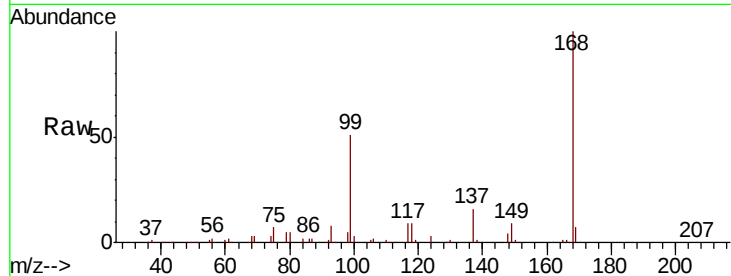




#31
Cyclohexane
Concen: 1.130 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW004326.D
Acq: 29 Jul 2018 20:49

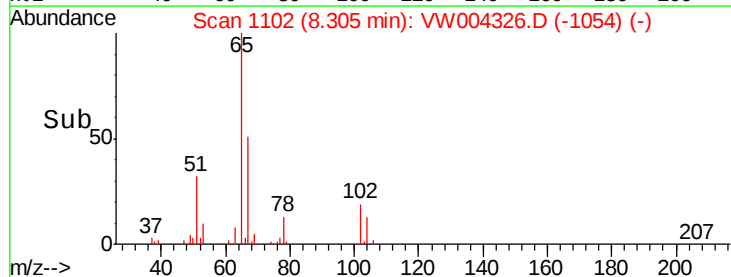
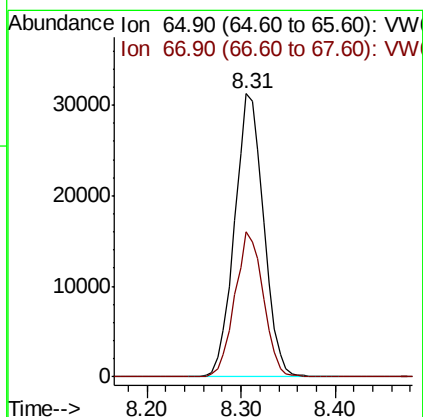
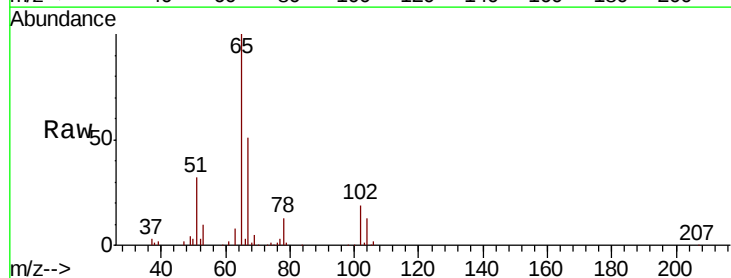
Instrument :
MSVOA_W
ClientSampled :

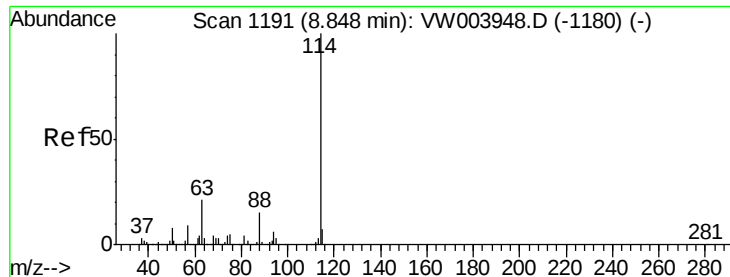
Tot Ion: 56 Resp: 2568
Ion Ratio Lower Upper
56 100
69 149.3 26.3 39.5#
84 110.0 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 50.582 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.01 min
Lab File: VW004326.D
Acq: 29 Jul 2018 20:49

Tgt Ion: 65 Resp: 67361
Ion Ratio Lower Upper
65 100
67 50.2 0.0 106.4

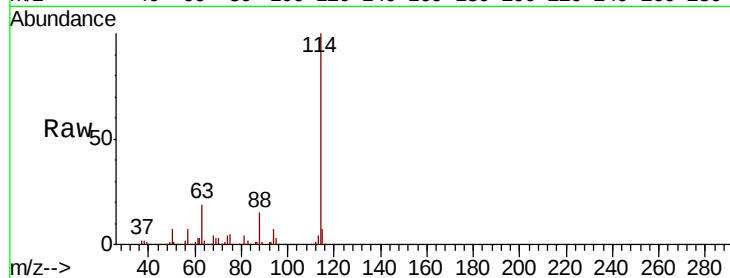




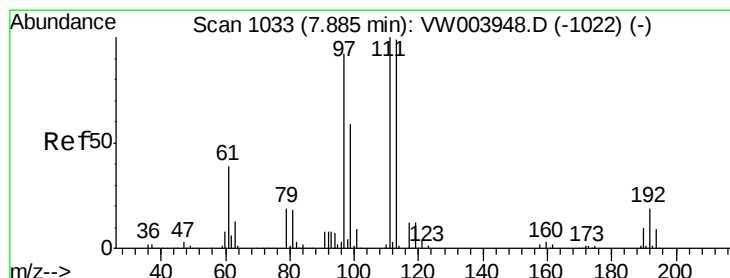
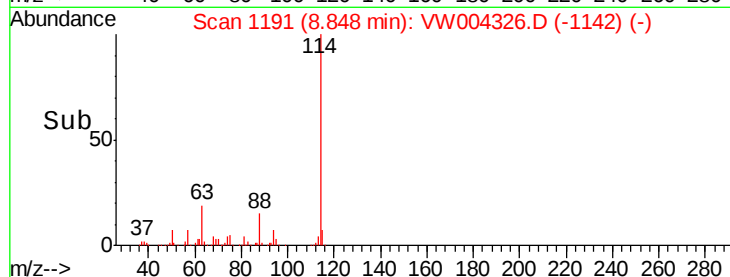
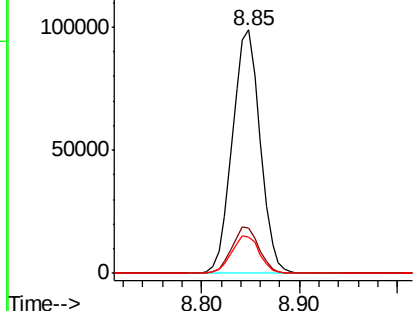
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004326.D
 Acq: 29 Jul 2018 20:49

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	41.4
88	14.9	0.0	30.6

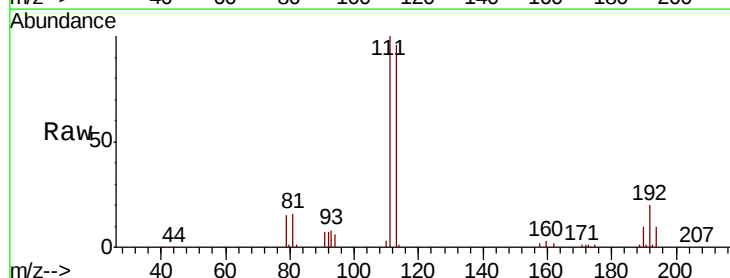


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

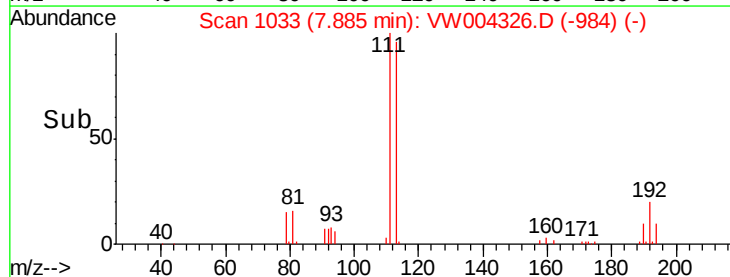
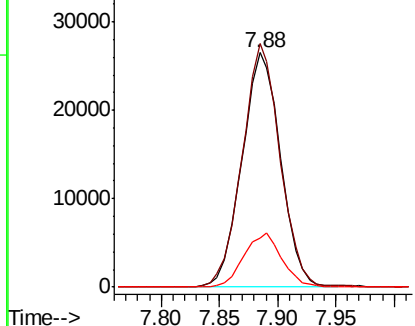


