

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072818\
 Data File : VW004260.D
 Acq On : 27 Jul 2018 08:28
 Operator : SY/AP
 Sample : J4099-05RE
 Misc : 5.84G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 27 08:47:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	274587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	455691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	292186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	81634	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	161695	52.68	ug/l	0.00
Spiked Amount			Recovery	=	105.36%	
35) Dibromofluoromethane	7.88	113	104912	35.88	ug/l	0.00
Spiked Amount			Recovery	=	71.76%	
50) Toluene-d8	10.33	98	405525	35.74	ug/l	0.00
Spiked Amount			Recovery	=	71.48%	
62) 4-Bromofluorobenzene	12.62	95	104226	25.48	ug/l	0.00
Spiked Amount			Recovery	=	50.96%	

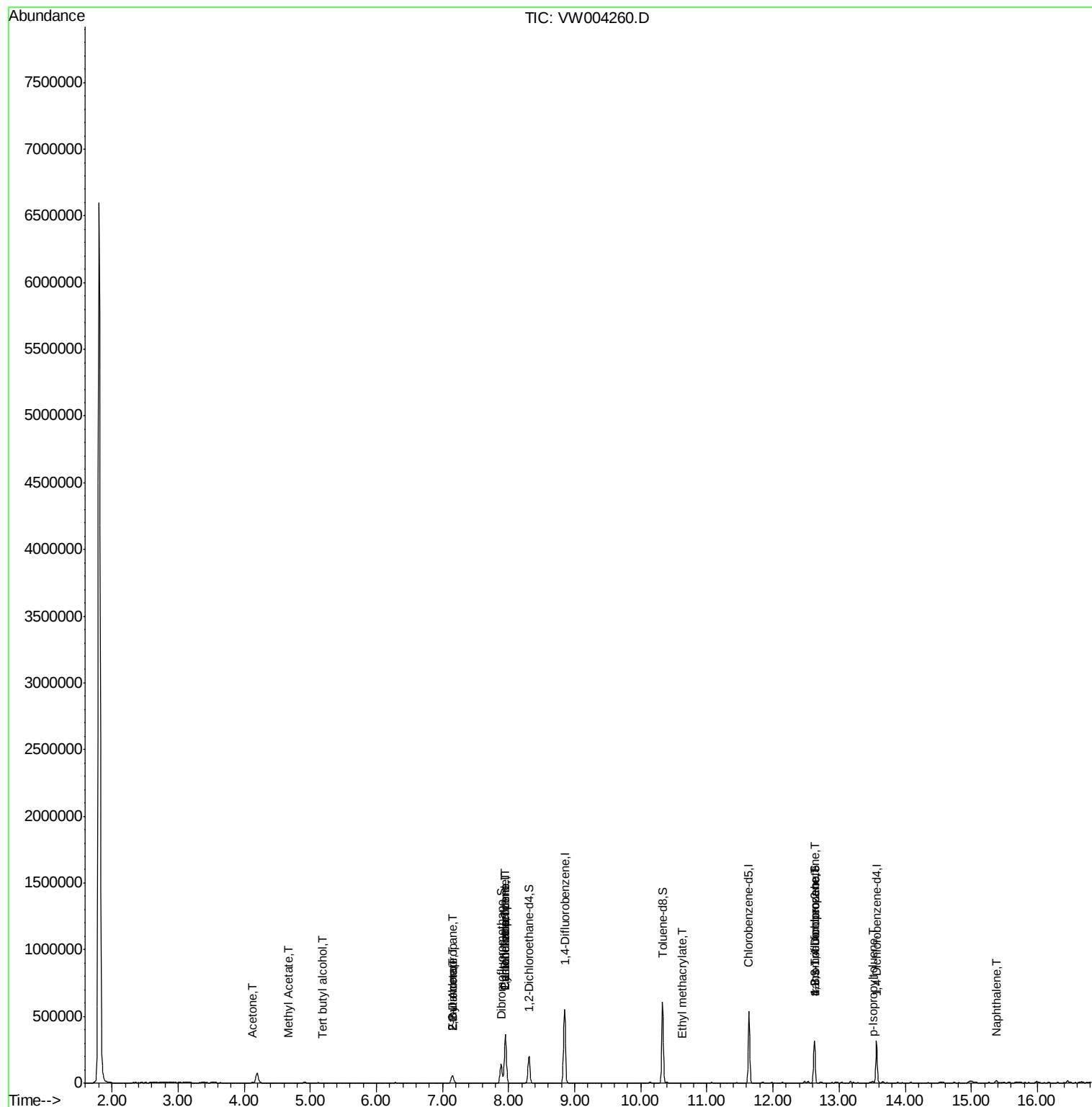
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	716	3.379	ug/l #	80
16) Acetone	4.12	43	6510	8.826	ug/l #	88
18) Methyl Acetate	4.67	43	4619	2.609	ug/l	95
20) Methylene Chloride	4.91	84	3387	Below Cal		95
25) 2-Butanone	7.16	43	4972	5.009	ug/l #	78
26) 2,2-Dichloropropane	7.15	77	3760	1.206	ug/l #	52
31) Cyclohexane	7.95	56	6018	1.182	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22121	4.718	ug/l #	49
37) Ethyl Acetate	7.16	43	4972	2.199	ug/l #	10
38) Carbon Tetrachloride	7.95	117	27007	6.165	ug/l #	16
56) Ethyl methacrylate	10.63	69	20	2.951	ug/l #	8
76) 1,2,3-Trichloropropane	12.62	75	54189	66.864	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	54189	147.901	ug/l #	11
86) p-Isopropyltoluene	13.51	119	7412	1.397	ug/l	89
95) Naphthalene	15.38	128	13561	4.259	ug/l	97

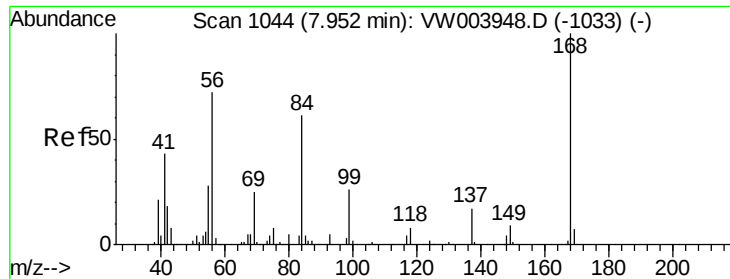
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jul 16 15:06:12 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: VW004260.D

Acq: 27 Jul 2018 08:28

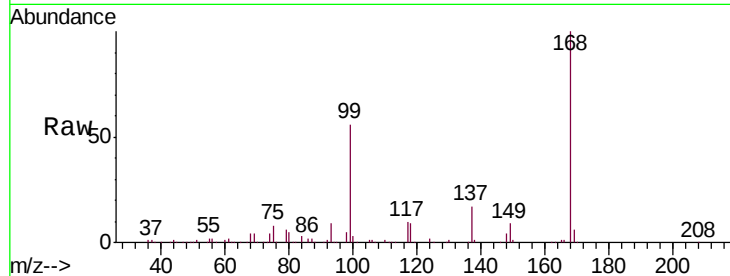
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 274587

Ion Ratio Lower Upper

168 100

99 55.9 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

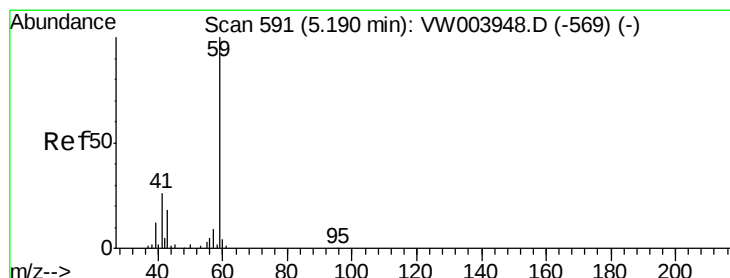
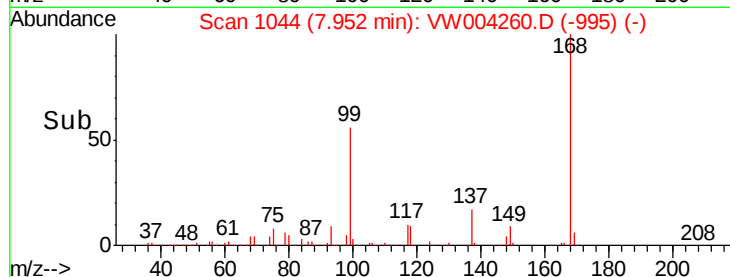
100000

50000

0

Time-->

7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 3.379 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.01 min

