

Data File : VW004743.D
Acq On : 17 Aug 2018 20:12
Operator : SY/AP
Sample : VW0819SBL01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBL01

Quant Time: Aug 18 02:38:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	605440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	991385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	945825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	468605	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	336571	57.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.00%	
35) Dibromofluoromethane	7.88	113	326769	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
50) Toluene-d8	10.33	98	1223833	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.62	95	426722	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	

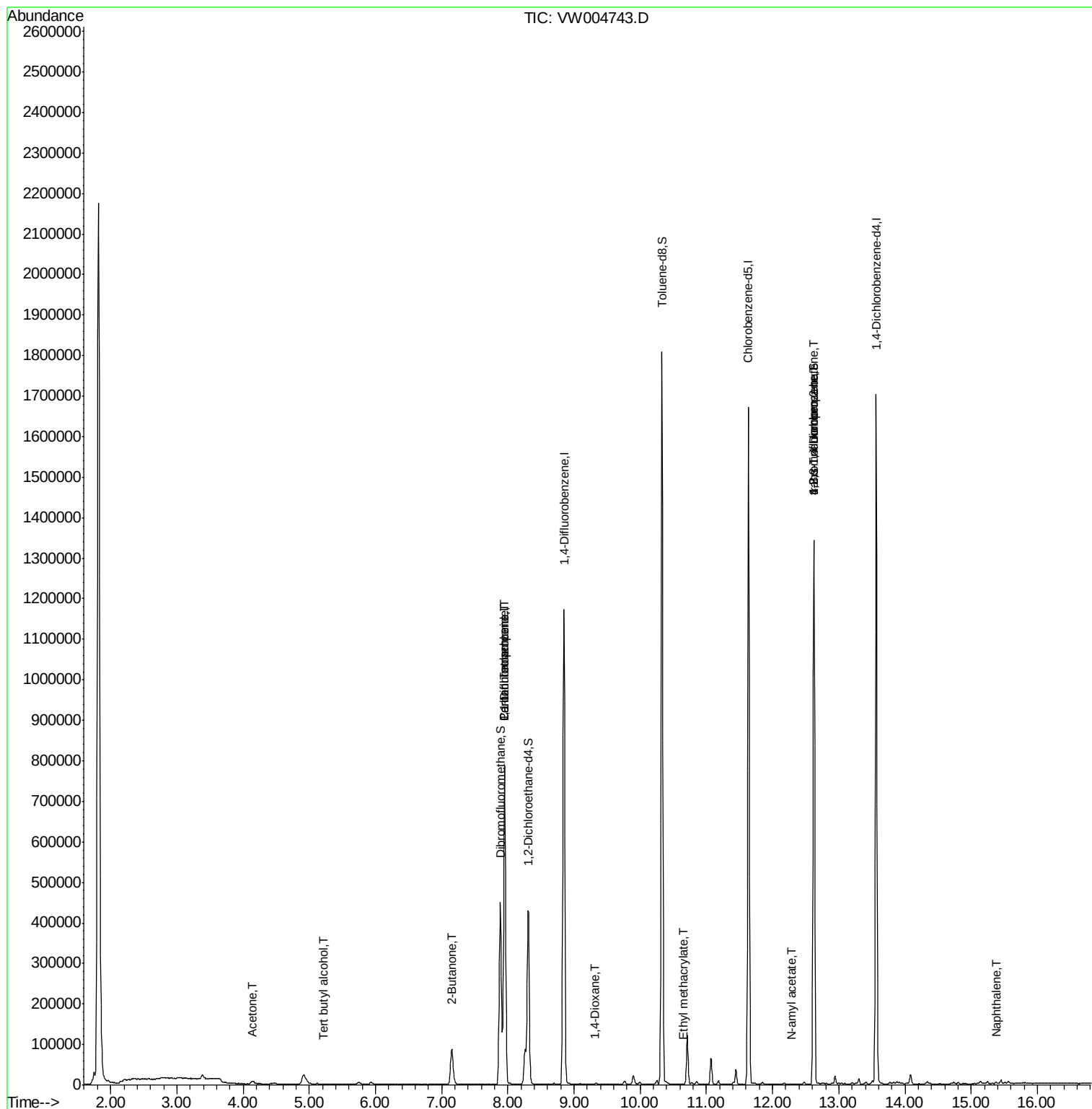
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.22	59	1384	4.232	ug/l #	76
16) Acetone	4.14	43	16426	10.993	ug/l	100
20) Methylene Chloride	4.92	84	21335	Below Cal	#	93
25) 2-Butanone	7.16	43	5117	2.403	ug/l #	76
36) 1,1-Dichloropropene	7.95	75	45661	4.471	ug/l #	48
38) Carbon Tetrachloride	7.95	117	55871	5.943	ug/l #	16
49) 1,4-Dioxane	9.31	88	72	1.370	ug/l #	1
56) Ethyl methacrylate	10.66	69	75	2.991	ug/l #	1
74) N-amyl acetate	12.29	43	140	4.036	ug/l #	59
76) 1,2,3-Trichloropropane	12.62	75	202922	49.123	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	202922	114.176	ug/l #	14
95) Naphthalene	15.38	128	3378	3.670	ug/l	96

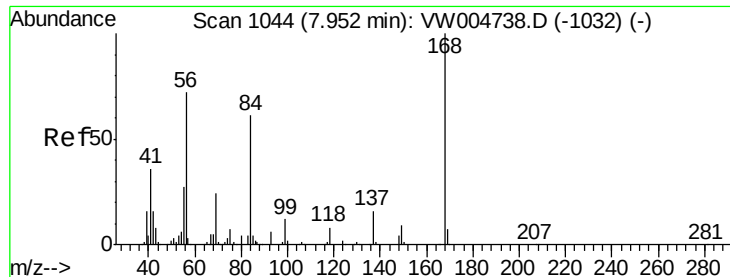
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004743.D

Acq: 17 Aug 2018 20:12

Instrument :

MSVOA_W

ClientSampleId :

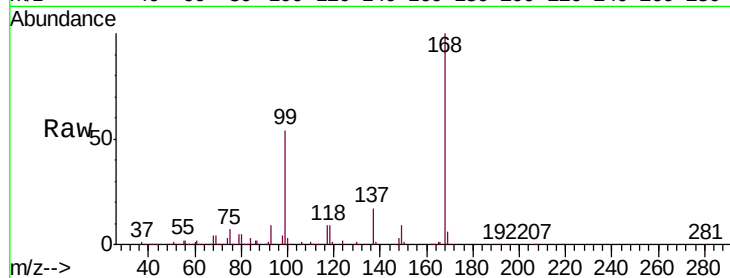
VW0819SBL01

Tgt Ion:168 Resp: 605440

Ion Ratio Lower Upper

168 100

99 53.5 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

250000

200000

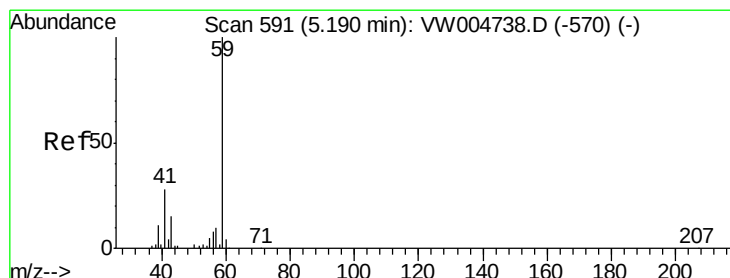
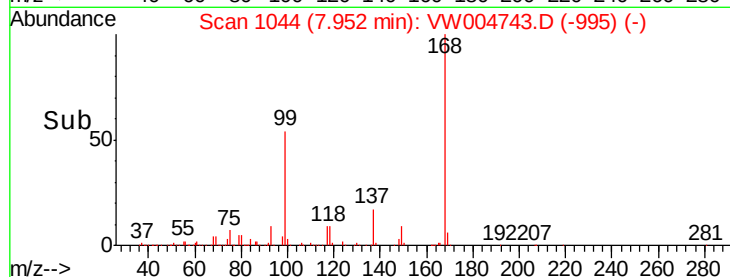
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 4.232 ug/l