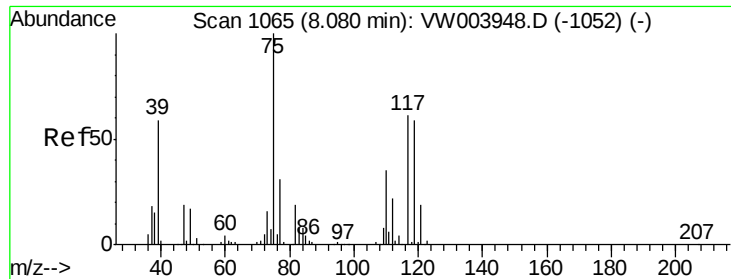
#35
 Dibromofluoromethane
 Concen: 49.516 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004326.D
 Acq: 29 Jul 2018 20:49

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.1	123.1
192	22.5	16.2	24.4



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

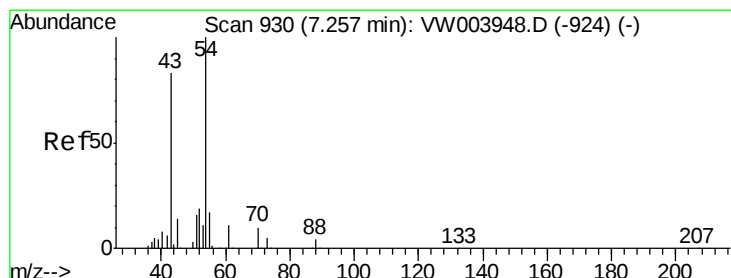
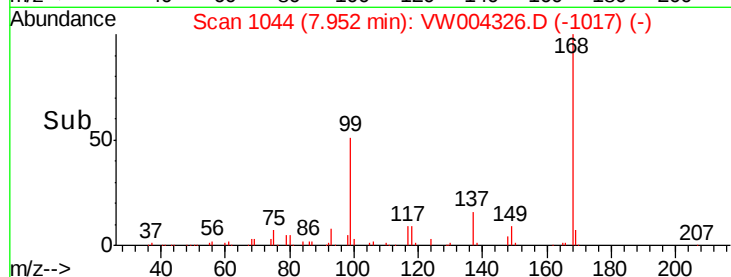
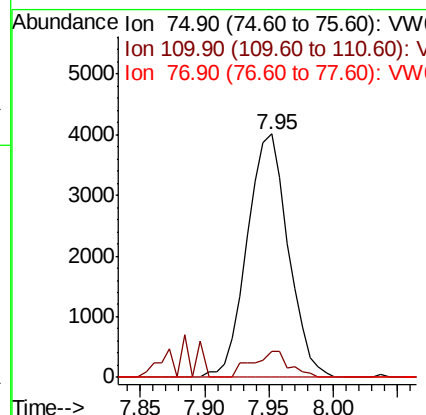
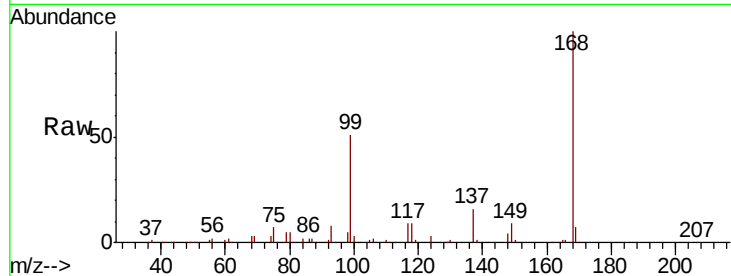




#36
 1,1-Dichloropropene
 Concen: 4.533 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004326.D
 Acq: 29 Jul 2018 20:49

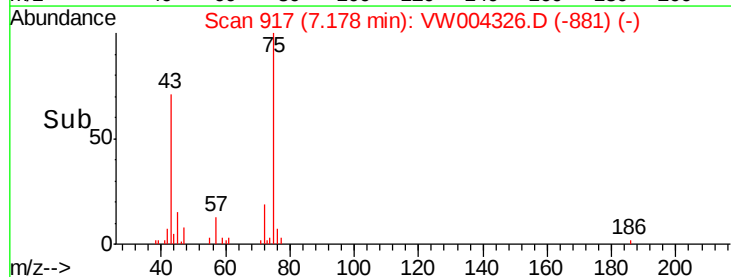
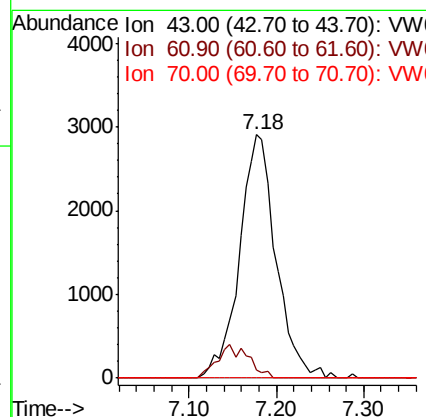
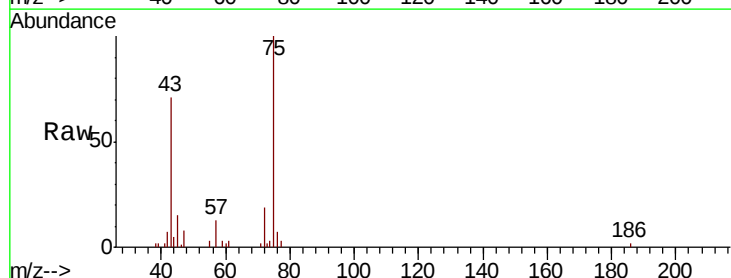
Instrument :
 MSVOA_W
 ClientSampled :

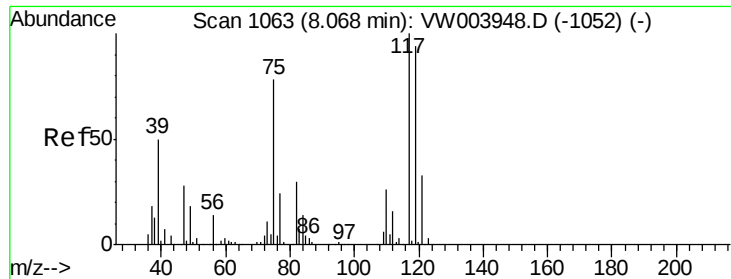
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.3	52.0#
77	0.0	25.0	37.6#



#37
 Ethyl Acetate
 Concen: 10.500 ug/l
 RT: 7.18 min Scan# 917
 Delta R.T. -0.08 min
 Lab File: VW004326.D
 Acq: 29 Jul 2018 20:49

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.1	16.7#
70	0.0	7.8	11.6#

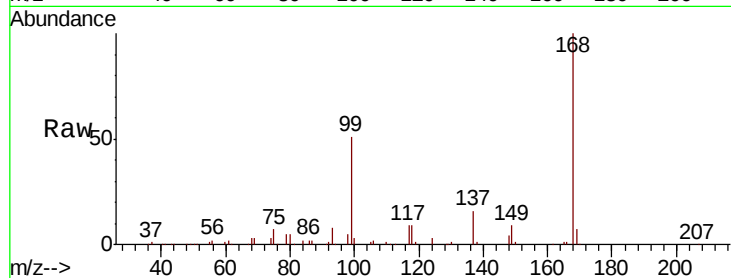




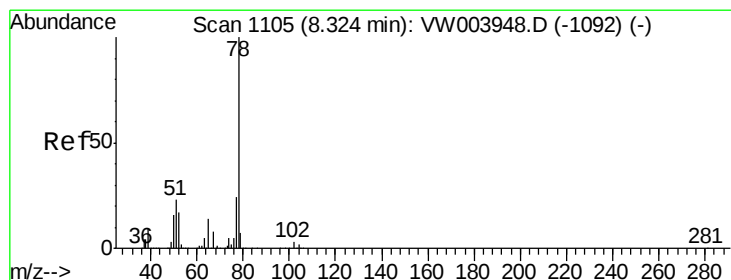
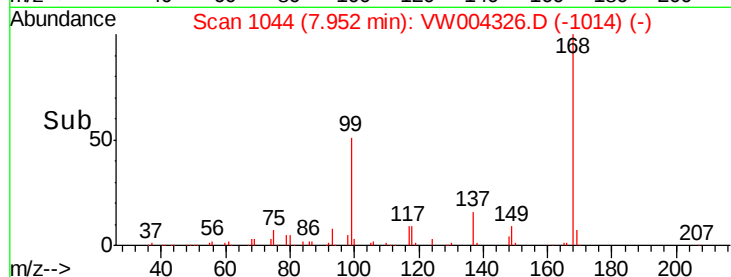
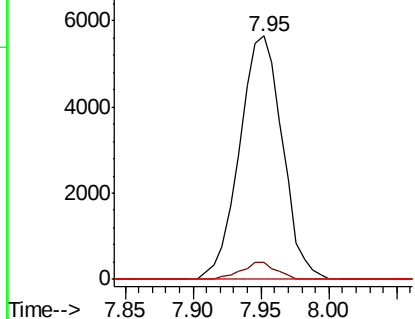
#38
Carbon Tetrachloride
Concen: 6.463 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW004326.D
Acq: 29 Jul 2018 20:49

