

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\
 Data File : VW004327.D
 Acq On : 29 Jul 2018 21:15
 Operator : SY/AP
 Sample : J4109-02
 Misc : 7.69G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 30 04:35:17 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	43836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	69996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	40195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	18021	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	26263	59.39	ug/l	0.00
Spiked Amount			Recovery	=	118.78%	
35) Dibromofluoromethane	7.88	113	21622	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
50) Toluene-d8	10.33	98	49966	28.58	ug/l	0.00
Spiked Amount			Recovery	=	57.16%	
62) 4-Bromofluorobenzene	12.62	95	17117	27.81	ug/l	0.00
Spiked Amount			Recovery	=	55.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.46	50	43	Below Cal	#	44
6) Chloroethane	3.00	64	52	Below Cal	#	45
8) Diethyl Ether	3.49	74	33	Below Cal	#	1
11) Tert butyl alcohol	5.18	59	436	10.888	ug/l #	72
13) Acrolein	3.89	56	173	8.016	ug/l #	52
14) Allyl chloride	4.63	41	50	1.579	ug/l #	25
16) Acetone	4.12	43	22045	208.392	ug/l	99
17) Carbon Disulfide	4.36	76	3303	3.007	ug/l #	94
18) Methyl Acetate	4.68	43	658	3.496	ug/l #	54
20) Methylene Chloride	4.90	84	1710	2.572	ug/l #	86
25) 2-Butanone	7.18	43	4835	39.370	ug/l	94
26) 2,2-Dichloropropane	7.14	77	1428	2.879	ug/l #	52
31) Cyclohexane	7.95	56	1338	1.773	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	3262	4.658	ug/l #	48
37) Ethyl Acetate	7.18	43	4835	16.850	ug/l #	69
38) Carbon Tetrachloride	7.95	117	4384	6.340	ug/l #	17
39) Methylcyclohexane	9.34	83	2051	2.431	ug/l #	86
40) Benzene	8.32	78	32628	16.564	ug/l	98
41) Methacrylonitrile	7.54	41	48	2.342	ug/l #	26
51) 4-Methyl-2-Pentanone	10.32	43	478	1.684	ug/l #	14
55) 1,1,2-Trichloroethane	10.76	97	1053	2.961	ug/l #	23
67) Ethyl Benzene	11.74	91	5391	3.664	ug/l	98
68) m/p-Xylenes	11.85	106	4884	8.625	ug/l	100
69) o-Xylene	12.17	106	1291	2.467	ug/l	90
73) Isopropylbenzene	12.48	105	55701	44.576	ug/l	99
74) N-amyl acetate	12.26	43	808	4.476	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	12.70	83	355	1.622	ug/l #	43
76) 1,2,3-Trichloropropane	12.62	75	8088	49.177	ug/l #	100
77) Bromobenzene	12.94	156	8405	27.838	ug/l #	1
78) n-propylbenzene	12.81	91	20057	13.176	ug/l	97
79) 2-Chlorotoluene	12.81	91	20057	23.036	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.94	105	2697	2.505	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.48	75	732	10.356	ug/l #	64
82) 4-Chlorotoluene	13.12	91	2897	3.144	ug/l #	52

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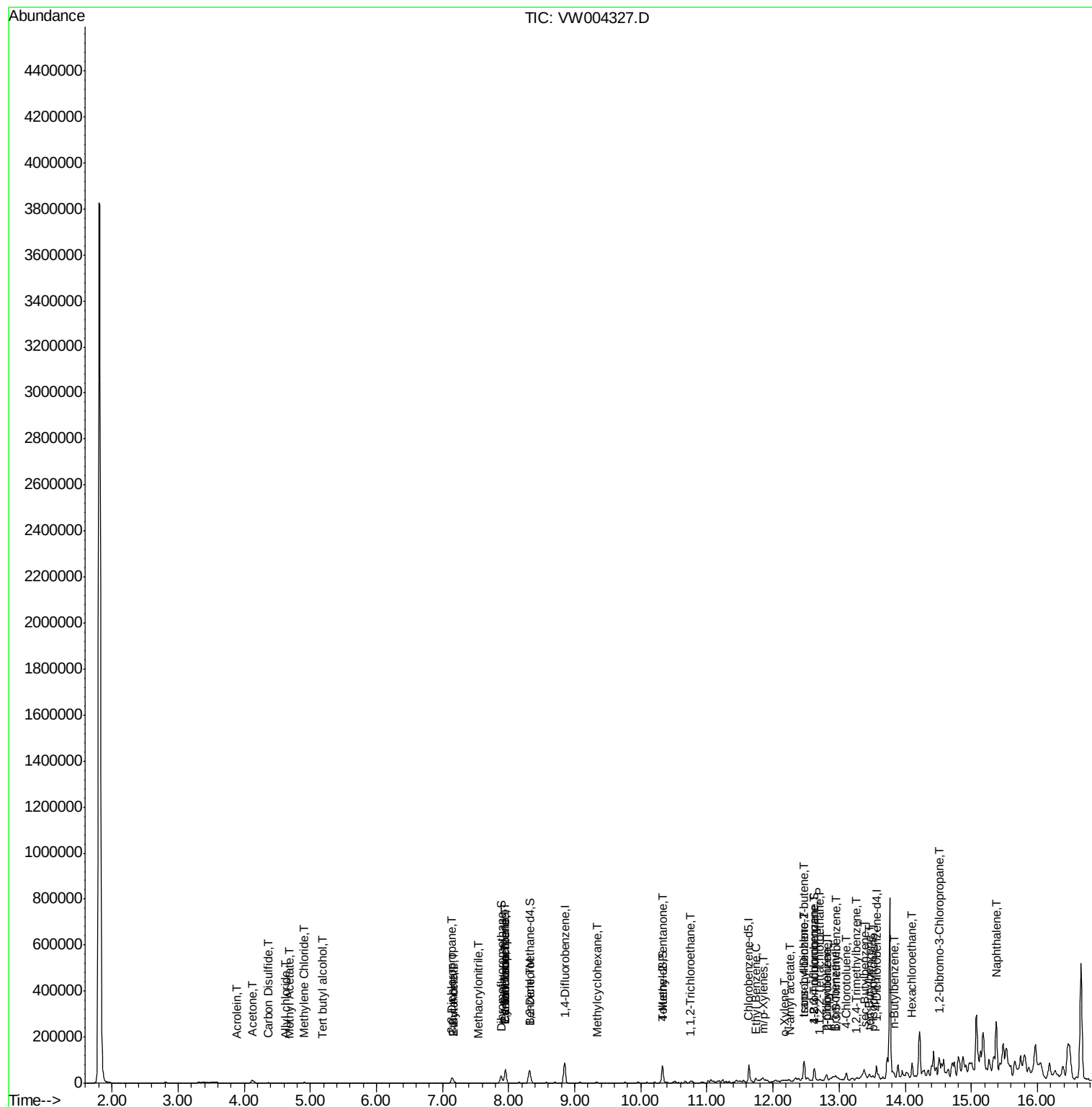
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	13.45	119	3432	3.827	ug/l	78
84) 1,2,4-Trimethylbenzene	13.26	105	4886	4.450	ug/l	95
85) sec-Butylbenzene	13.39	105	9015	6.882	ug/l #	52
86) p-Isopropyltoluene	13.51	119	1342	1.141	ug/l #	1
89) n-Butylbenzene	13.83	91	13676	12.448	ug/l #	76
90) Hexachloroethane	14.10	117	5135	24.471	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.52	75	558	14.603	ug/l #	1
95) Naphthalene	15.38	128	183976	281.545	ug/l	99

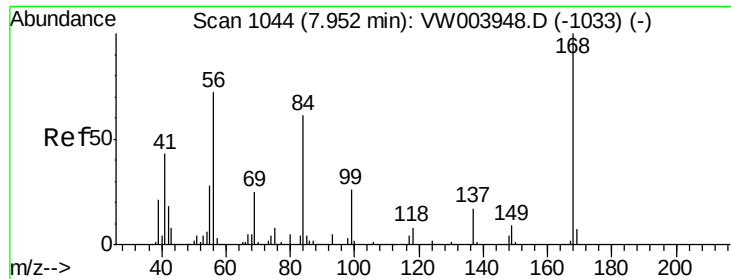
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004327.D

Acq: 29 Jul 2018 21:15

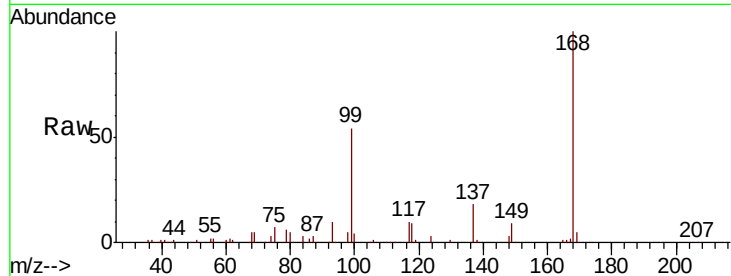
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 43836

Ion Ratio Lower Upper

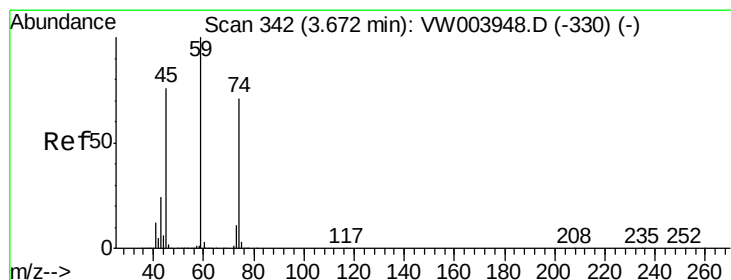
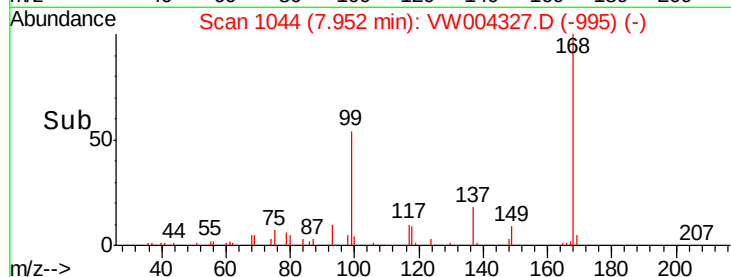
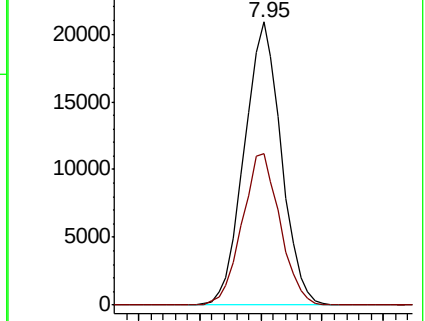
168 100

99 53.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: Below Cal

RT: 3.49 min Scan# 312

Delta R.T. -0.18 min

Lab File: VW004327.D

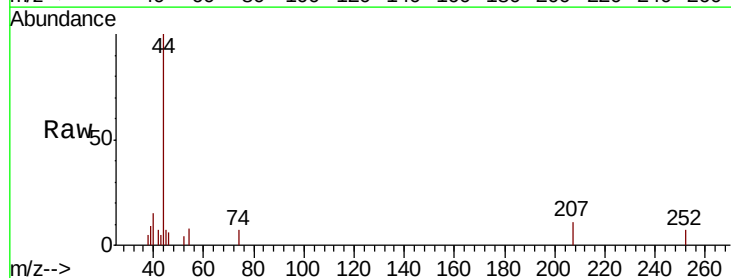
Acq: 29 Jul 2018 21:15

Tgt Ion: 74 Resp: 33

Ion Ratio Lower Upper

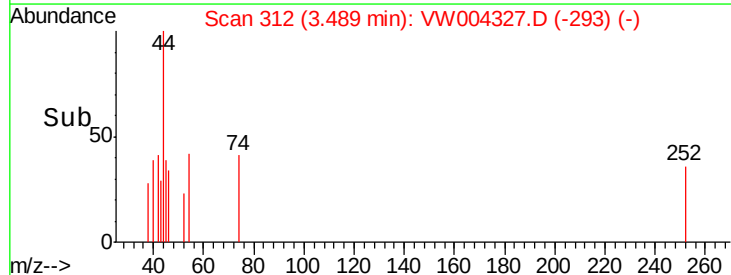
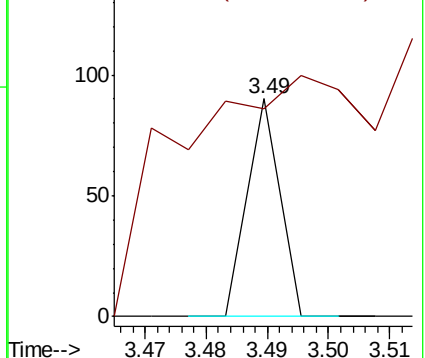
74 100

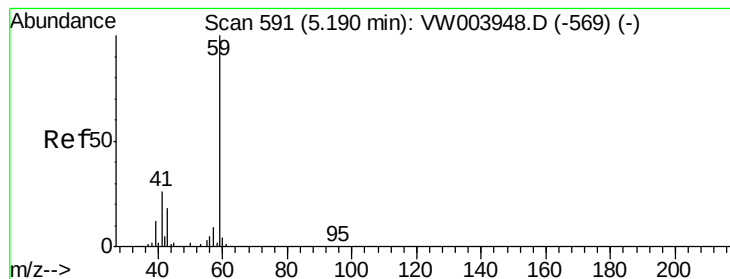
45 657.6 49.4 148.0#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 10.888 ug/l

RT: 5.18 min Scan# 589

Delta R.T. 0.01 min

Lab File: VW004327.D

Acq: 29 Jul 2018 21:15

Instrument :

MSVOA_W

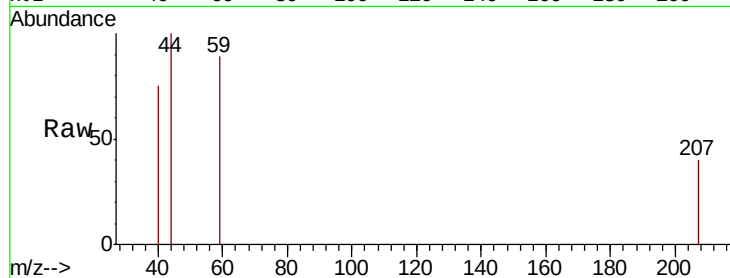
ClientSampled :

Tot Ion: 59 Resp: 436

Ion Ratio Lower Upper

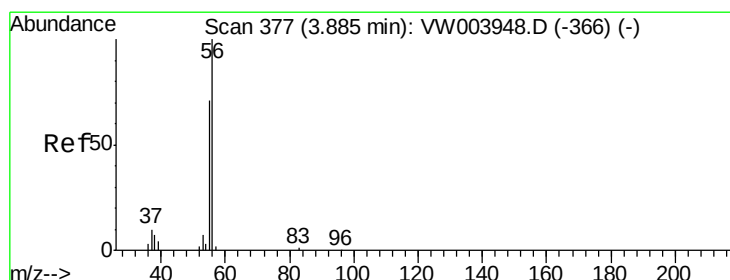
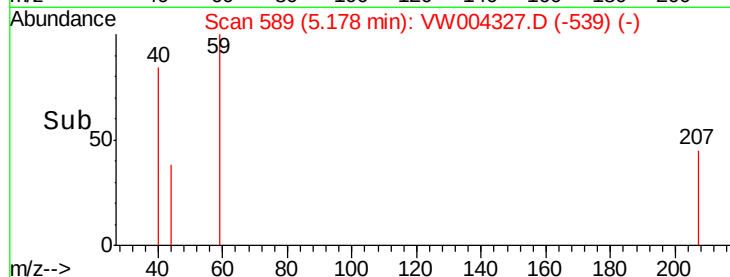
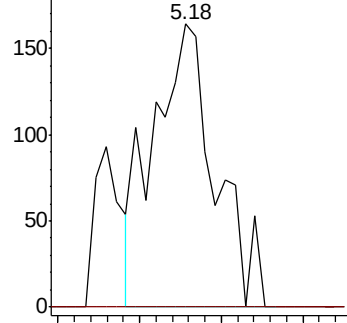
59 100

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



#13

Acrolein

Concen: 8.016 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.00 min

Lab File: VW004327.D

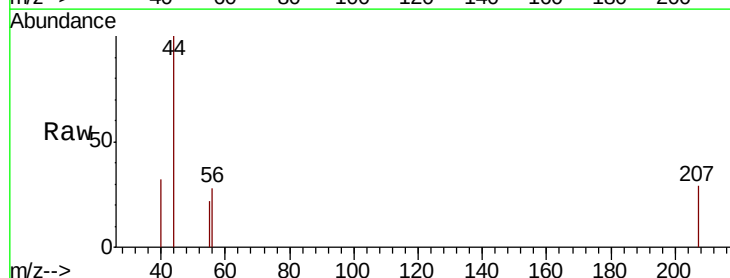
Acq: 29 Jul 2018 21:15

Tgt Ion: 56 Resp: 173

Ion Ratio Lower Upper

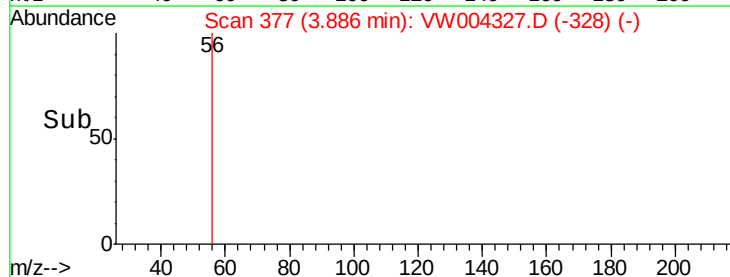
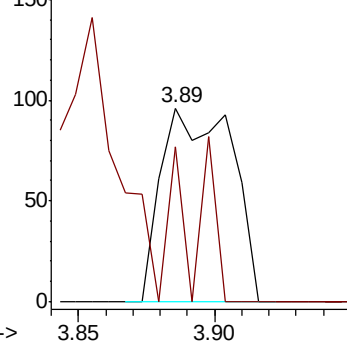
56 100