Lab File: VW004260.D

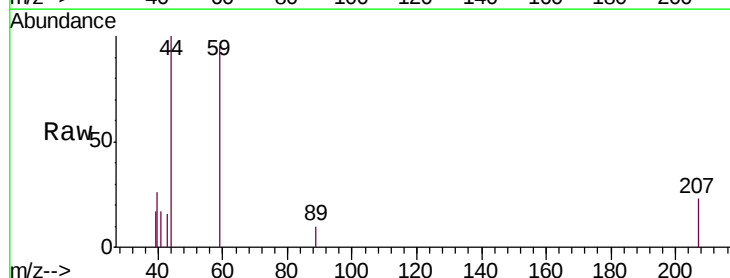
Acq: 27 Jul 2018 08:28

Tgt Ion: 59 Resp: 716

Ion Ratio Lower Upper

59 100

57 2.9 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

600

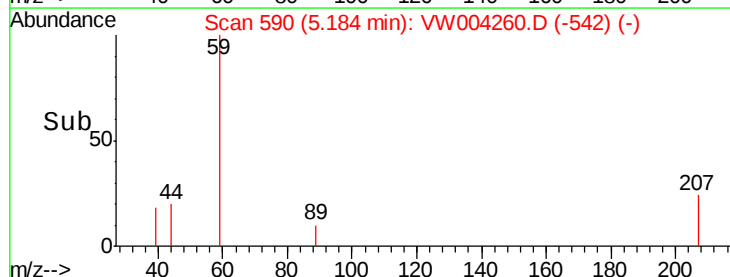
400

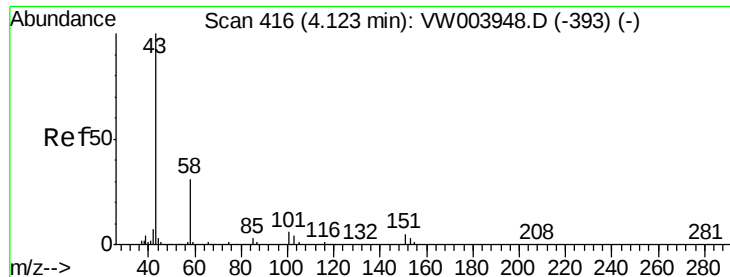
200

0

Time-->

5.15 5.20 5.25





#16

Acetone

Concen: 8.826 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW004260.D

Acq: 27 Jul 2018 08:28

Instrument :

MSVOA_W

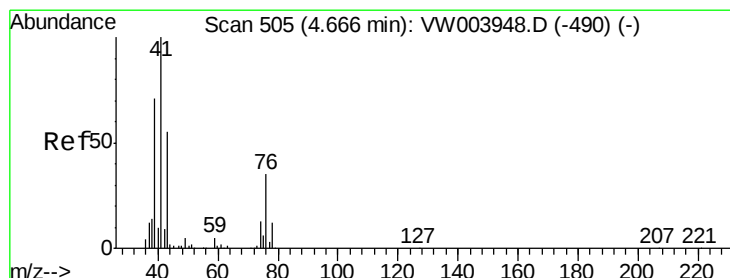
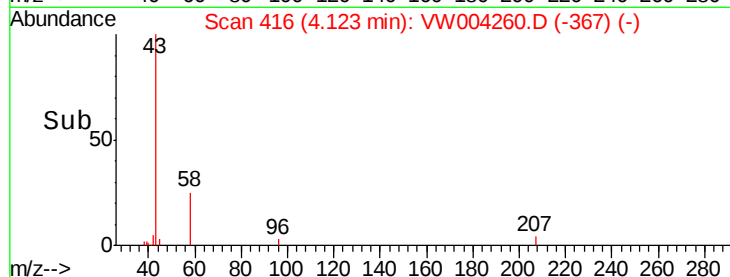
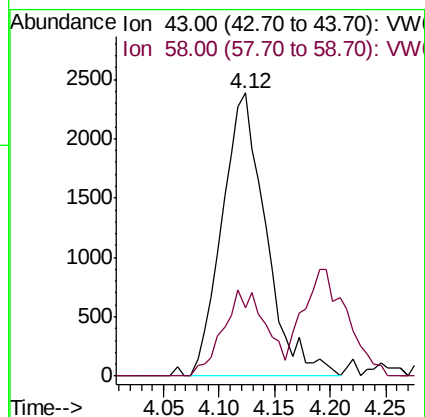
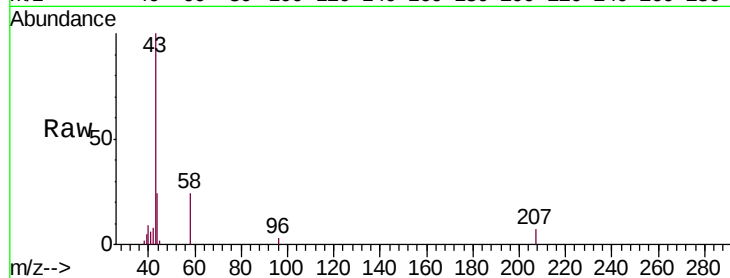
ClientSampled :

Tot Ion: 43 Resp: 6510

Ion Ratio Lower Upper

43 100

58 23.9 24.5 36.7#



#18

Methyl Acetate

Concen: 2.609 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW004260.D

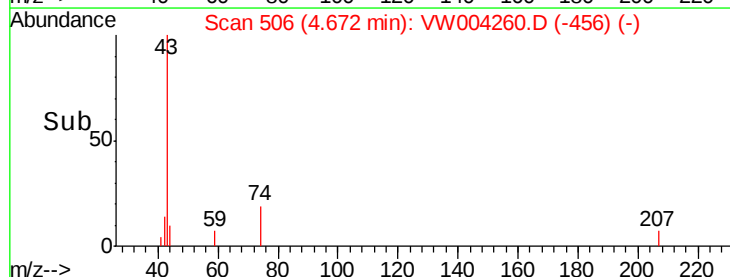
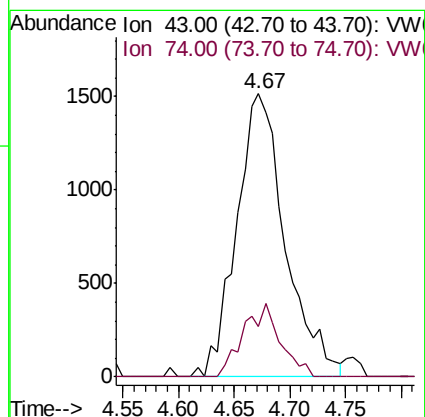
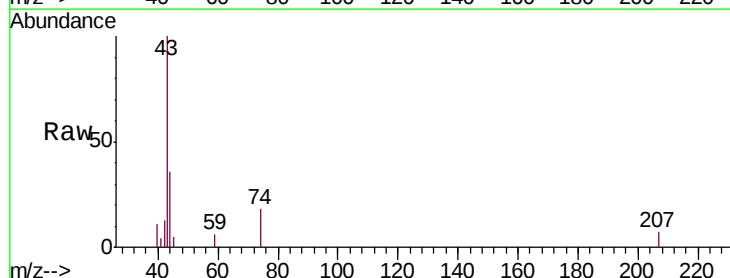
Acq: 27 Jul 2018 08:28

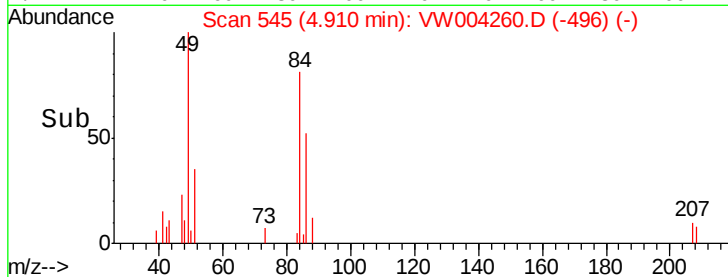
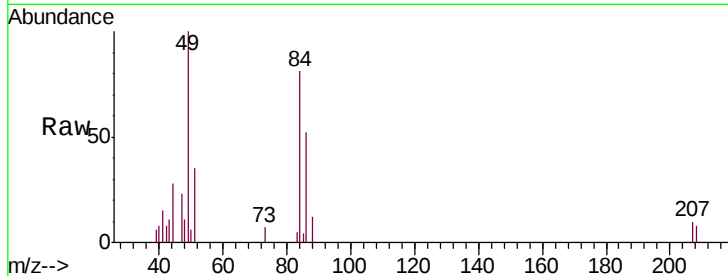
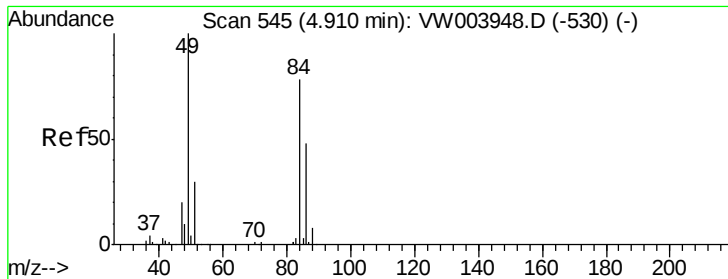
Tgt Ion: 43 Resp: 4619