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 12471
Ion Ratio Lower Upper
117 100
119 6.9 79.7 119.5#
121 0.0 25.7 38.5#

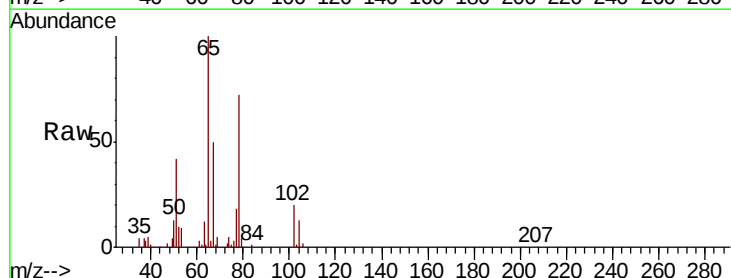


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

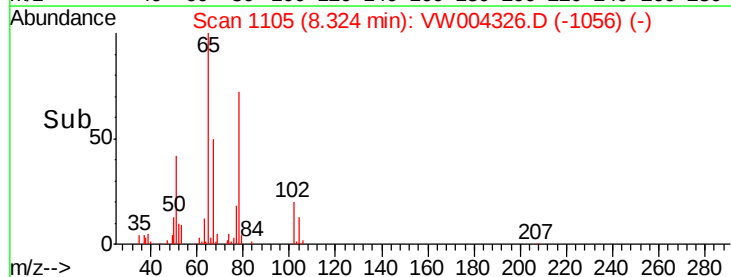
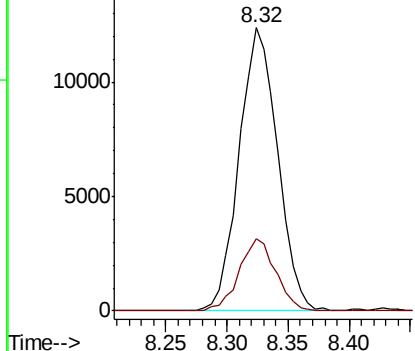


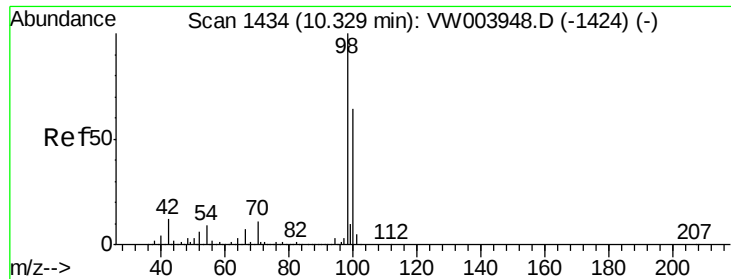
#40
Benzene
Concen: 4.902 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW004326.D
Acq: 29 Jul 2018 20:49

Tgt Ion: 78 Resp: 26950
Ion Ratio Lower Upper
78 100
77 25.5 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

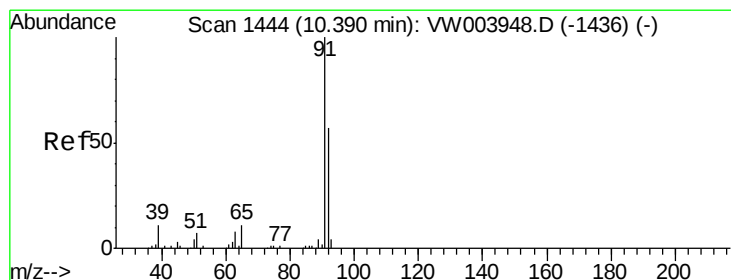
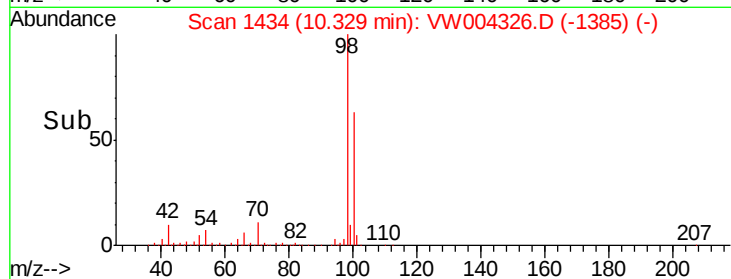
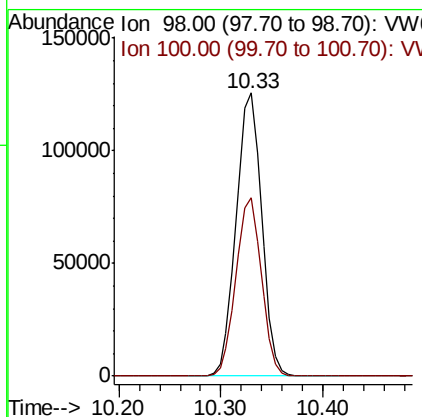
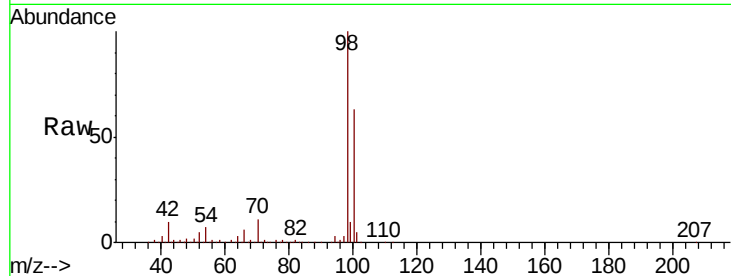




#50
Toluene-d8
Concen: 44.607 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004326.D
Acq: 29 Jul 2018 20:49

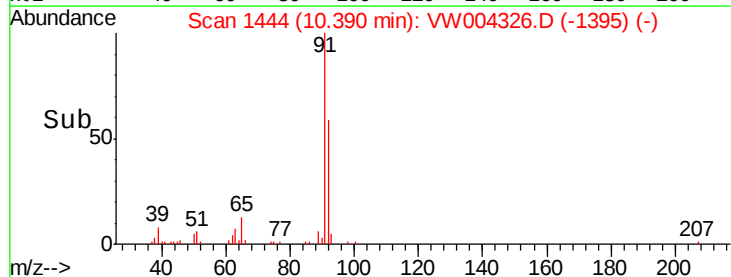
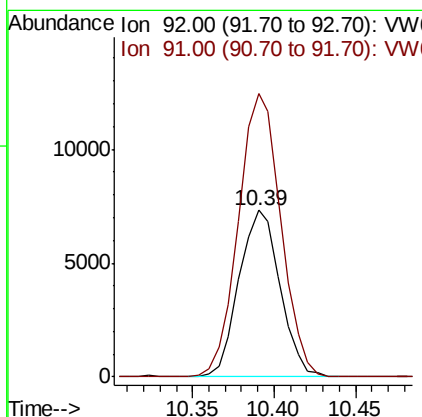
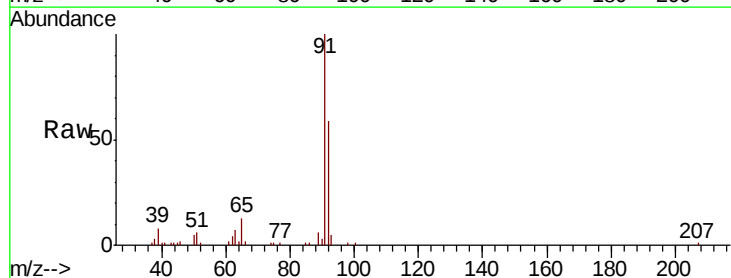
Instrument :
MSVOA_W
ClientSampled :

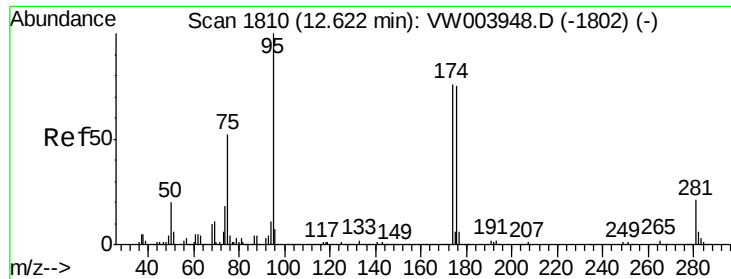
Tot Ion: 98 Resp: 217638
Ion Ratio Lower Upper
98 100
100 62.9 51.5 77.3