RT: 5.22 min Scan# 596

Delta R.T. 0.03 min

Lab File: VW004743.D

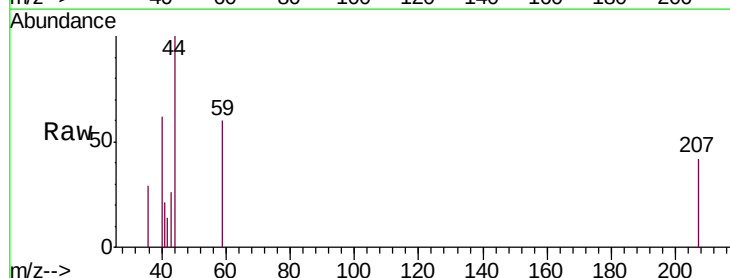
Acq: 17 Aug 2018 20:12

Tgt Ion: 59 Resp: 1384

Ion Ratio Lower Upper

59 100

57 1.6 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

500

400

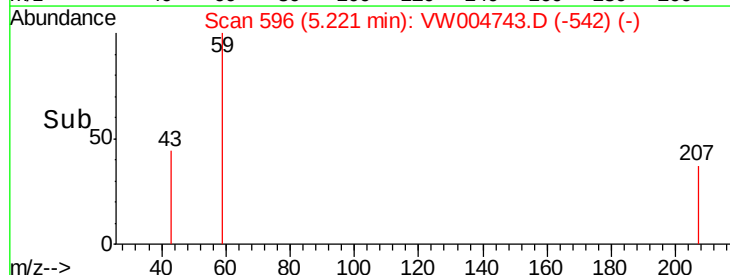
300

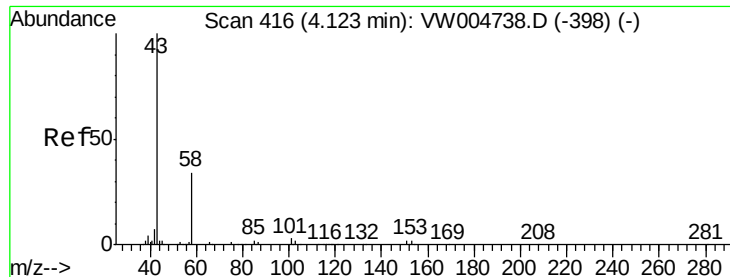
200

100

0

Time--> 5.15 5.20 5.25 5.30





#16

Acetone

Concen: 10.993 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.02 min

Lab File: VW004743.D

Acq: 17 Aug 2018 20:12

Instrument :

MSVOA_W

ClientSampleId :

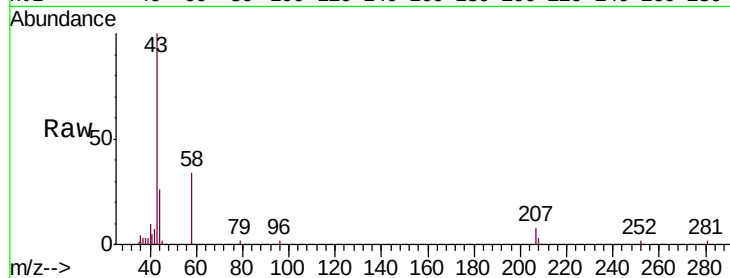
VW0819SBL01

Tgt Ion: 43 Resp: 16426

Ion Ratio Lower Upper

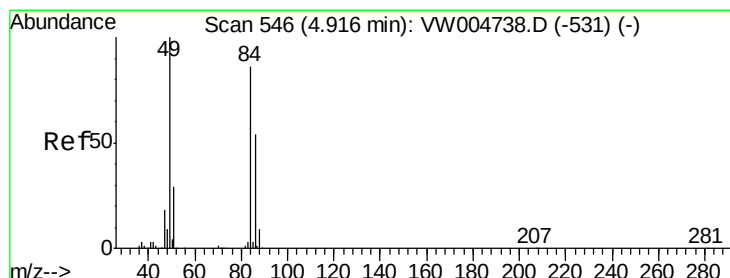
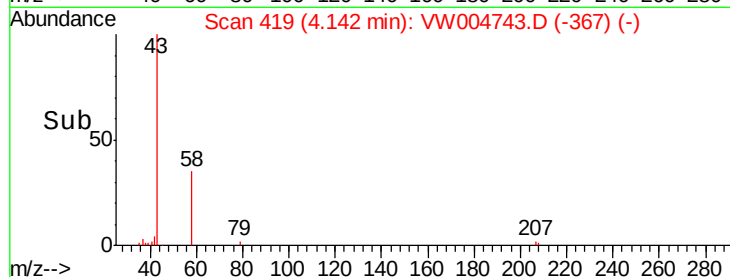
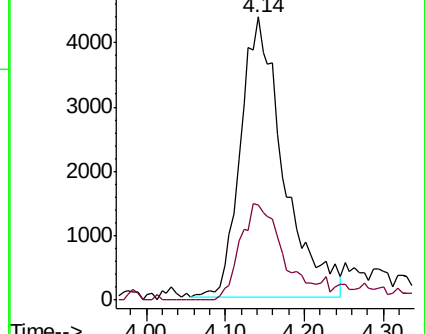
43 100

58 34.2 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.92 min Scan# 546

Delta R.T. 0.00 min

Lab File: VW004743.D

Acq: 17 Aug 2018 20:12

Tgt Ion: 84 Resp: 21335

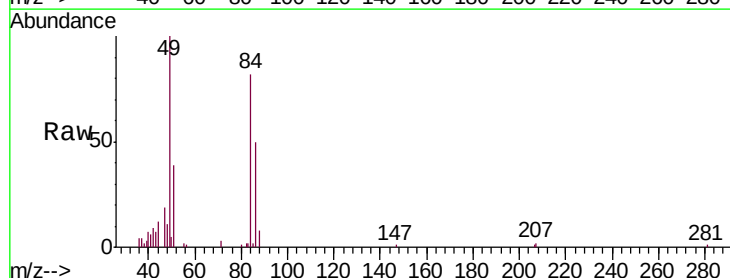
Ion Ratio Lower Upper

84 100

49 121.7 93.2 139.8

51 47.1 27.4 41.0#

86 60.7 50.6 75.8

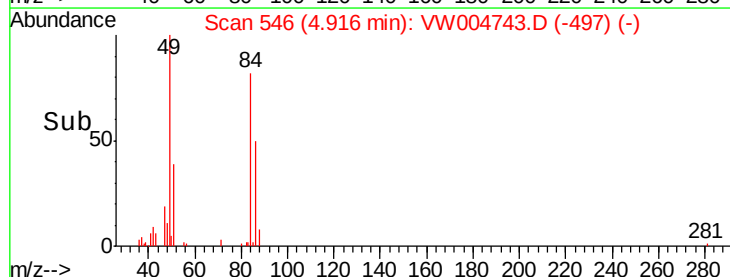
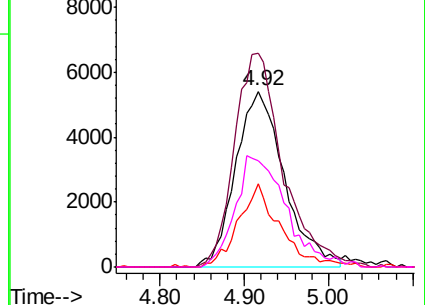