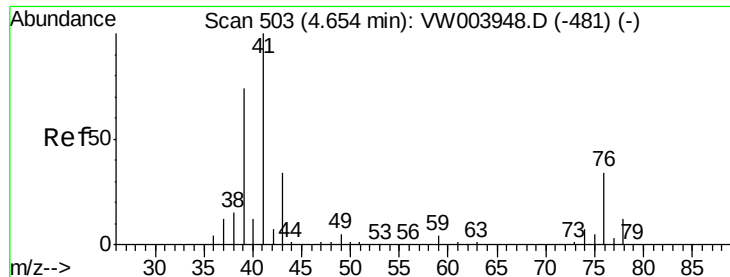
55 33.5 59.4 89.2#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

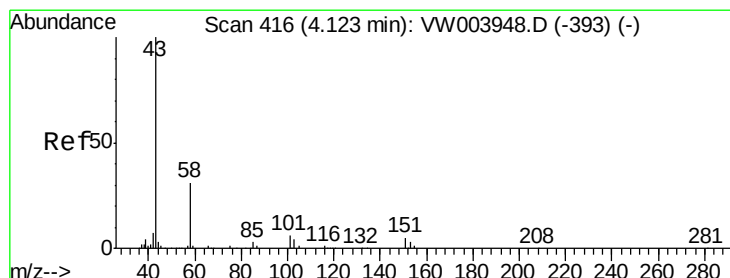
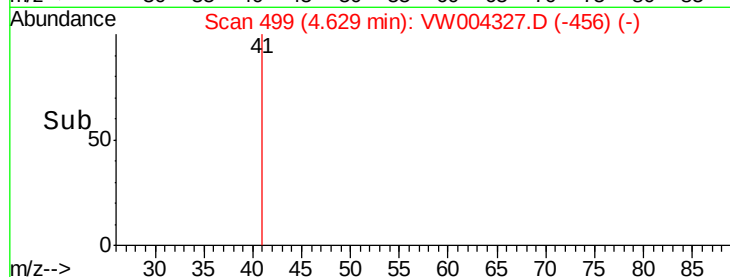
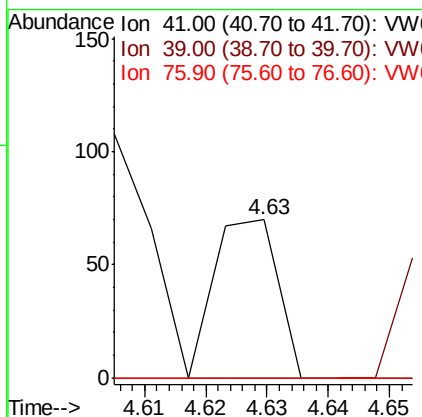
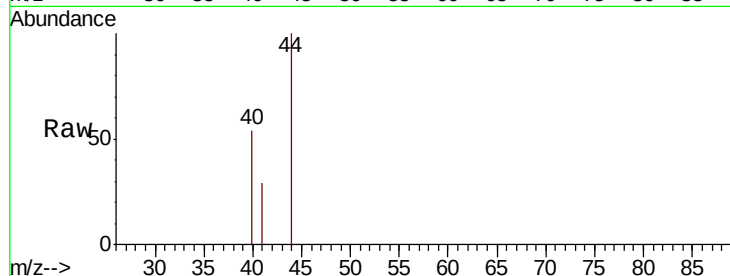




#14
Allvl chloride
Concen: 1.579 ug/l
RT: 4.63 min Scan# 499
Delta R.T. -0.04 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

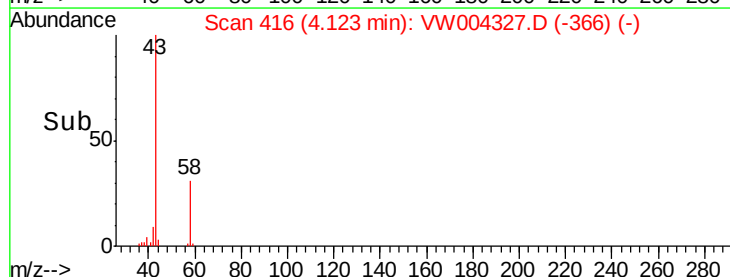
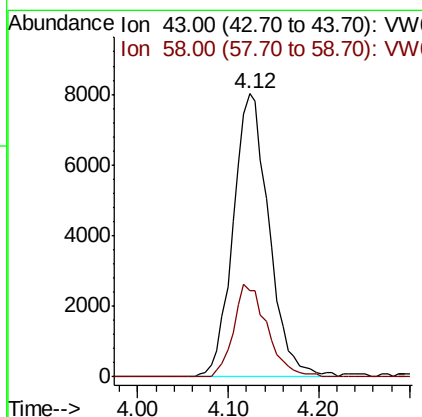
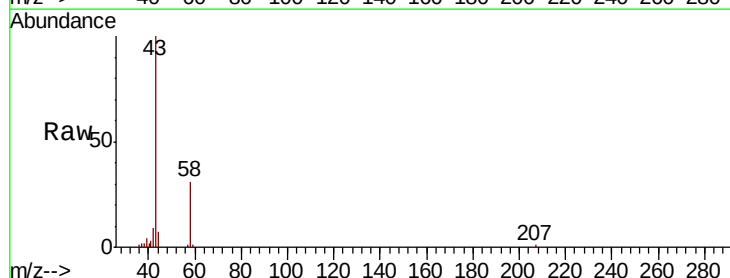
Instrument :
MSVOA_W
ClientSampled :

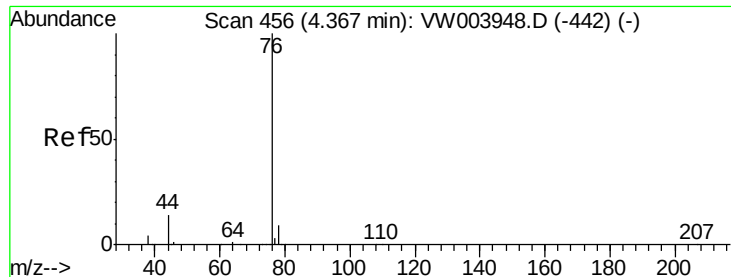
Tot Ion: 41 Resp: 50
Ion Ratio Lower Upper
41 100
39 0.0 52.3 78.5#
76 0.0 27.3 40.9#



#16
Acetone
Concen: 208.392 ug/l
RT: 4.12 min Scan# 416
Delta R.T. 0.01 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

Tgt Ion: 43 Resp: 22045
Ion Ratio Lower Upper
43 100
58 30.5 24.8 37.2

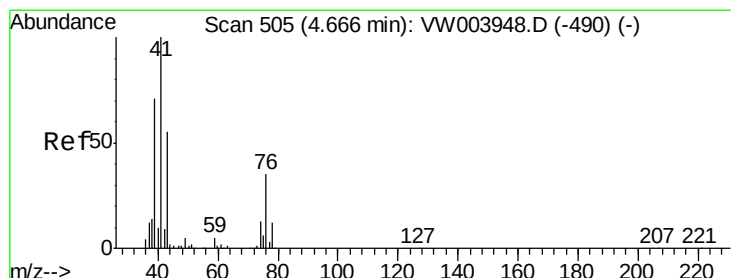
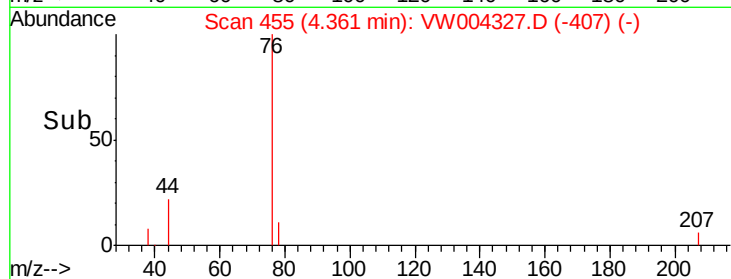
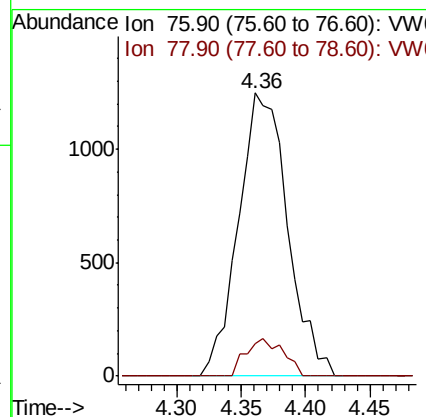
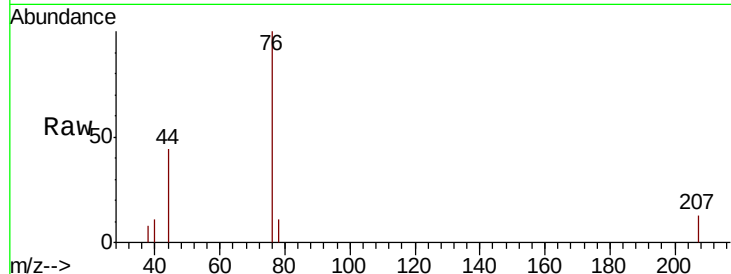




#17
Carbon Disulfide
Concen: 3.007 ug/l
RT: 4.36 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

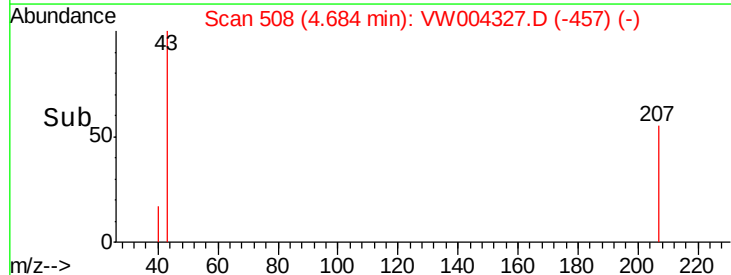
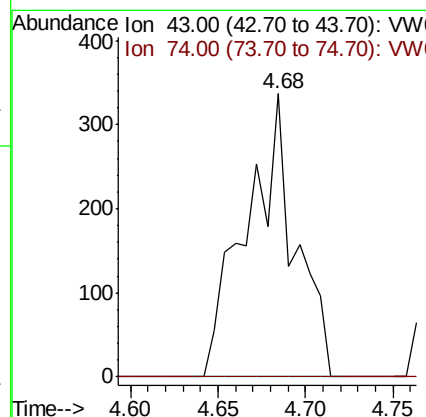
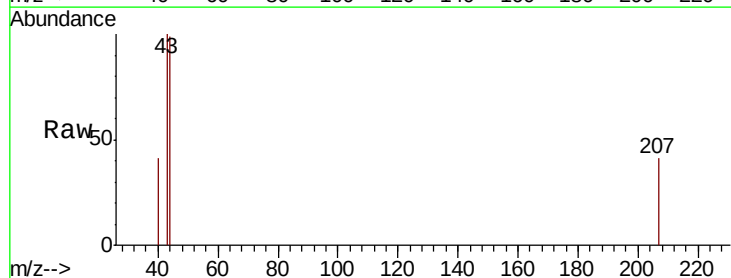
Instrument :
MSVOA_W
ClientSampled :

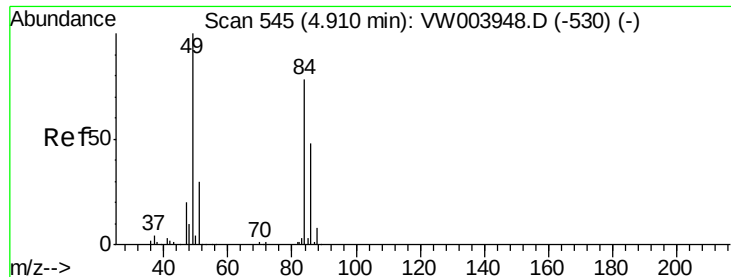
Tot Ion: 76 Resp: 3303
Ion Ratio Lower Upper
76 100
78 11.4 7.4 11.0#



#18
Methyl Acetate
Concen: 3.496 ug/l
RT: 4.68 min Scan# 508
Delta R.T. 0.01 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

Tgt Ion: 43 Resp: 658
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.6#

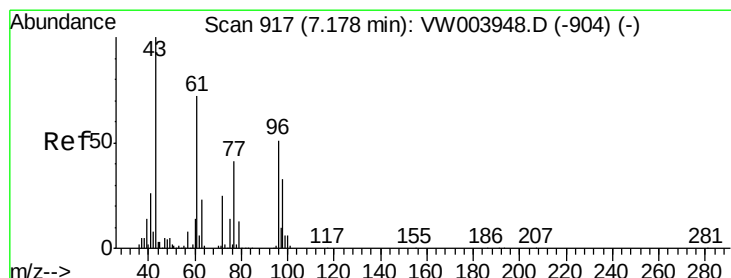
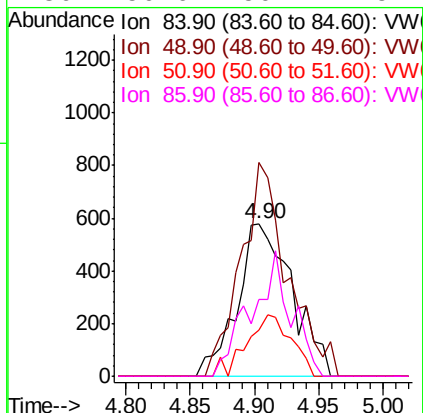
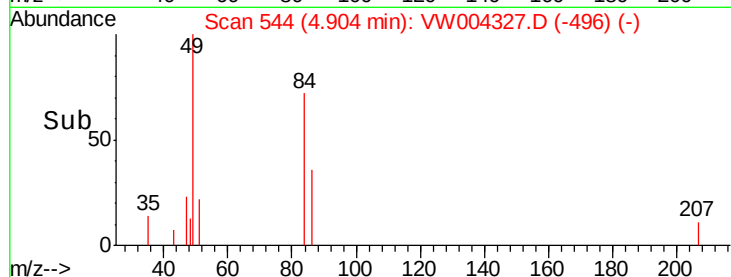
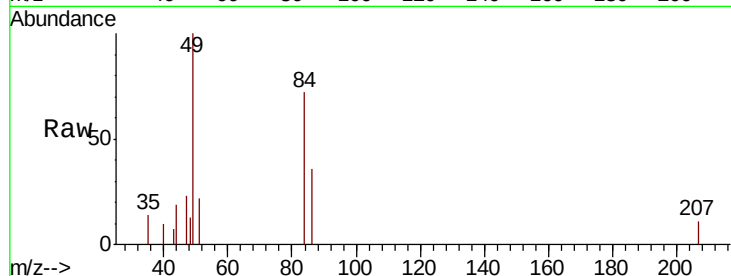




#20
Methylene Chloride
Concen: 2.572 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

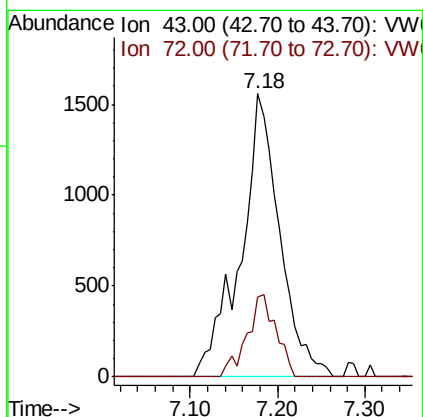
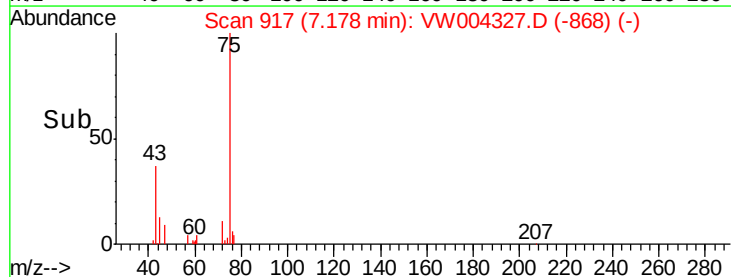
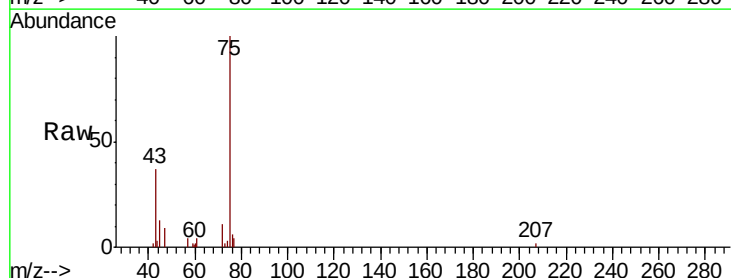
Instrument :
MSVOA_W
ClientSampled :

