

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV110318\
 Data File : VW006585.D
 Acq On : 02 Nov 2018 04:10
 Operator : SY/AP
 Sample : J5728-01RE
 Misc : 5.08G/5ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EG-DRUMRE

Quant Time: Nov 02 07:59:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	21440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	42018	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	14752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	1643	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	26623	144.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.92%	
35) Dibromofluoromethane	7.89	113	25061	95.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.08%	
50) Toluene-d8	10.33	98	23995	23.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.80%	
62) 4-Bromofluorobenzene	12.62	95	2051	5.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.28%	

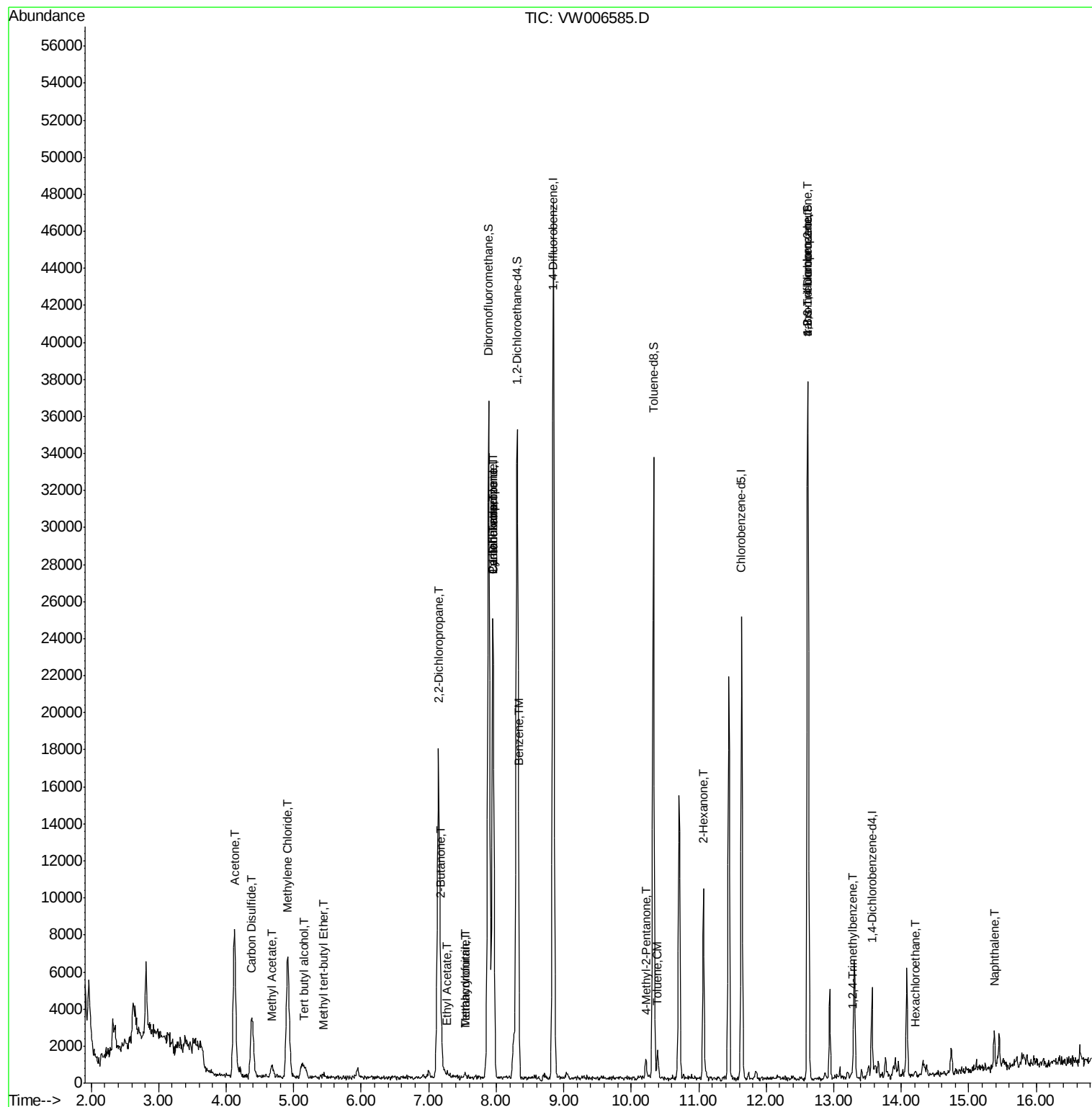
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.15	59	994	100.103	ug/l #	84
16) Acetone	4.12	43	13993	470.279	ug/l	97
17) Carbon Disulfide	4.38	76	5841	11.737	ug/l	99
18) Methyl Acetate	4.67	43	1350	15.778	ug/l #	81
19) Methyl tert-butyl Ether	5.44	73	473	1.817	ug/l #	55
20) Methylene Chloride	4.91	84	5465	25.403	ug/l #	83
25) 2-Butanone	7.18	43	3056	71.976	ug/l #	89
26) 2,2-Dichloropropane	7.15	77	1255	6.459	ug/l #	49
29) Tetrahydrofuran	7.54	42	29	1.086	ug/l #	29
31) Cyclohexane	7.96	56	417	1.421	ug/l #	47
36) 1,1-Dichloropropene	7.95	75	1495	4.046	ug/l #	42
37) Ethyl Acetate	7.28	43	162	1.265	ug/l #	66
38) Carbon Tetrachloride	7.95	117	1815	4.701	ug/l #	12
40) Benzene	8.34	78	2803	2.671	ug/l #	89
41) Methacrylonitrile	7.53	41	126	1.605	ug/l #	36
51) 4-Methyl-2-Pentanone	10.21	43	797	6.073	ug/l #	84
52) Toluene	10.39	92	798	1.134	ug/l	92
59) 2-Hexanone	11.07	43	133	1.492	ug/l #	22
76) 1,2,3-Trichloropropane	12.62	75	1275	99.461	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	1275	246.528	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.28	105	253	2.713	ug/l #	30
90) Hexachloroethane	14.21	117	26	1.531	ug/l #	3
95) Naphthalene	15.38	128	2106	35.499	ug/l #	96

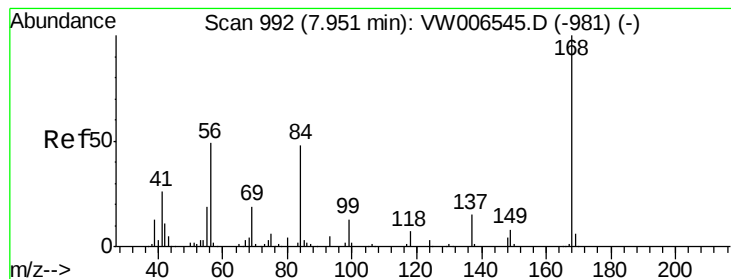
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 02 07:59:45 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 01 03:48:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006585.D

Acq: 02 Nov 2018 04:10

Instrument :

MSVOA_W

ClientSampled :

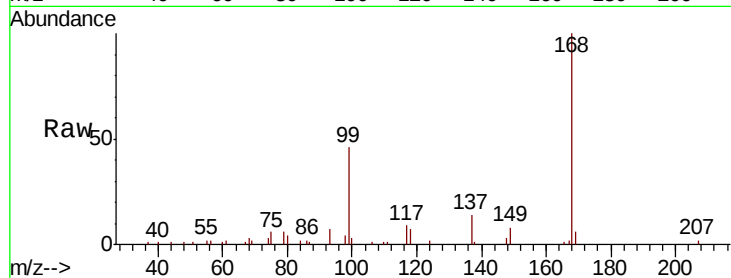
EG-DRUMRE

Tgt Ion:168 Resp: 21440

Ion Ratio Lower Upper

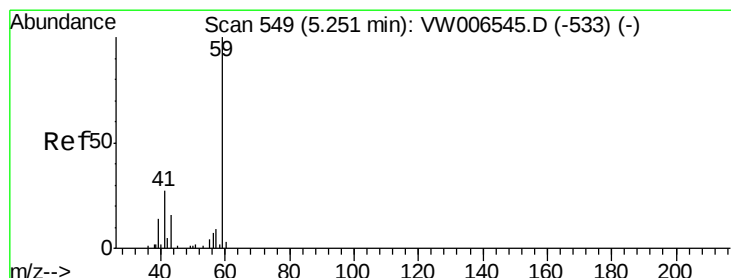
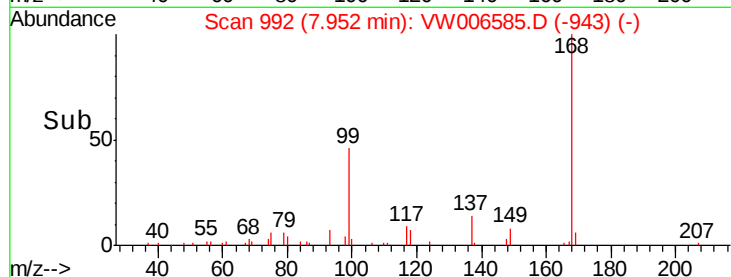
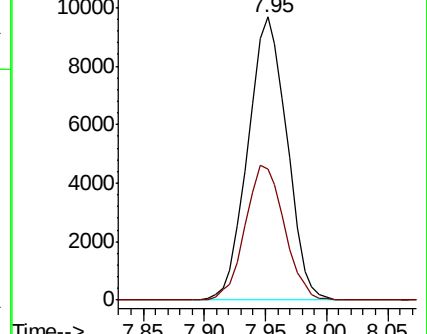
168 100

99 46.5 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 100.103 ug/l

RT: 5.15 min Scan# 532

Delta R.T. -0.10 min

Lab File: VW006585.D

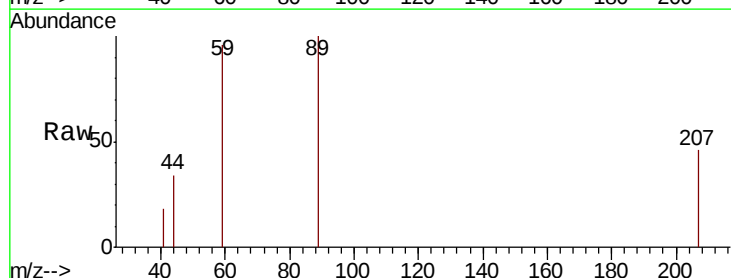
Acq: 02 Nov 2018 04:10

Tgt Ion: 59 Resp: 994

Ion Ratio Lower Upper

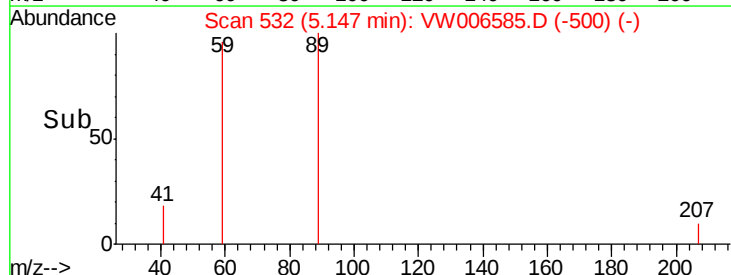
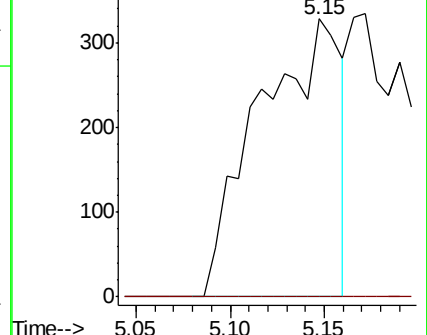
59 100