Ion Ratio Lower Upper

43 100

74 19.7 17.7 26.5

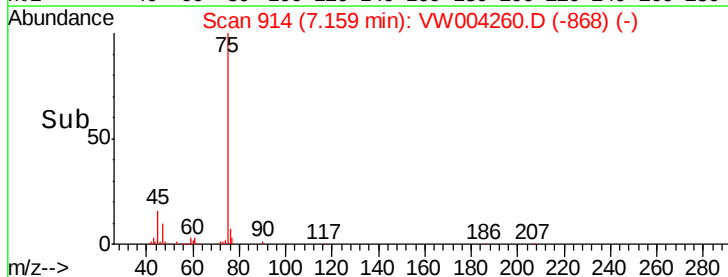
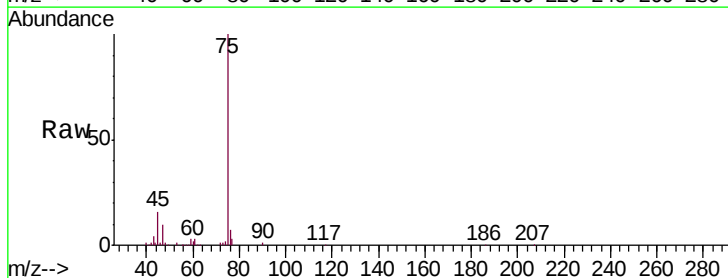
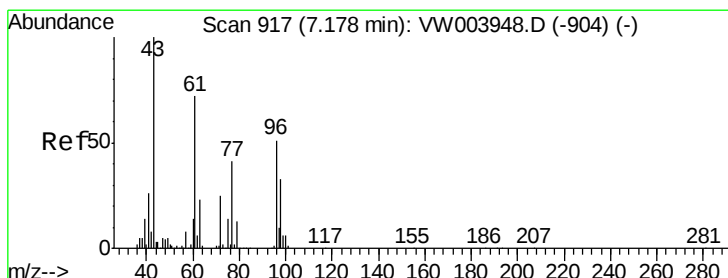
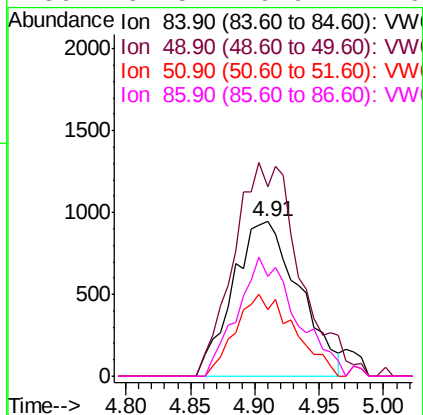




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004260.D
Acq: 27 Jul 2018 08:28

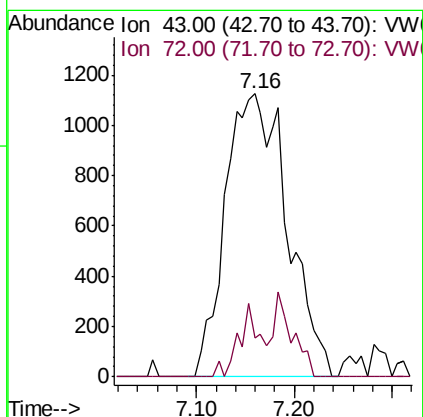
Instrument :
MSVOA_W
ClientSampleId :

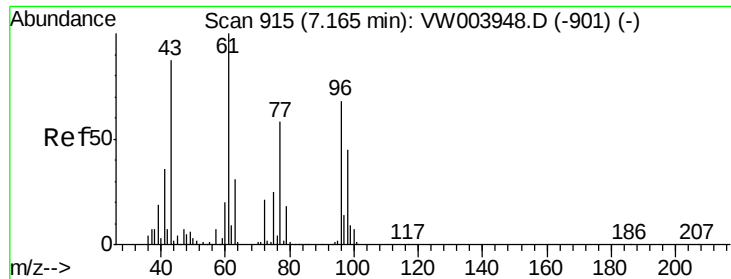
Tot Ion	84	Resp	3387
Ion	Ratio	Lower	Upper
84	100		
49	122.9	102.9	154.3
51	43.1	30.9	46.3
86	64.5	49.9	74.9



#25
2-Butanone
Concen: 5.009 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.02 min
Lab File: VW004260.D
Acq: 27 Jul 2018 08:28

Tgt Ion	43	Resp	4972
Ion	Ratio	Lower	Upper
43	100		
72	13.9	19.8	29.6#





#26

2,2-Dichloropropane

Concen: 1.206 ug/l

RT: 7.15 min Scan# 913

Delta R.T. -0.01 min

Lab File: VW004260.D

Acq: 27 Jul 2018 08:28

Instrument :

MSVOA_W

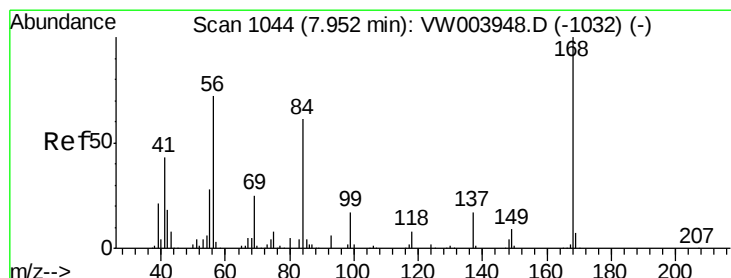
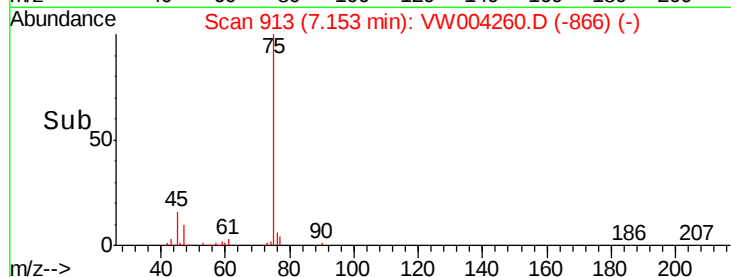
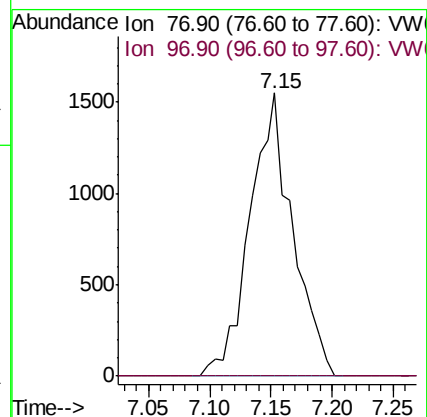
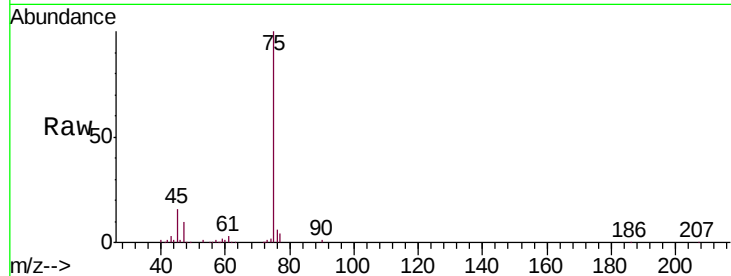
ClientSampleId :