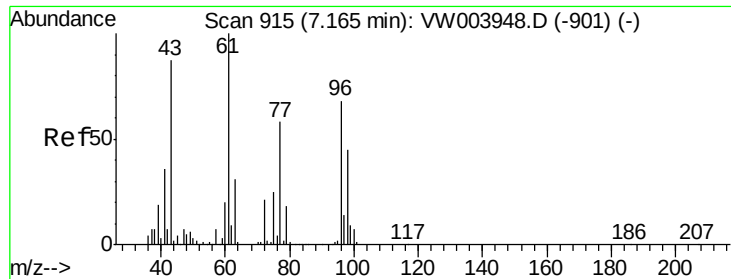
Tot Ion: 84 Resp: 1710
Ion Ratio Lower Upper
84 100
49 139.6 100.5 150.7
51 30.1 30.9 46.3#
86 50.6 50.2 75.4



#25
2-Butanone
Concen: 39.370 ug/l
RT: 7.18 min Scan# 917
Delta R.T. 0.00 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

Tgt Ion: 43 Resp: 4835
Ion Ratio Lower Upper
43 100
72 28.4 20.3 30.5





#26

2,2-Dichloropropane

Concen: 2.879 ug/l

RT: 7.14 min Scan# 911

Delta R.T. -0.02 min

Lab File: VW004327.D

Acq: 29 Jul 2018 21:15

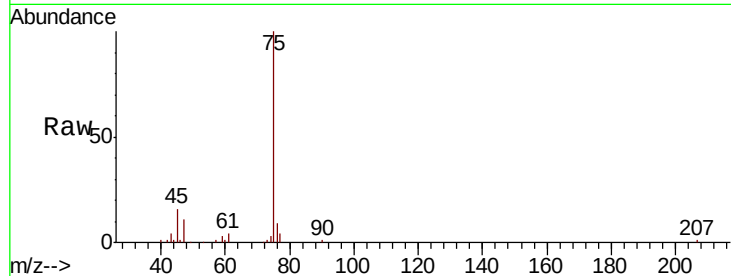
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 77 Resp: 1428

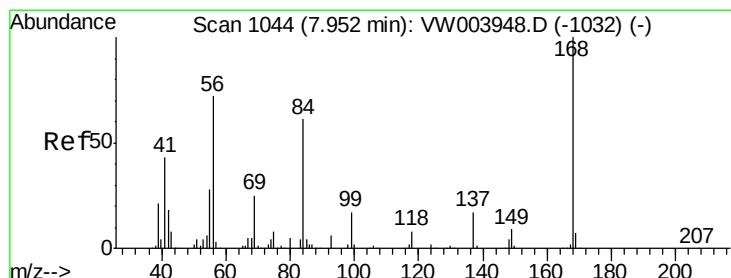
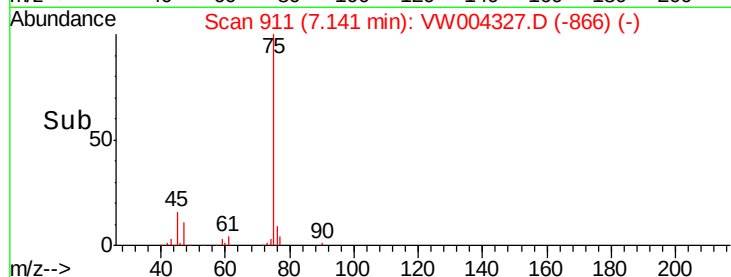
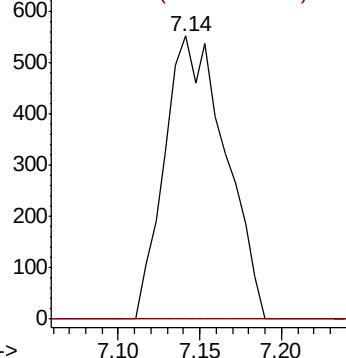
Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.1#



Abundance Ion 76.90 (76.60 to 77.60): VW
Ion 96.90 (96.60 to 97.60): VW



#31

Cyclohexane

Concen: 1.773 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004327.D

Acq: 29 Jul 2018 21:15

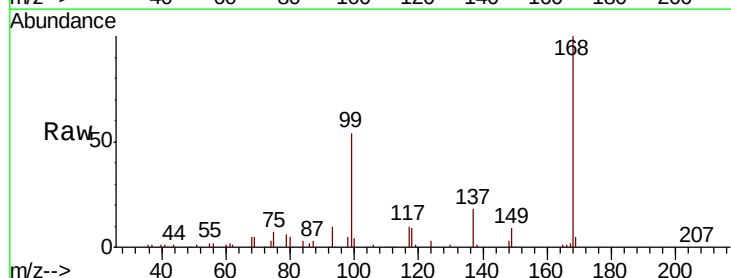
Tgt Ion: 56 Resp: 1338

Ion Ratio Lower Upper

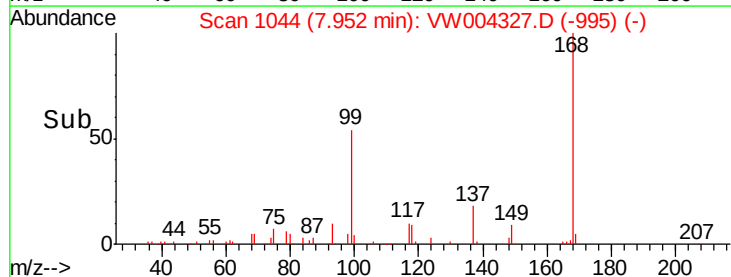
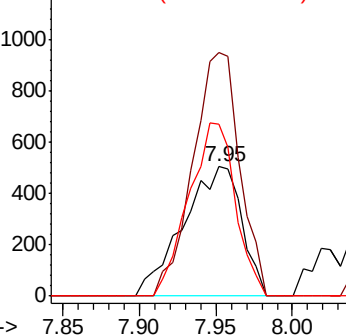
56 100

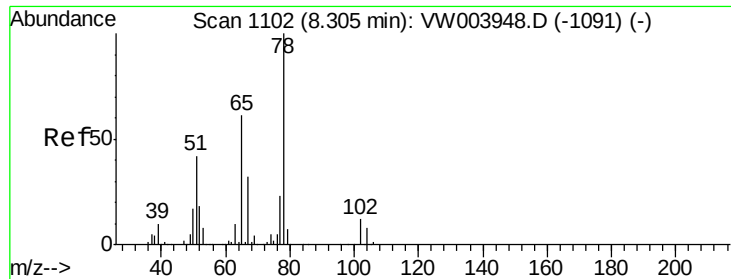
69 187.7 26.3 39.5#

84 132.7 66.2 99.4#



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

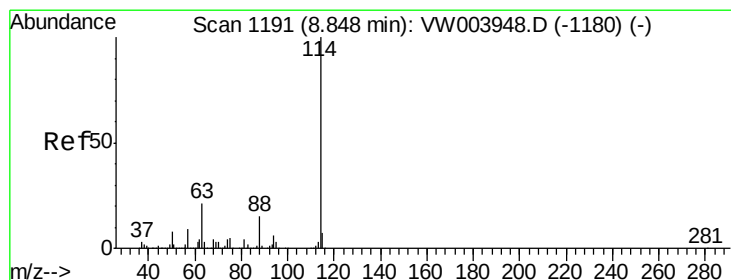
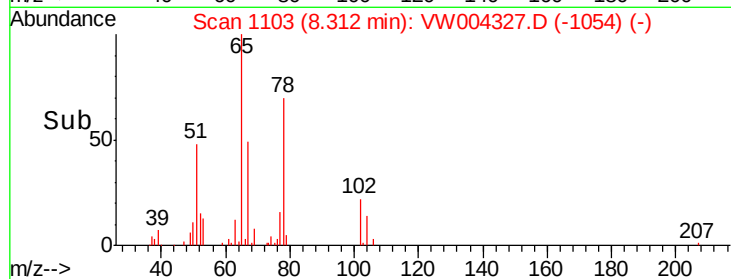
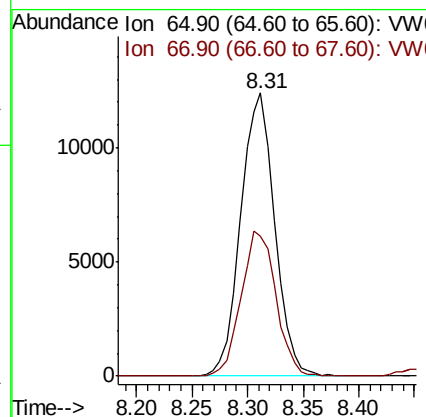
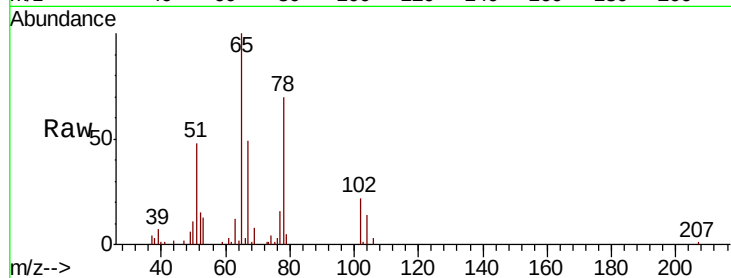




#33
 1,2-Dichloroethane-d4
 Concen: 59.394 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW004327.D
 Acq: 29 Jul 2018 21:15

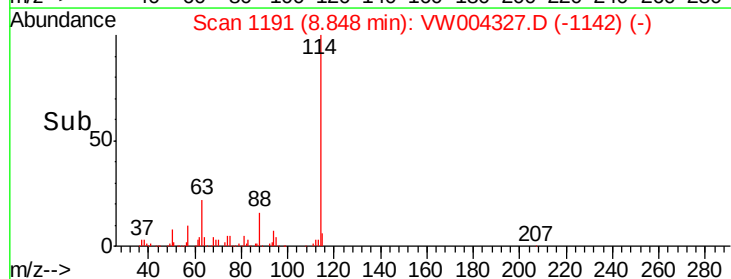
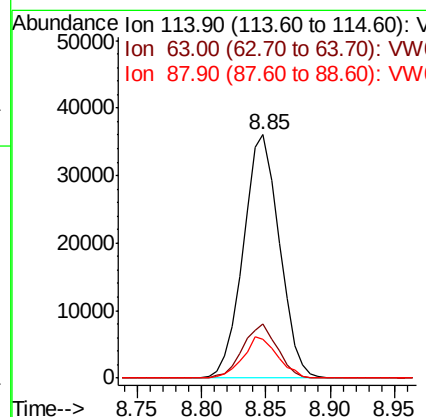
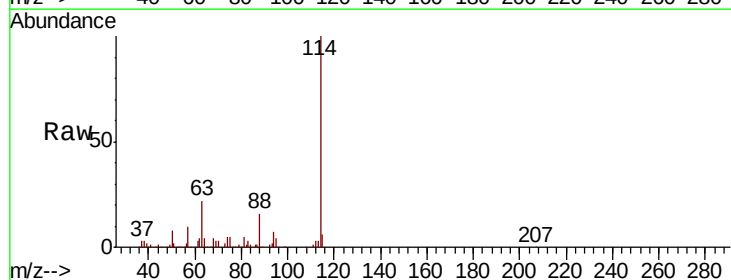
Instrument :
 MSVOA_W
 ClientSampled :

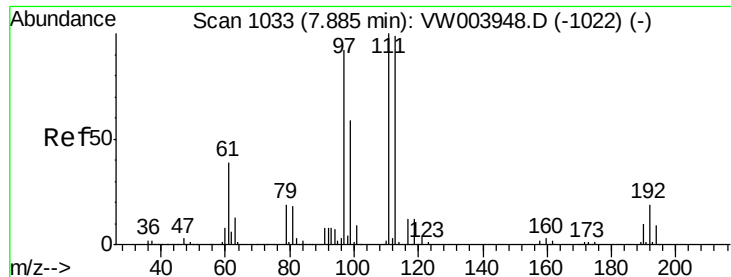
Tot Ion: 65 Resp: 26263
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004327.D
 Acq: 29 Jul 2018 21:15

Tgt Ion: 114 Resp: 69996
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 41.4
 88 15.9 0.0 30.6

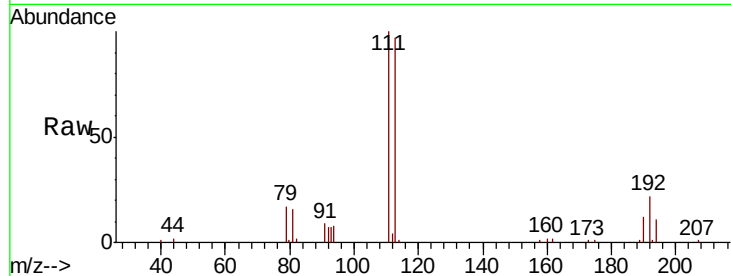




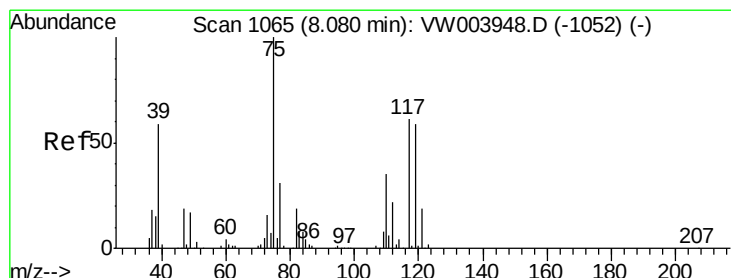
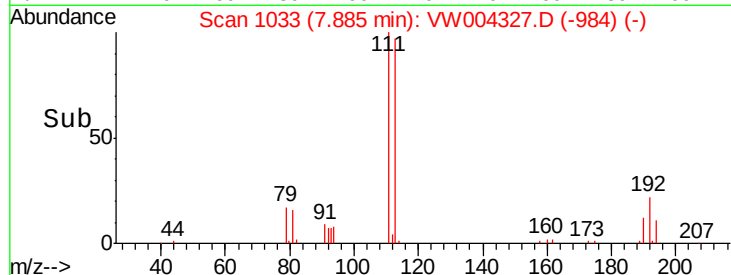
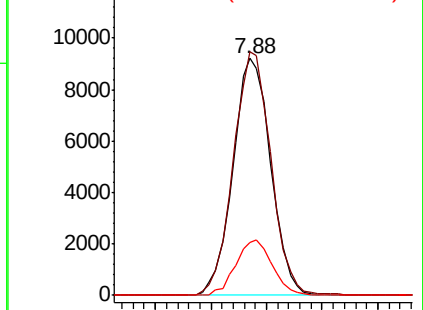
#35
Dibromofluoromethane
Concen: 48.880 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:113 Resp: 21622
Ion Ratio Lower Upper
113 100
111 102.7 82.1 123.1
192 22.4 16.2 24.4

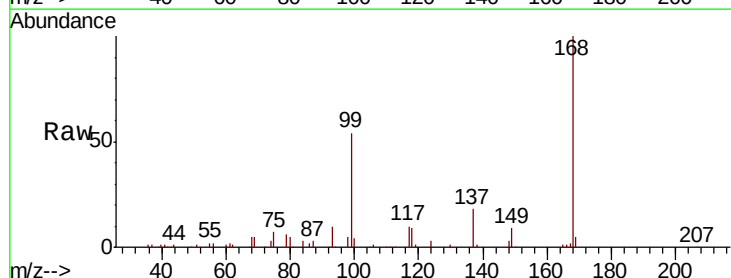


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

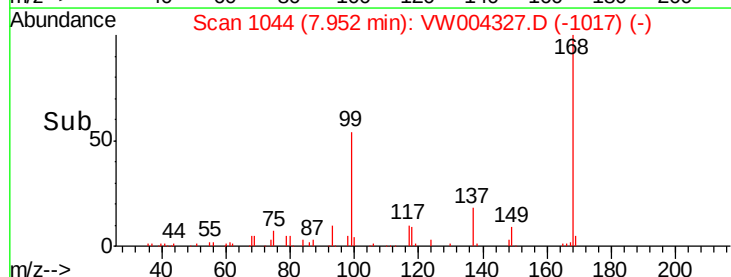
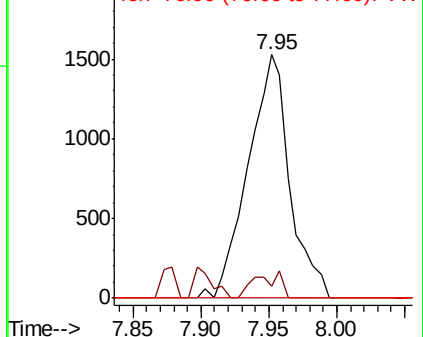


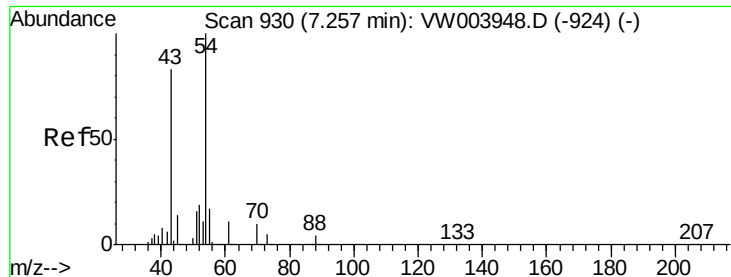
#36
1,1-Dichloropropene
Concen: 4.658 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.13 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

Tgt Ion: 75 Resp: 3262
Ion Ratio Lower Upper
75 100
110 6.7 17.3 52.0#
77 0.0 25.0 37.6#