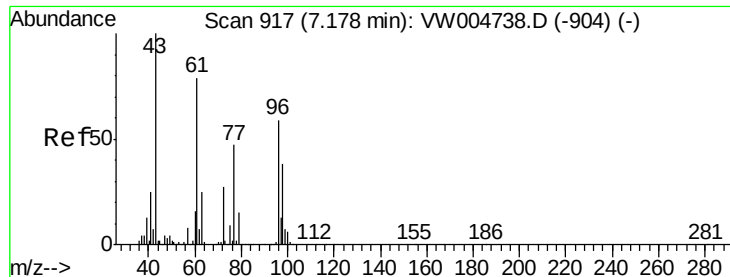
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 2.403 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.02 min

Lab File: VW004743.D

Acq: 17 Aug 2018 20:12

Instrument :

MSVOA_W

ClientSampleId :

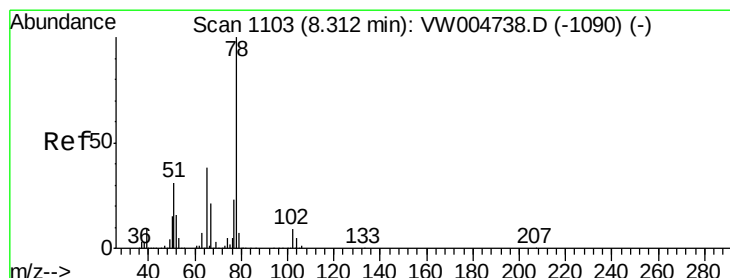
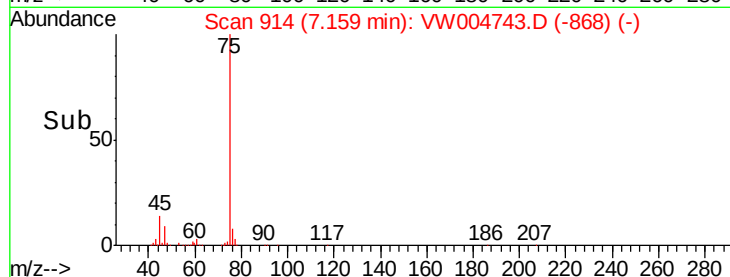
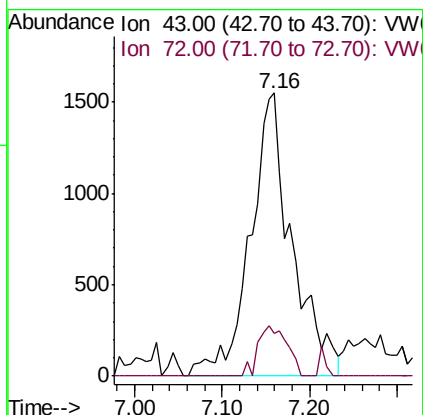
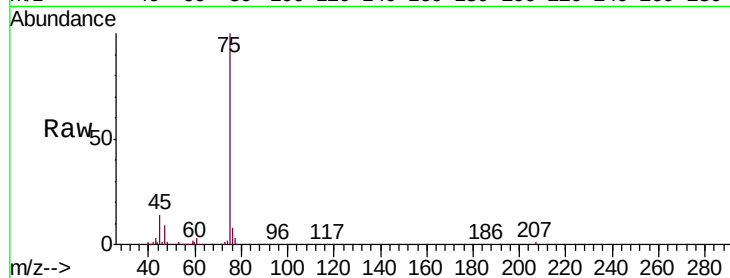
VW0819SBL01

Tgt Ion: 43 Resp: 5117

Ion Ratio Lower Upper

43 100

72 15.1 22.0 33.0#



#33

1,2-Dichloroethane-d4

Concen: 57.500 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VW004743.D

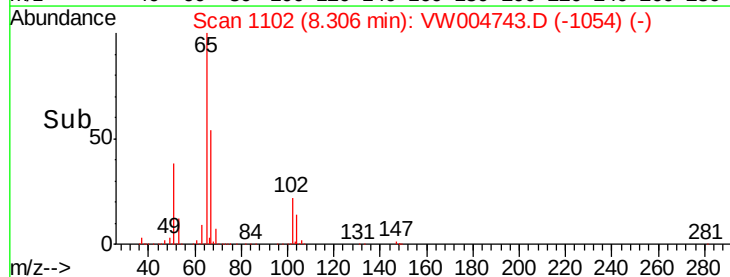
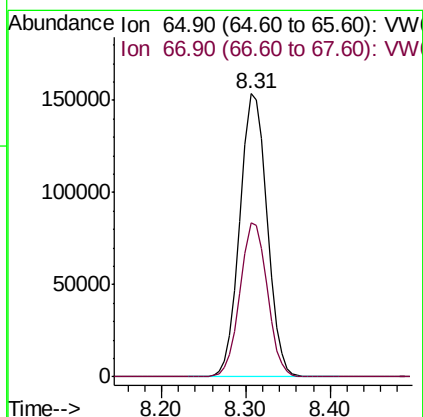
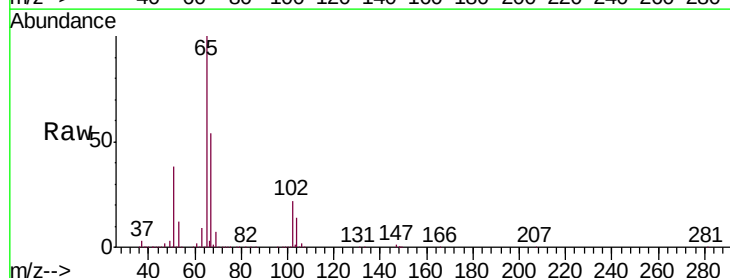
Acq: 17 Aug 2018 20:12