Tot Ion: 77 Resp: 3760

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.3#



#31

Cyclohexane

Concen: 1.182 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW004260.D

Acq: 27 Jul 2018 08:28

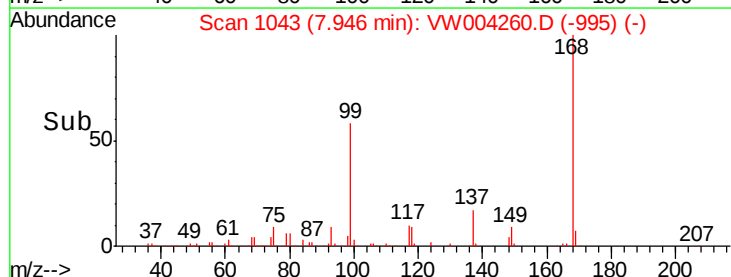
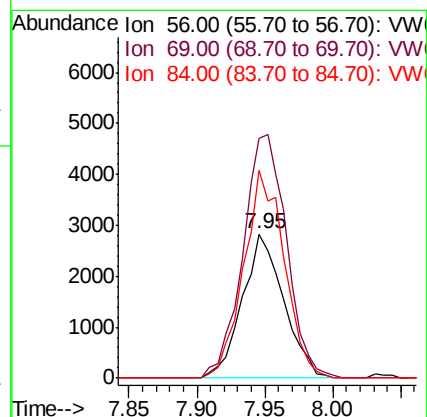
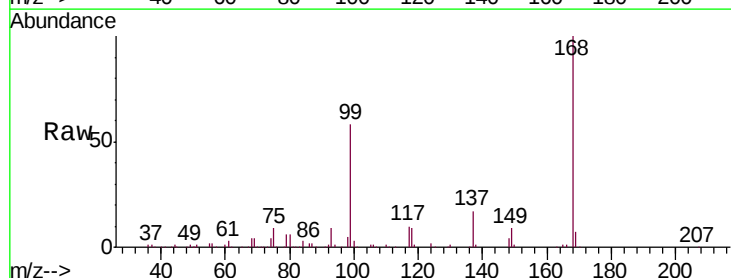
Tgt Ion: 56 Resp: 6018

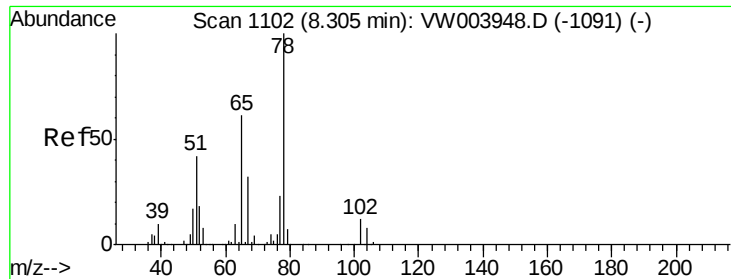
Ion Ratio Lower Upper

56 100

69 166.8 27.8 41.8#

84 144.3 67.2 100.8#

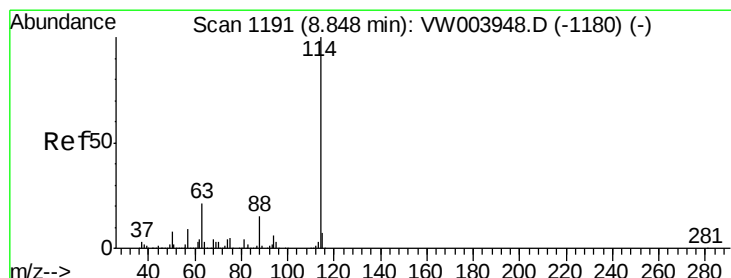
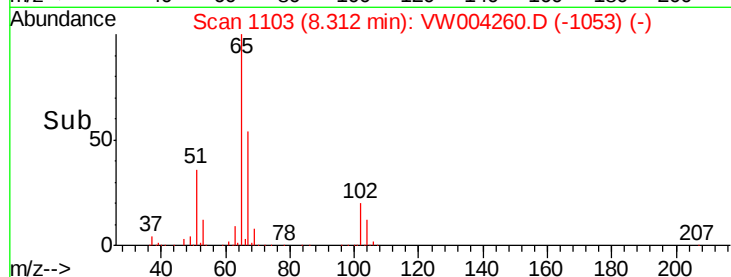
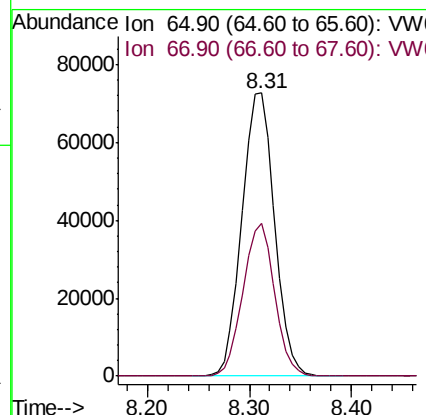
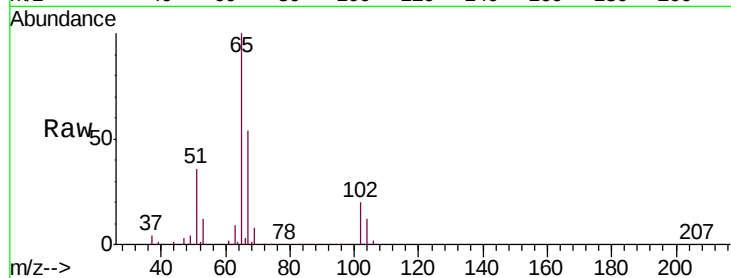




#33
 1,2-Dichloroethane-d4
 Concen: 52.681 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW004260.D
 Acq: 27 Jul 2018 08:28

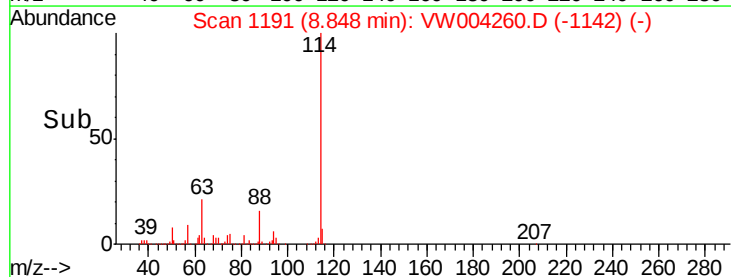
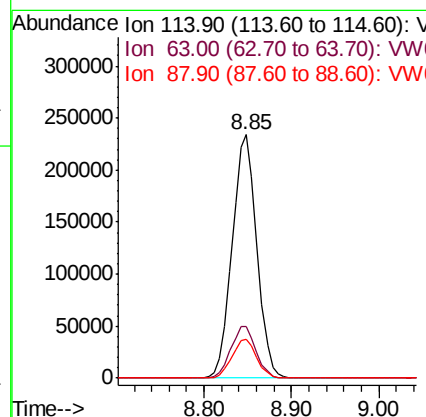
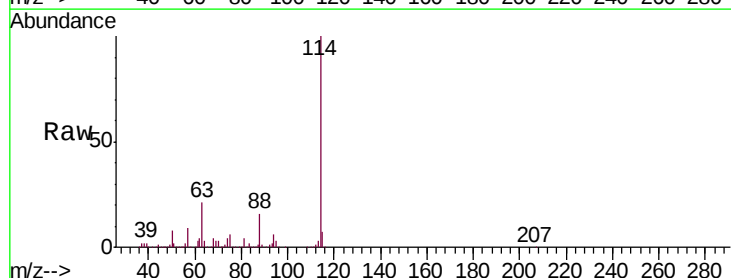
Instrument :
 MSVOA_W
 ClientSampleId :

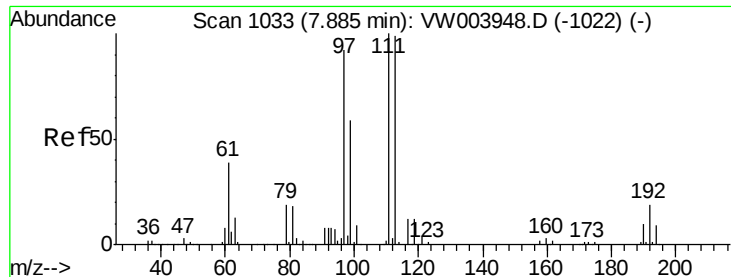
Tot Ion: 65 Resp: 161695
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004260.D
 Acq: 27 Jul 2018 08:28

Tgt Ion: 114 Resp: 455691
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.8
 88 15.9 0.0 30.4