#52
Toluene
Concen: 3.709 ug/l
RT: 10.39 min Scan# 1444
Delta R.T. -0.00 min
Lab File: VW004326.D
Acq: 29 Jul 2018 20:49

Tgt Ion: 92 Resp: 12801
Ion Ratio Lower Upper
92 100
91 175.6 139.0 208.4





#62

4-Bromofluorobenzene

Concen: 33.116 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004326.D

Acq: 29 Jul 2018 20:49

Instrument :

MSVOA_W

ClientSampleId :

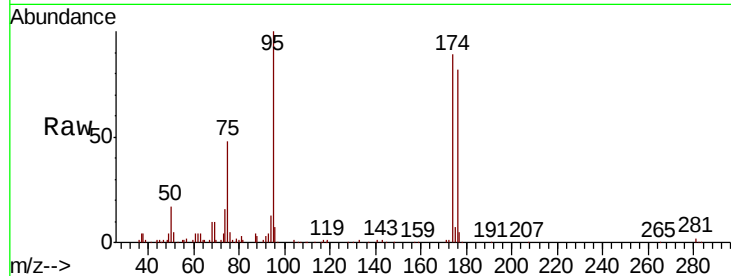
Tot Ion: 95 Resp: 56889

Ion Ratio Lower Upper

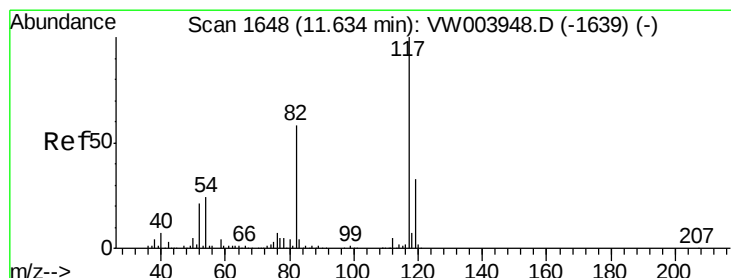
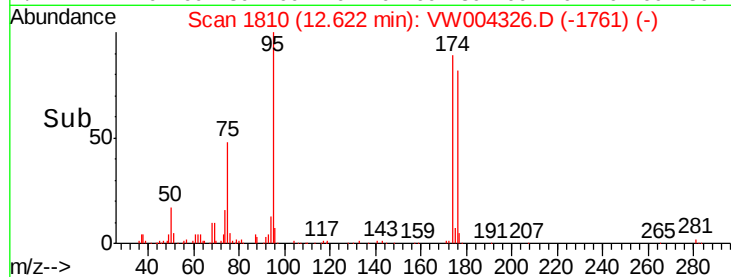
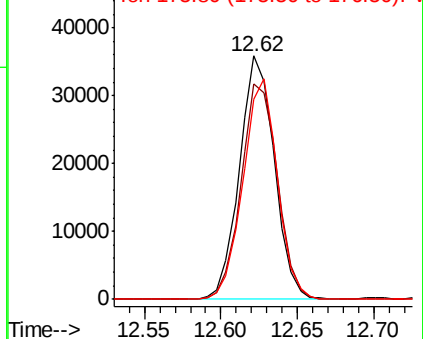
95 100

174 92.0 0.0 167.8

176 89.3 0.0 162.4



Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VW004326.D

Acq: 29 Jul 2018 20:49

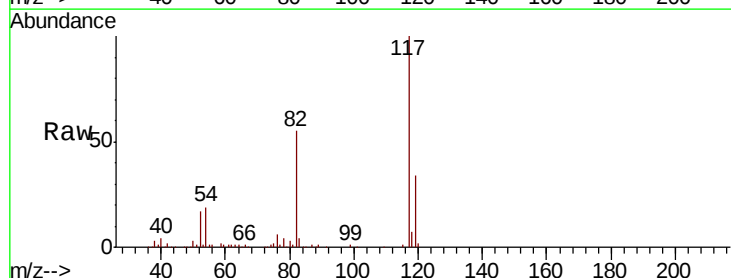
Tgt Ion: 117 Resp: 149234

Ion Ratio Lower Upper

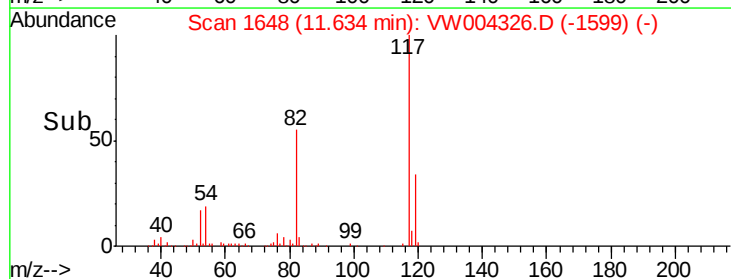
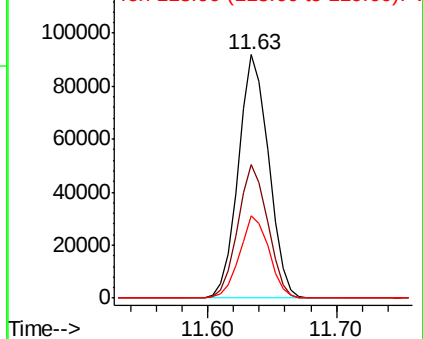
117 100

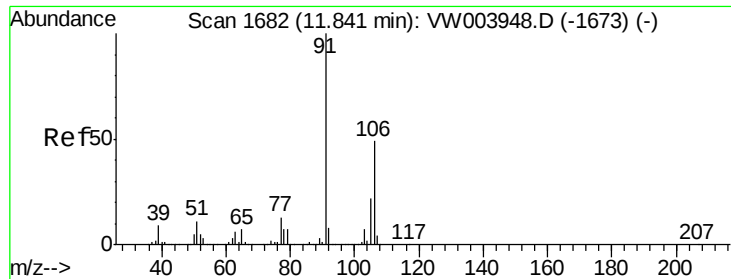
82 54.6 47.9 71.9

119 33.8 27.1 40.7



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

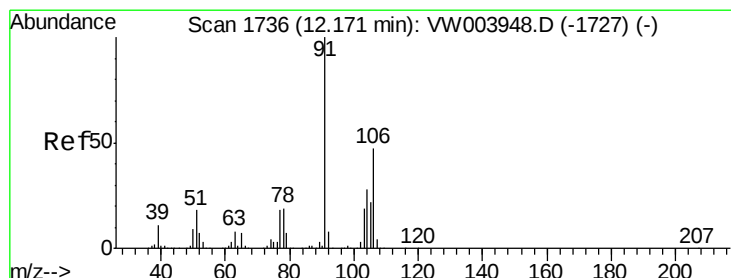
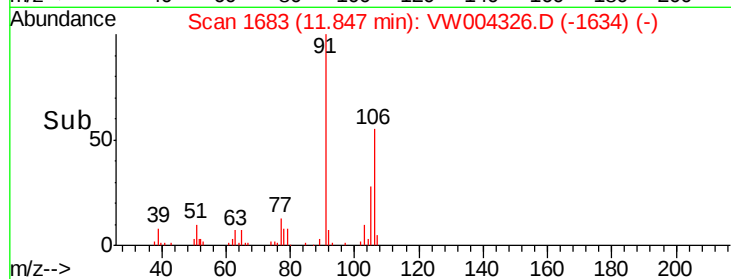
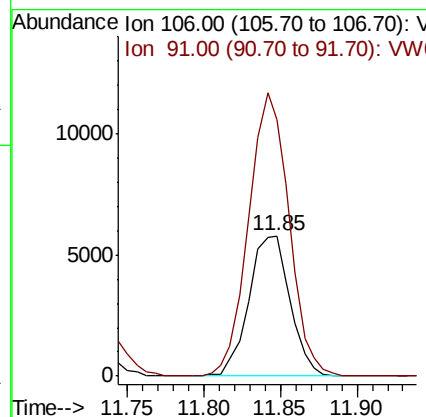
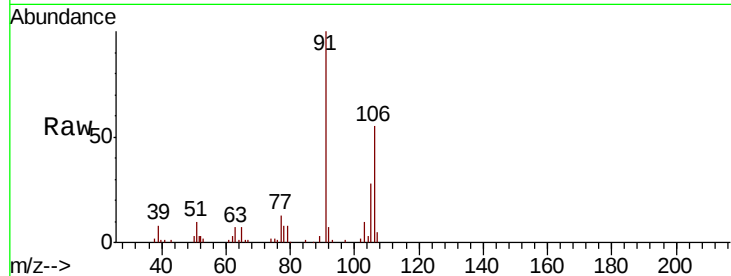