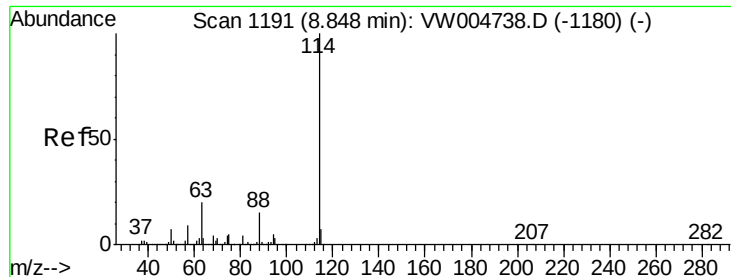
Tgt Ion: 65 Resp: 336571

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.4

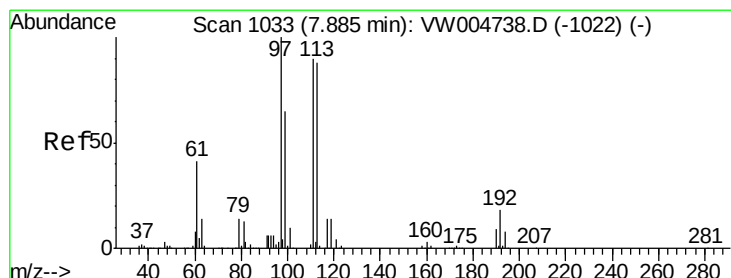
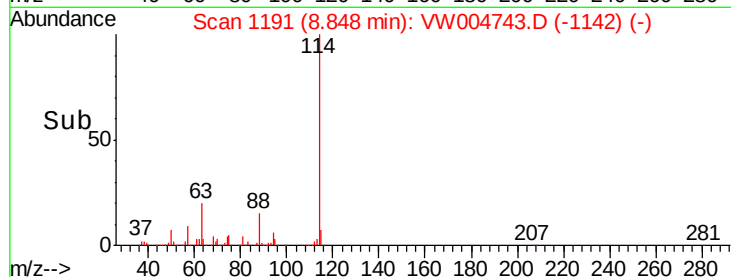
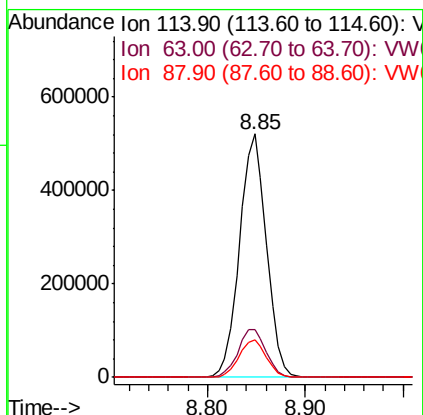
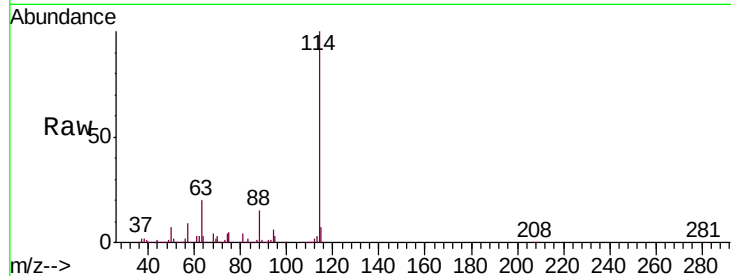




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004743.D
 Acq: 17 Aug 2018 20:12

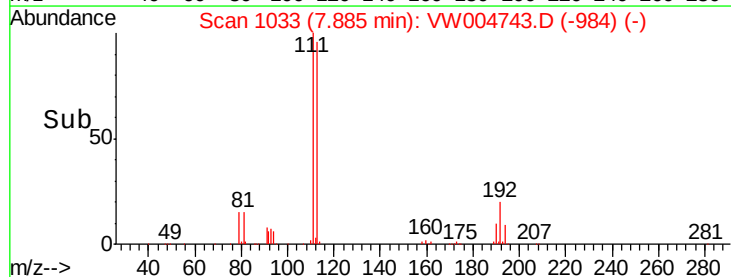
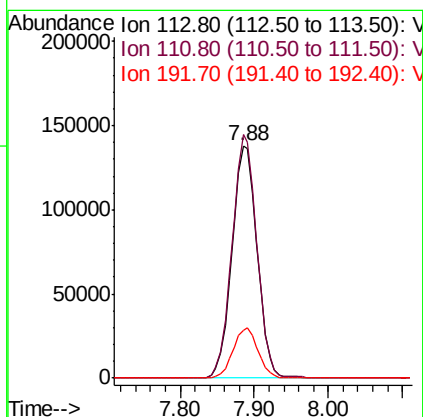
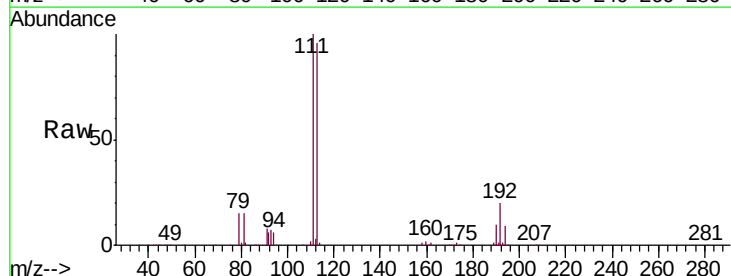
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBL01

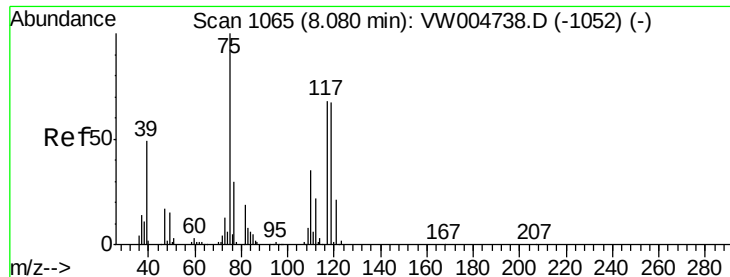
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.0
88	15.5	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 51.571 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004743.D
 Acq: 17 Aug 2018 20:12

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.4	123.6
192	21.3	16.7	25.1





#36

1,1-Dichloropropene

Concen: 4.471 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW004743.D

Acq: 17 Aug 2018 20:12

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBL01

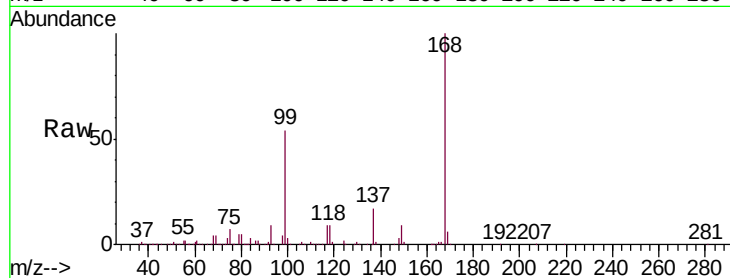
Tgt Ion: 75 Resp: 45661

Ion Ratio Lower Upper

75 100

110 7.7 17.8 53.5#

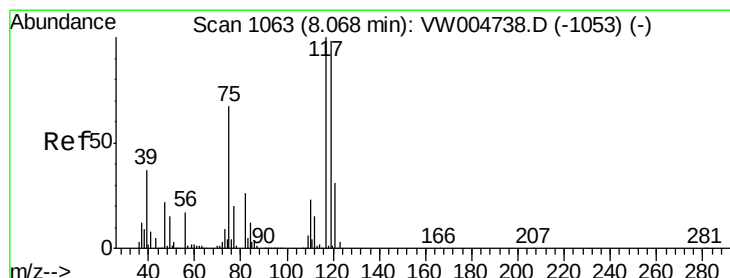
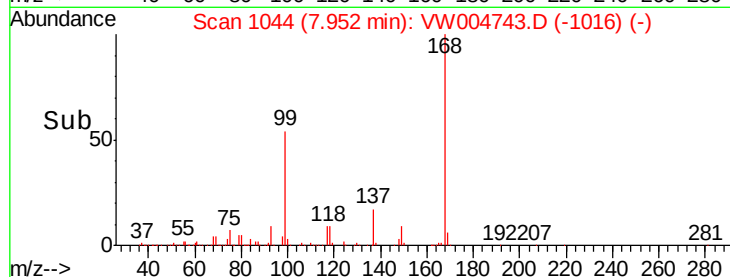
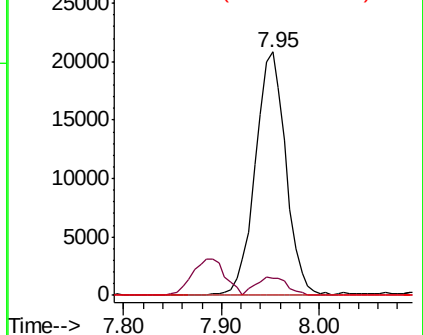
77 0.1 24.9 37.3#