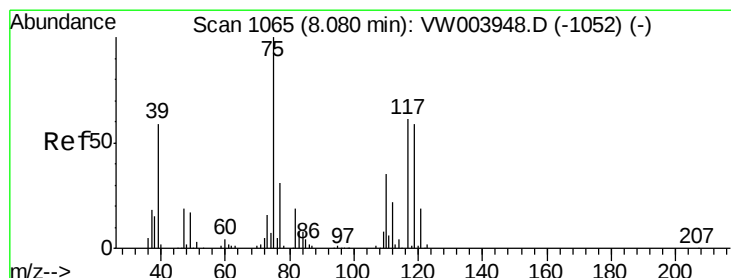
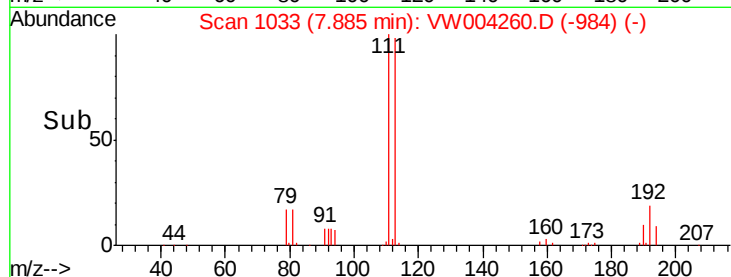
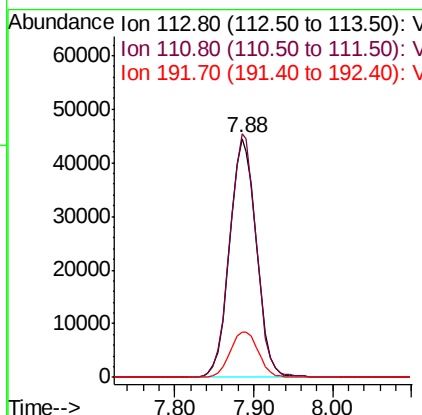
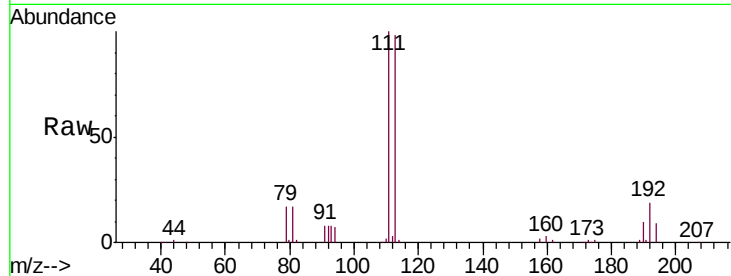




#35
Dibromofluoromethane
Concen: 35.882 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW004260.D
Acq: 27 Jul 2018 08:28

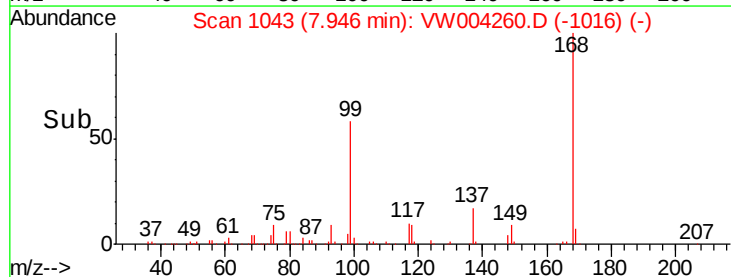
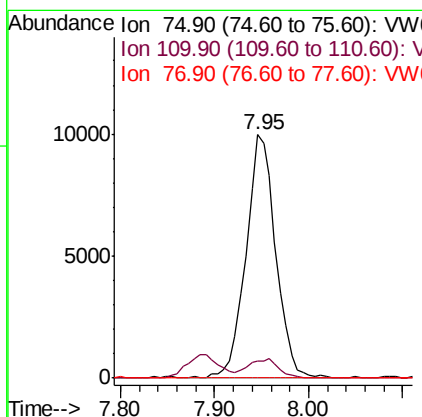
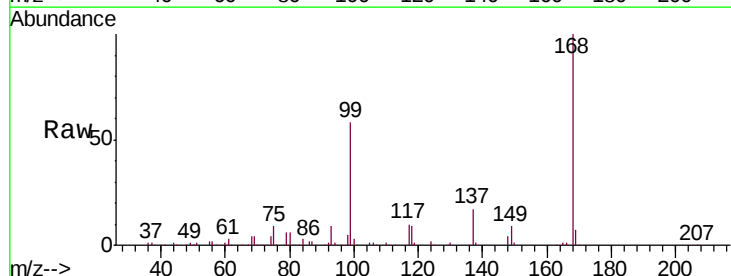
Instrument :
MSVOA_W
ClientSampled :

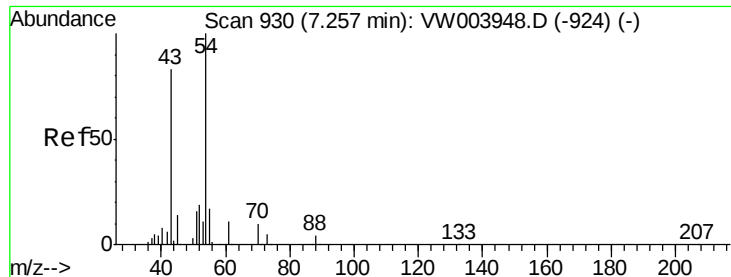
Tot Ion:113 Resp: 104912
Ion Ratio Lower Upper
113 100
111 101.0 81.3 121.9
192 20.1 15.8 23.6



#36
1,1-Dichloropropene
Concen: 4.718 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.13 min
Lab File: VW004260.D
Acq: 27 Jul 2018 08:28

Tgt Ion: 75 Resp: 22121
Ion Ratio Lower Upper
75 100
110 8.1 17.0 51.0#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 2.199 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.10 min

Lab File: VW004260.D

Acq: 27 Jul 2018 08:28

Instrument :
MSVOA_W
ClientSampled :

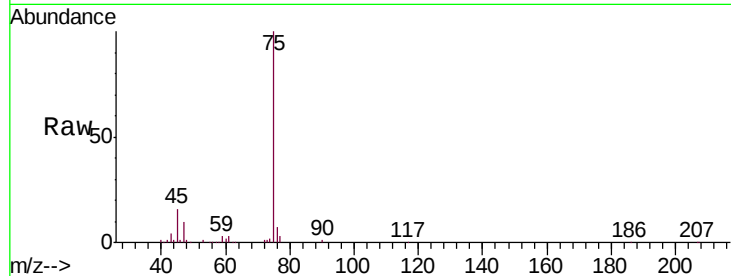
Tot Ion: 43 Resp: 4972

Ion Ratio Lower Upper

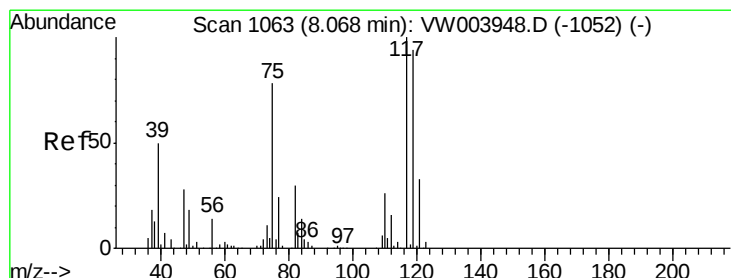
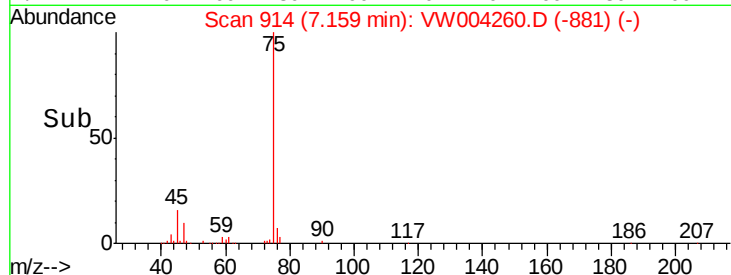
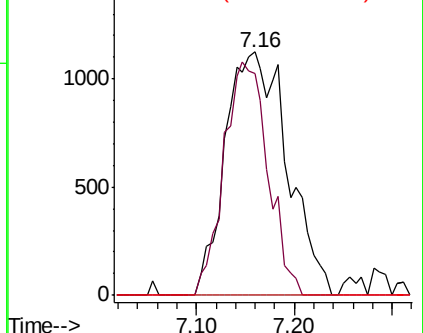
43 100