#68
m/p-Xylenes
Concen: 5.155 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW004326.D
Acq: 29 Jul 2018 20:49

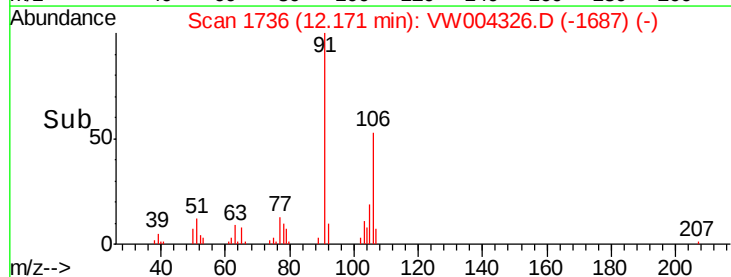
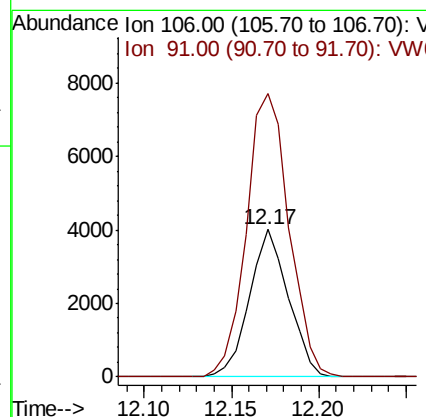
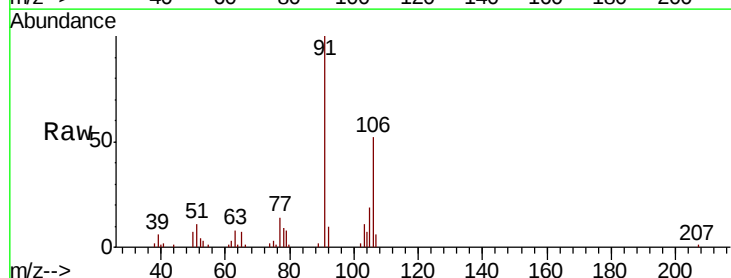
Instrument :
MSVOA_W
ClientSampleId :

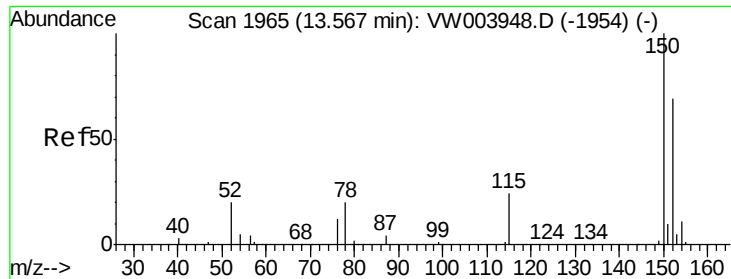
Tot Ion:106 Resp: 10838
Ion Ratio Lower Upper
106 100
91 198.1 162.2 243.2



#69
o-Xylene
Concen: 3.197 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004326.D
Acq: 29 Jul 2018 20:49

Tgt Ion:106 Resp: 6210
Ion Ratio Lower Upper
106 100
91 210.2 108.7 326.1



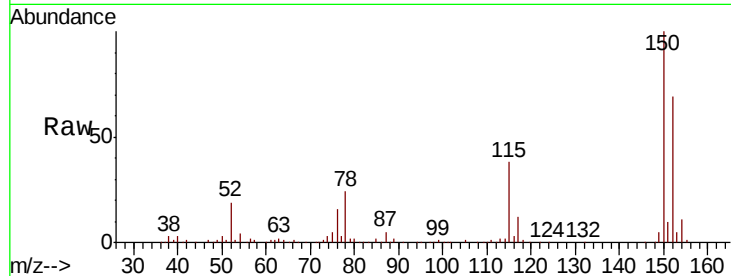


#72

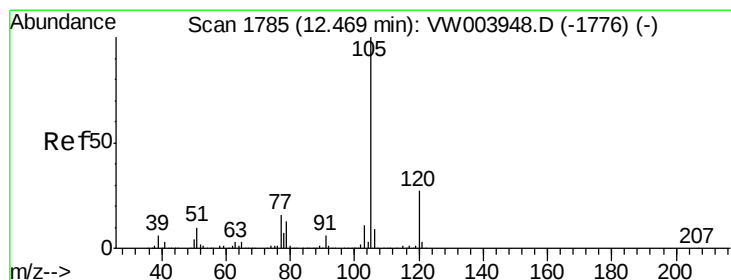
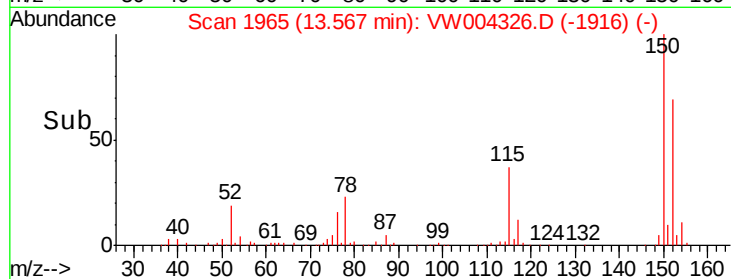
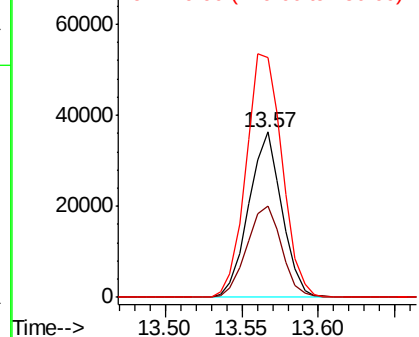
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004326.D
Acq: 29 Jul 2018 20:49

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 54800
Ion Ratio Lower Upper
152 100
115 58.1 28.8 86.4
150 159.7 0.0 346.4



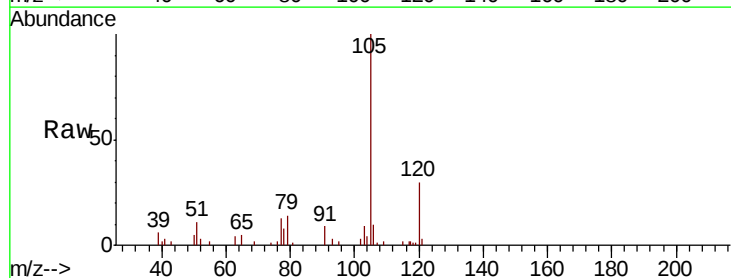
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



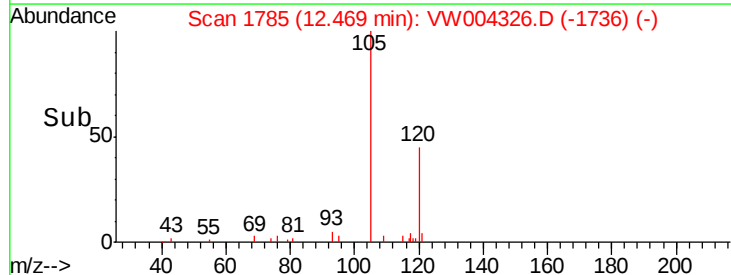
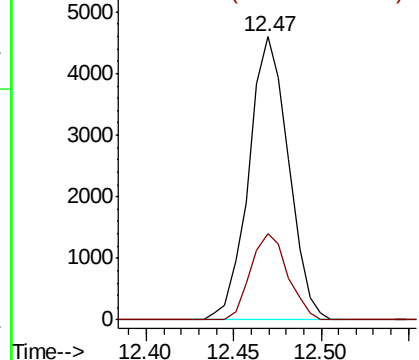
#73

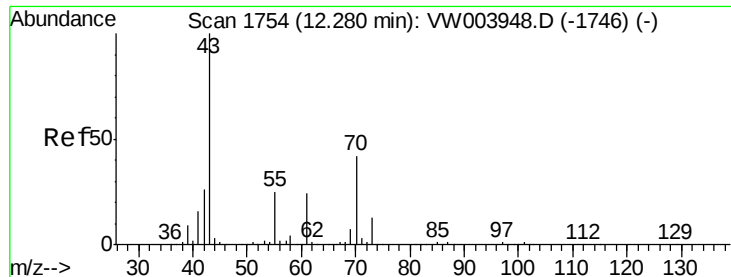
Isopropylbenzene
Concen: 1.906 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VW004326.D
Acq: 29 Jul 2018 20:49