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



#38

Carbon Tetrachloride

Concen: 5.943 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004743.D

Acq: 17 Aug 2018 20:12

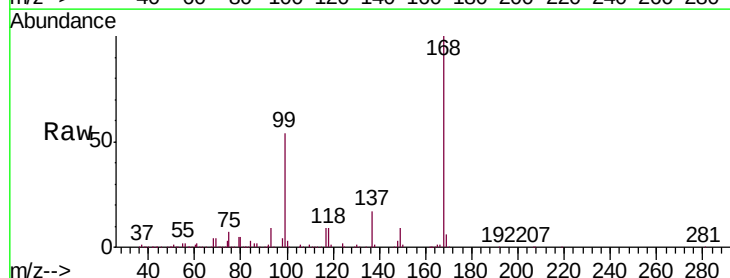
Tgt Ion: 117 Resp: 55871

Ion Ratio Lower Upper

117 100

119 6.1 78.0 117.0#

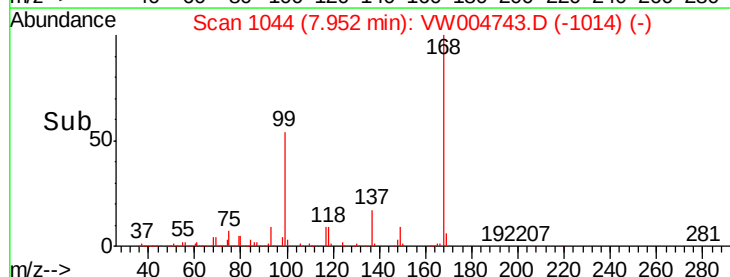
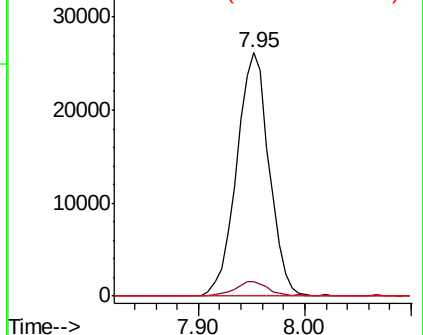
121 0.0 24.8 37.2#

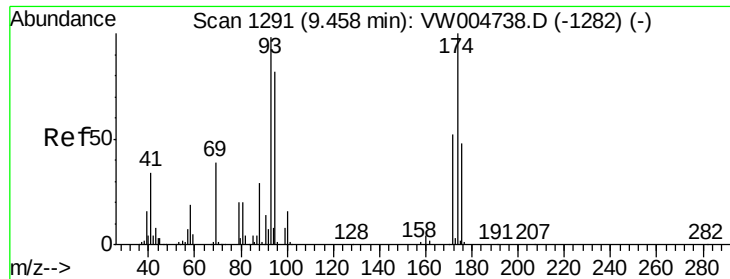


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

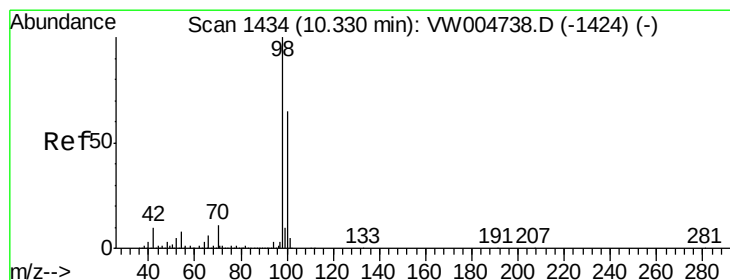
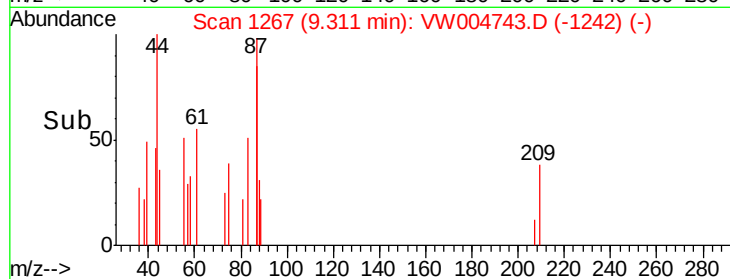
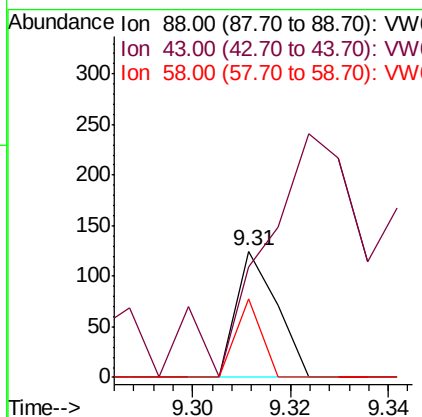
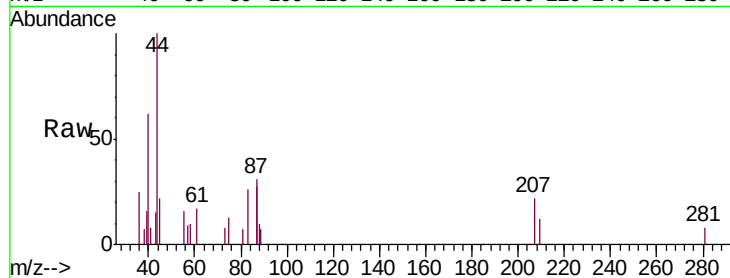




#49
 1,4-Dioxane
 Concen: 1.370 ug/l
 RT: 9.31 min Scan# 1267
 Delta R.T. -0.15 min
 Lab File: VW004743.D
 Acq: 17 Aug 2018 20:12