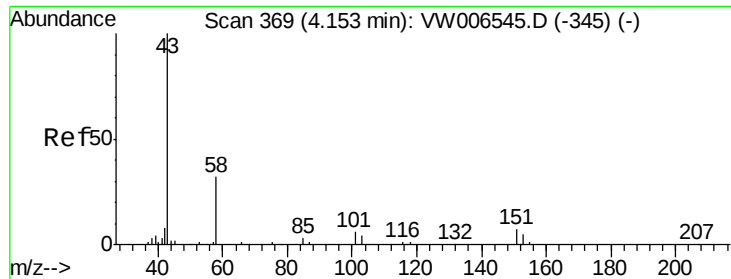
57 0.0 4.3 6.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 470.279 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.03 min

Lab File: VW006585.D

Acq: 02 Nov 2018 04:10

Instrument :

MSVOA_W

ClientSampleId :

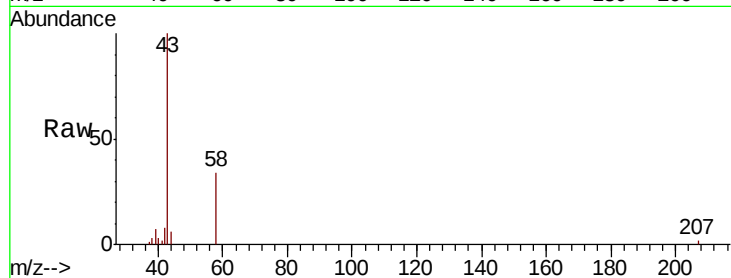
EG-DRUMRE

Tgt Ion: 43 Resp: 13993

Ion Ratio Lower Upper

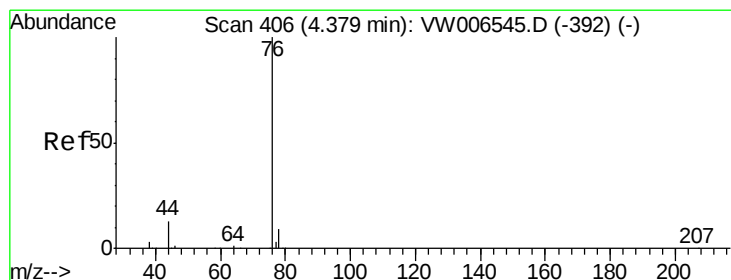
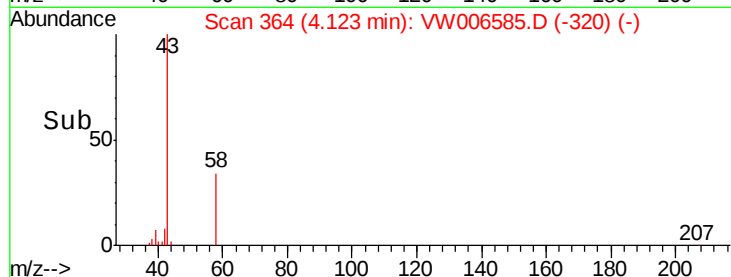
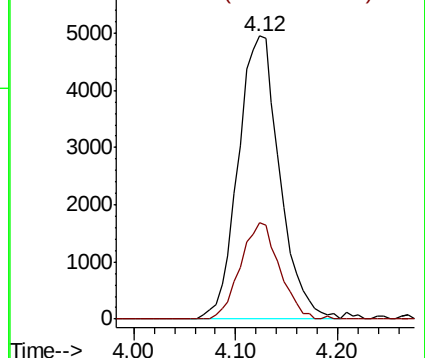
43 100

58 34.1 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 11.737 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006585.D

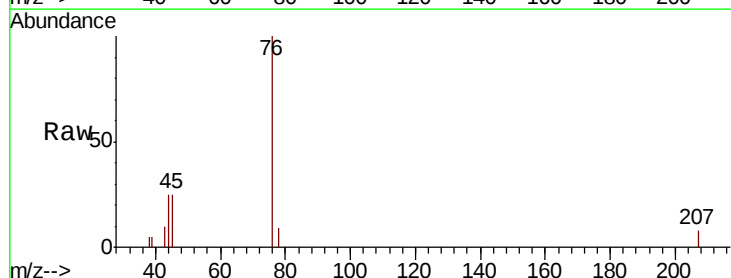
Acq: 02 Nov 2018 04:10

Tgt Ion: 76 Resp: 5841

Ion Ratio Lower Upper

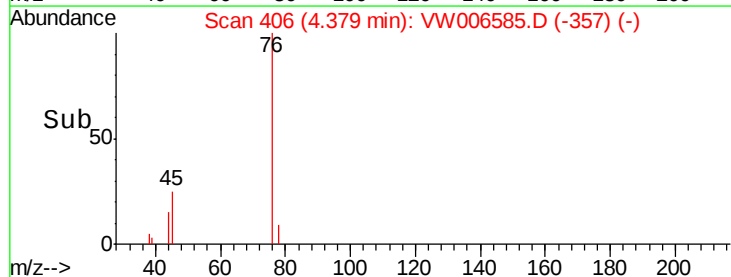
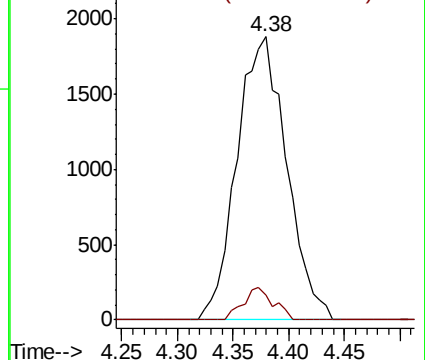
76 100

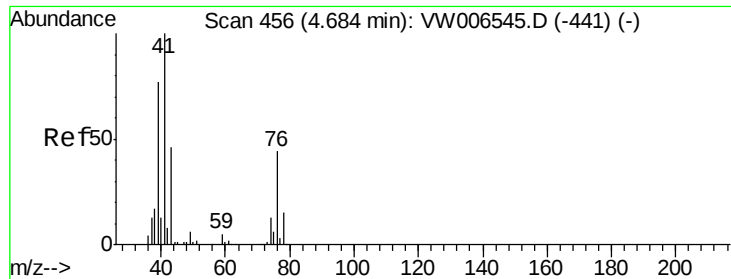
78 8.9 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

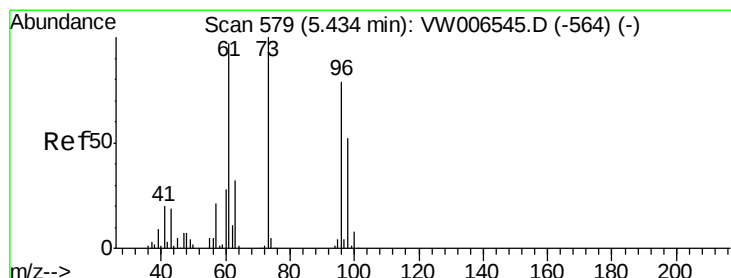
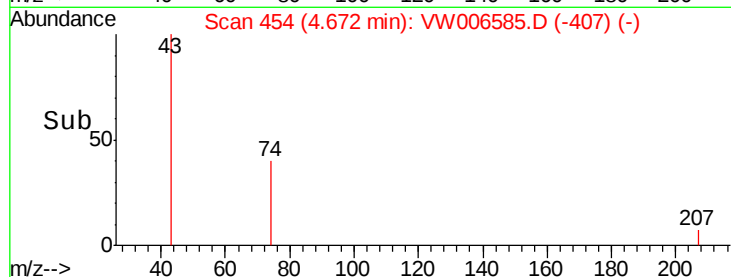
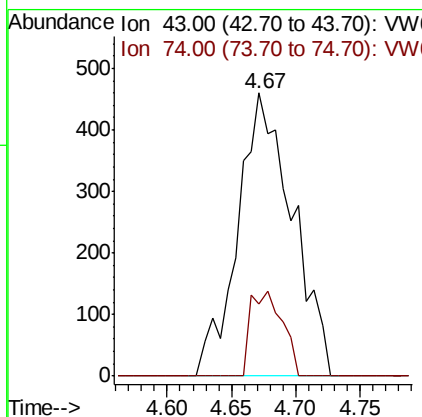
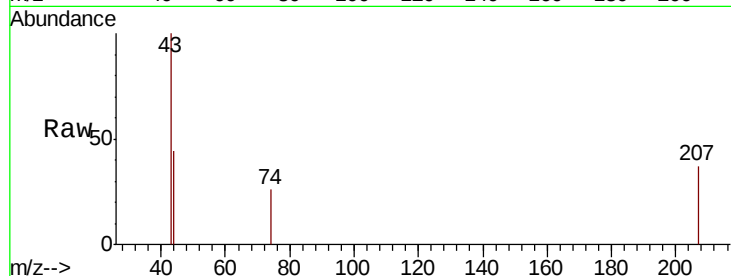




#18
Methyl Acetate
Concen: 15.778 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW006585.D
Acq: 02 Nov 2018 04:10

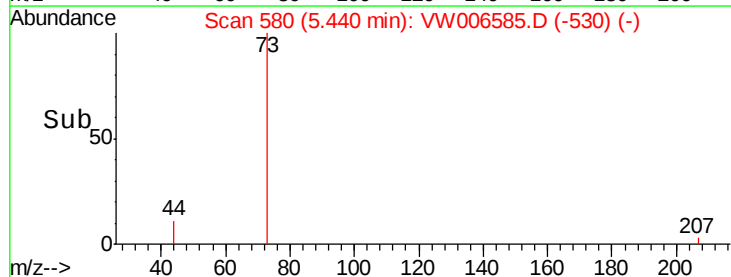
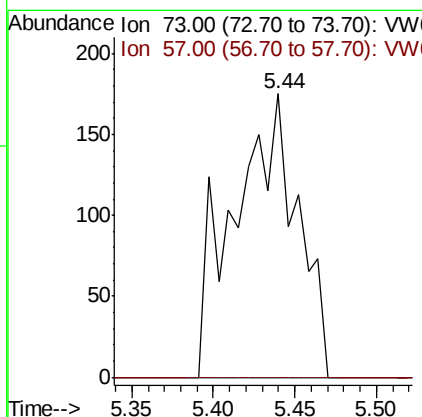
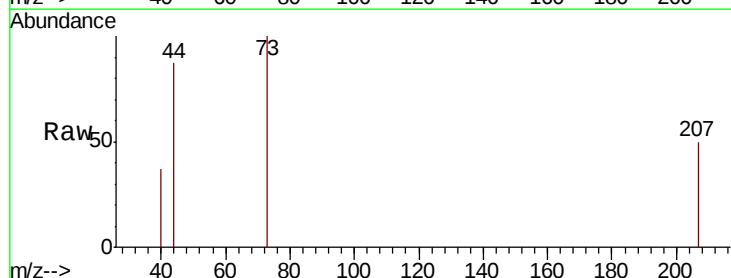
Instrument :
MSVOA_W
ClientSampled :
EG-DRUMRE

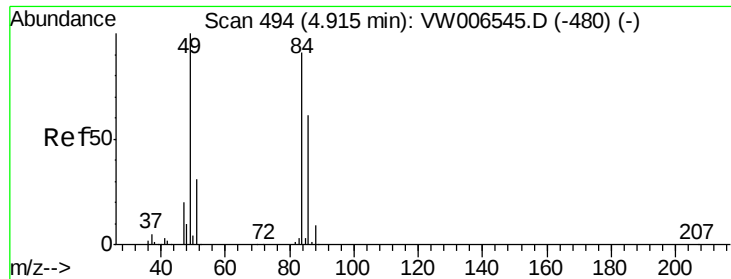
Tgt Ion: 43 Resp: 1350
Ion Ratio Lower Upper
43 100
74 17.3 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 1.817 ug/l
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW006585.D
Acq: 02 Nov 2018 04:10