Tgt Ion:105 Resp: 7243
Ion Ratio Lower Upper
105 100
120 28.3 13.2 39.6



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





#74

N-amvl acetate

Concen: 2.145 ug/l

RT: 12.26 min Scan# 1750

Delta R.T. -0.02 min

Lab File: VW004326.D

Acq: 29 Jul 2018 20:49

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 256

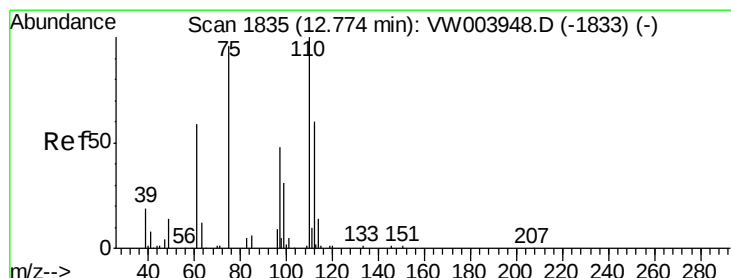
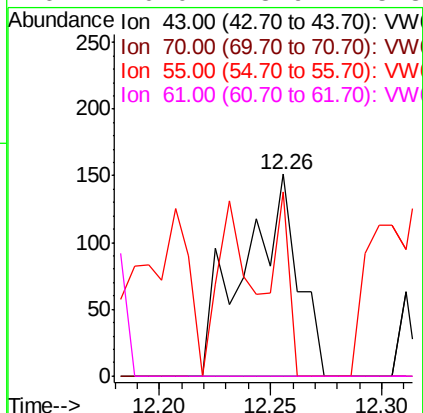
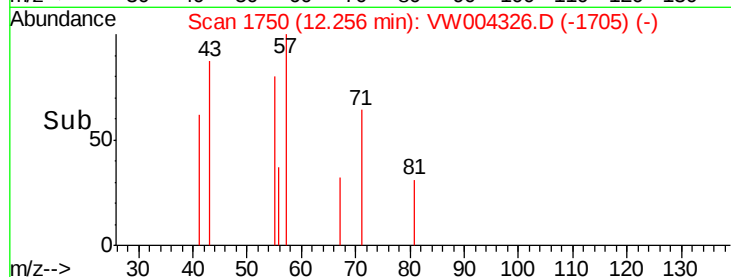
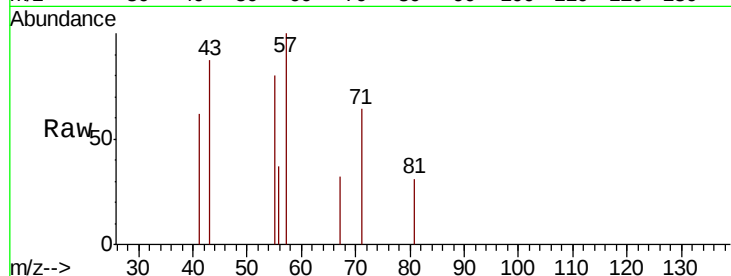
Ion Ratio Lower Upper

43 100

70 0.0 34.2 51.4#

55 0.0 21.8 32.8#

61 0.0 18.9 28.3#



#76

1,2,3-Trichloropropane

Concen: 55.405 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004326.D

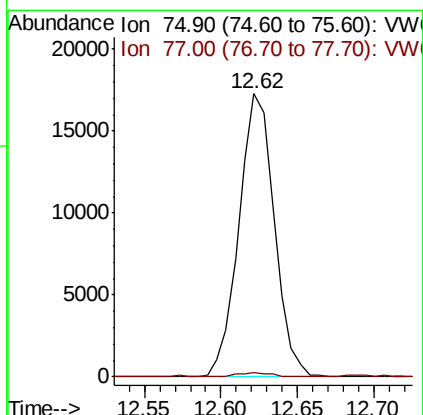
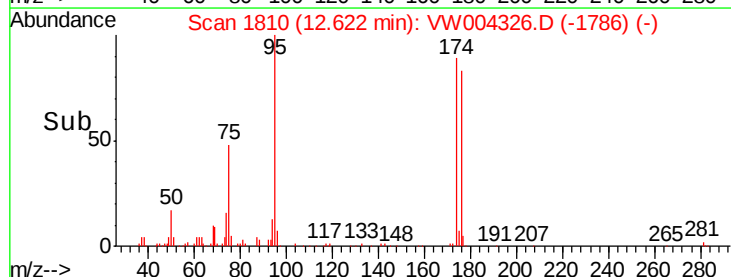
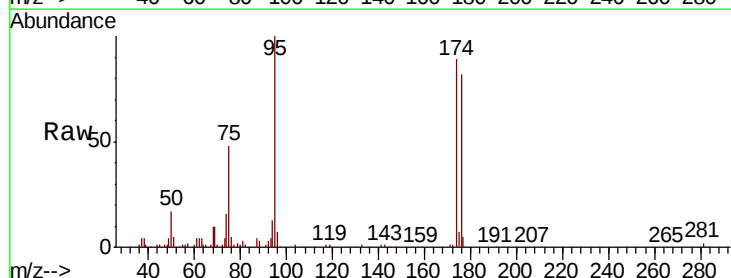
Acq: 29 Jul 2018 20:49

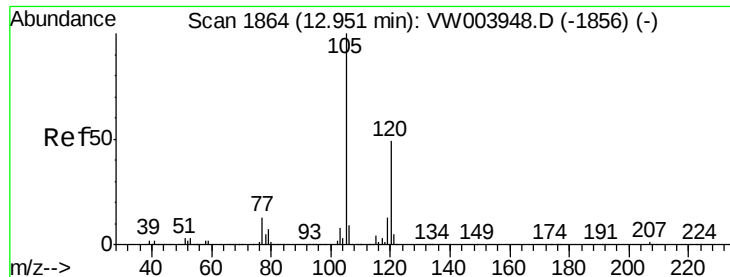
Tgt Ion: 75 Resp: 27710

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 3.048 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004326.D

Acq: 29 Jul 2018 20:49

Instrument :

MSVOA_W

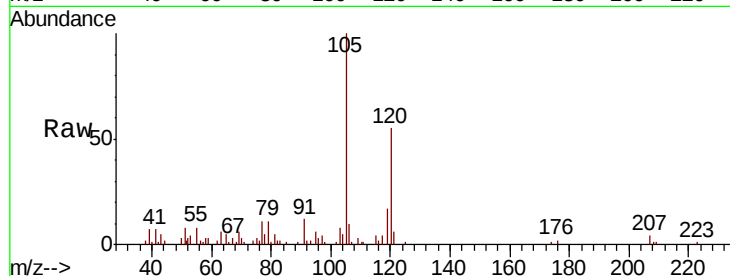
ClientSampled :

Tot Ion:105 Resp: 9976

Ion Ratio Lower Upper

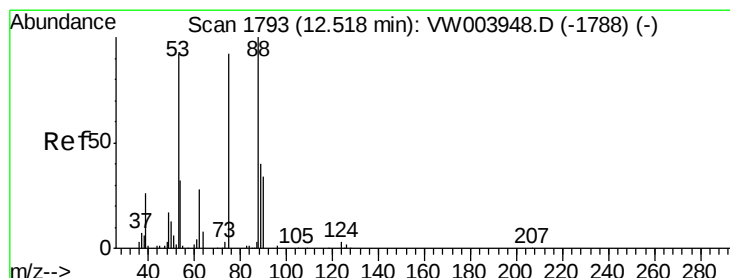
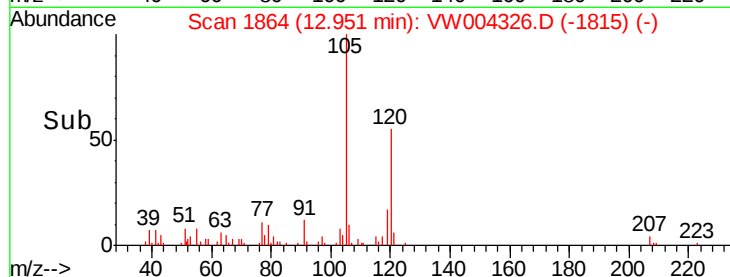
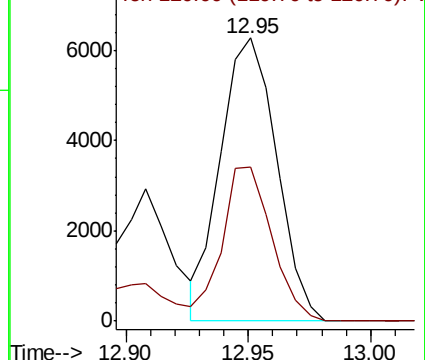
105 100