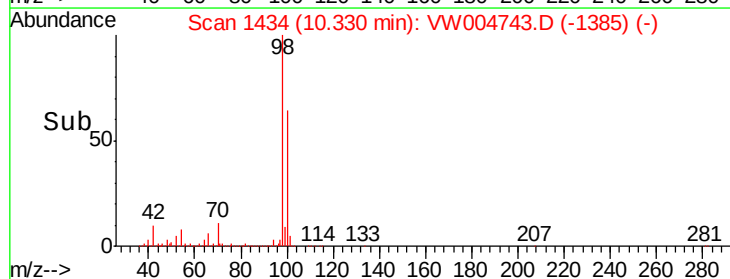
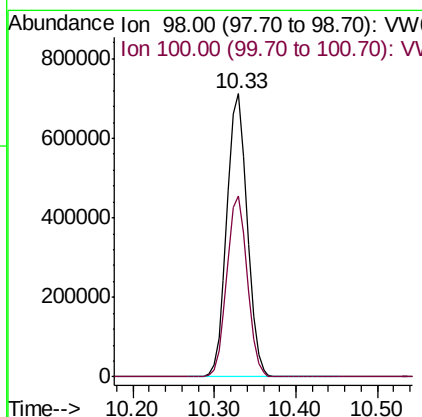
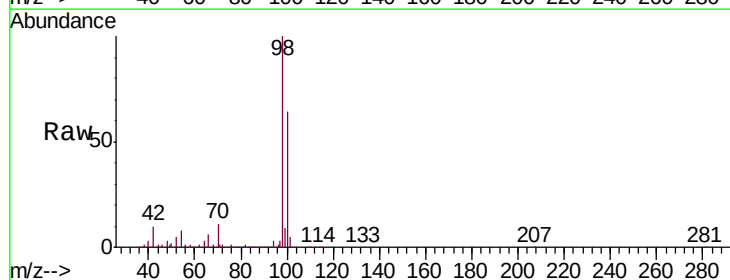
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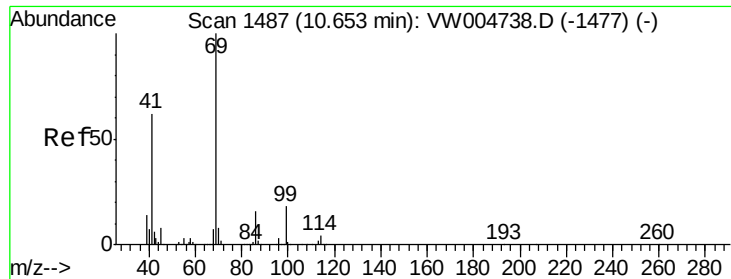
Tgt Ion: 88 Resp: 72
 Ion Ratio Lower Upper
 88 100
 43 654.2 22.9 34.3#
 58 40.3 60.0 90.0#



#50
 Toluene-d8
 Concen: 49.479 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW004743.D
 Acq: 17 Aug 2018 20:12

Tgt Ion: 98 Resp: 1223833
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.8 77.8

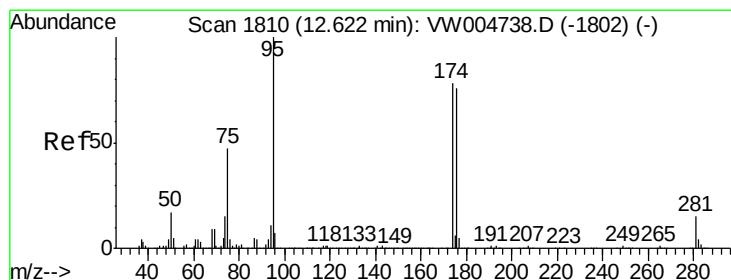
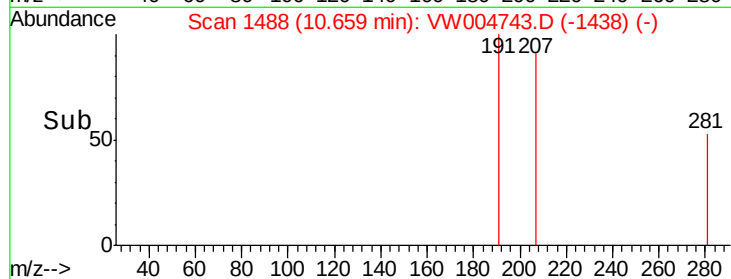
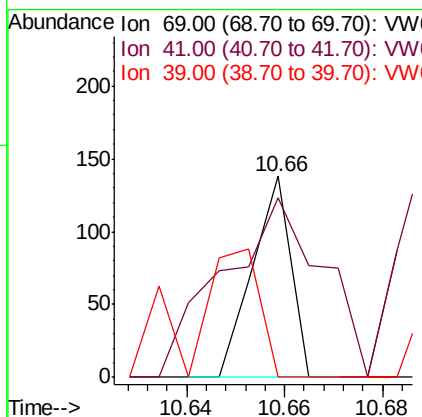
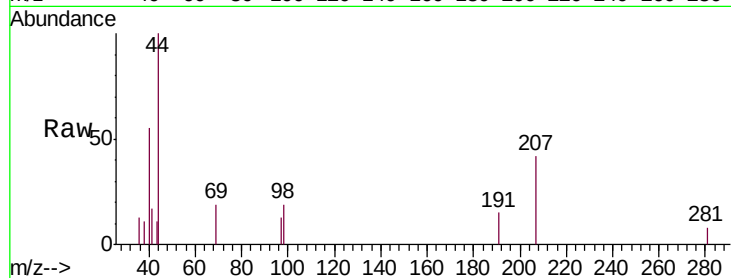




#56
Ethyl methacrylate
Concen: 2.991 ug/l
RT: 10.66 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW004743.D
Acq: 17 Aug 2018 20:12

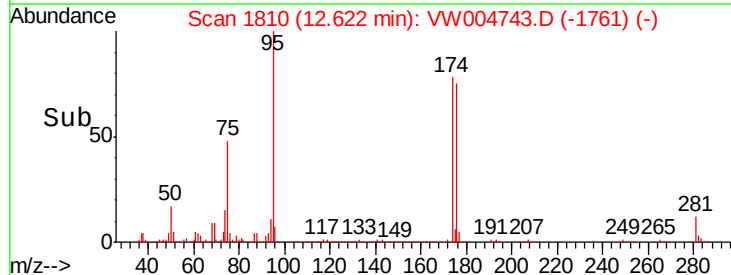
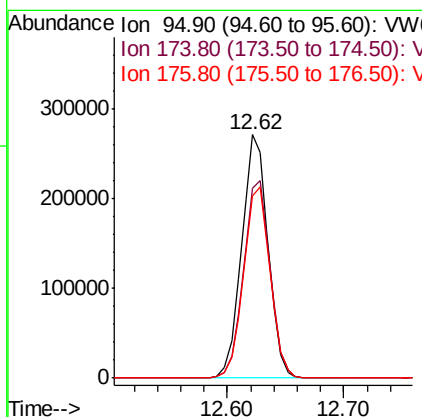
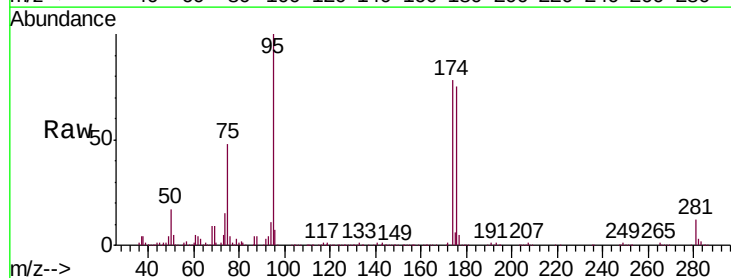
Instrument :
MSVOA_W
ClientSampled :
VW0819SBL01

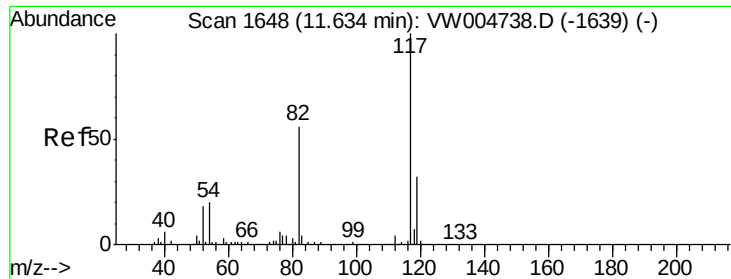
Tgt Ion: 69 Resp: 75
Ion Ratio Lower Upper
69 100
41 232.0 50.7 76.1#
39 82.7 21.4 32.2#