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

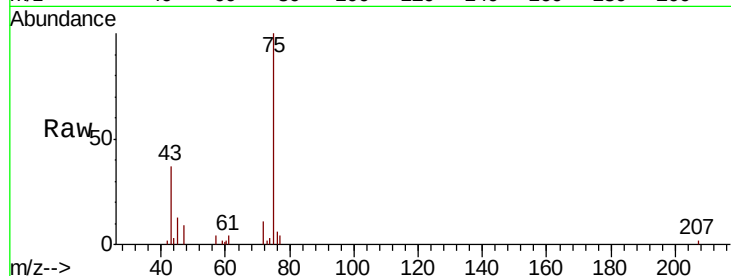




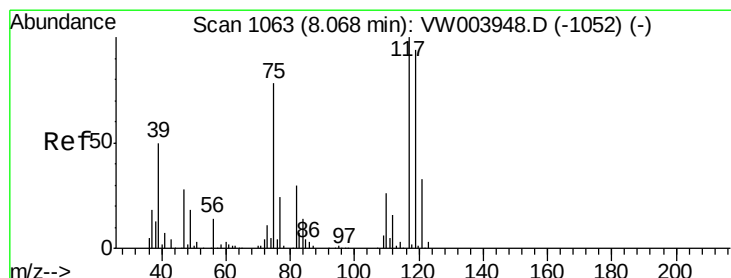
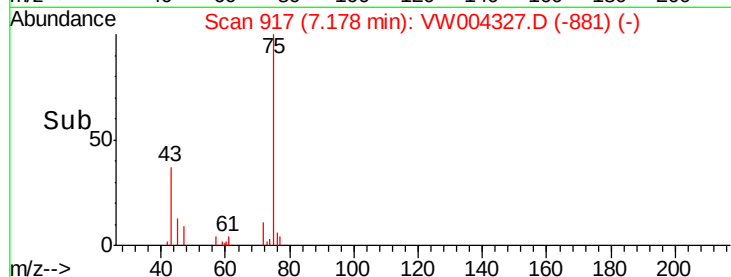
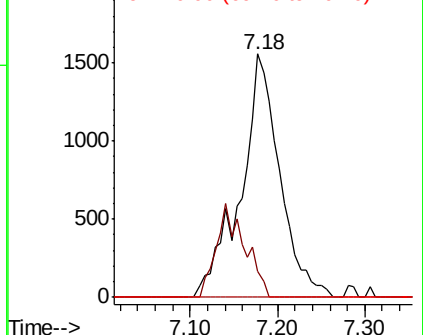
#37
Ethyl Acetate
Concen: 16.850 ug/l
RT: 7.18 min Scan# 917
Delta R.T. -0.08 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 4835
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 7.8 11.6#

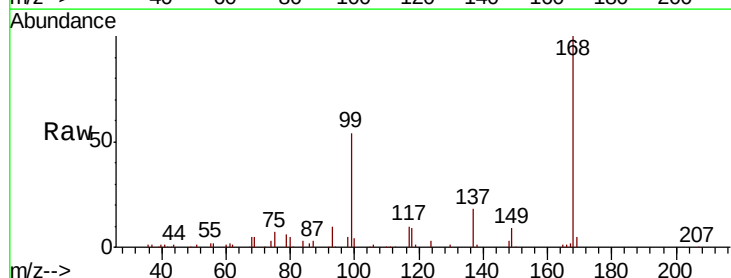


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

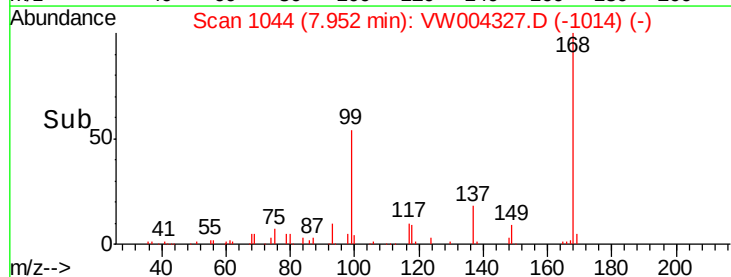
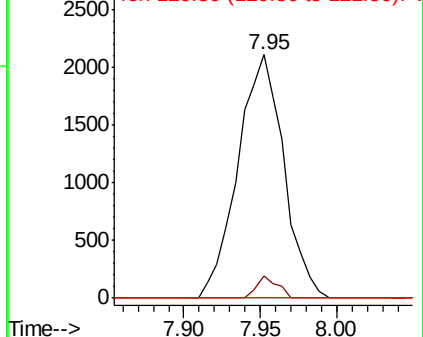


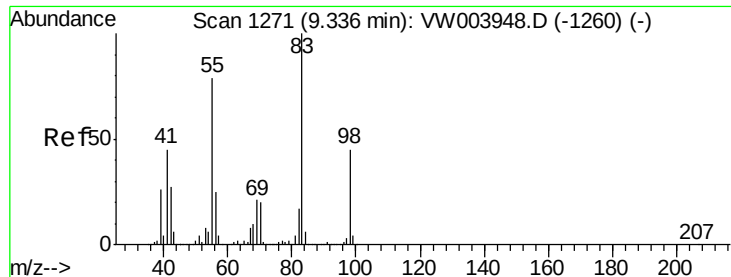
#38
Carbon Tetrachloride
Concen: 6.340 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

Tgt Ion: 117 Resp: 4384
Ion Ratio Lower Upper
117 100
119 9.1 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

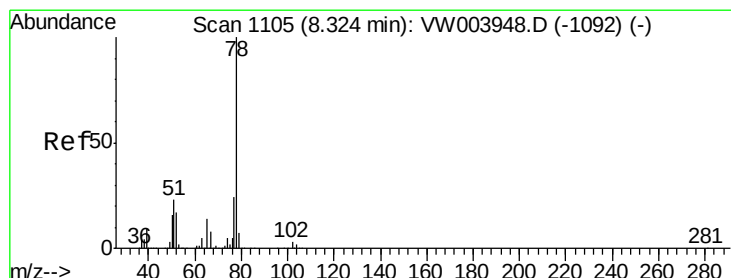
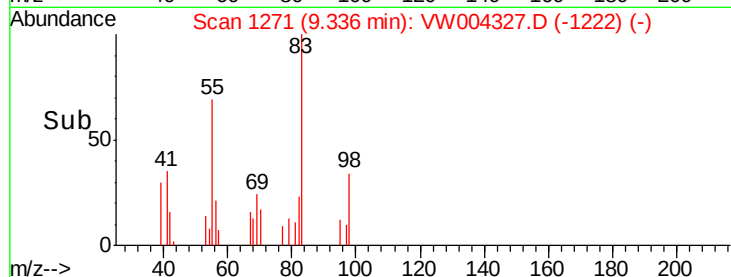
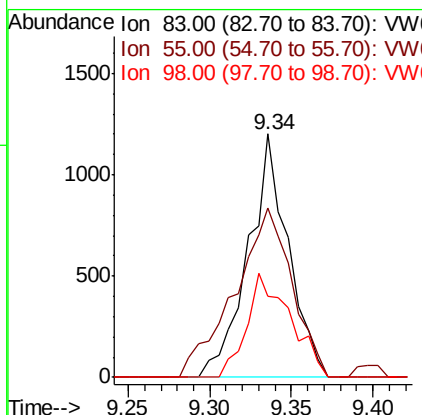
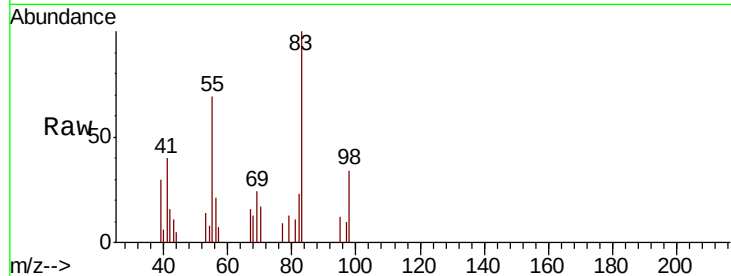




#39
Methylvlcyclohexane
Concen: 2.431 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

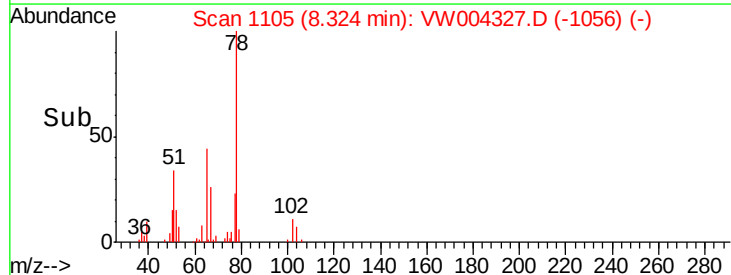
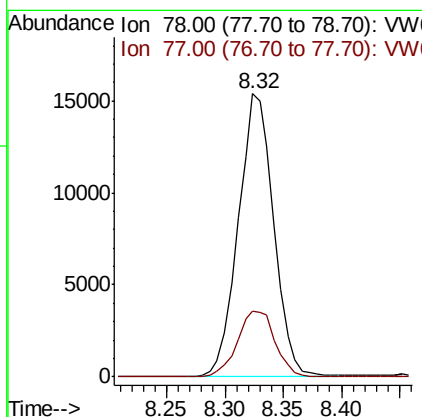
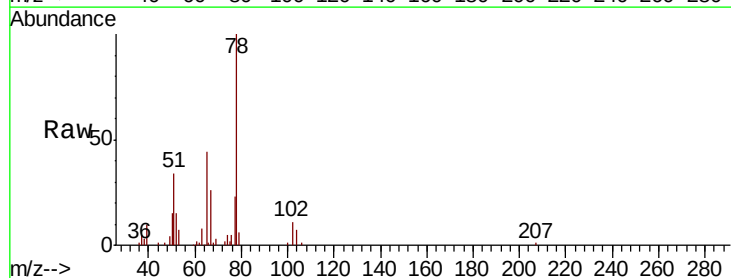
Instrument :
MSVOA_W
ClientSampleId :

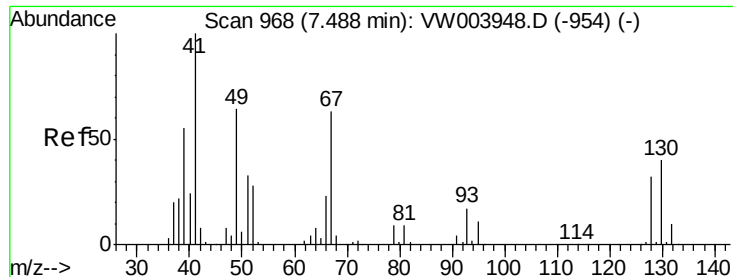
Tot Ion: 83 Resp: 2051
Ion Ratio Lower Upper
83 100
55 69.4 64.3 96.5
98 33.5 36.3 54.5#



#40
Benzene
Concen: 16.564 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

Tgt Ion: 78 Resp: 32628
Ion Ratio Lower Upper
78 100
77 23.4 19.4 29.0





#41

Methacrylonitrile

Concen: 2.342 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.06 min

Lab File: VW004327.D

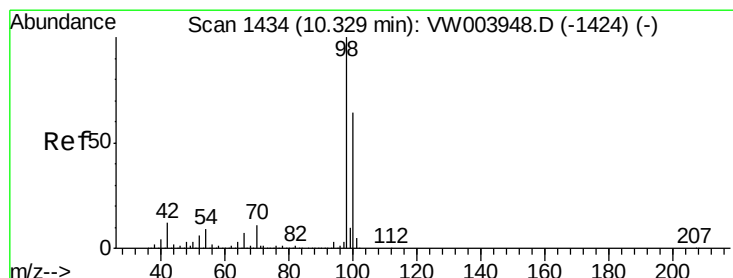
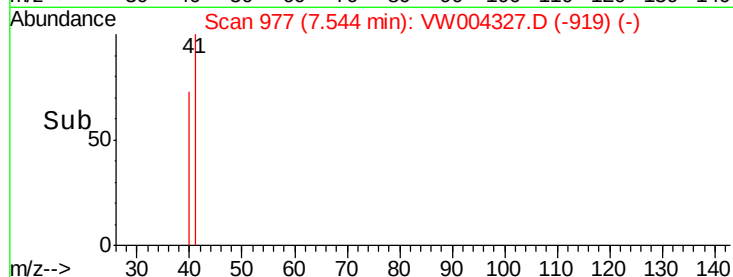
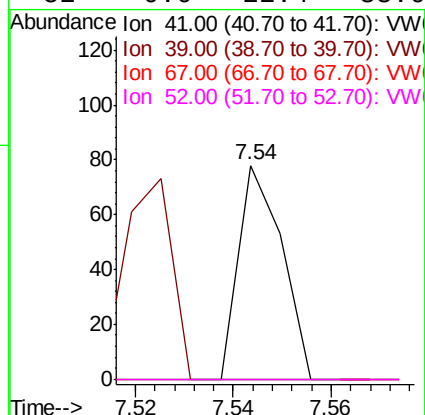
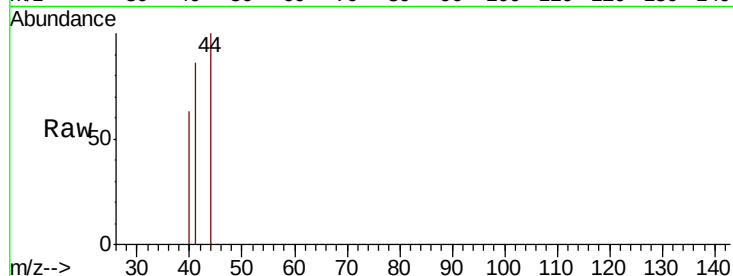
Acq: 29 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:	41	Resp:	48
Ion	Ratio	Lower	Upper
41	100		
39	102.1	41.2	61.8#
67	0.0	53.4	80.0#
52	0.0	22.4	33.6#



#50

Toluene-d8

Concen: 28.582 ug/l

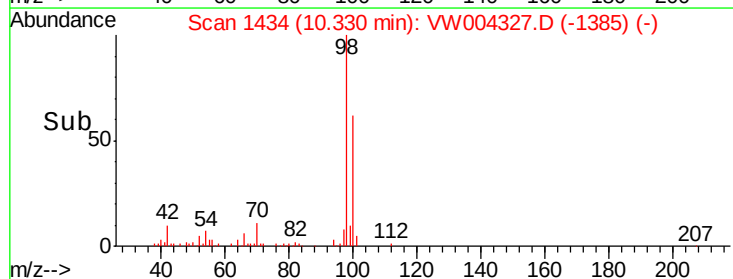
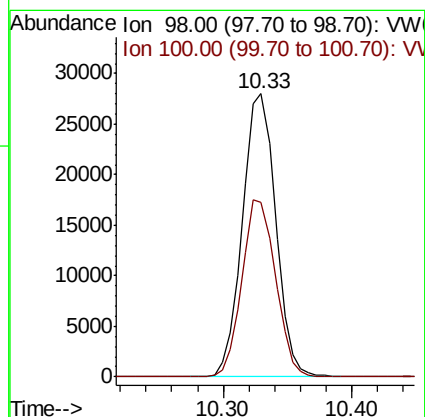
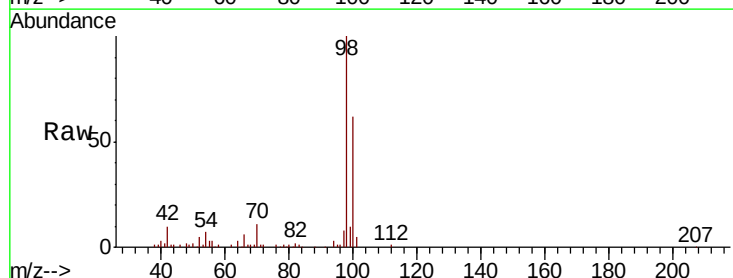
RT: 10.33 min Scan# 1434

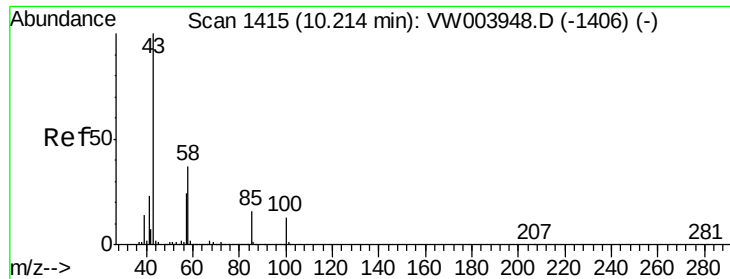
Delta R.T. 0.00 min

Lab File: VW004327.D

Acq: 29 Jul 2018 21:15

Tgt Ion:	98	Resp:	49966
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.5	77.3