Tgt Ion: 73 Resp: 473
Ion Ratio Lower Upper
73 100
57 0.0 16.7 25.1#

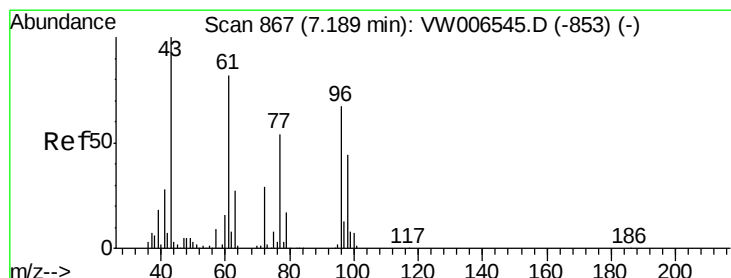
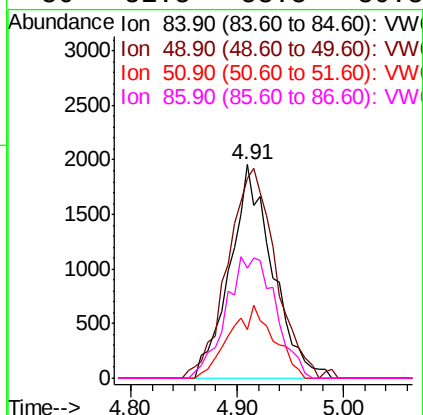
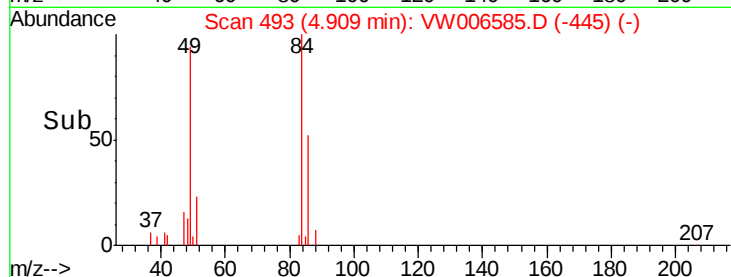
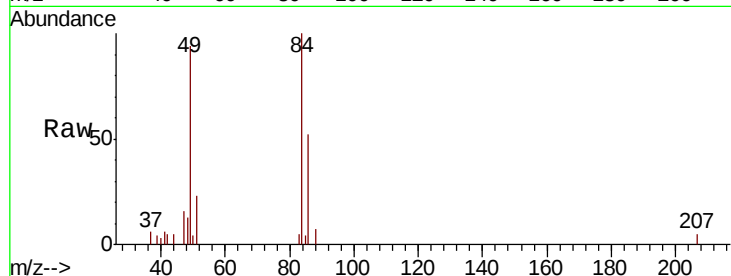




#20
Methylene Chloride
Concen: 25.403 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006585.D
Acq: 02 Nov 2018 04:10

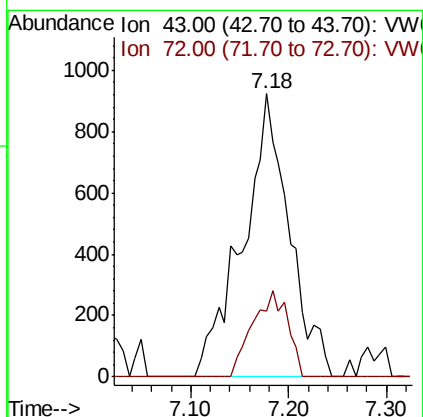
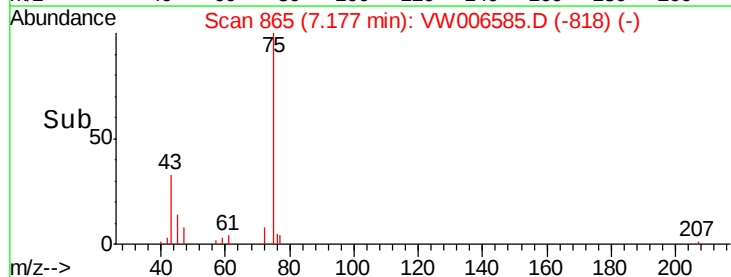
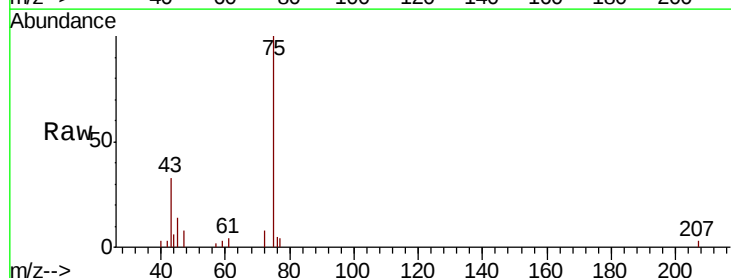
Instrument :
MSVOA_W
ClientSampleId :
EG-DRUMRE

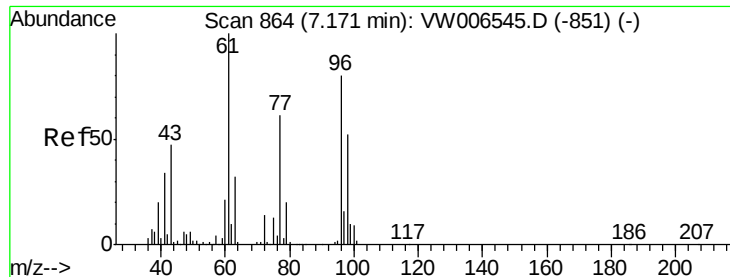
Tgt Ion: 84 Resp: 5465
Ion Ratio Lower Upper
84 100
49 93.7 88.2 132.4
51 22.8 27.0 40.6#
86 51.8 53.8 80.8#



#25
2-Butanone
Concen: 71.976 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.01 min
Lab File: VW006585.D
Acq: 02 Nov 2018 04:10

Tgt Ion: 43 Resp: 3056
Ion Ratio Lower Upper
43 100
72 23.2 23.2 34.8#

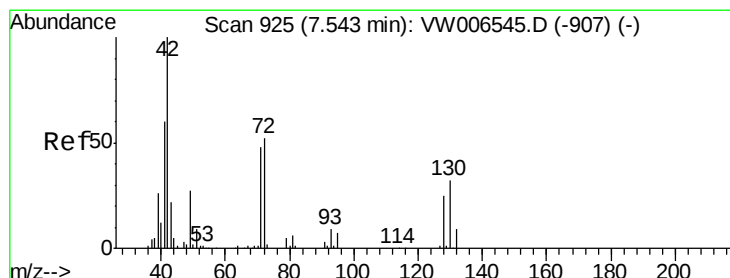
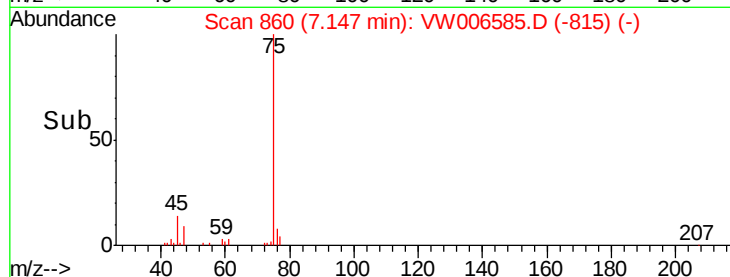
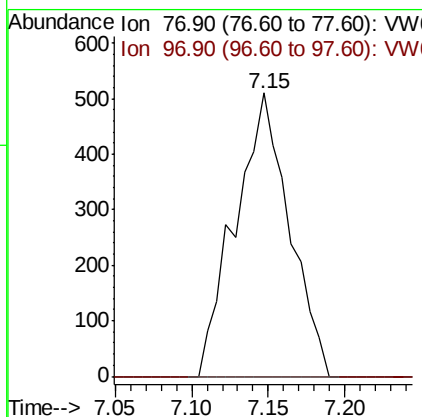
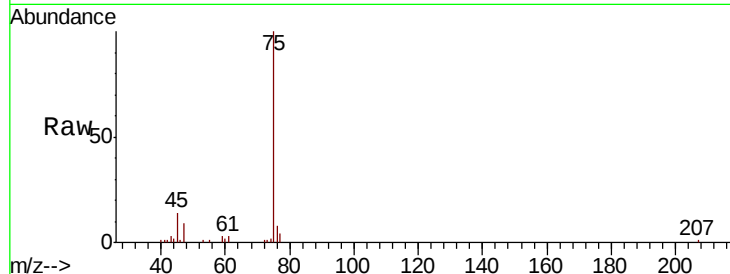




#26
 2,2-Dichloropropane
 Concen: 6.459 ug/l
 RT: 7.15 min Scan# 860
 Delta R.T. -0.02 min
 Lab File: VW006585.D
 Acq: 02 Nov 2018 04:10

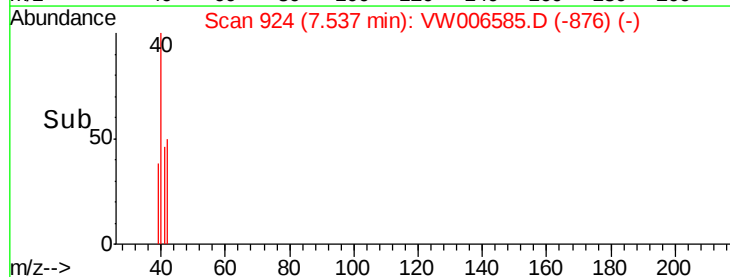
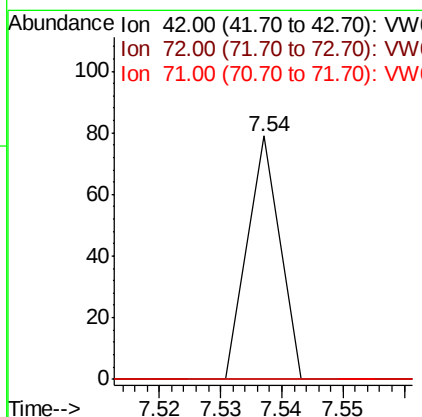
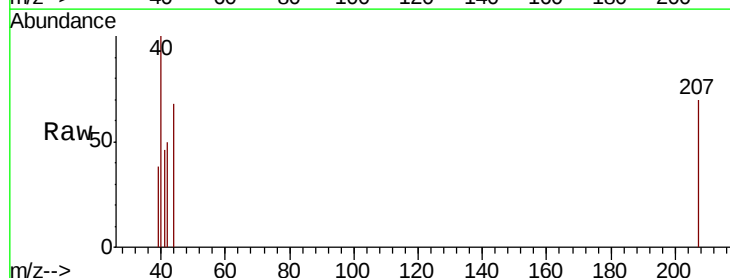
Instrument :
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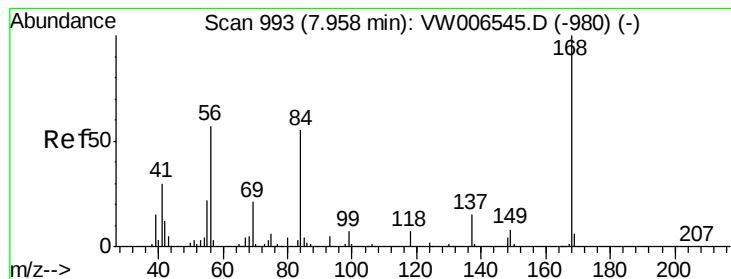
Tgt Ion: 77 Resp: 1255
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.8 38.4#