#62
4-Bromofluorobenzene
Concen: 47.955 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW004743.D
Acq: 17 Aug 2018 20:12

Tgt Ion: 95 Resp: 426722
Ion Ratio Lower Upper
95 100
174 82.5 0.0 165.8
176 79.3 0.0 159.8

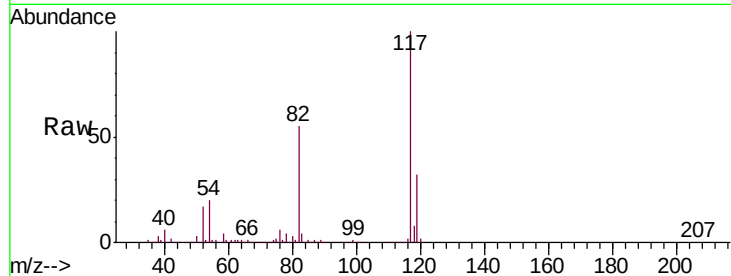




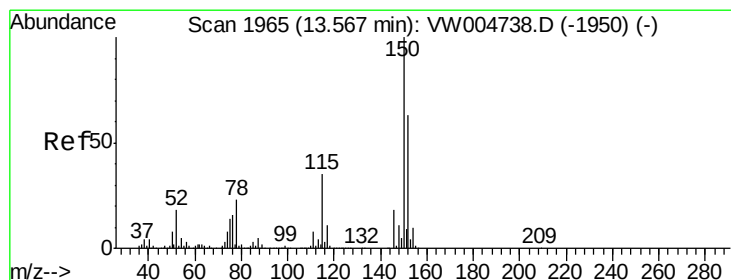
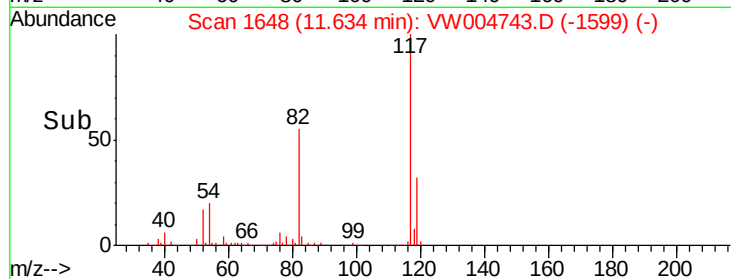
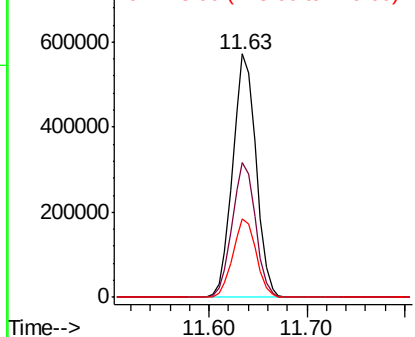
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004743.D
Acq: 17 Aug 2018 20:12

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBL01

Tgt Ion:117 Resp: 945825
Ion Ratio Lower Upper
117 100
82 55.1 44.6 67.0
119 32.4 25.6 38.4

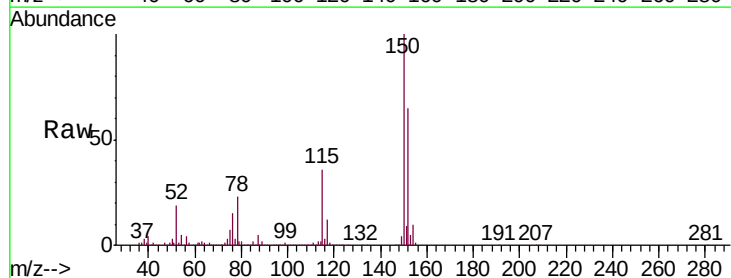


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

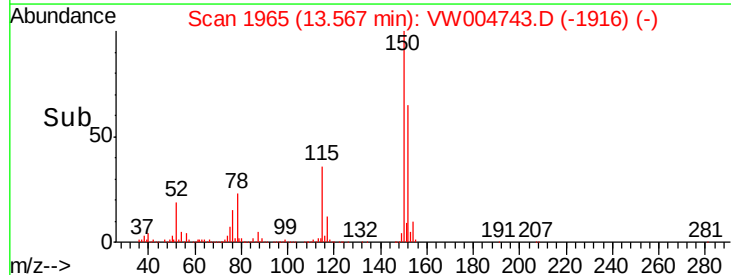
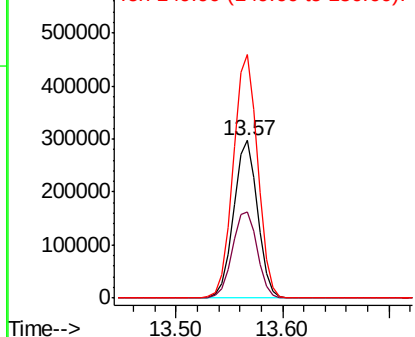


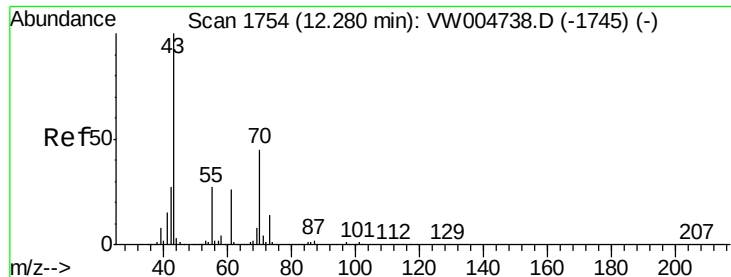
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004743.D
Acq: 17 Aug 2018 20:12

Tgt Ion:152 Resp: 468605
Ion Ratio Lower Upper
152 100
115 57.1 28.5 85.5
150 157.5 0.0 344.8



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





#74

N-ethyl acetate

Concen: 4.036 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. 0.01 min

Lab File: VW004743.D

Acq: 17 Aug 2018 20:12

Instrument :

MSVOA_W

ClientSampled :

VW0819SBL01

Tgt Ion: 43 Resp: 140

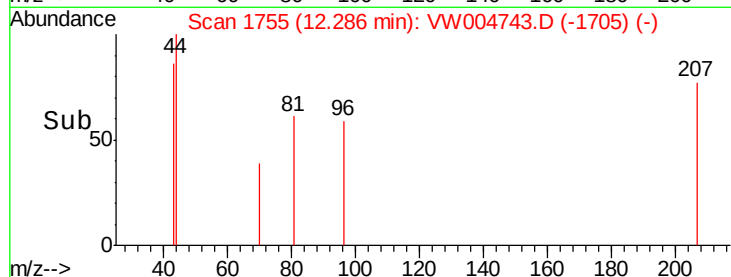
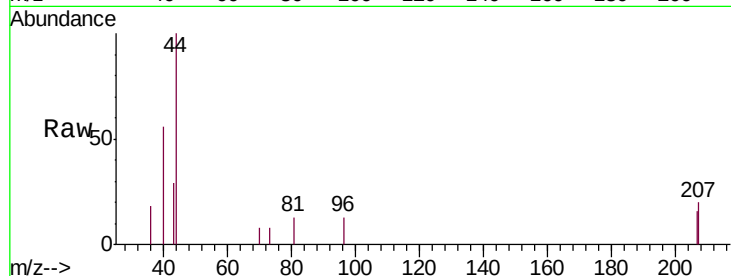
Ion Ratio Lower Upper