61 67.9 10.7 16.1#

70 0.0 7.7 11.5#



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



#38

Carbon Tetrachloride

Concen: 6.165 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004260.D

Acq: 27 Jul 2018 08:28

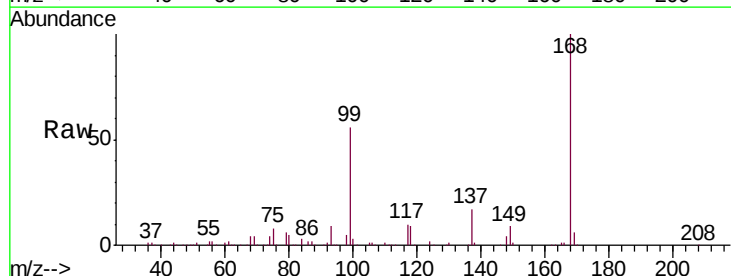
Tgt Ion: 117 Resp: 27007

Ion Ratio Lower Upper

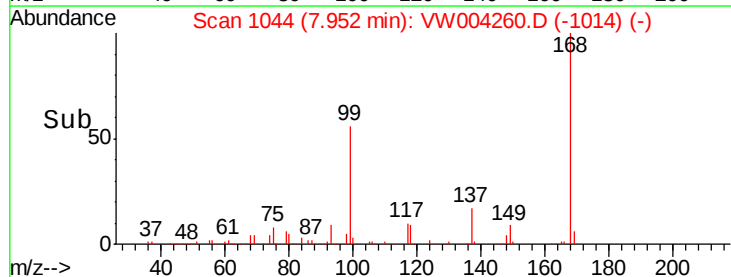
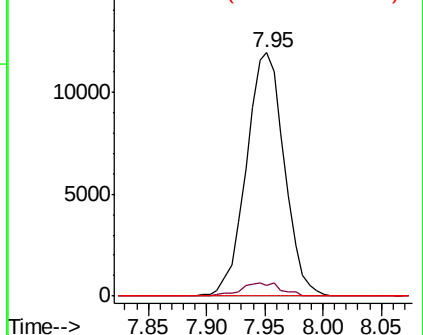
117 100

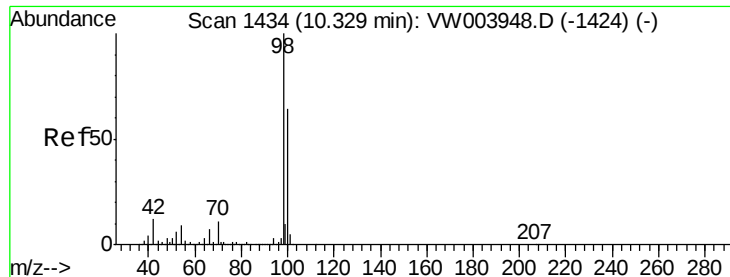
119 4.6 75.3 112.9#

121 0.0 26.0 39.0#



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

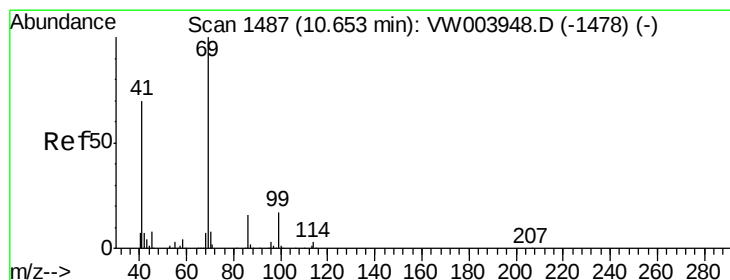
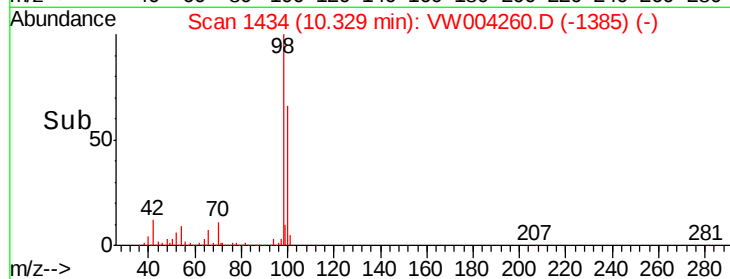
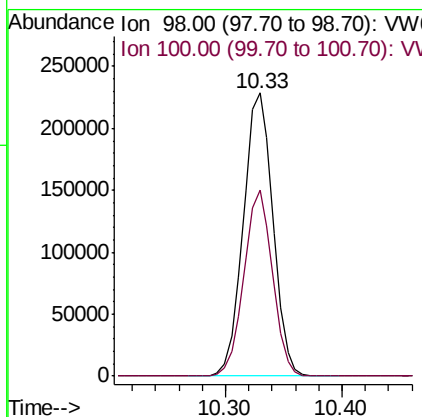
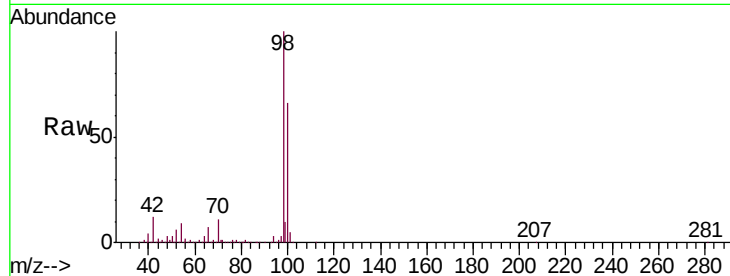




#50
Toluene-d8
Concen: 35.744 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004260.D
Acq: 27 Jul 2018 08:28

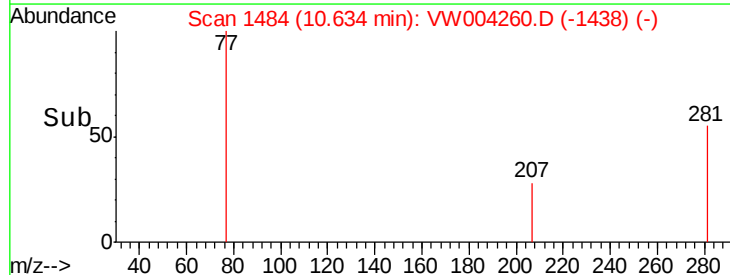
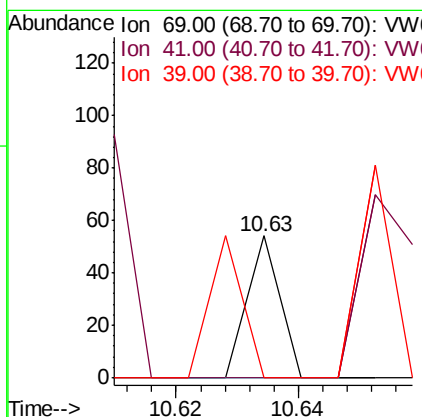
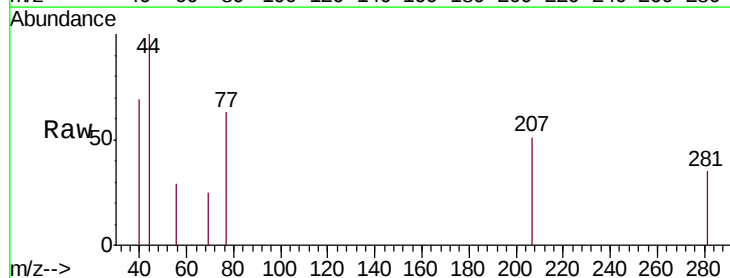
Instrument :
MSVOA_W
ClientSampled :

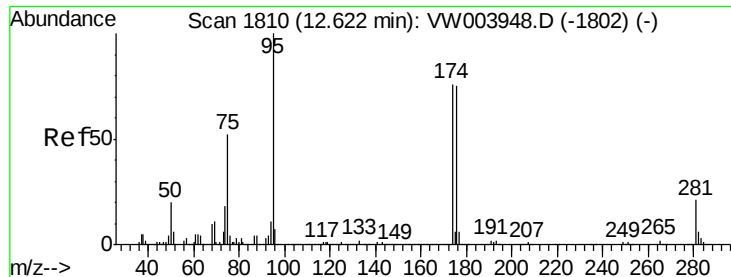
Tot Ion: 98 Resp: 405525
Ion Ratio Lower Upper
98 100
100 63.5 51.2 76.8



#56
Ethyl methacrylate
Concen: 2.951 ug/l
RT: 10.63 min Scan# 1484
Delta R.T. -0.02 min
Lab File: VW004260.D
Acq: 27 Jul 2018 08:28

Tgt Ion: 69 Resp: 20
Ion Ratio Lower Upper
69 100
41 0.0 56.5 84.7#
39 100.0 30.2 45.4#