#29
 Tetrahydrofuran
 Concen: 1.086 ug/l
 RT: 7.54 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: VW006585.D
 Acq: 02 Nov 2018 04:10

Tgt Ion: 42 Resp: 29
 Ion Ratio Lower Upper
 42 100
 72 0.0 39.2 58.8#
 71 0.0 37.6 56.4#





#31

Cyclohexane

Concen: 1.421 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006585.D

Acq: 02 Nov 2018 04:10

Instrument :

MSVOA_W

ClientSampleId :

EG-DRUMRE

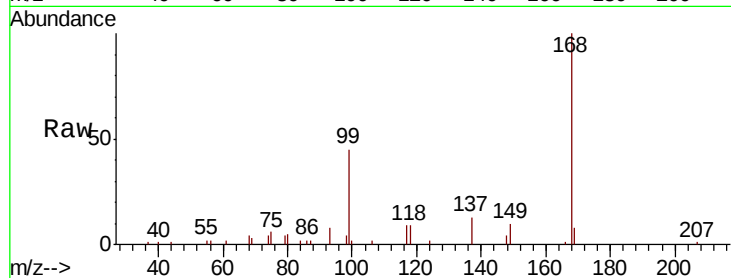
Tgt Ion: 56 Resp: 417

Ion Ratio Lower Upper

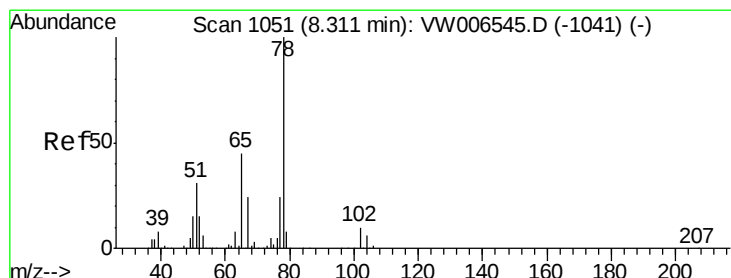
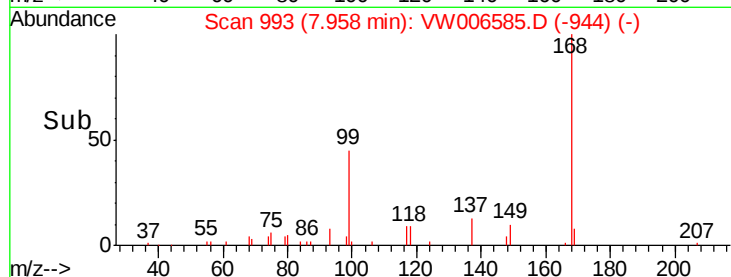
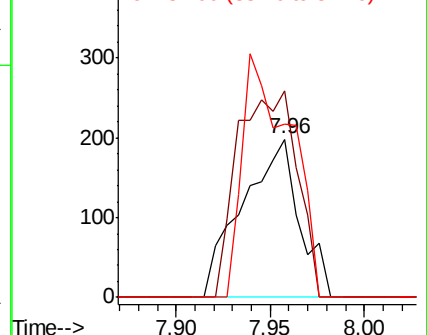
56 100

69 130.8 29.0 43.4#

84 109.6 77.8 116.6



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: 144.457 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW006585.D

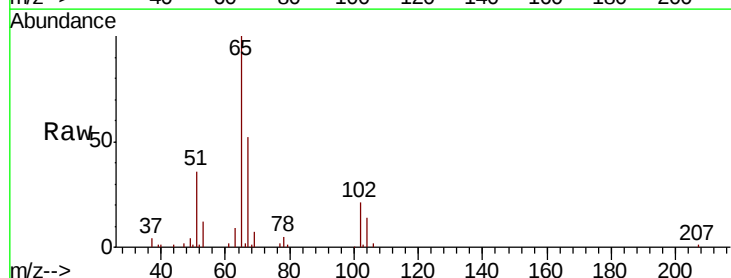
Acq: 02 Nov 2018 04:10

Tgt Ion: 65 Resp: 26623

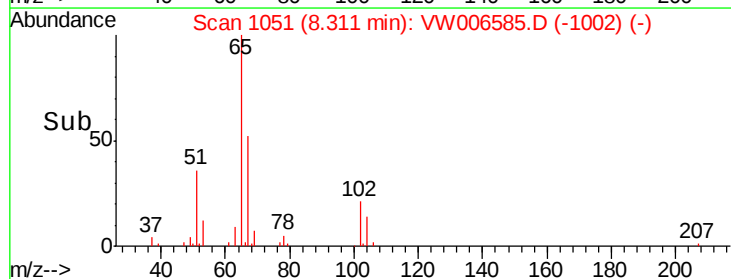
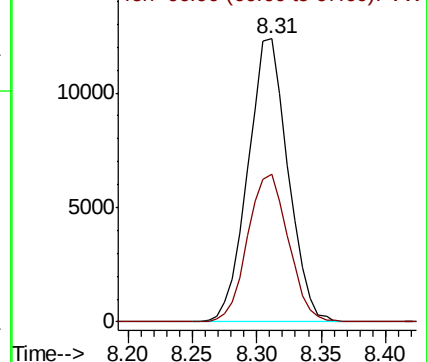
Ion Ratio Lower Upper

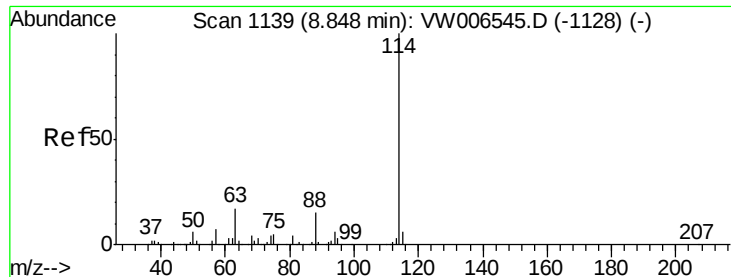
65 100

67 52.9 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006585.D

Acq: 02 Nov 2018 04:10

Instrument :

MSVOA_W

ClientSampled :

EG-DRUMRE

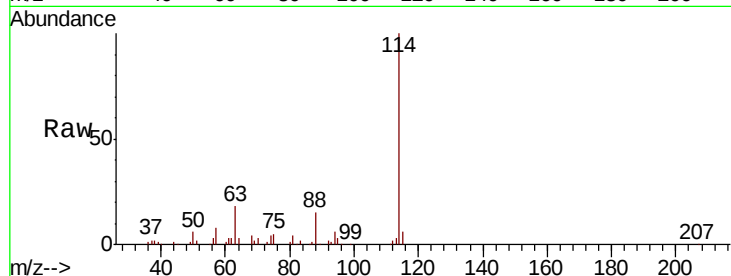
Tgt Ion:114 Resp: 42018

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.4

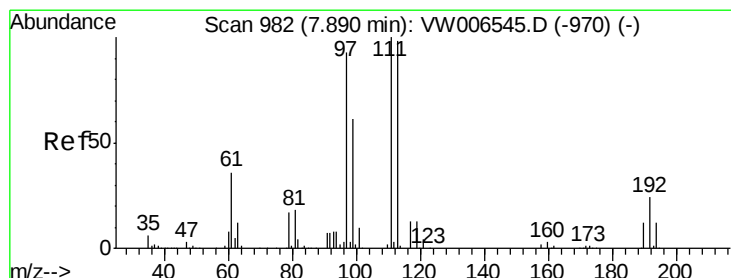
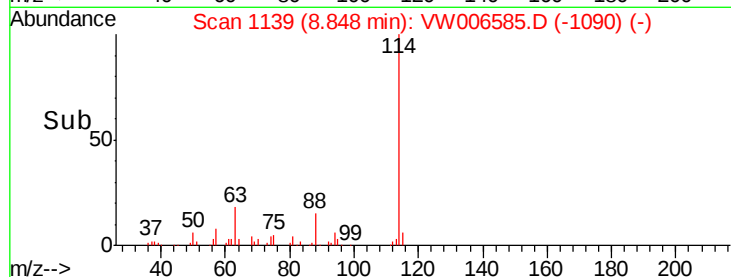
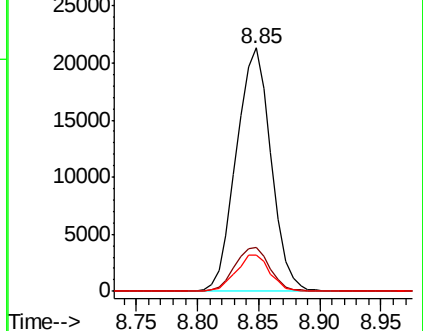
88 14.9 0.0 29.0



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: 95.037 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW006585.D

Acq: 02 Nov 2018 04:10

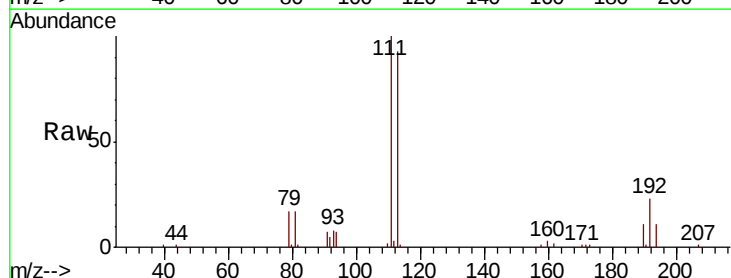
Tgt Ion:113 Resp: 25061

Ion Ratio Lower Upper

113 100

111 105.3 82.2 123.2

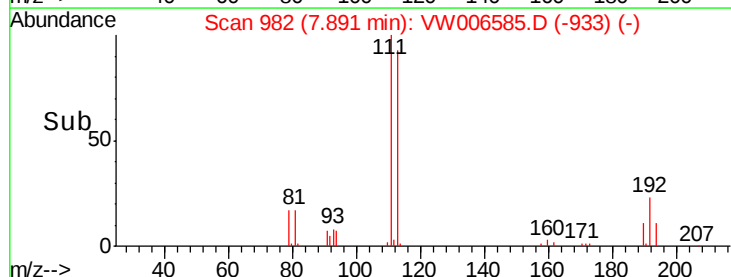
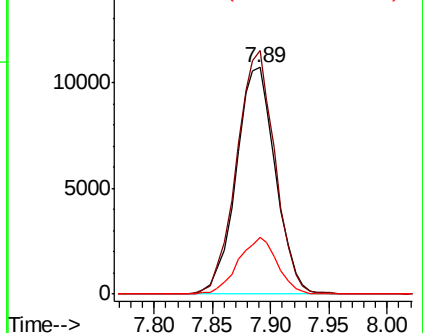
192 24.8 19.0 28.6