120 48.4 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 128.921 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004326.D

Acq: 29 Jul 2018 20:49

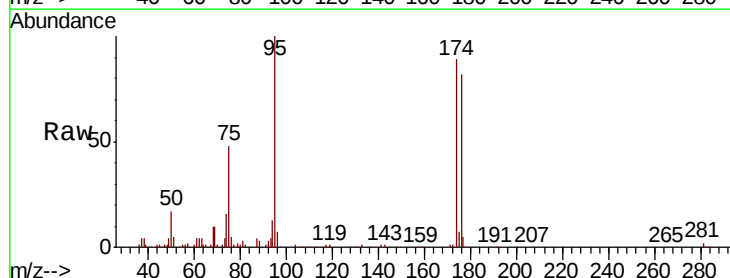
Tgt Ion: 75 Resp: 27710

Ion Ratio Lower Upper

75 100

53 0.2 77.6 116.4#

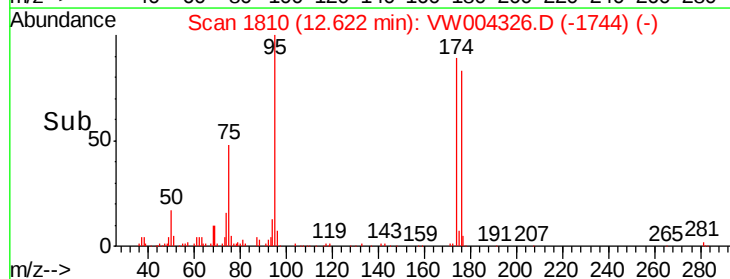
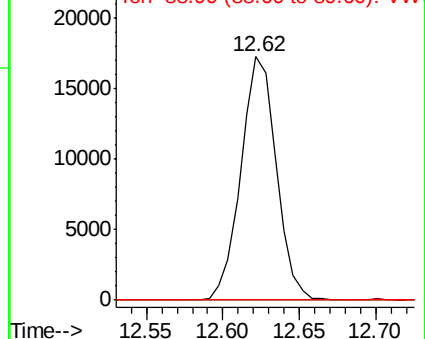
89 0.0 36.0 54.0#

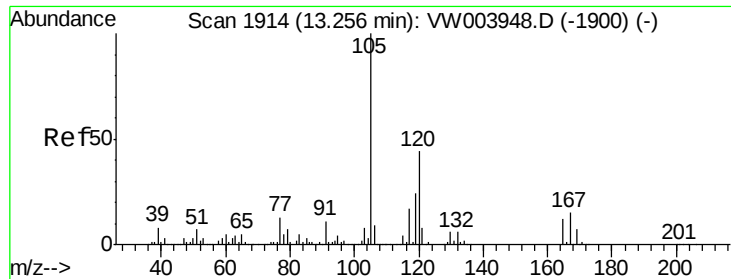


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

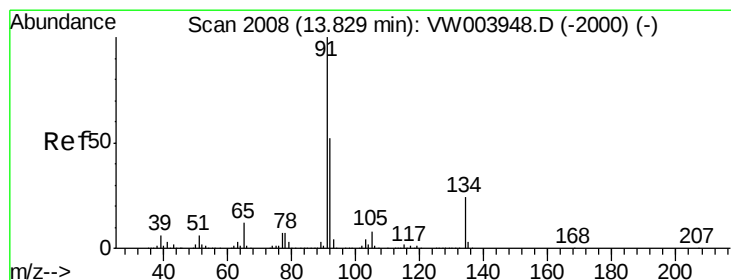
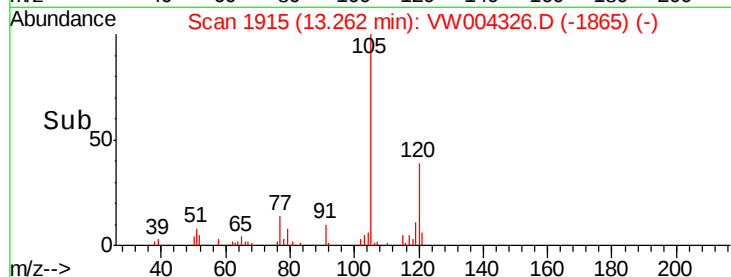
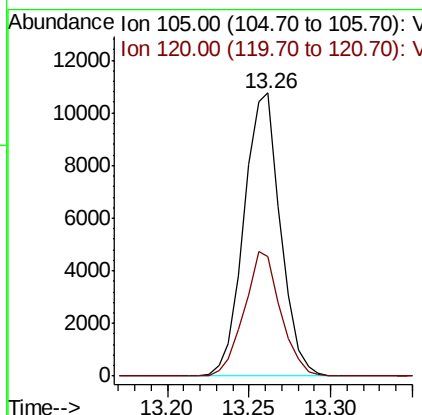
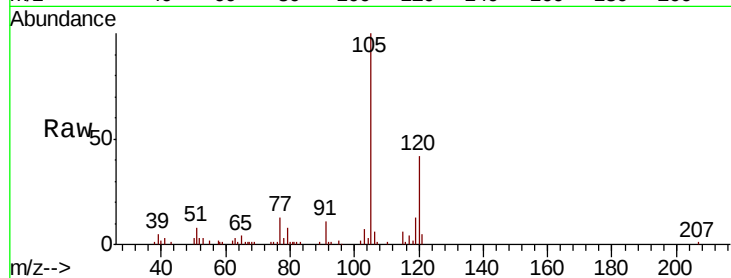




#84
 1,2,4-Trimethylbenzene
 Concen: 5.004 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.01 min
 Lab File: VW004326.D
 Acq: 29 Jul 2018 20:49

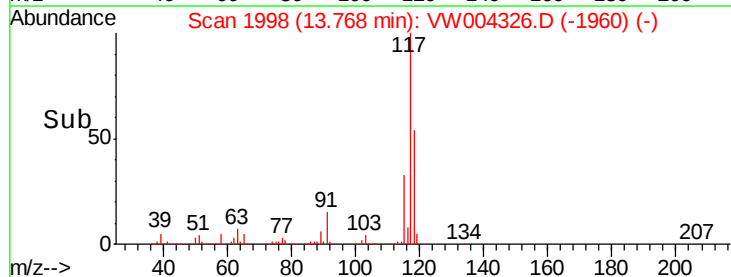
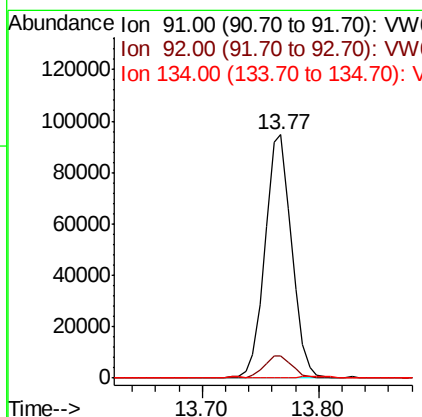
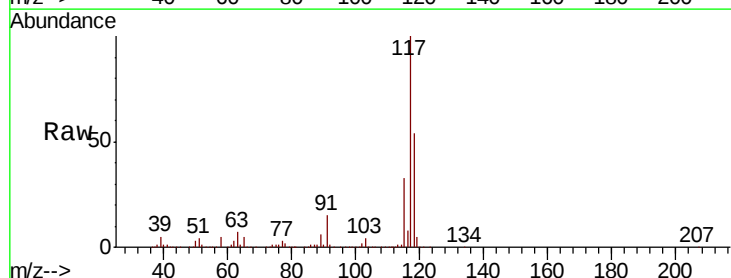
Instrument :
 MSVOA_W
 ClientSampled :

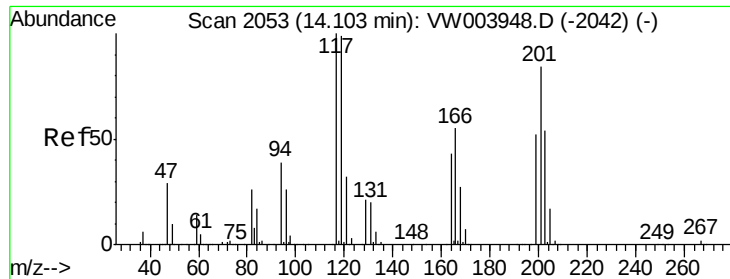
Tot Ion: 105 Resp: 16707
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.7 68.0