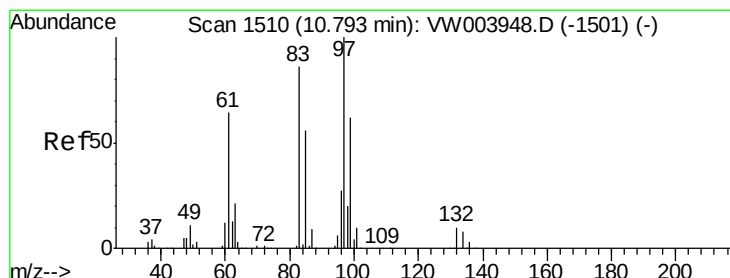
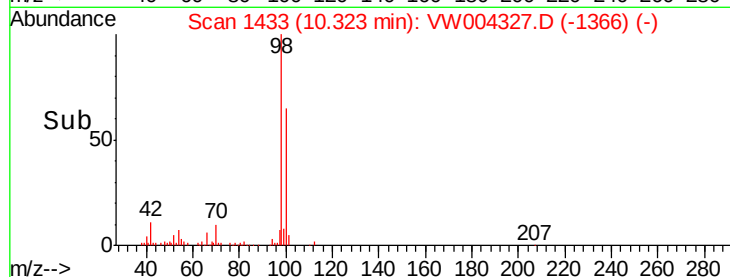
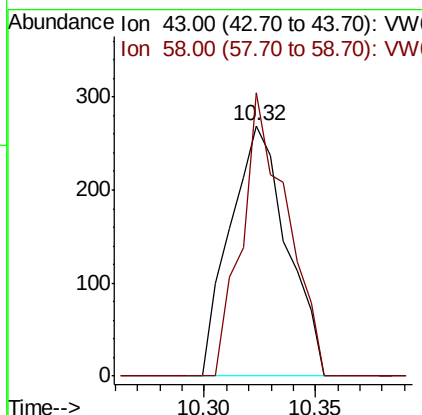
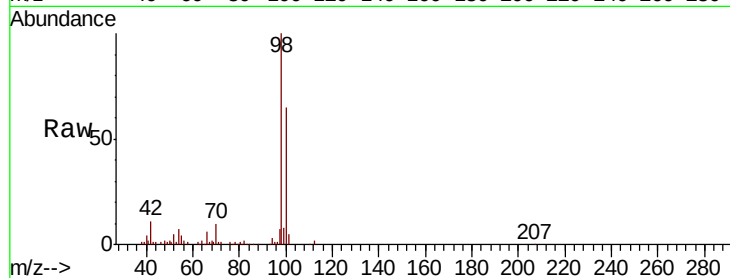




#51
 4-Methyl-2-Pentanone
 Concen: 1.684 ug/l
 RT: 10.32 min Scan# 1433
 Delta R.T. 0.11 min
 Lab File: VW004327.D
 Acq: 29 Jul 2018 21:15

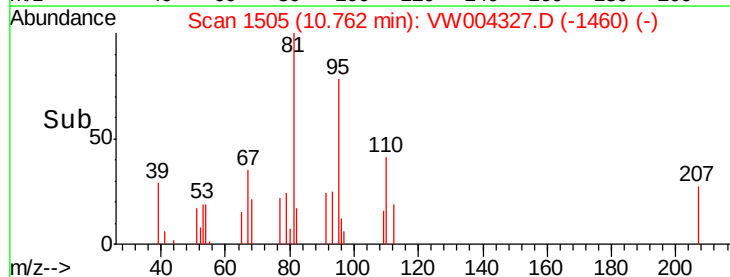
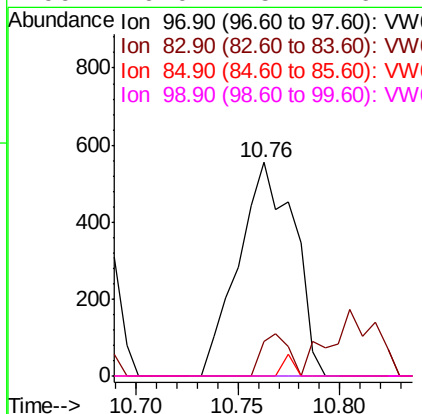
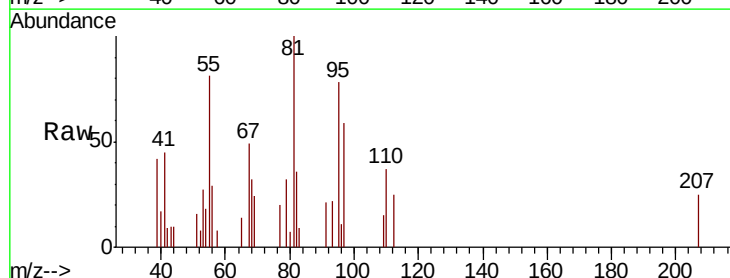
Instrument :
 MSVOA_W
 ClientSampleId :

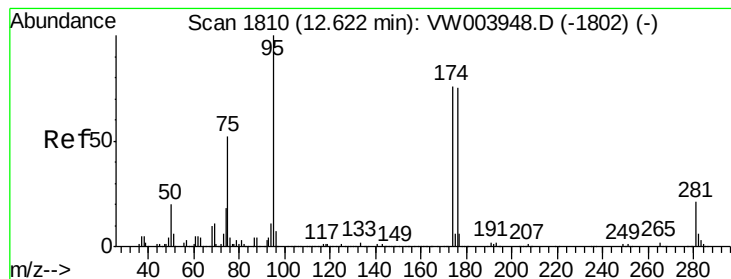
Tot Ion: 43 Resp: 478
 Ion Ratio Lower Upper
 43 100
 58 90.0 30.6 45.8#



#55
 1,1,2-Trichloroethane
 Concen: 2.961 ug/l
 RT: 10.76 min Scan# 1505
 Delta R.T. -0.02 min
 Lab File: VW004327.D
 Acq: 29 Jul 2018 21:15

Tgt Ion: 97 Resp: 1053
 Ion Ratio Lower Upper
 97 100
 83 15.9 70.8 106.2#
 85 0.0 43.7 65.5#
 99 0.0 45.1 67.7#





#62

4-Bromofluorobenzene

Concen: 27.808 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004327.D

Acq: 29 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampleId :

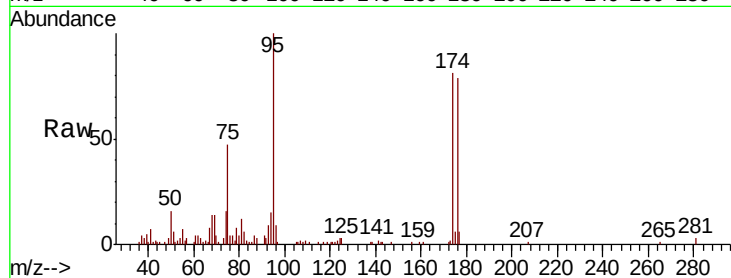
Tot Ion: 95 Resp: 17117

Ion Ratio Lower Upper

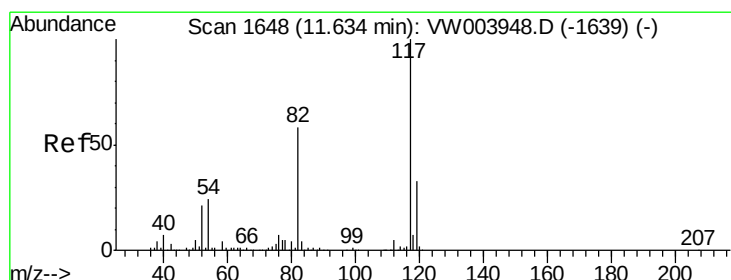
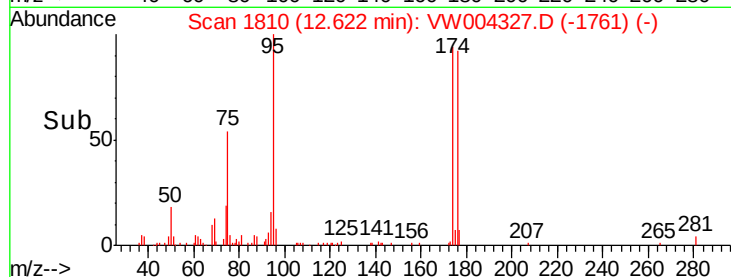
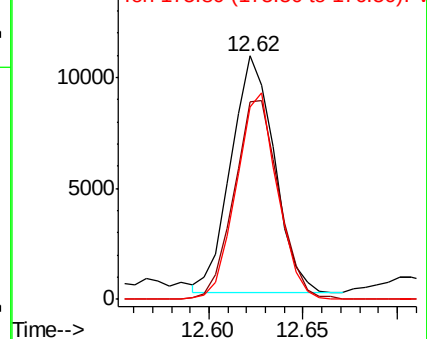
95 100

174 86.1 0.0 167.8

176 82.3 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: VW004327.D

Acq: 29 Jul 2018 21:15

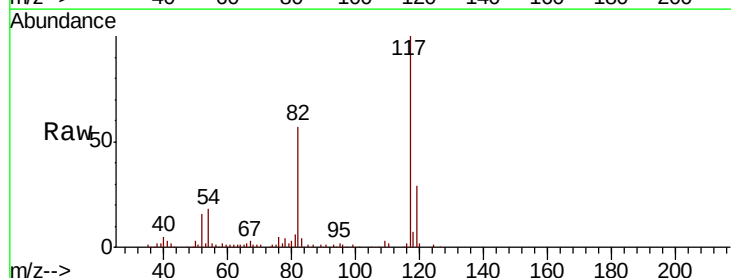
Tgt Ion: 117 Resp: 40195

Ion Ratio Lower Upper

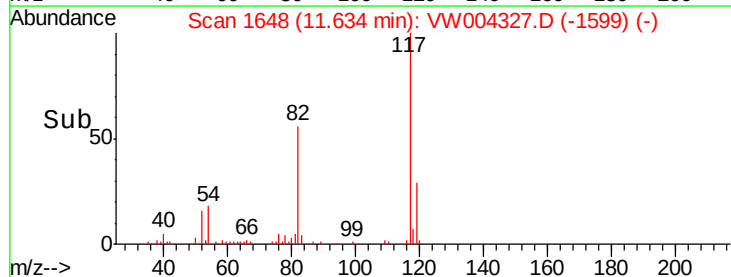
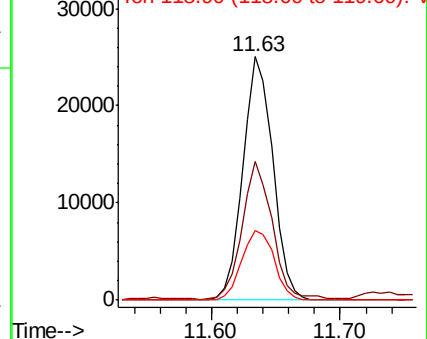
117 100

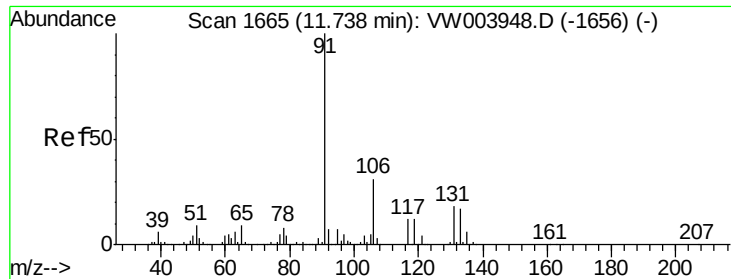
82 56.5 47.9 71.9

119 28.7 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

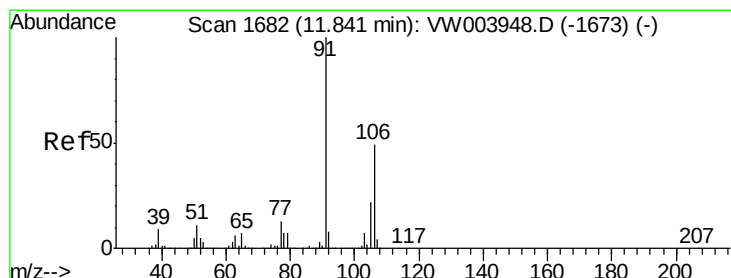
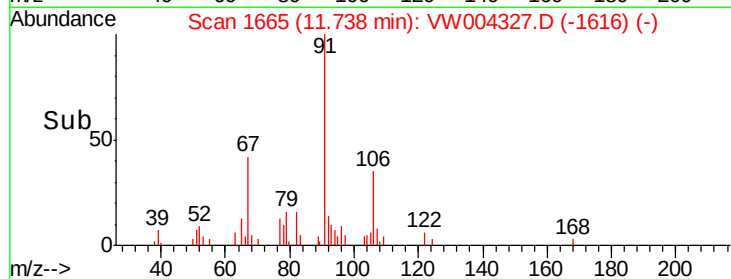
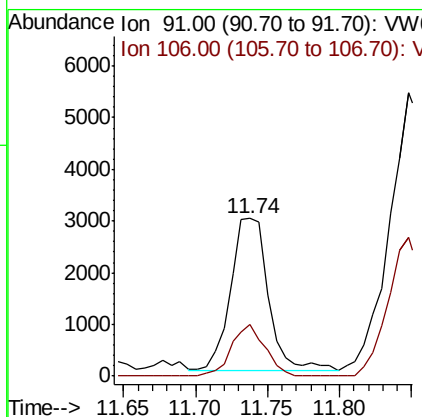
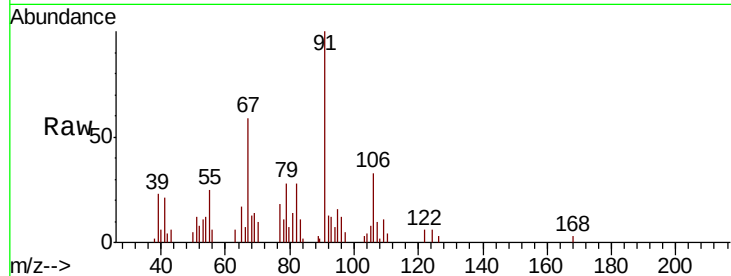




#67
Ethyl Benzene
Concen: 3.664 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

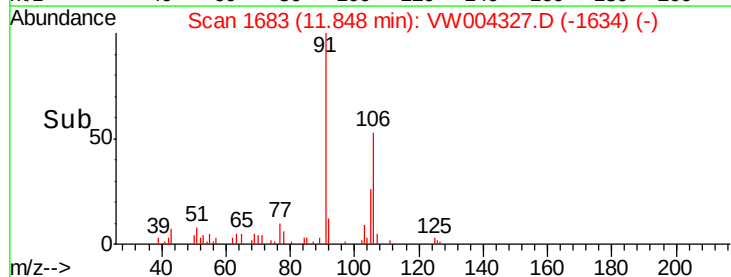
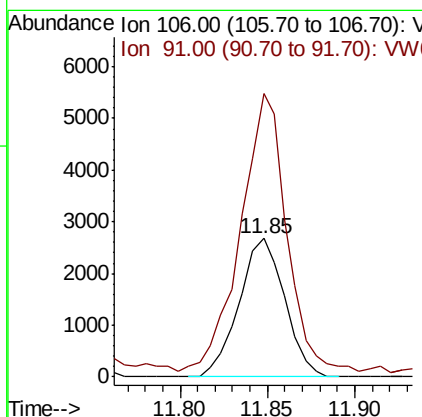
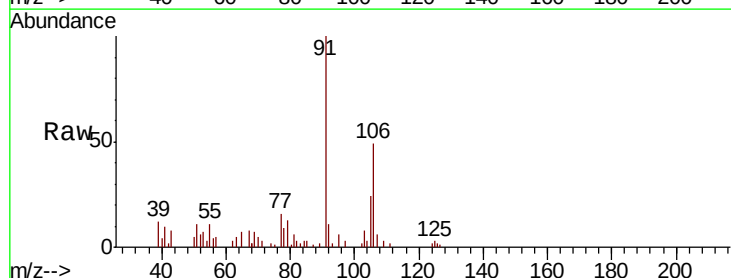
Instrument :
MSVOA_W
ClientSampled :

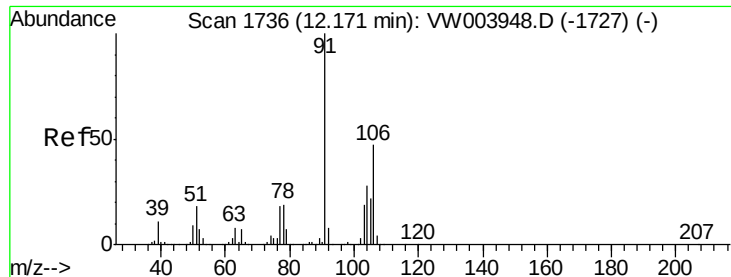
Tot Ion: 91 Resp: 5391
Ion Ratio Lower Upper
91 100
106 33.9 26.1 39.1



#68
m/p-Xylenes
Concen: 8.625 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

Tgt Ion: 106 Resp: 4884
Ion Ratio Lower Upper
106 100
91 202.4 162.2 243.2

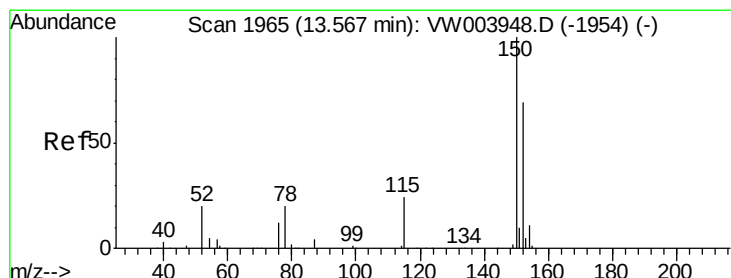
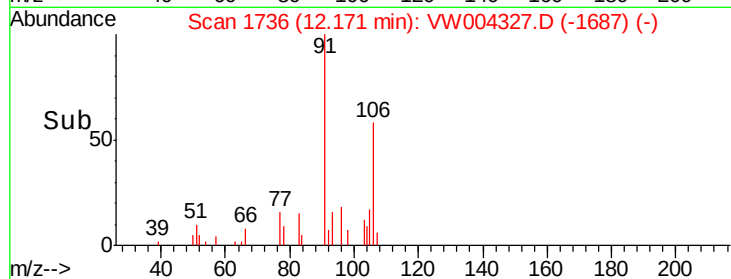
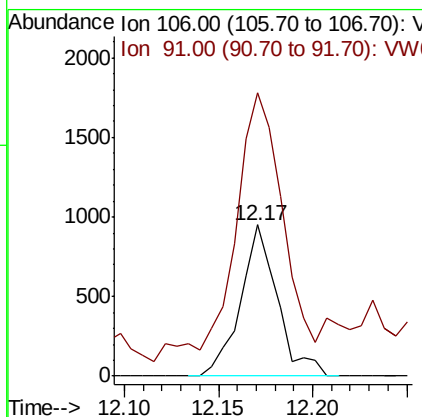
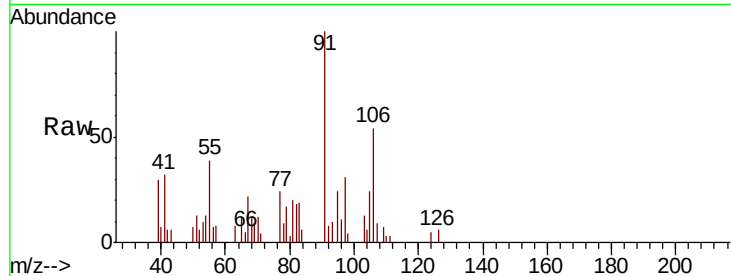