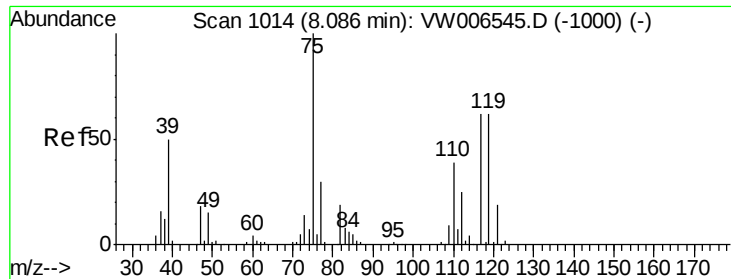


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

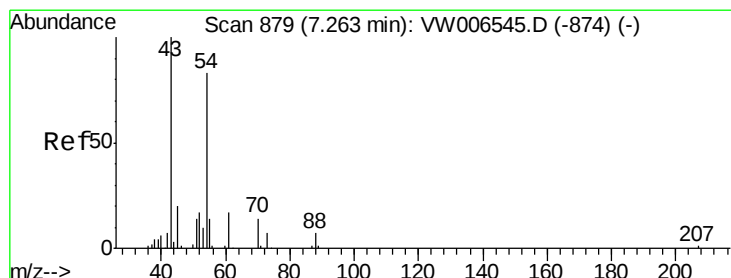
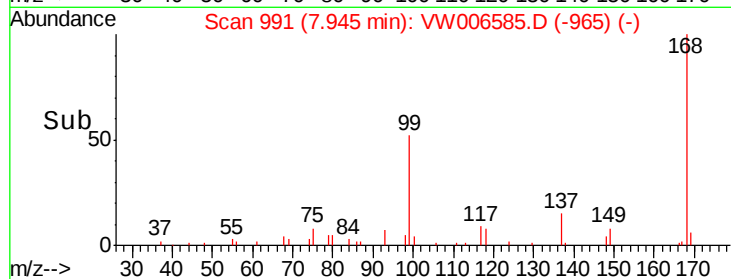
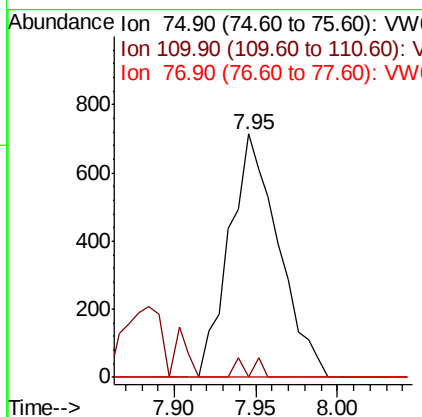
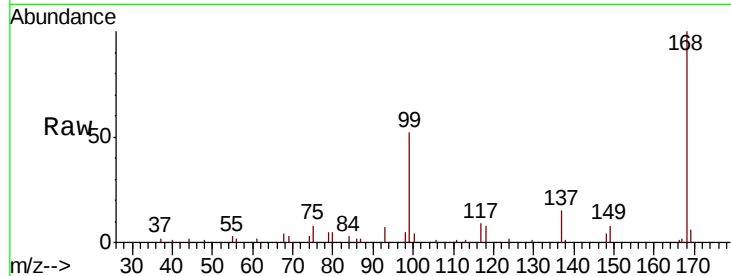




#36
 1,1-Dichloropropene
 Concen: 4.046 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW006585.D
 Acq: 02 Nov 2018 04:10

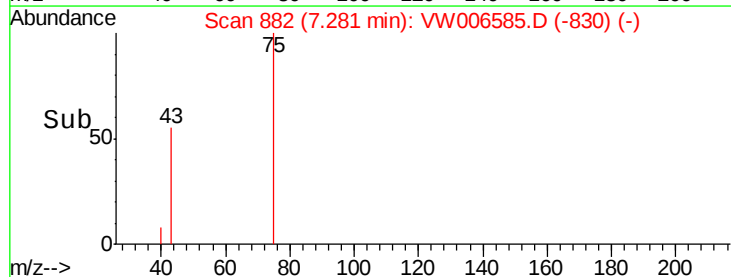
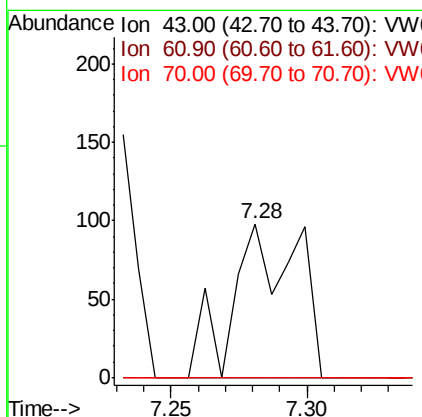
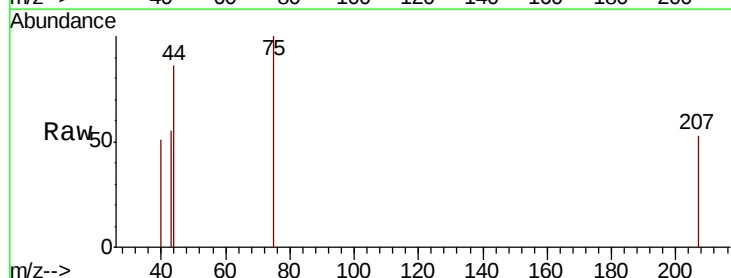
Instrument :
 MSVOA_W
 ClientSampleId :
 EG-DRUMRE

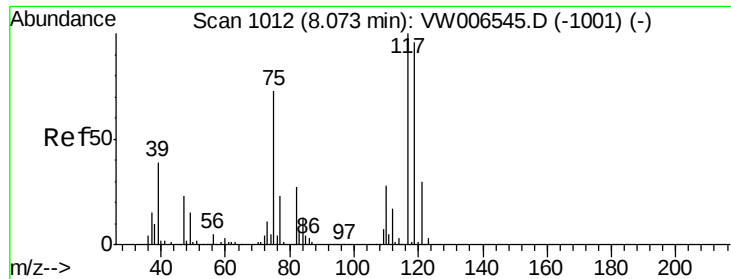
Tgt Ion: 75 Resp: 1495
 Ion Ratio Lower Upper
 75 100
 110 2.8 19.5 58.5#
 77 0.0 24.6 37.0#



#37
 Ethyl Acetate
 Concen: 1.265 ug/l
 RT: 7.28 min Scan# 882
 Delta R.T. 0.02 min
 Lab File: VW006585.D
 Acq: 02 Nov 2018 04:10

Tgt Ion: 43 Resp: 162
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.1 18.1#
 70 0.0 9.8 14.6#

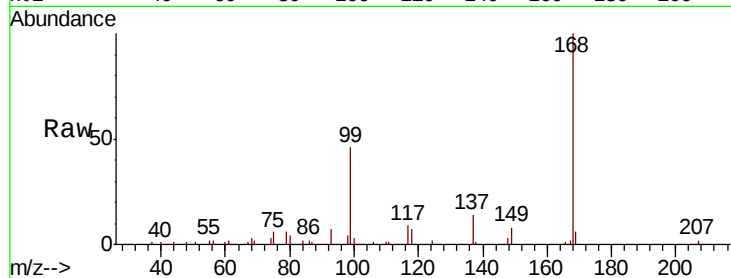




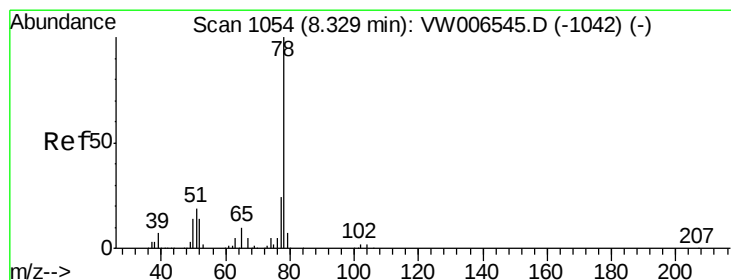
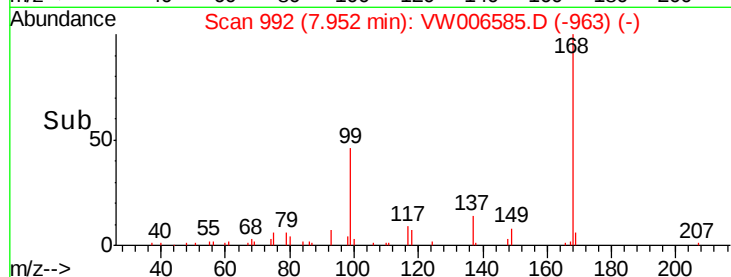
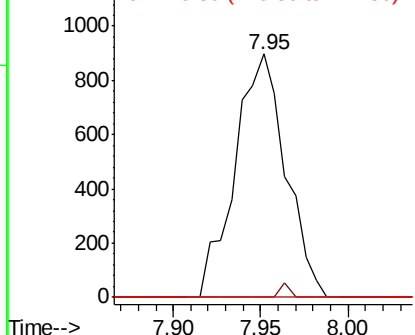
#38
Carbon Tetrachloride
Concen: 4.701 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006585.D
Acq: 02 Nov 2018 04:10

Instrument :
MSVOA_W
ClientSampleId :
EG-DRUMRE

Tgt Ion:117 Resp: 1815
Ion Ratio Lower Upper
117 100
119 0.0 76.3 114.5#
121 0.0 24.1 36.1#

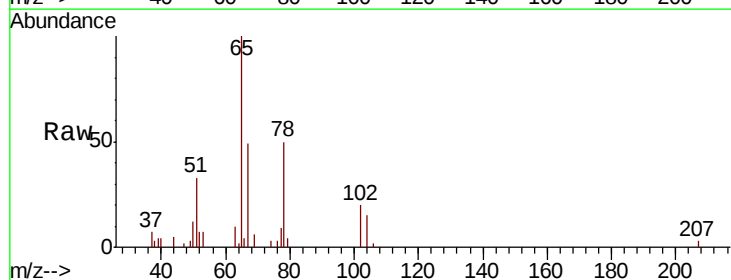


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

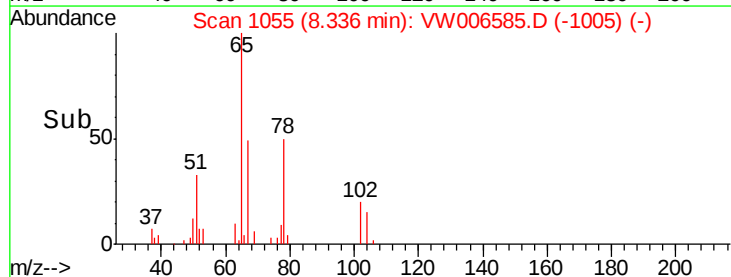
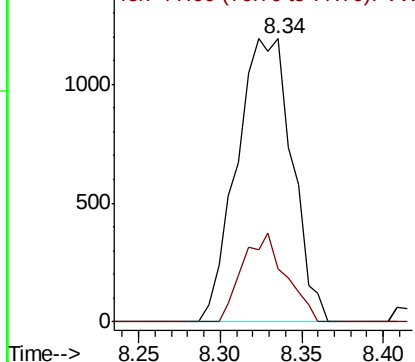


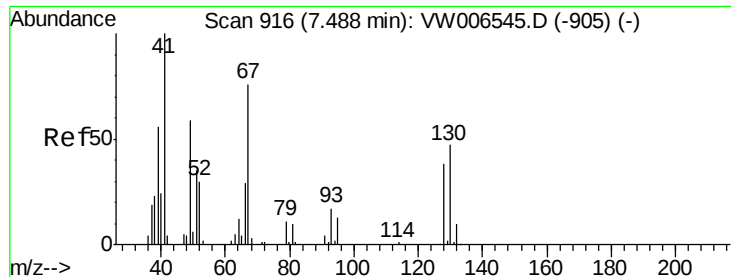
#40
Benzene
Concen: 2.671 ug/l
RT: 8.34 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VW006585.D
Acq: 02 Nov 2018 04:10