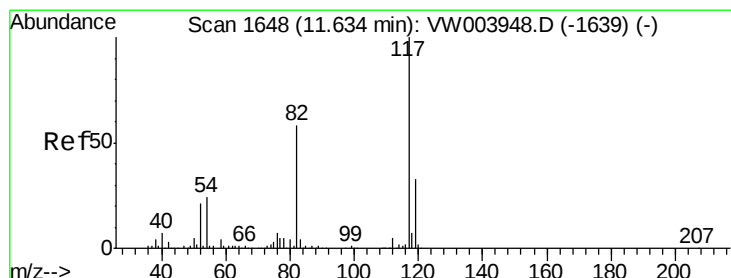
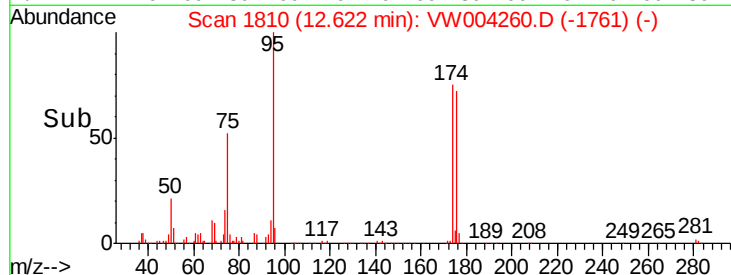
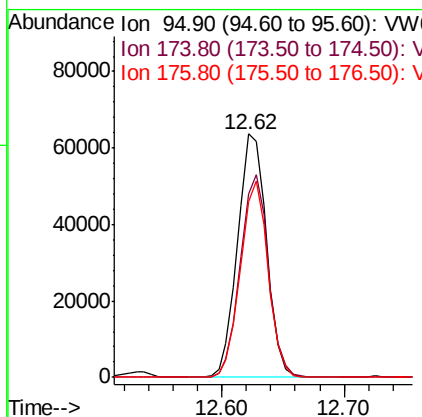
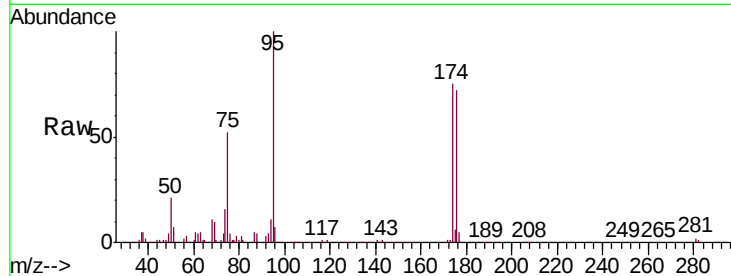




#62
4-Bromofluorobenzene
Concen: 25.476 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004260.D
Acq: 27 Jul 2018 08:28

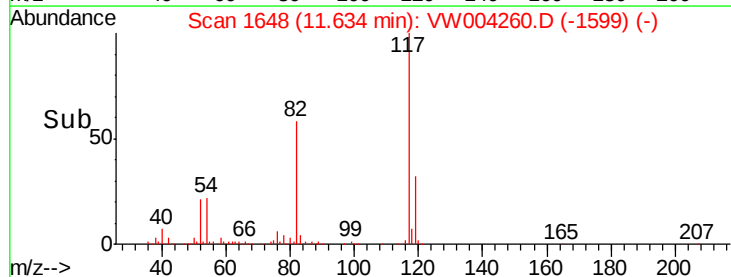
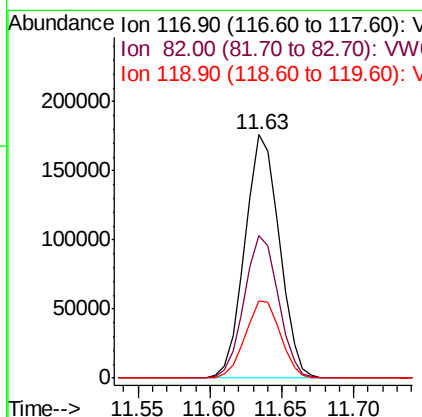
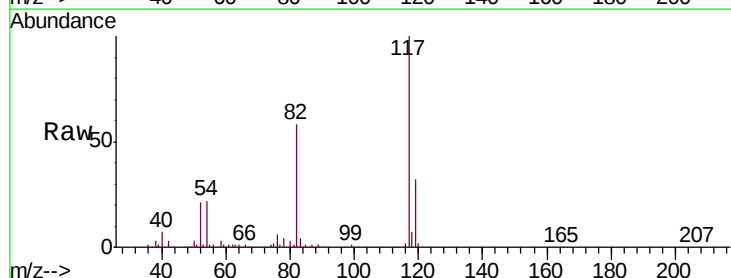
Instrument :
MSVOA_W
ClientSampleId :

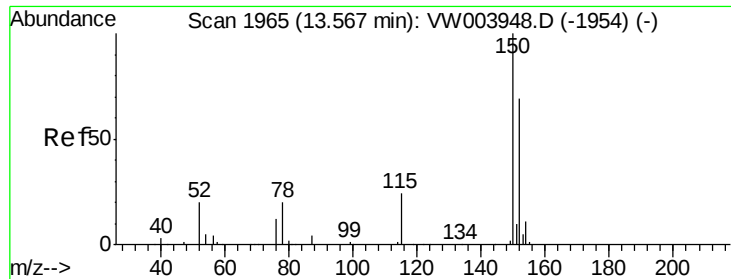
Tot Ion: 95 Resp: 104226
Ion Ratio Lower Upper
95 100
174 81.2 0.0 160.2
176 77.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004260.D
Acq: 27 Jul 2018 08:28

Tgt Ion: 117 Resp: 292186
Ion Ratio Lower Upper
117 100
82 58.5 46.5 69.7
119 31.8 26.2 39.2



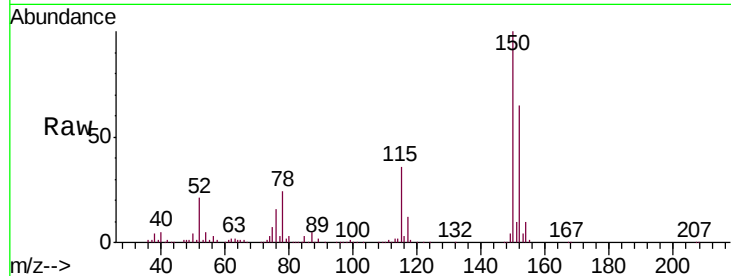


#72

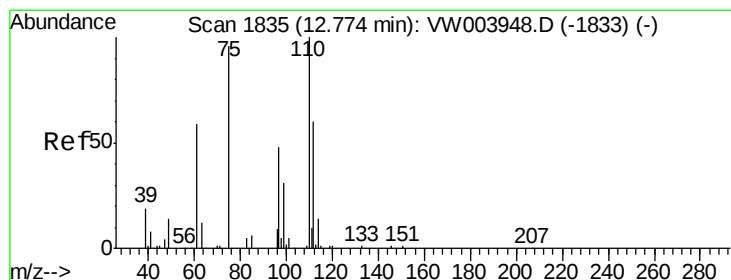
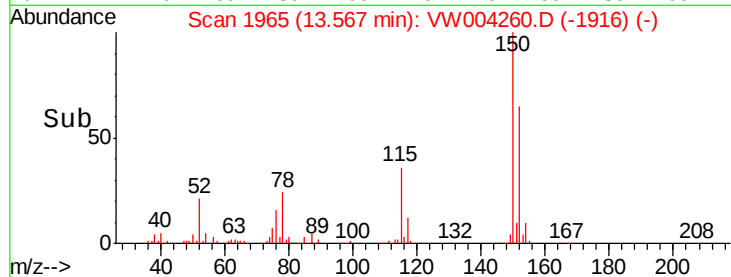
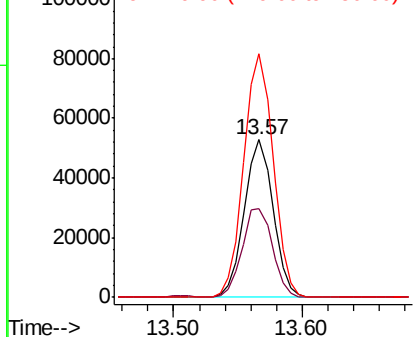
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004260.D
Acq: 27 Jul 2018 08:28

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:152 Resp: 81634
Ion Ratio Lower Upper
152 100
115 59.4 29.2 87.6
150 158.0 0.0 345.2



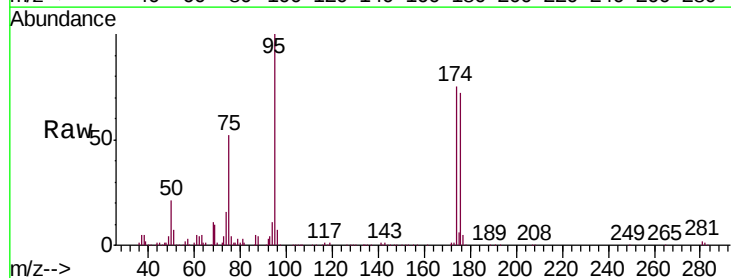
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