#89
 n-Butylbenzene
 Concen: 44.587 ug/l
 RT: 13.77 min Scan# 1998
 Delta R.T. -0.07 min
 Lab File: VW004326.D
 Acq: 29 Jul 2018 20:49

Tgt Ion: 91 Resp: 148956
 Ion Ratio Lower Upper
 91 100
 92 9.6 26.4 79.2#
 134 0.0 12.9 38.6#





#90

Hexachloroethane

Concen: 2.357 ug/l

RT: 14.16 min Scan# 2063

Delta R.T. 0.07 min

Lab File: VW004326.D

Acq: 29 Jul 2018 20:49

Instrument :

MSVOA_W

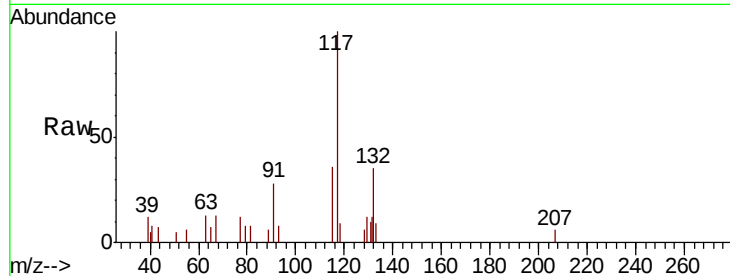
ClientSampleId :

Tot Ion:117 Resp: 1504

Ion Ratio Lower Upper

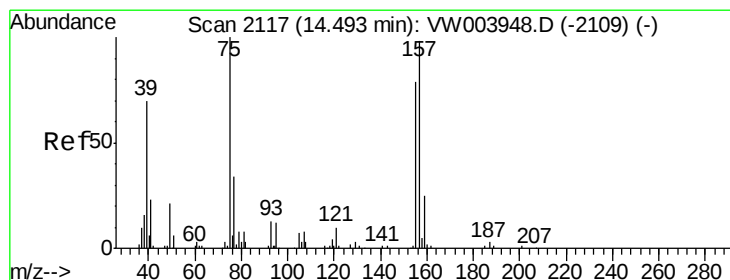
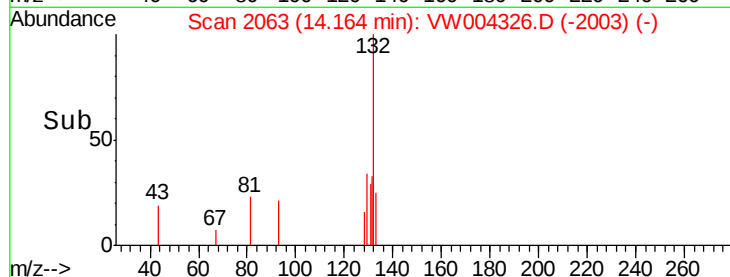
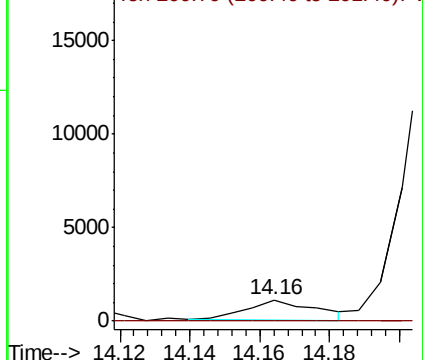
117 100

201 0.0 41.5 124.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 6.111 ug/l

RT: 14.50 min Scan# 2118

Delta R.T. 0.01 min

Lab File: VW004326.D

Acq: 29 Jul 2018 20:49

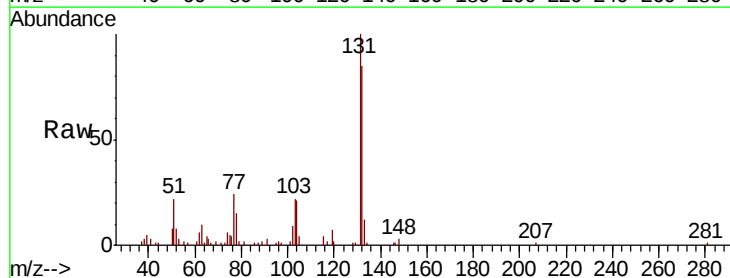
Tgt Ion: 75 Resp: 710

Ion Ratio Lower Upper

75 100

155 0.0 41.4 124.4#

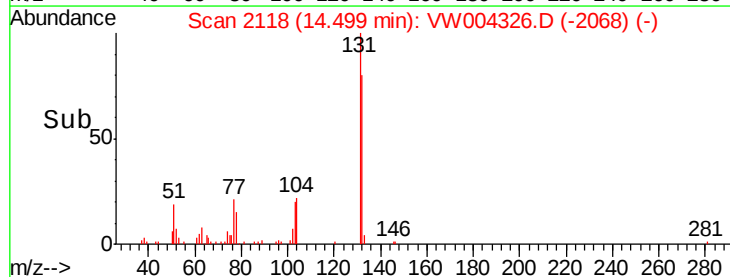
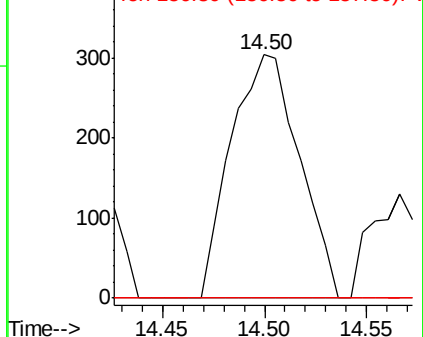
157 0.0 55.2 165.6#

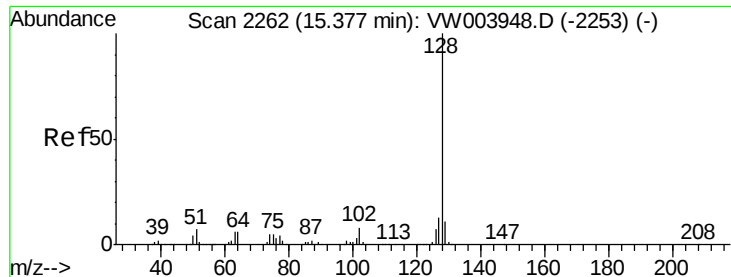


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

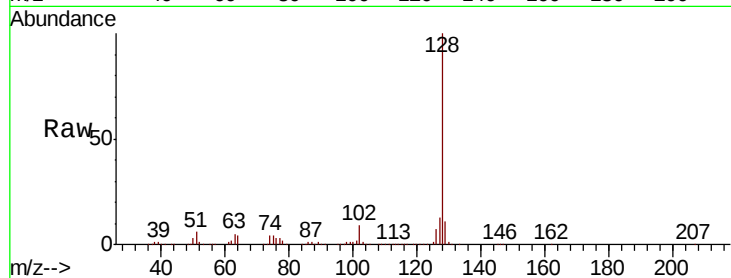




#95
 Naphthalene
 Concen: 294.995 ug/l
 RT: 15.38 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VW004326.D
 Acq: 29 Jul 2018 20:49

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	10.9	8.6	13.0

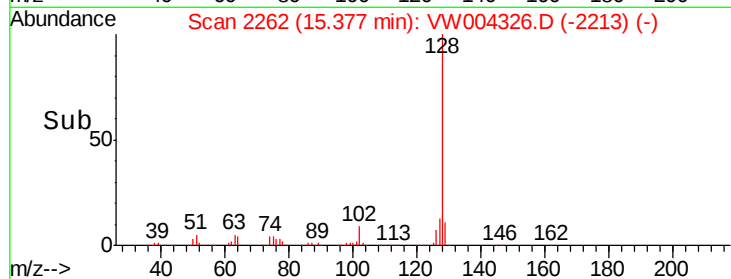
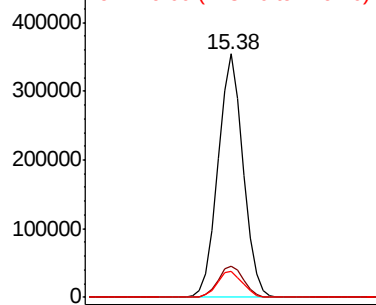


Abundance

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



Time-->