Tgt Ion: 78 Resp: 2803
Ion Ratio Lower Upper
78 100
77 18.6 19.2 28.8#



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

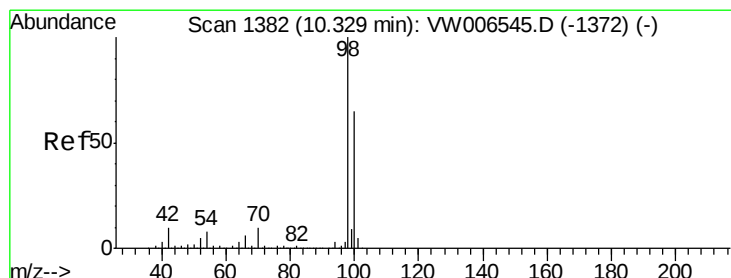
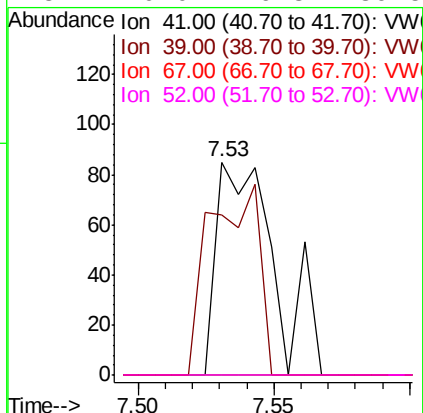
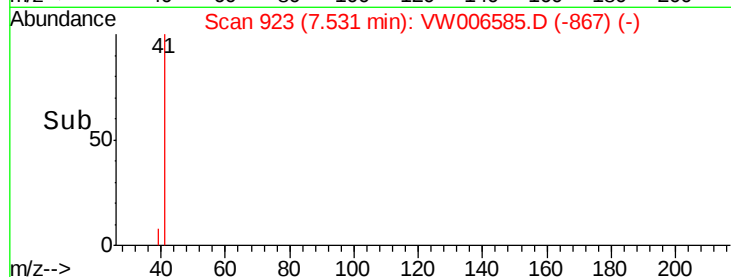
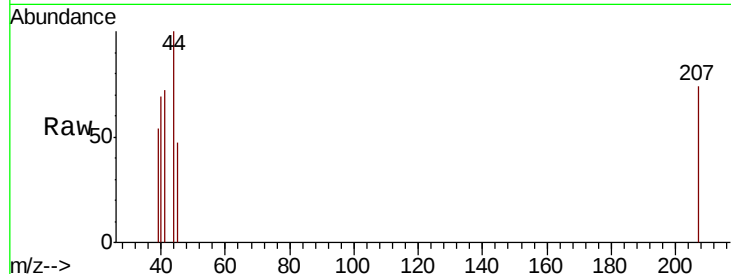




#41
Methacrylonitrile
Concen: 1.605 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.04 min
Lab File: VW006585.D
Acq: 02 Nov 2018 04:10

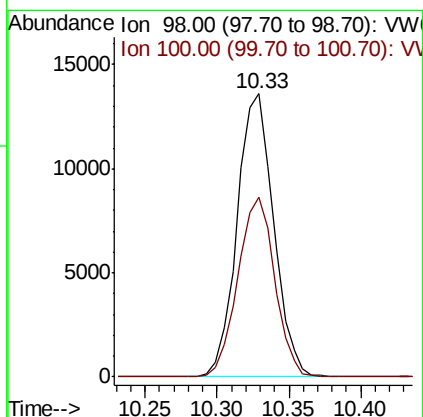
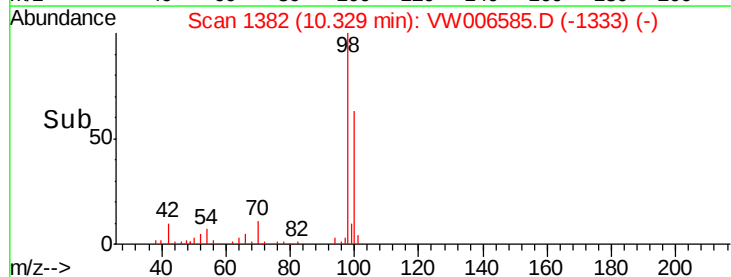
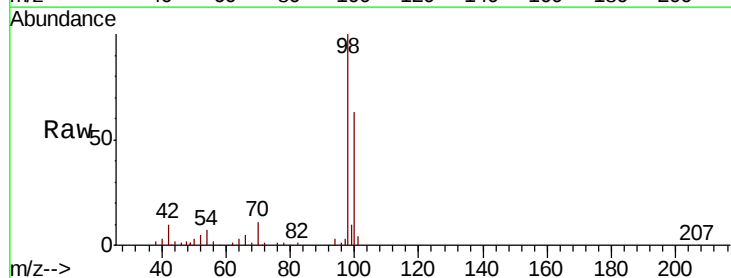
Instrument :
MSVOA_W
ClientSampleId :
EG-DRUMRE

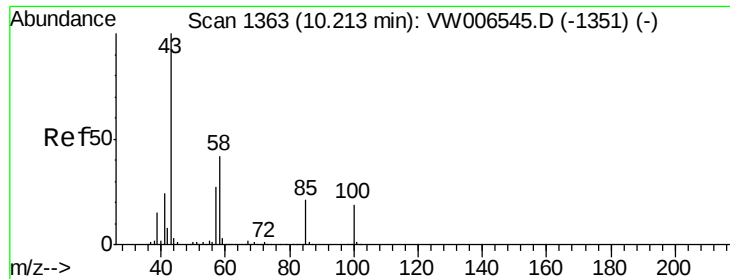
Tgt Ion:	41	Resp:	126
Ion	Ratio	Lower	Upper
41	100		
39	77.0	44.5	66.7#
67	0.0	63.8	95.8#
52	0.0	26.3	39.5#



#50
Toluene-d8
Concen: 23.903 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006585.D
Acq: 02 Nov 2018 04:10

Tgt Ion:	98	Resp:	23995
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.6	77.4

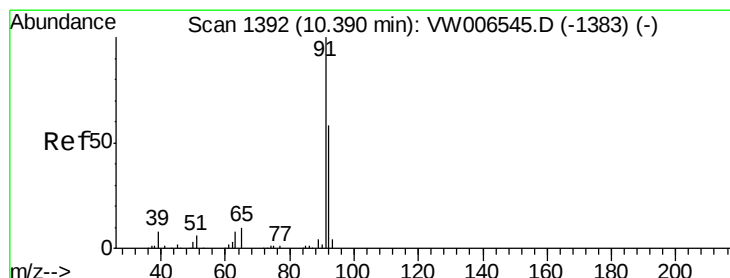
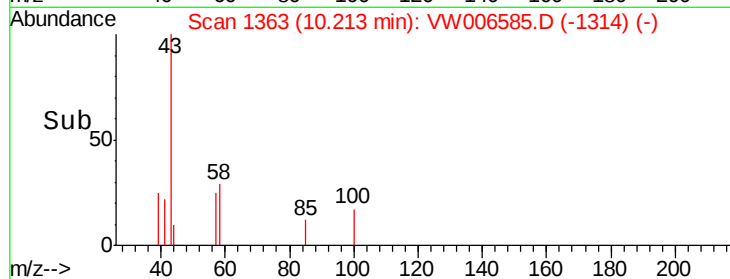
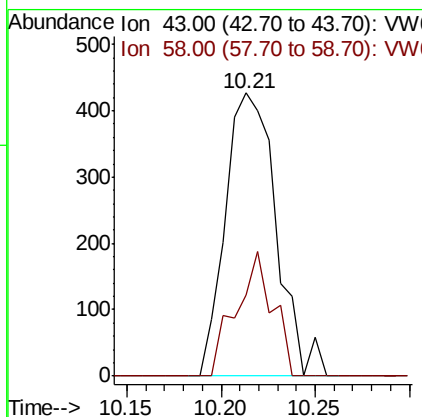
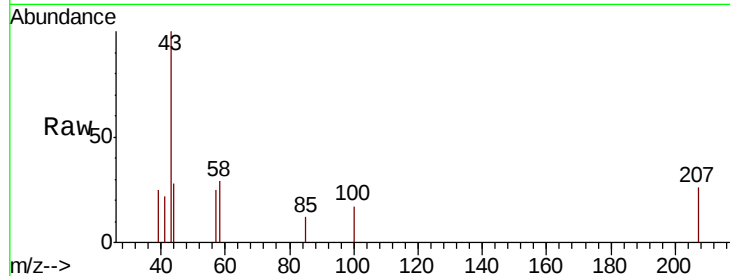




#51
4-Methyl-2-Pentanone
Concen: 6.073 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW006585.D
Acq: 02 Nov 2018 04:10

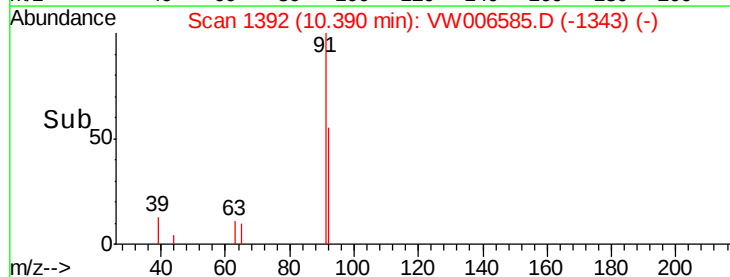
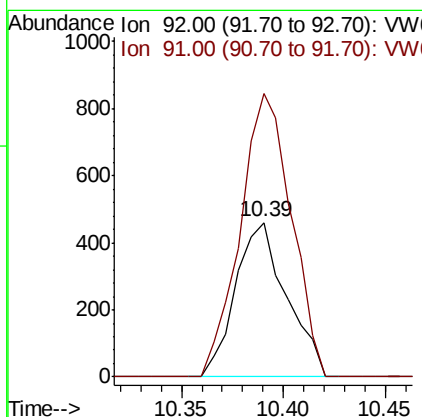
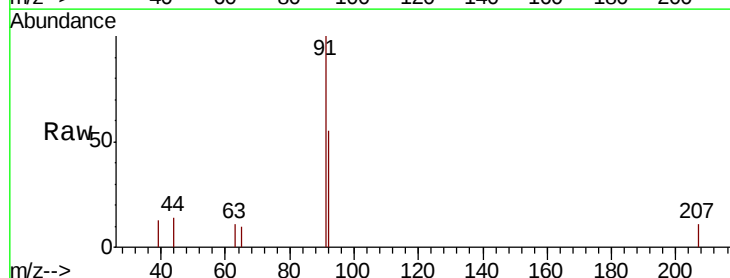
Instrument :
MSVOA_W
ClientSampleId :
EG-DRUMRE

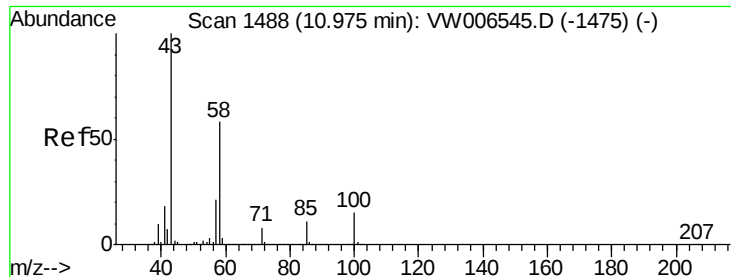
Tgt Ion: 43 Resp: 797
Ion Ratio Lower Upper
43 100
58 31.6 33.4 50.0#



#52
Toluene
Concen: 1.134 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW006585.D
Acq: 02 Nov 2018 04:10

Tgt Ion: 92 Resp: 798
Ion Ratio Lower Upper
92 100
91 184.7 138.6 208.0





#59

2-Hexanone

Concen: 1.492 ug/l

RT: 11.07 min Scan# 1504

Delta R.T. 0.10 min

Lab File: VW006585.D

Acq: 02 Nov 2018 04:10

Instrument :

MSVOA_W

ClientSampled :