#69
o-Xylene
Concen: 2.467 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

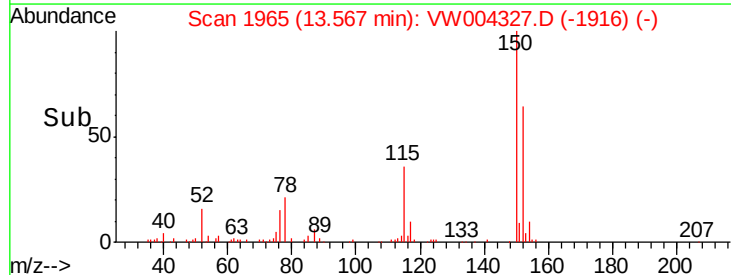
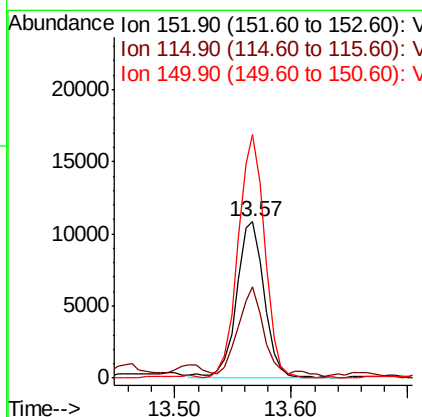
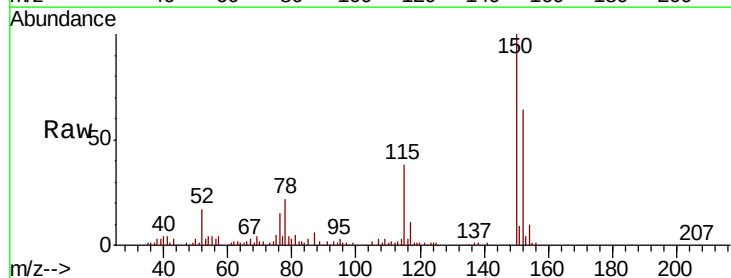
Instrument :
MSVOA_W
ClientSampled :

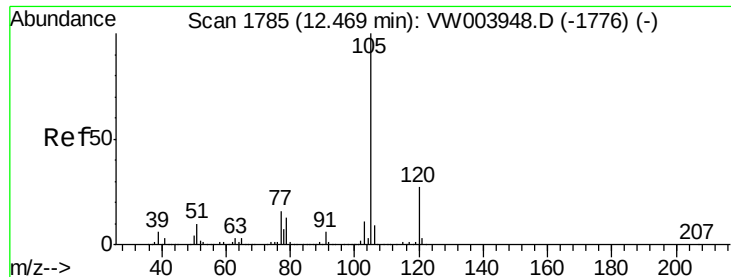
Tot Ion:106 Resp: 1291
Ion Ratio Lower Upper
106 100
91 233.1 108.7 326.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004327.D
Acq: 29 Jul 2018 21:15

Tgt Ion:152 Resp: 18021
Ion Ratio Lower Upper
152 100
115 53.8 28.8 86.4
150 148.8 0.0 346.4





#73

Isopropylbenzene

Concen: 44.576 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VW004327.D

Acq: 29 Jul 2018 21:15

Instrument :

MSVOA_W

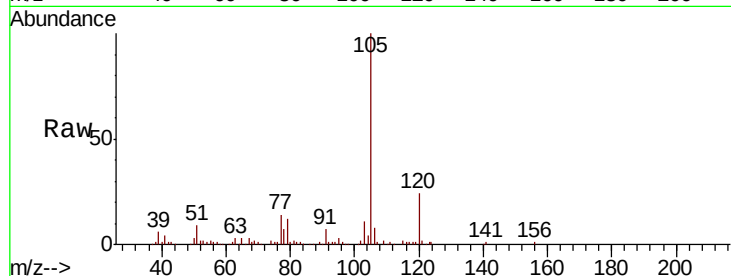
ClientSampleId :

Tot Ion:105 Resp: 55701

Ion Ratio Lower Upper

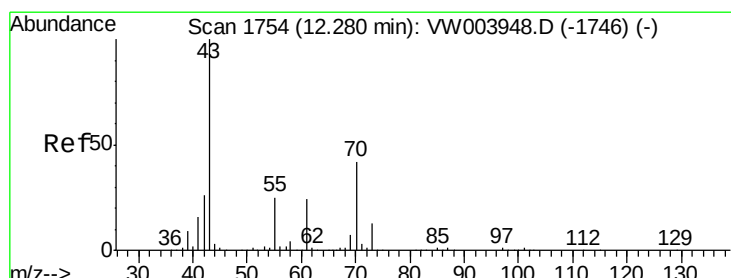
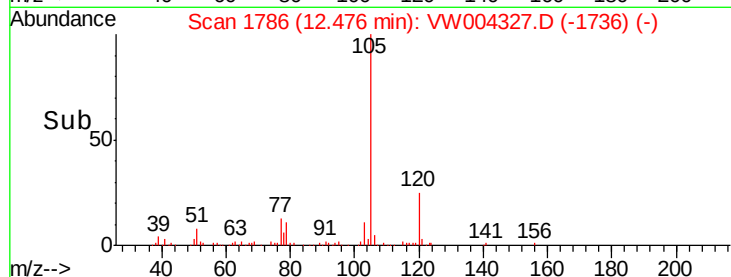
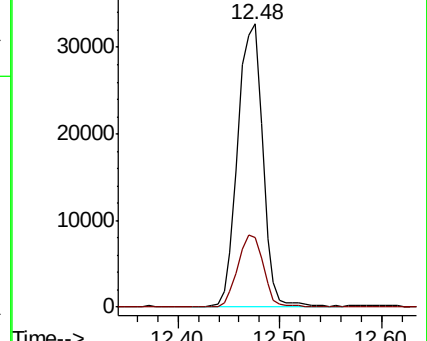
105 100

120 26.1 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.476 ug/l

RT: 12.26 min Scan# 1751

Delta R.T. -0.02 min

Lab File: VW004327.D

Acq: 29 Jul 2018 21:15

Tgt Ion: 43 Resp: 808

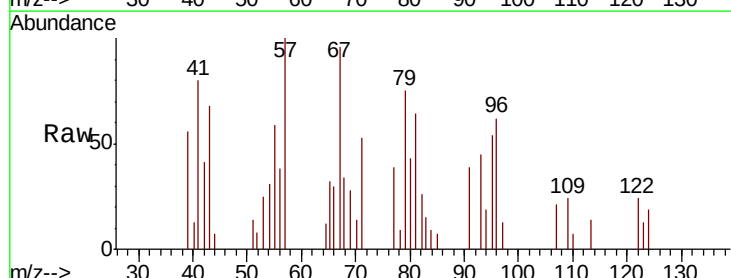
Ion Ratio Lower Upper

43 100

70 0.0 34.2 51.4#

55 0.0 21.8 32.8#

61 0.0 18.9 28.3#

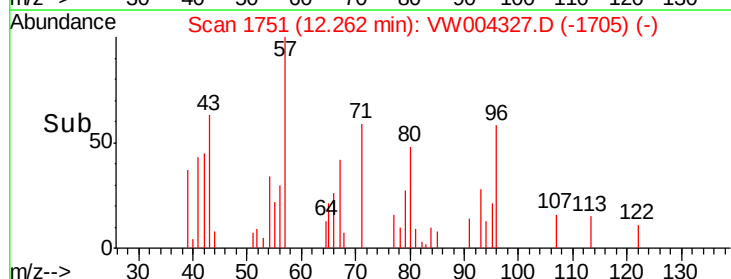
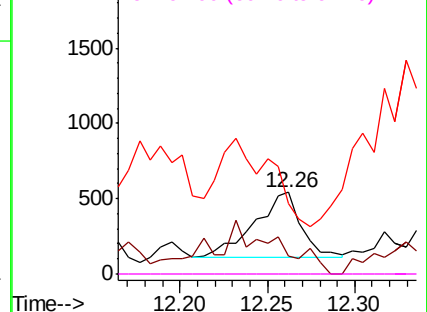


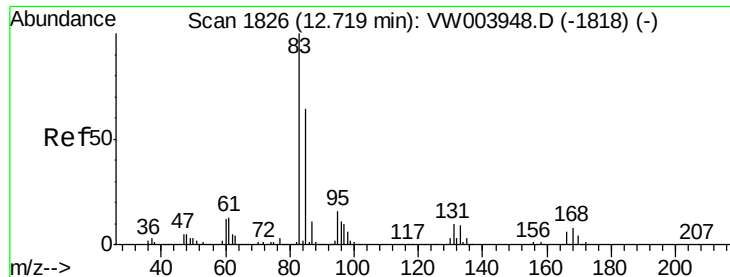
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 1.622 ug/l

RT: 12.70 min Scan# 1823

Delta R.T. -0.02 min

Lab File: VW004327.D

Acq: 29 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampleId :

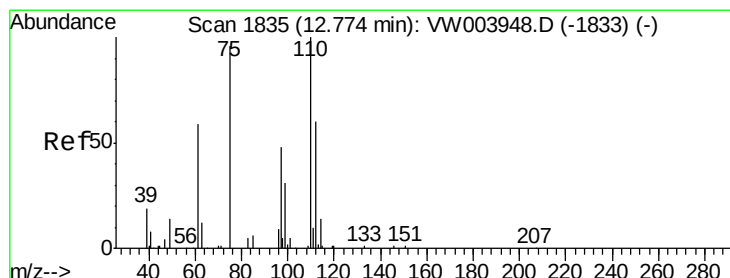
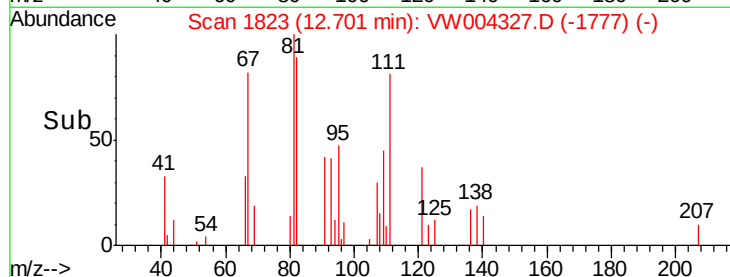
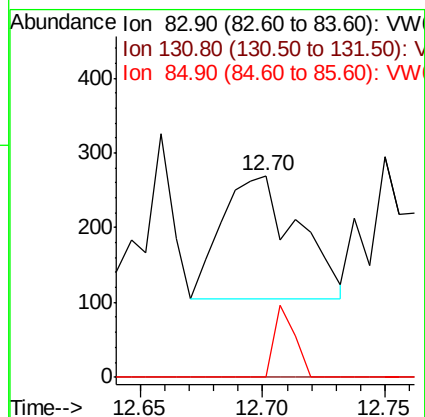
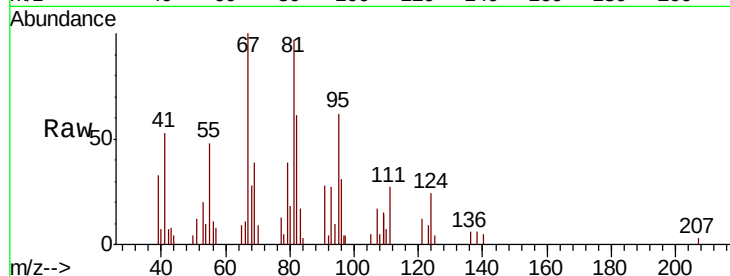
Tot Ion: 83 Resp: 355

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

85 15.8 31.9 95.9#



#76

1,2,3-Trichloropropane

Concen: 49.177 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004327.D

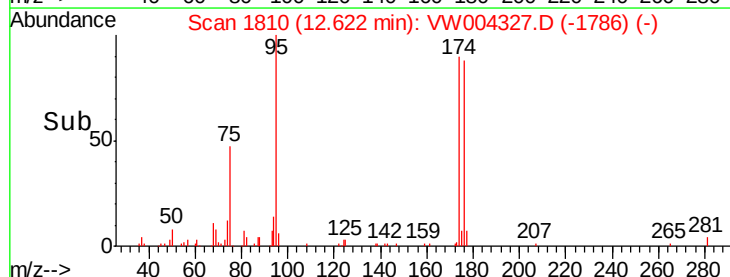
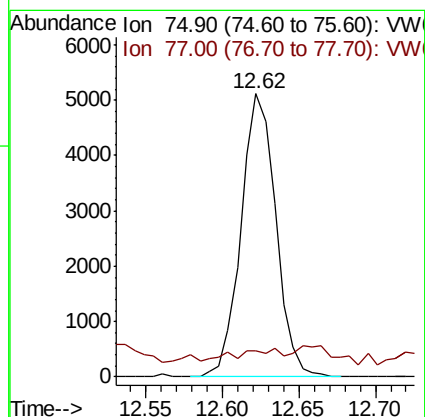
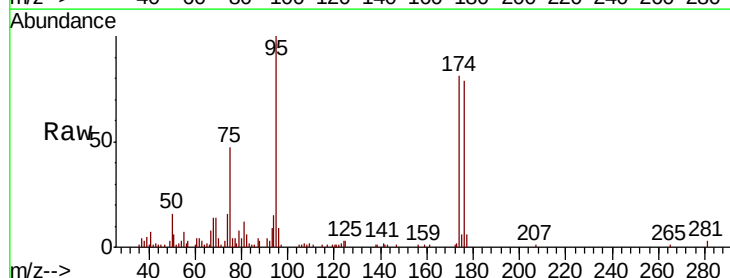
Acq: 29 Jul 2018 21:15

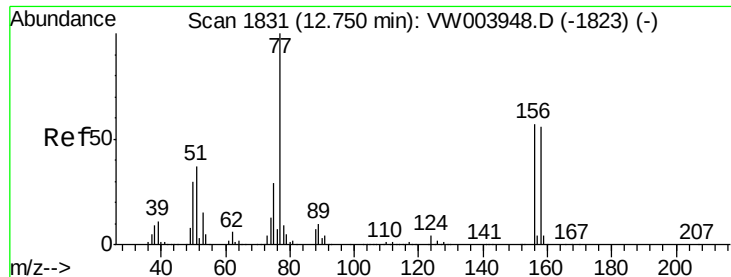
Tgt Ion: 75 Resp: 8088

Ion Ratio Lower Upper

75 100

77 5.0 0.0 0.0#





#77

Bromobenzene

Concen: 27.838 ug/l

RT: 12.94 min Scan# 1862

Delta R.T. 0.18 min

Lab File: VW004327.D

Acq: 29 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampled :

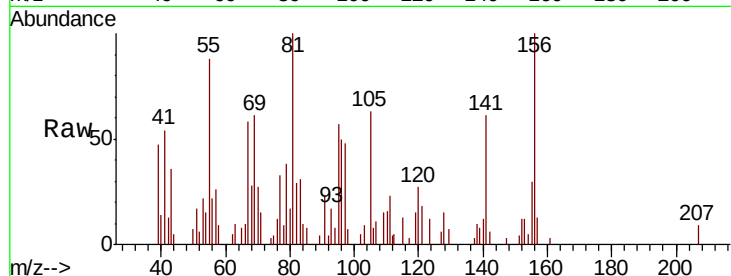
Tot Ion:156 Resp: 8405

Ion Ratio Lower Upper

156 100

77 6.1 92.9 278.7#

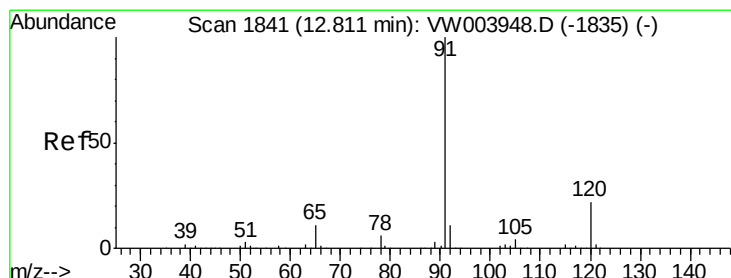
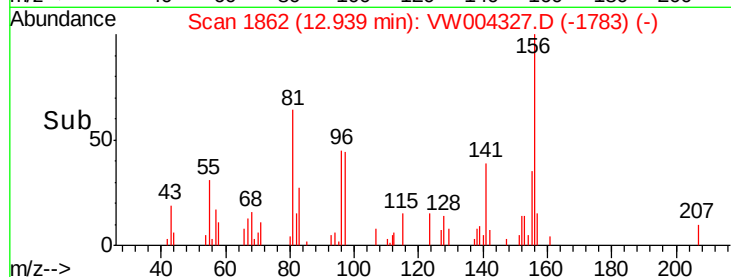
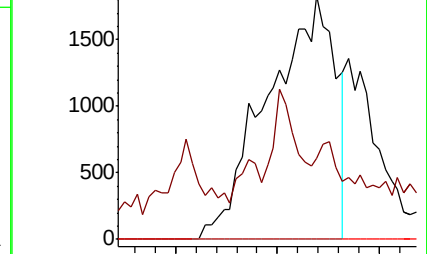
158 0.0 47.6 142.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 13.176 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004327.D