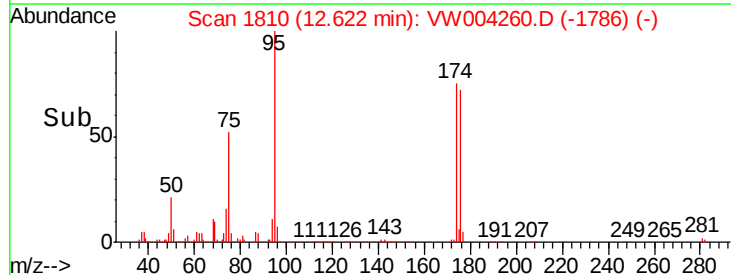
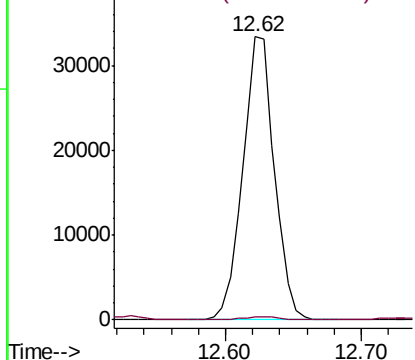
#76

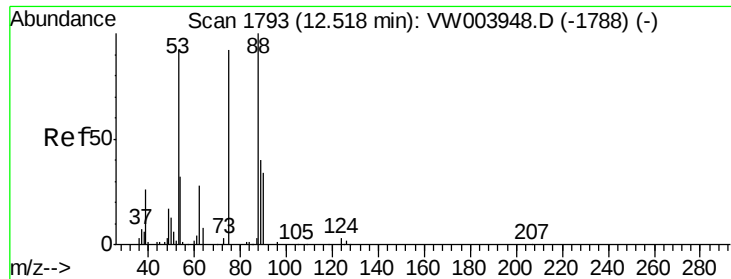
1,2,3-Trichloropropane
Concen: 66.864 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW004260.D
Acq: 27 Jul 2018 08:28

Tgt Ion: 75 Resp: 54189
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

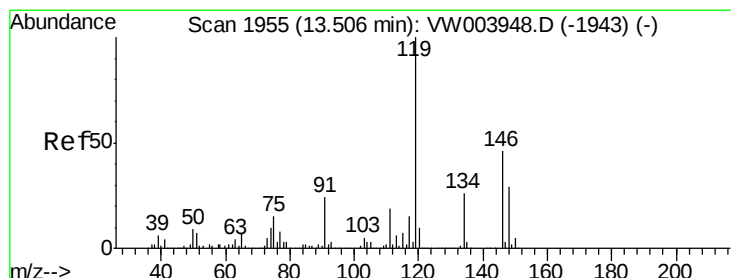
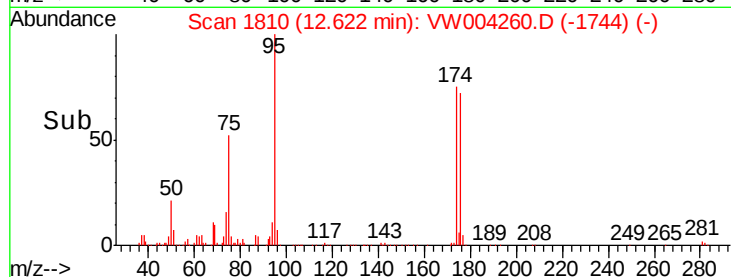
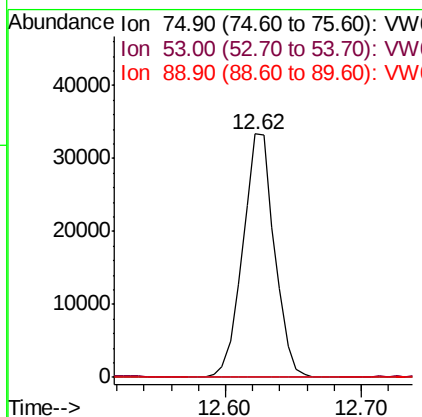
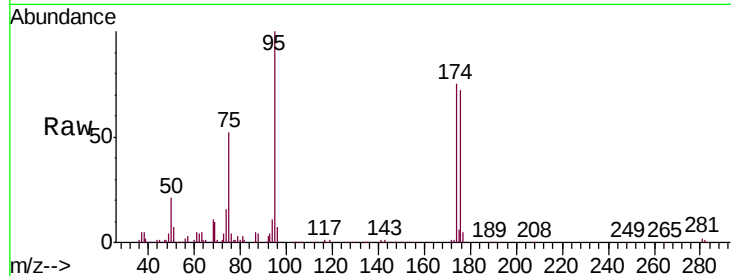




#81
trans-1,4-Dichloro-2-butene
Concen: 147.901 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW004260.D
Acq: 27 Jul 2018 08:28

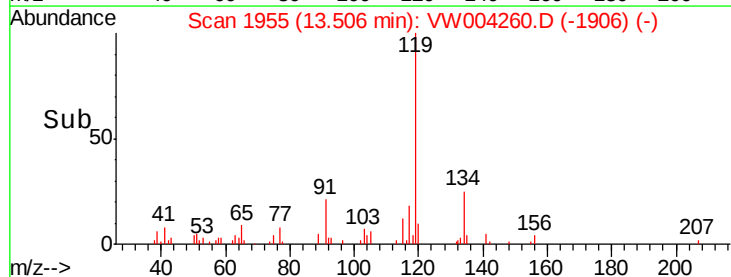
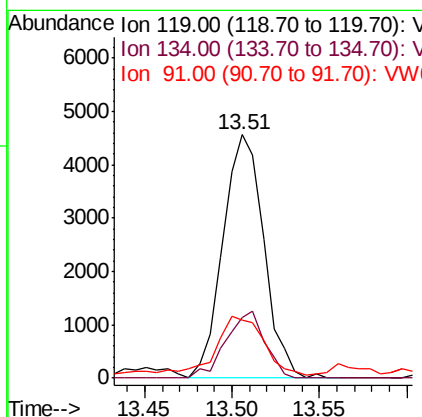
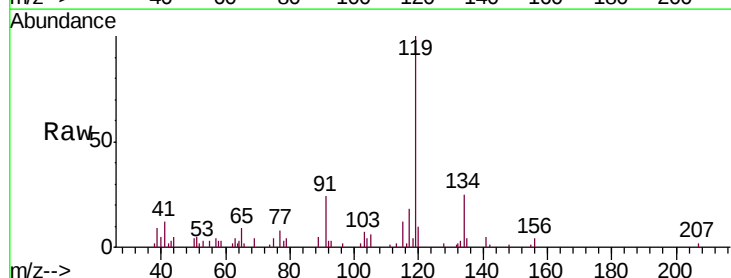
Instrument :
MSVOA_W
ClientSampleId :

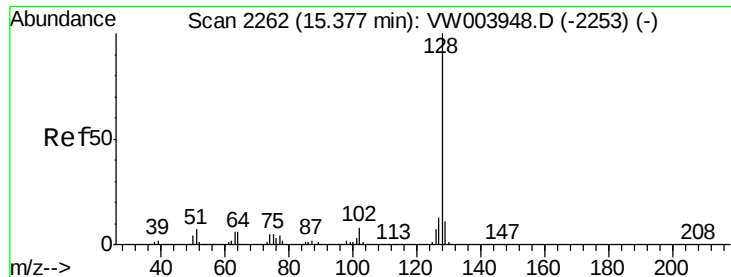
Tot Ion: 75 Resp: 54189
Ion Ratio Lower Upper
75 100
53 0.3 77.6 116.4#
89 0.1 36.6 54.8#



#86
p-Isopropyltoluene
Concen: 1.397 ug/l
RT: 13.51 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW004260.D
Acq: 27 Jul 2018 08:28

Tgt Ion: 119 Resp: 7412
Ion Ratio Lower Upper
119 100
134 26.0 13.0 38.9
91 34.3 11.8 35.3

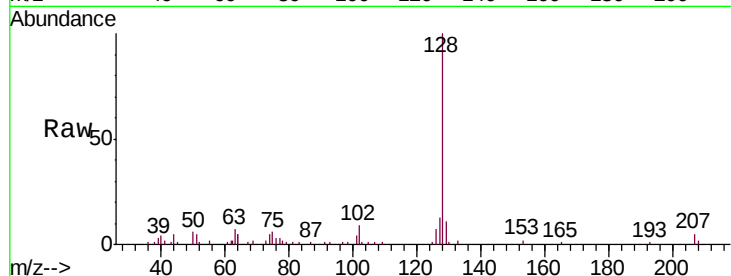




#95
Naphthalene
Concen: 4.259 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VW004260.D
Acq: 27 Jul 2018 08:28

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.7	16.1
129	12.3	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