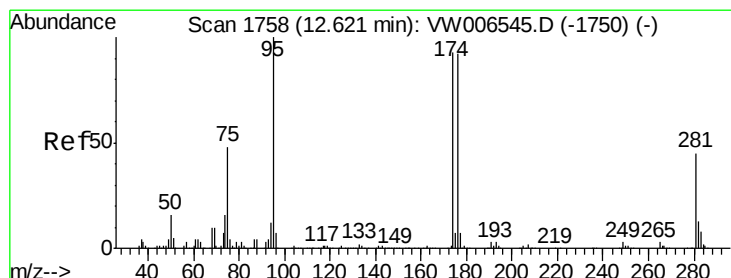
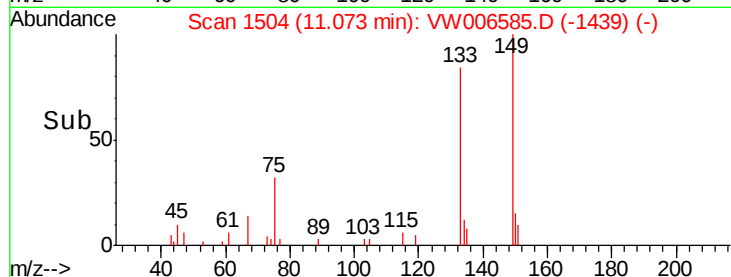
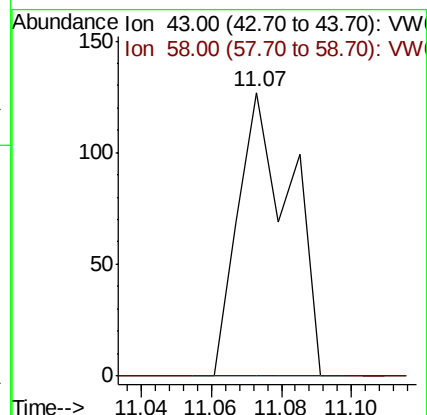
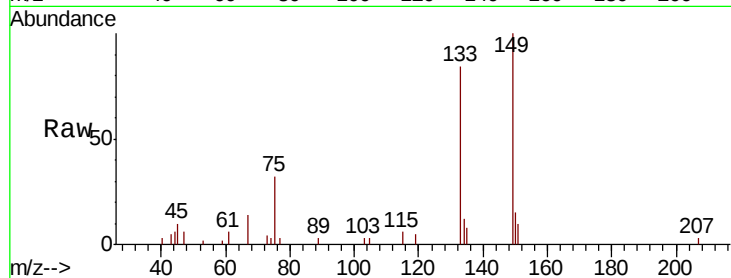
EG-DRUMRE

Tgt Ion: 43 Resp: 133

Ion Ratio Lower Upper

43 100

58 0.0 28.8 86.4#



#62

4-Bromofluorobenzene

Concen: 5.636 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006585.D

Acq: 02 Nov 2018 04:10

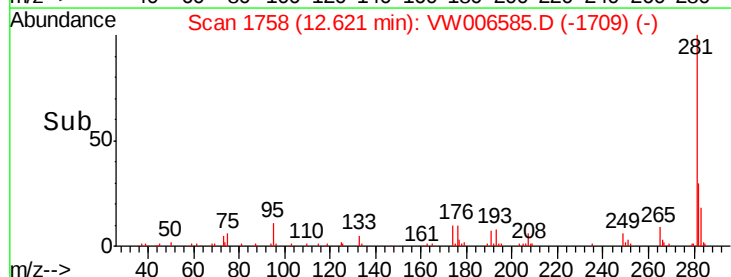
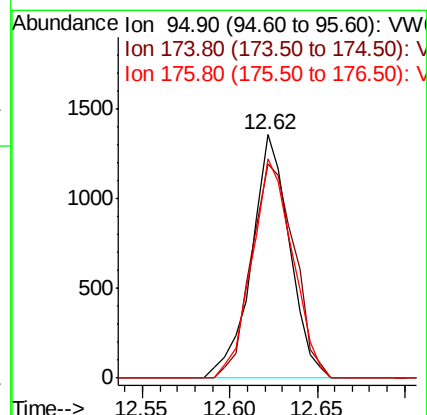
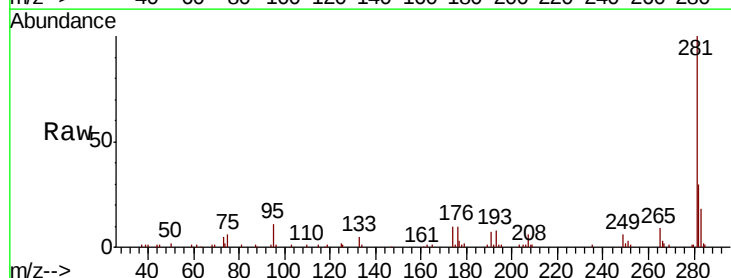
Tgt Ion: 95 Resp: 2051

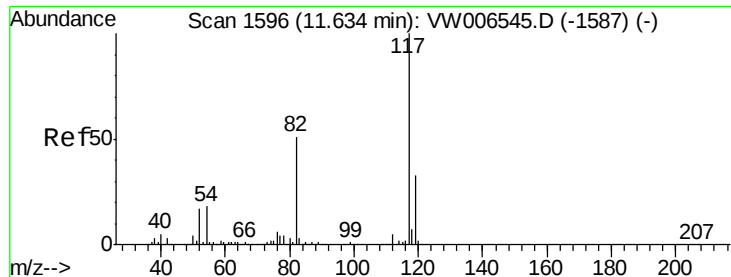
Ion Ratio Lower Upper

95 100

174 99.6 0.0 192.4

176 96.4 0.0 187.4

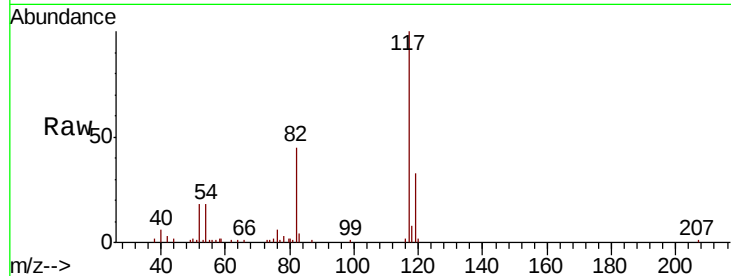




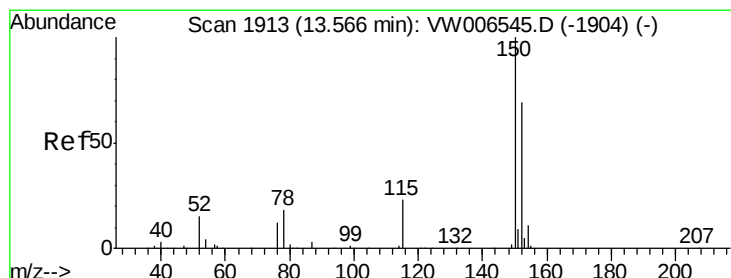
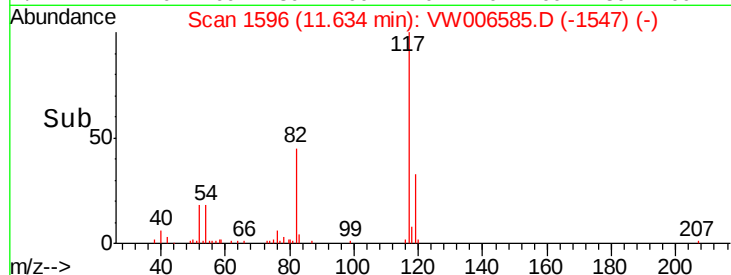
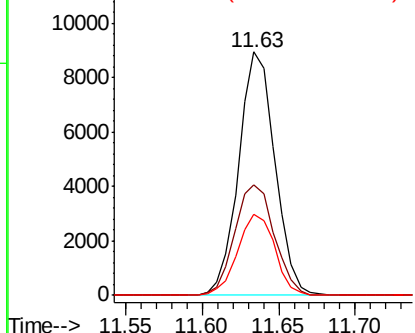
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006585.D
Acq: 02 Nov 2018 04:10

Instrument :
MSVOA_W
ClientSampleId :
EG-DRUMRE

Tgt Ion:117 Resp: 14752
Ion Ratio Lower Upper
117 100
82 45.3 40.8 61.2
119 33.2 26.1 39.1

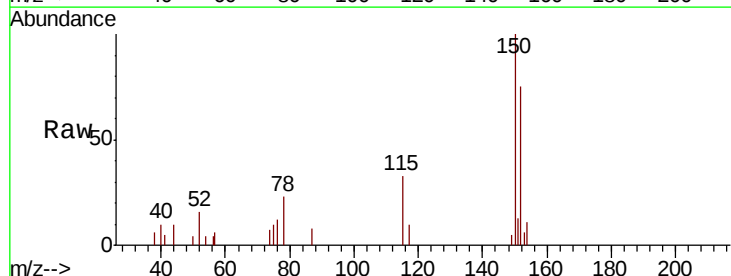


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

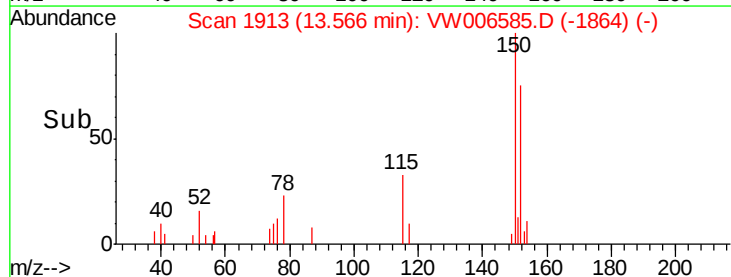
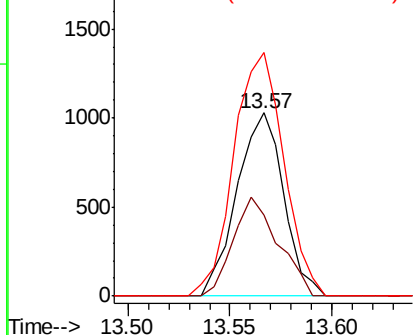


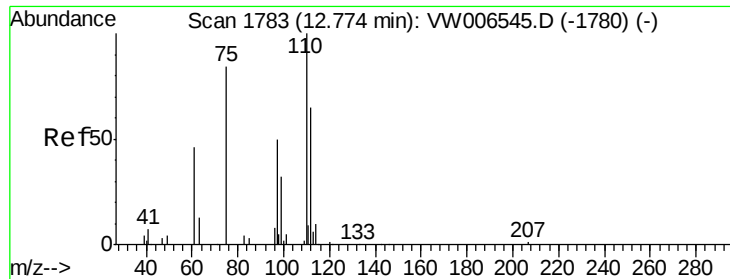
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006585.D
Acq: 02 Nov 2018 04:10

Tgt Ion:152 Resp: 1643
Ion Ratio Lower Upper
152 100
115 51.6 26.6 79.8
150 141.3 0.0 344.6



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: 99.461 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.16 min

Lab File: VW006585.D

Acq: 02 Nov 2018 04:10

Instrument :

MSVOA_W

ClientSampleId :