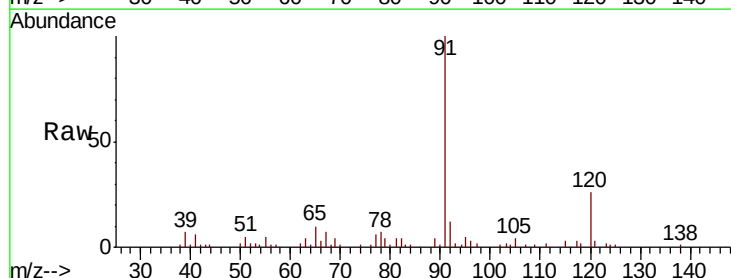
Acq: 29 Jul 2018 21:15

Tgt Ion: 91 Resp: 20057

Ion Ratio Lower Upper

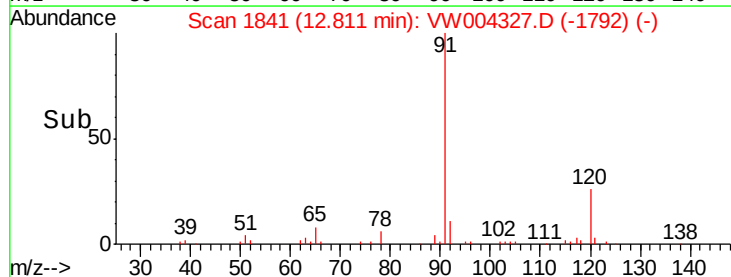
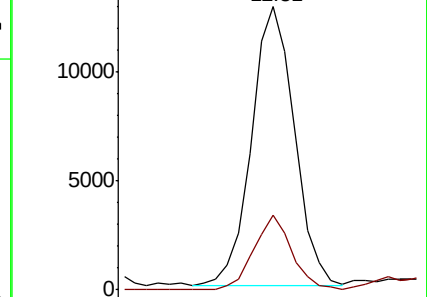
91 100

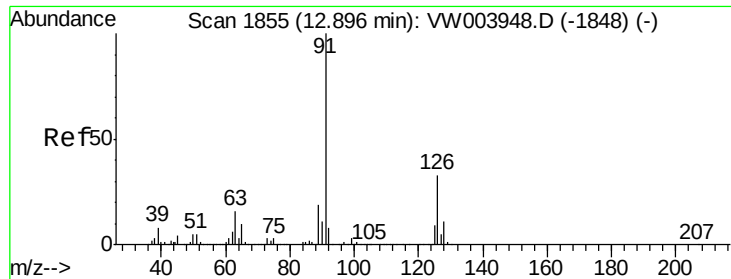
120 23.7 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

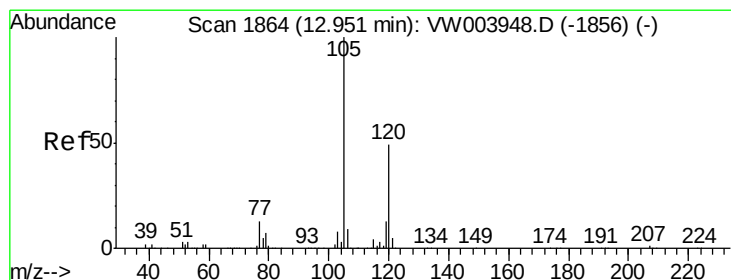
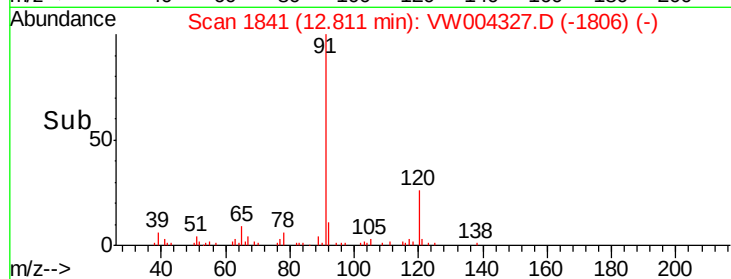
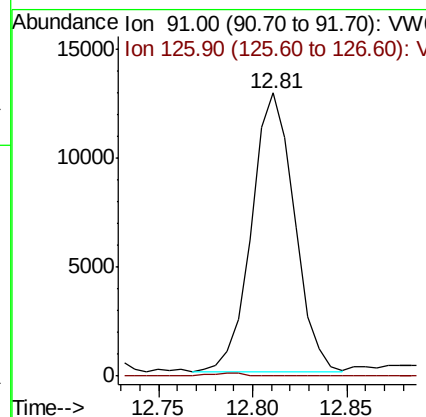
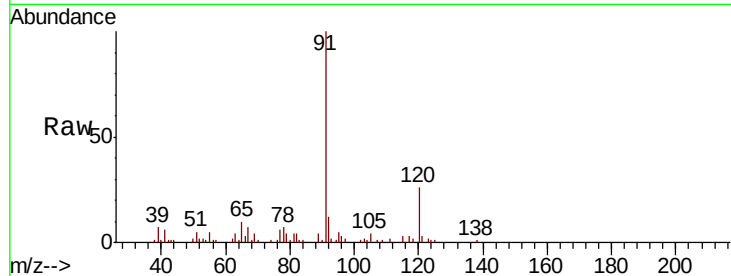




#79
 2-Chlorotoluene
 Concen: 23.036 ug/l
 RT: 12.81 min Scan# 1841
 Delta R.T. -0.09 min
 Lab File: VW004327.D
 Acq: 29 Jul 2018 21:15

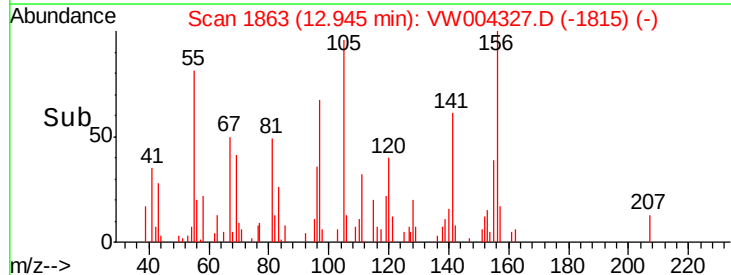
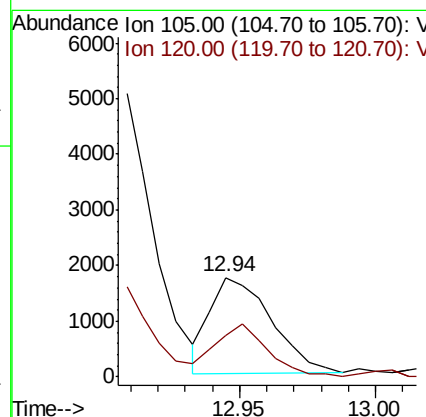
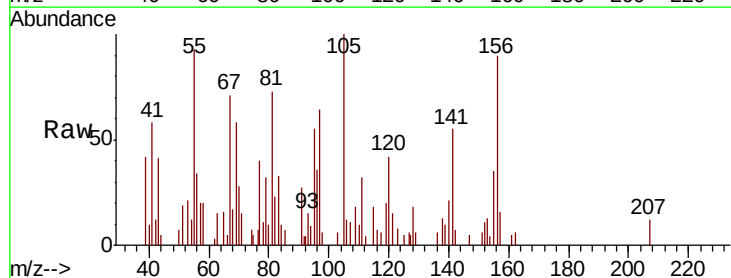
Instrument :
 MSVOA_W
 ClientSampleId :

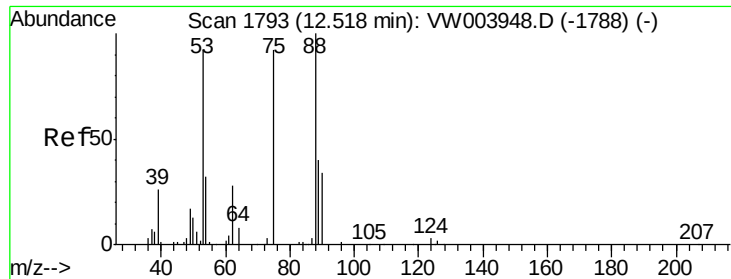
Tot Ion: 91 Resp: 20057
 Ion Ratio Lower Upper
 91 100
 126 0.8 17.1 51.2#



#80
 1,3,5-Trimethylbenzene
 Concen: 2.505 ug/l
 RT: 12.94 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: VW004327.D
 Acq: 29 Jul 2018 21:15

Tgt Ion: 105 Resp: 2697
 Ion Ratio Lower Upper
 105 100
 120 46.9 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 10.356 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.04 min

Lab File: VW004327.D

Acq: 29 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampled :

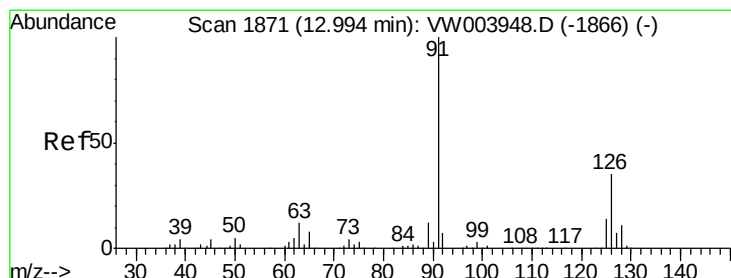
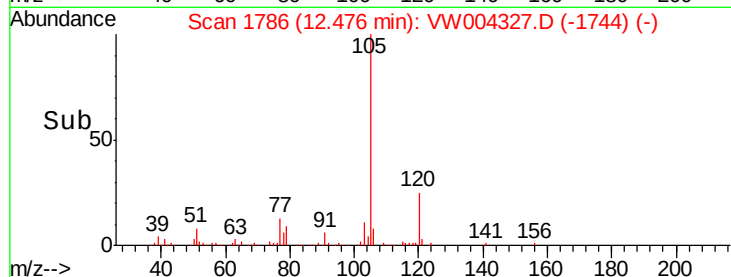
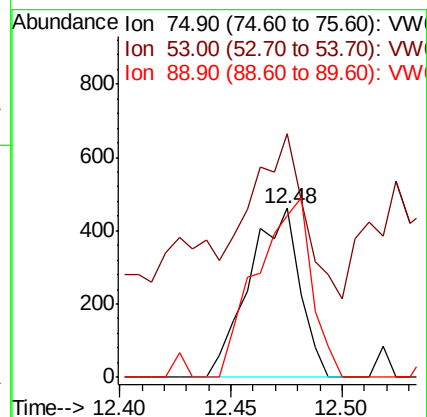
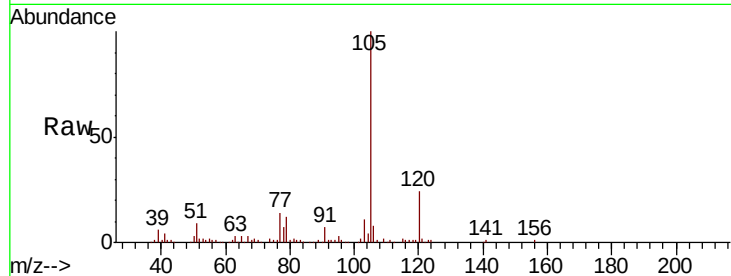
Tot Ion: 75 Resp: 732

Ion Ratio Lower Upper

75 100

53 100.8 77.6 116.4

89 113.9 36.0 54.0#



#82

4-Chlorotoluene

Concen: 3.144 ug/l

RT: 13.12 min Scan# 1891

Delta R.T. 0.12 min

Lab File: VW004327.D

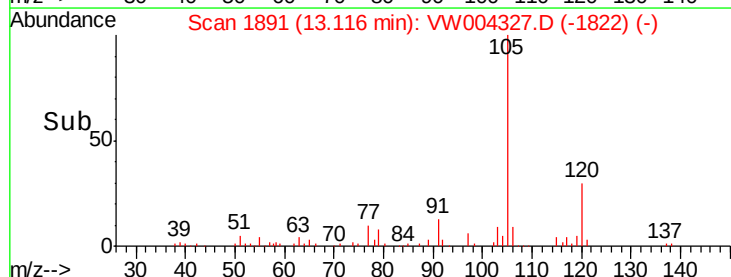
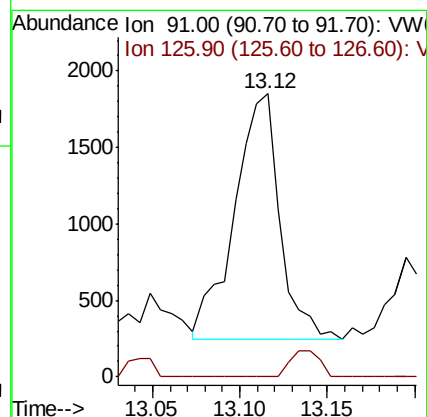
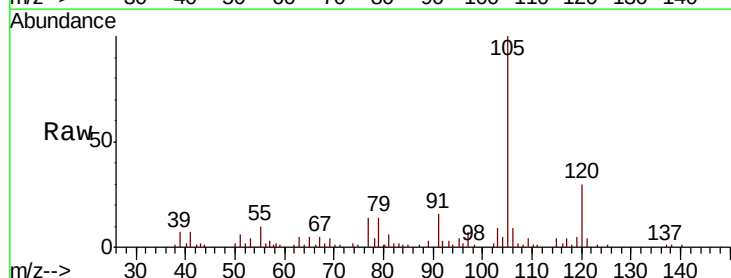
Acq: 29 Jul 2018 21:15

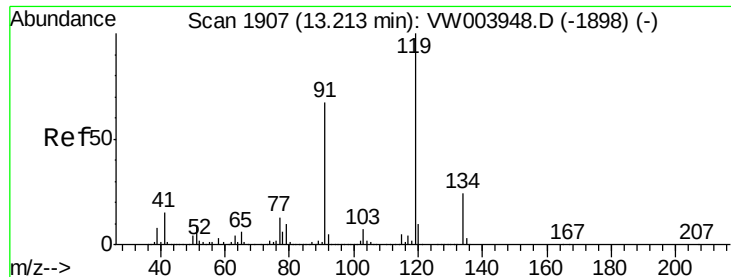
Tgt Ion: 91 Resp: 2897

Ion Ratio Lower Upper

91 100

126 6.9 17.4 52.3#

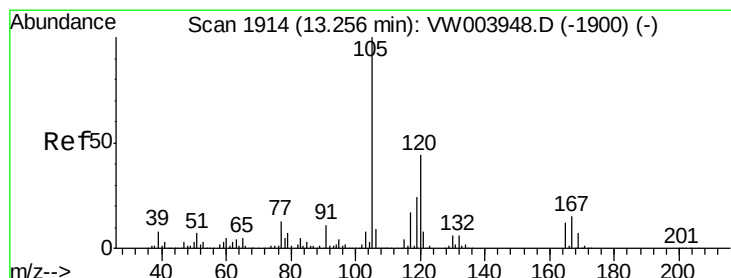
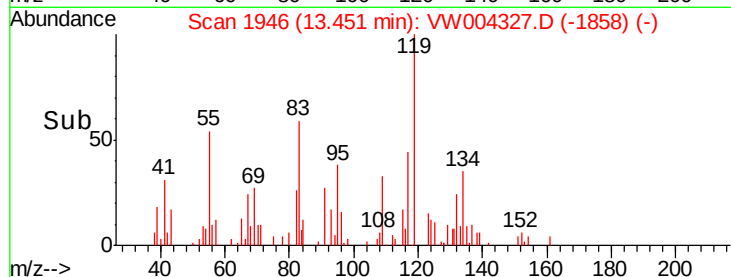
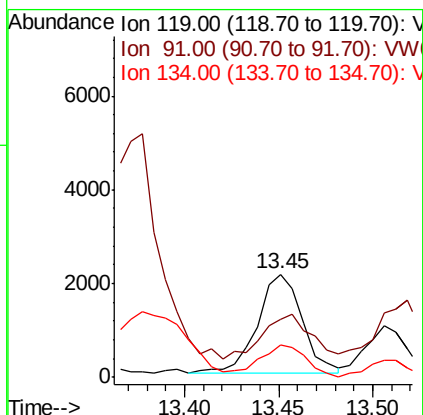
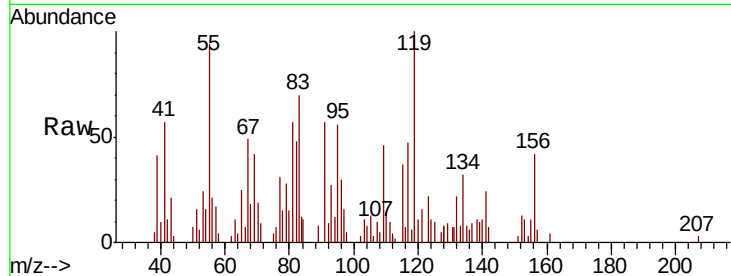




#83
 tert-Butylbenzene
 Concen: 3.827 ug/l
 RT: 13.45 min Scan# 1946
 Delta R.T. 0.24 min
 Lab File: VW004327.D
 Acq: 29 Jul 2018 21:15