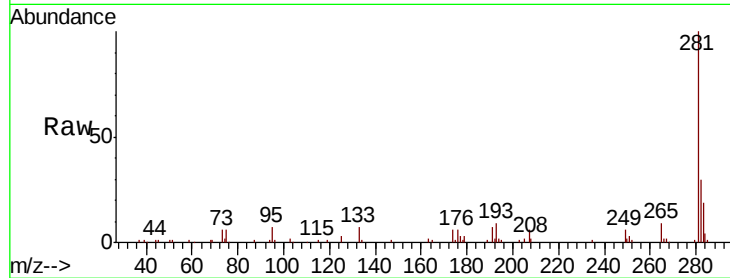
EG-DRUMRE

Tgt Ion: 75 Resp: 1275

Ion Ratio Lower Upper

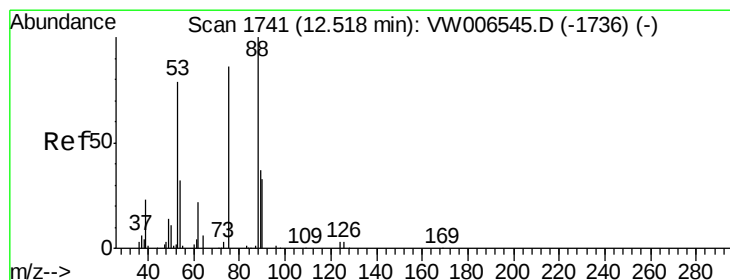
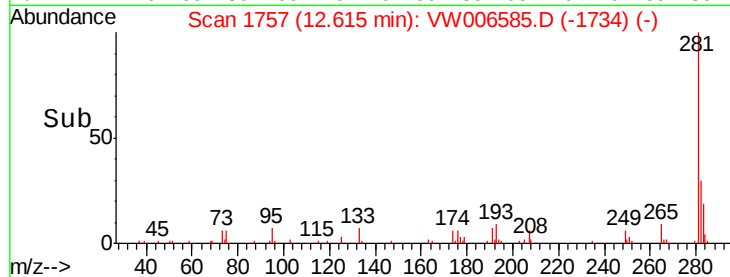
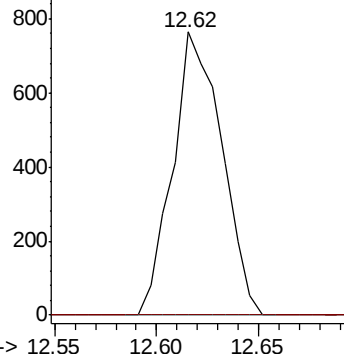
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 246.528 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW006585.D

Acq: 02 Nov 2018 04:10

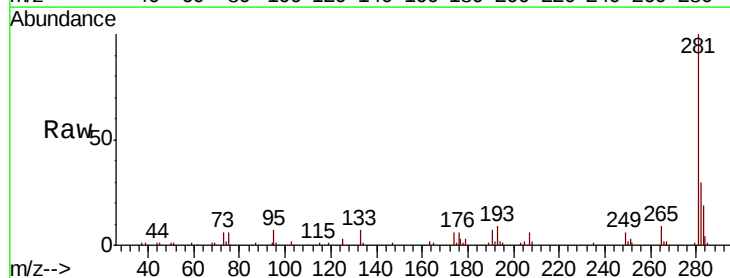
Tgt Ion: 75 Resp: 1275

Ion Ratio Lower Upper

75 100

53 0.0 77.2 115.8#

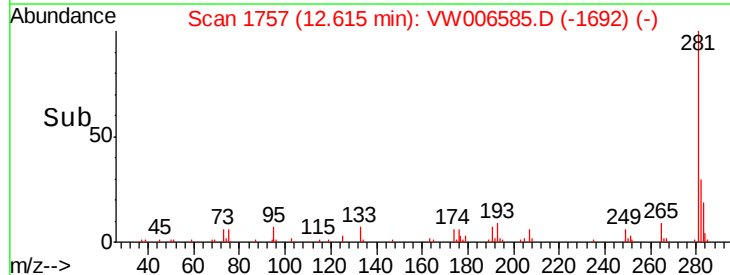
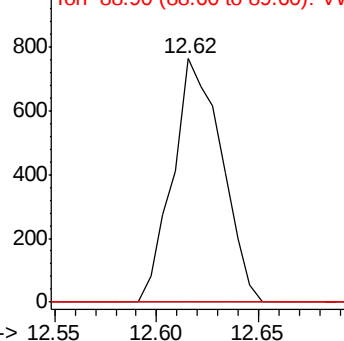
89 0.0 38.6 58.0#

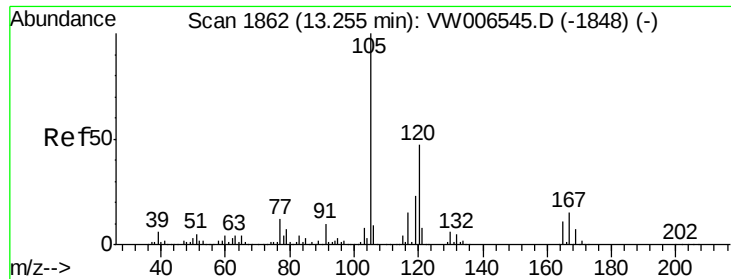


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

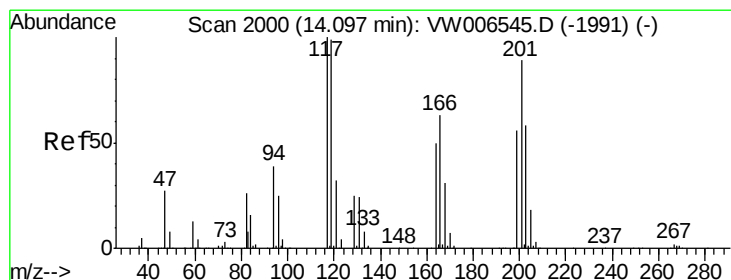
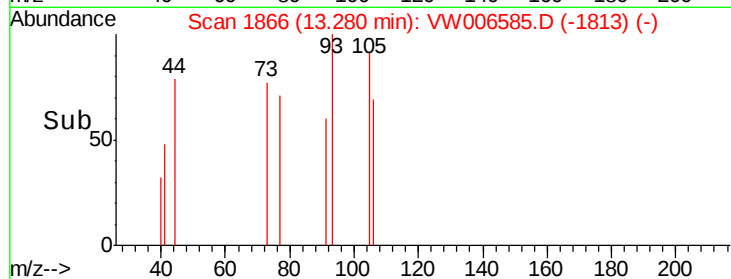
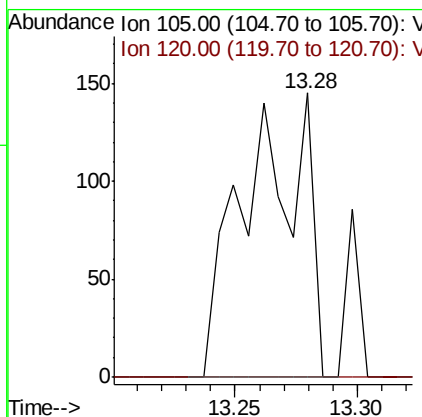
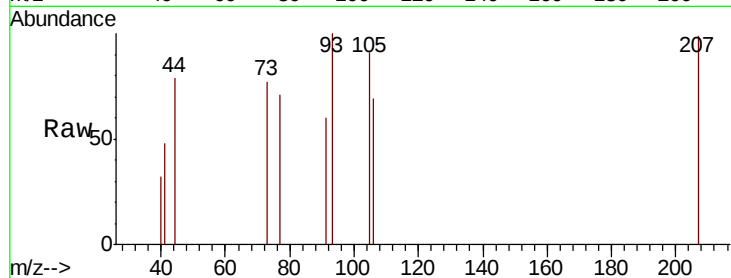




#84
 1,2,4-Trimethylbenzene
 Concen: 2.713 ug/l
 RT: 13.28 min Scan# 1866
 Delta R.T. 0.02 min
 Lab File: VW006585.D
 Acq: 02 Nov 2018 04:10

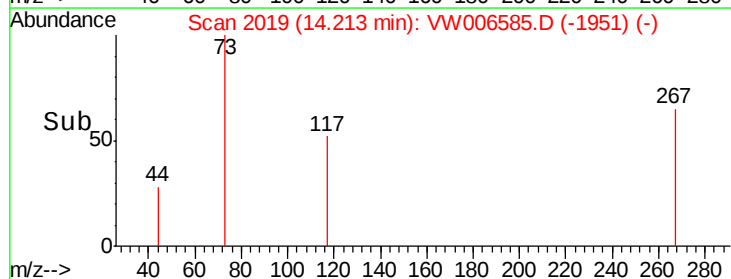
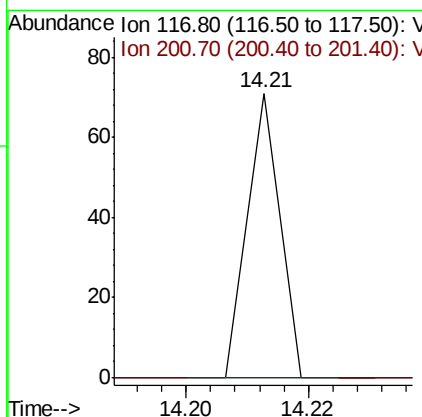
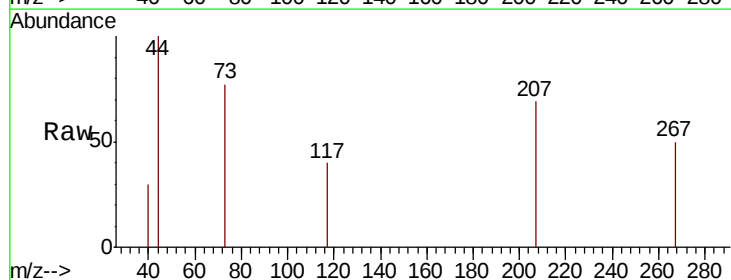
Instrument :
 MSVOA_W
 ClientSampleId :
 EG-DRUMRE

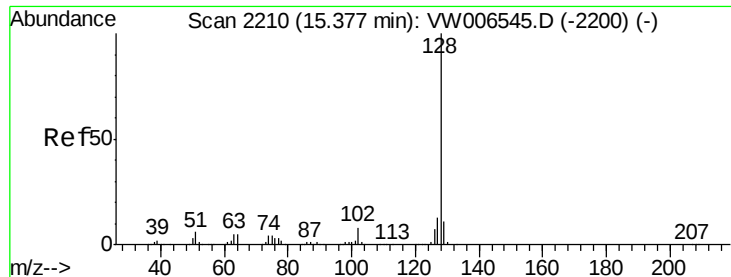
Tgt Ion:105 Resp: 253
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.2 69.6#



#90
 Hexachloroethane
 Concen: 1.531 ug/l
 RT: 14.21 min Scan# 2019
 Delta R.T. 0.12 min
 Lab File: VW006585.D
 Acq: 02 Nov 2018 04:10

Tgt Ion:117 Resp: 26
 Ion Ratio Lower Upper
 117 100
 201 0.0 46.8 140.3#

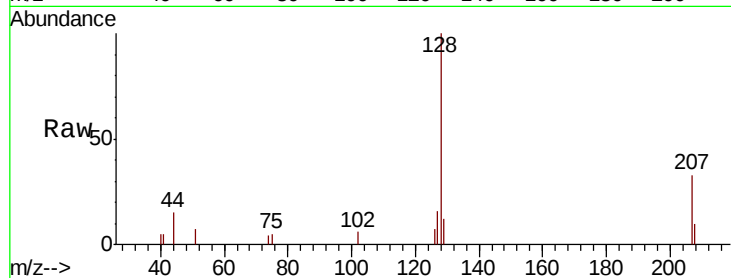




#95
Naphthalene
Concen: 35.499 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006585.D
Acq: 02 Nov 2018 04:10

Instrument :
MSVOA_W
ClientSampleId :
EG-DRUMRE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.3	15.5
129	8.0	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