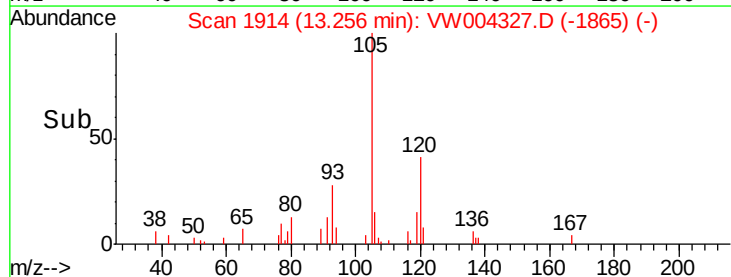
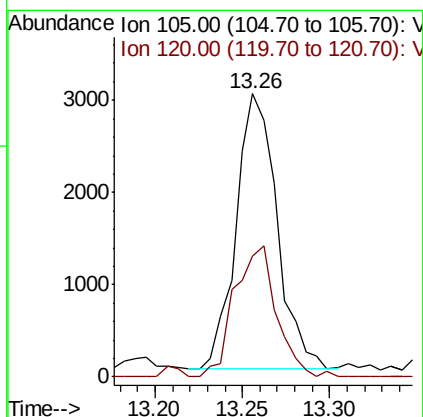
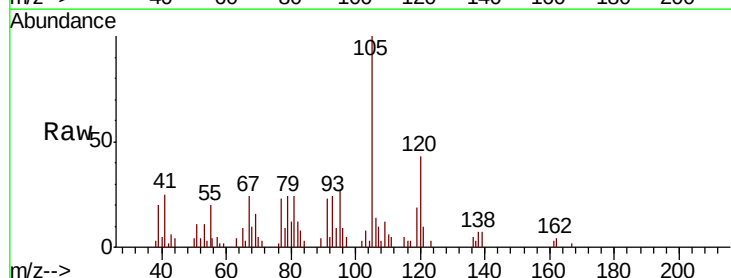
Instrument :
 MSVOA_W
 ClientSampled :

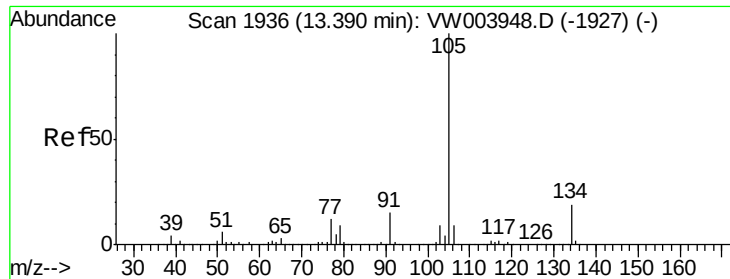
Tot Ion:119 Resp: 3432
 Ion Ratio Lower Upper
 119 100
 91 48.5 32.8 98.3
 134 35.5 12.2 36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 4.450 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004327.D
 Acq: 29 Jul 2018 21:15

Tgt Ion:105 Resp: 4886
 Ion Ratio Lower Upper
 105 100
 120 48.6 22.7 68.0

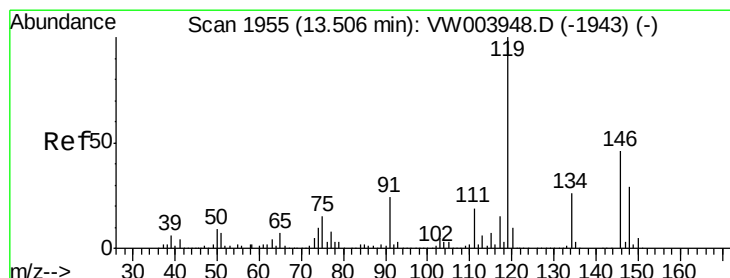
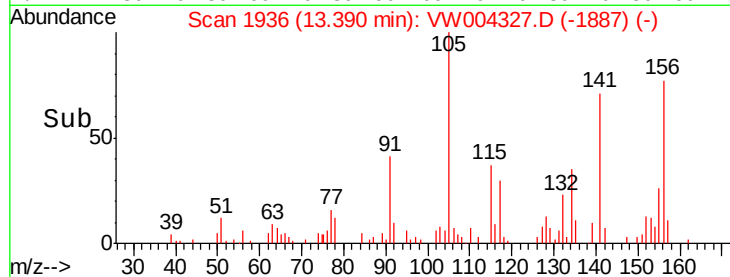
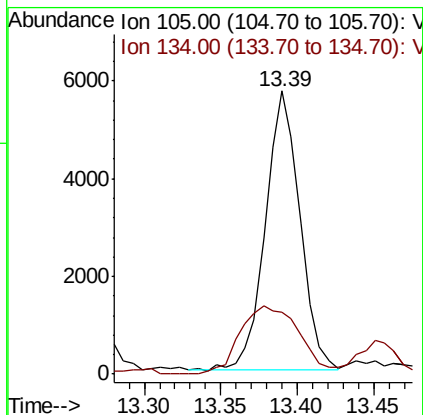
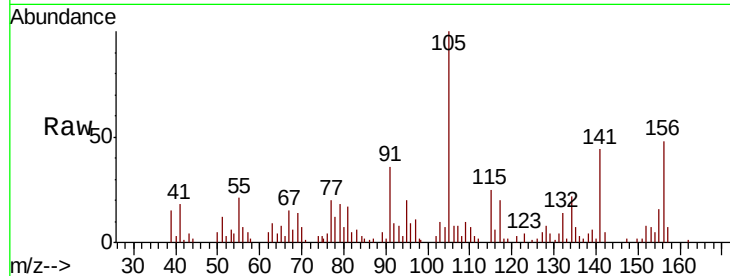




#85
 sec-Butylbenzene
 Concen: 6.882 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004327.D
 Acq: 29 Jul 2018 21:15

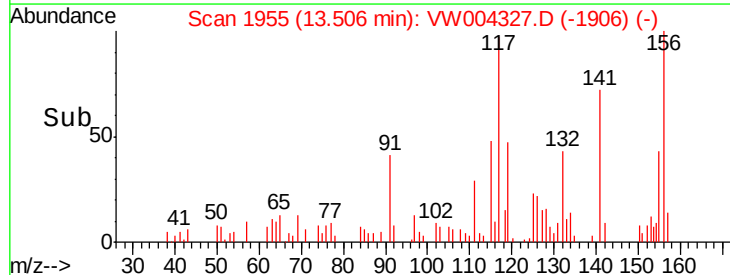
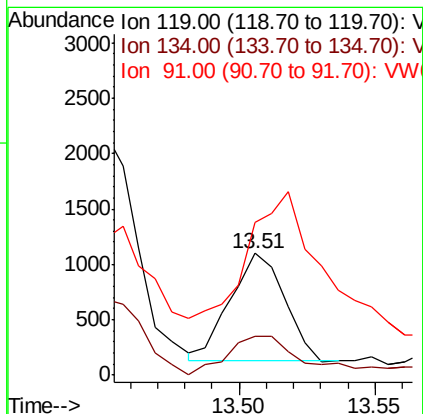
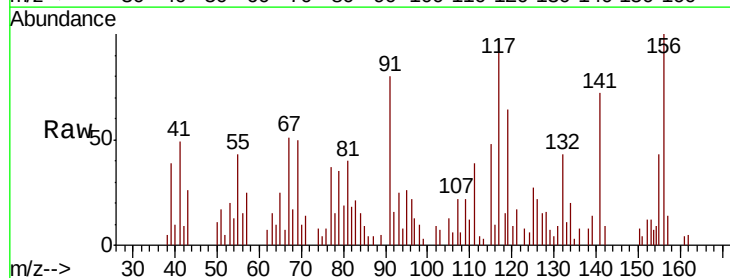
Instrument :
 MSVOA_W
 ClientSampleId :

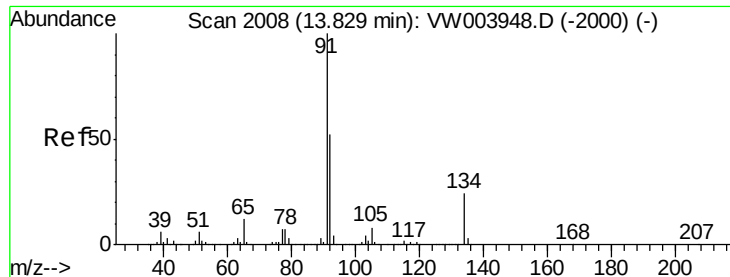
Tot Ion:105 Resp: 9015
 Ion Ratio Lower Upper
 105 100
 134 41.1 9.6 28.8#



#86
 p-Isopropyltoluene
 Concen: 1.141 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004327.D
 Acq: 29 Jul 2018 21:15

Tgt Ion:119 Resp: 1342
 Ion Ratio Lower Upper
 119 100
 134 52.3 12.6 37.8#
 91 187.5 11.3 33.9#





#89

n-Butylbenzene

Concen: 12.448 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. -0.01 min

Lab File: VW004327.D

Acq: 29 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampled :

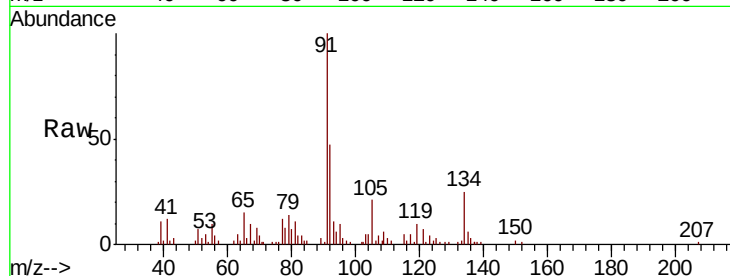
Tot Ion: 91 Resp: 13676

Ion Ratio Lower Upper

91 100

92 44.9 26.4 79.2

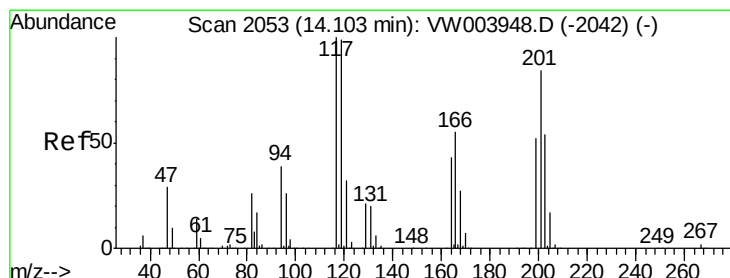
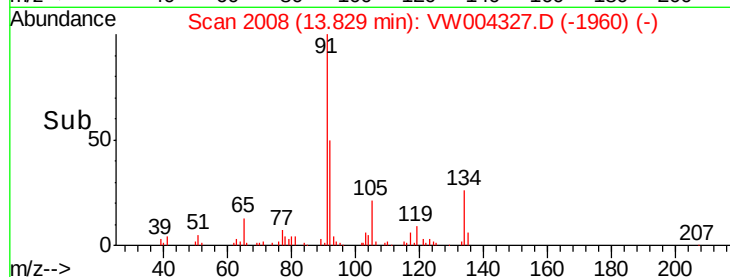
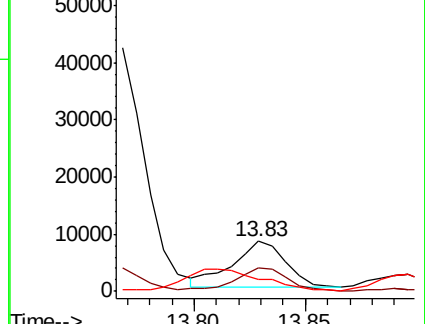
134 0.0 12.9 38.6#



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): VW



#90

Hexachloroethane

Concen: 24.471 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.01 min

Lab File: VW004327.D

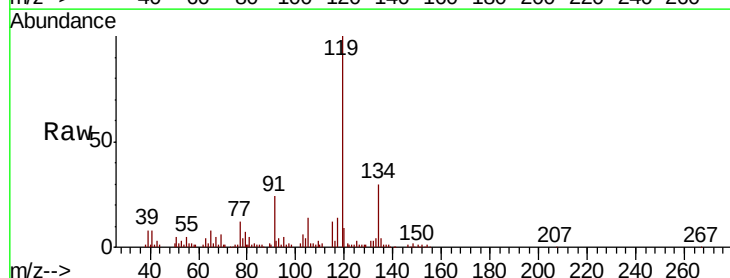
Acq: 29 Jul 2018 21:15

Tgt Ion: 117 Resp: 5135

Ion Ratio Lower Upper

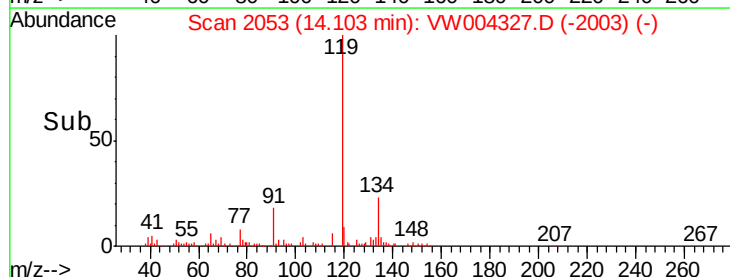
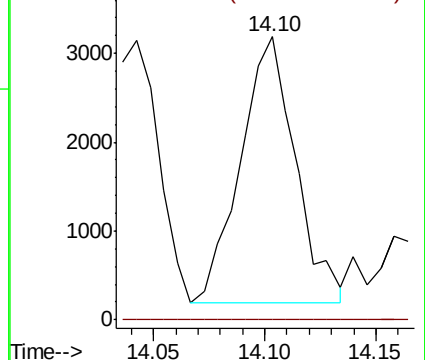
117 100

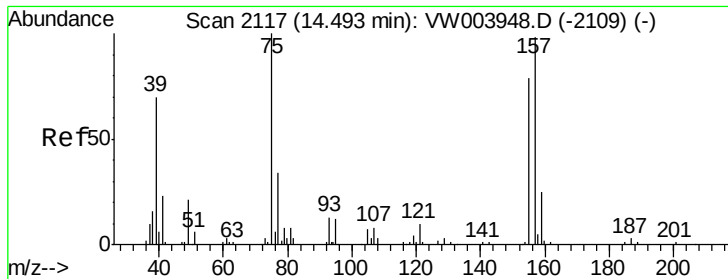
201 0.0 41.5 124.5#



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: 14.603 ug/l

RT: 14.52 min Scan# 2121

Delta R.T. 0.02 min

Lab File: VW004327.D

Acq: 29 Jul 2018 21:15

Instrument :

MSVOA_W

ClientSampleId :

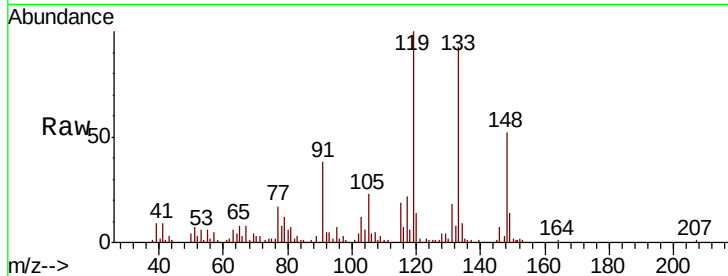
Tot Ion: 75 Resp: 558

Ion Ratio Lower Upper

75 100

155 0.0 41.4 124.4#

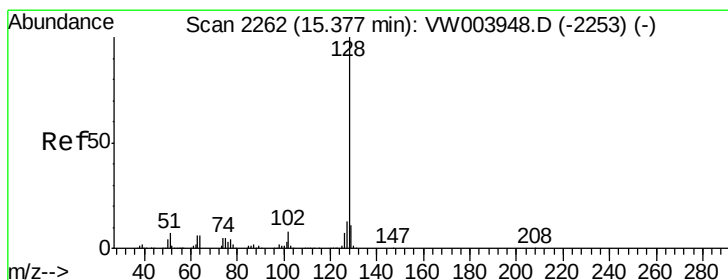
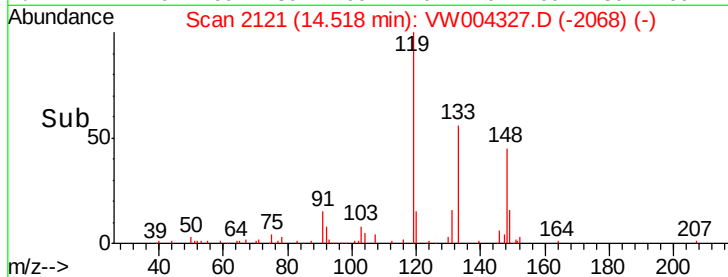
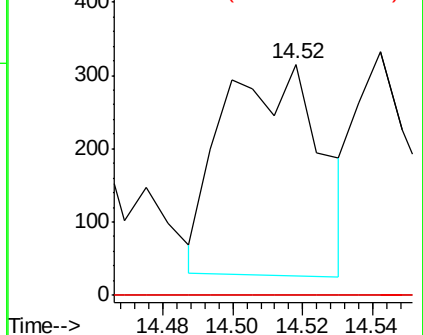
157 0.0 55.2 165.6#



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: 281.545 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004327.D

Acq: 29 Jul 2018 21:15

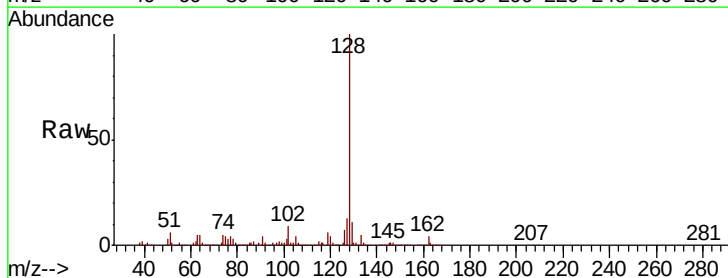
Tgt Ion:128 Resp: 183976

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 11.7 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