43 100

70 14.3 36.3 54.5#

55 16.4 22.6 33.8#

61 0.0 20.2 30.4#

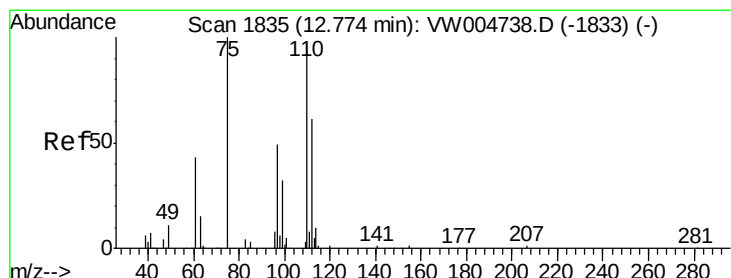
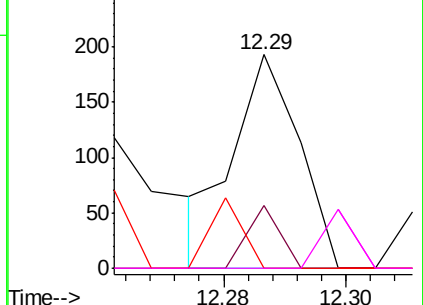


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#76

1,2,3-Trichloropropane

Concen: 49.123 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004743.D

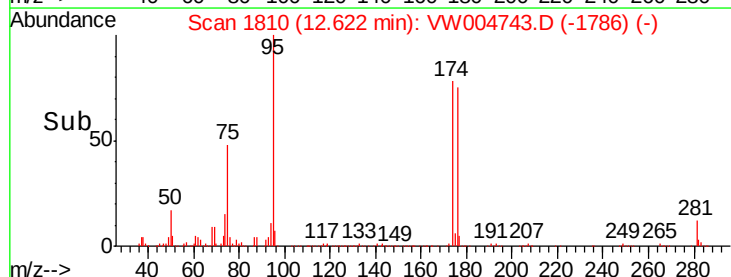
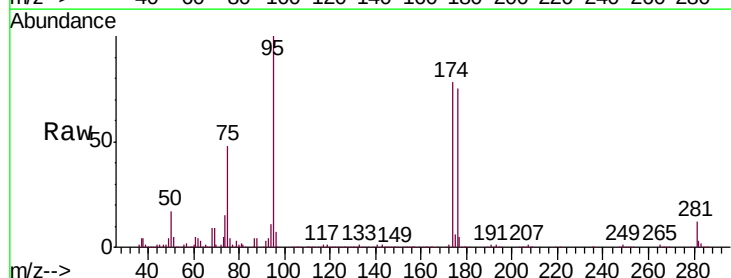
Acq: 17 Aug 2018 20:12

Tgt Ion: 75 Resp: 202922

Ion Ratio Lower Upper

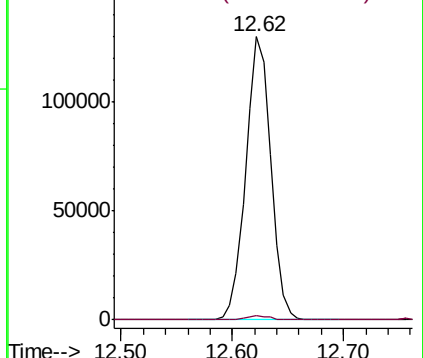
75 100

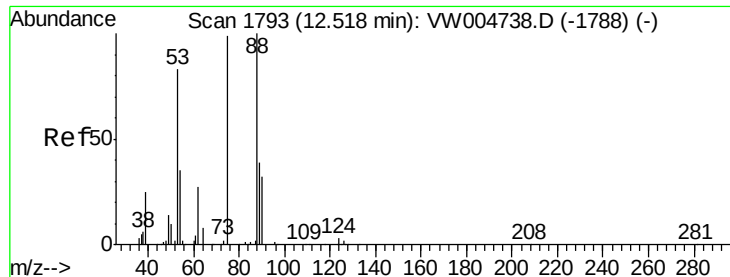
77 1.6 0.0 0.0#



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: 114.176 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004743.D

Acq: 17 Aug 2018 20:12

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBL01

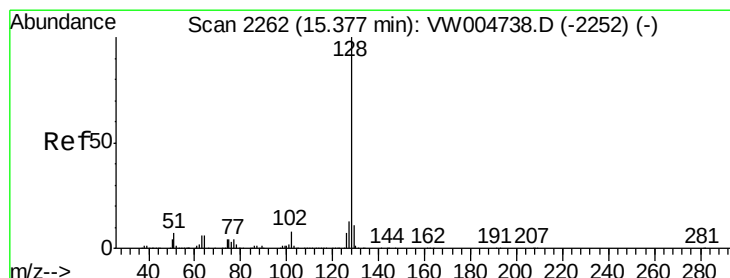
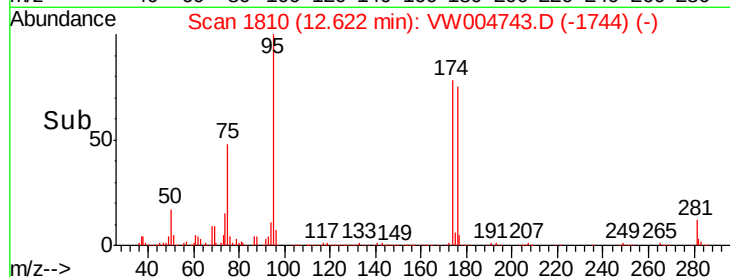
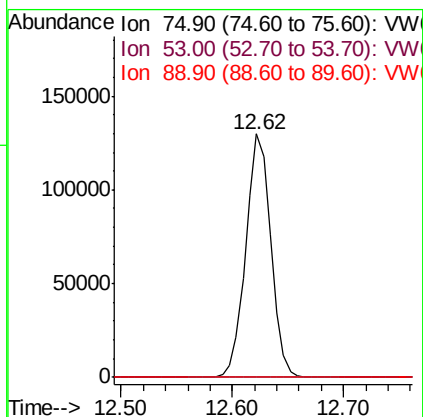
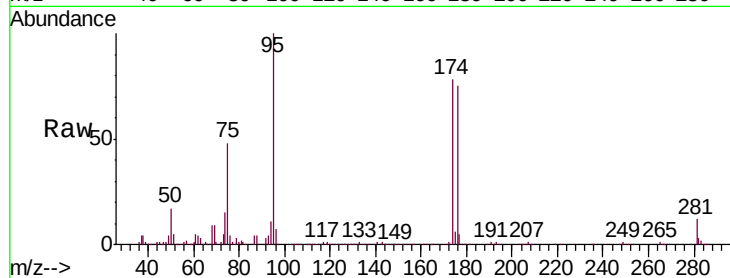
Tgt Ion: 75 Resp: 202922

Ion Ratio Lower Upper

75 100

53 0.2 72.2 108.4#

89 0.0 35.2 52.8#



#95

Naphthalene

Concen: 3.670 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004743.D

Acq: 17 Aug 2018 20:12

Tgt Ion: 128 Resp: 3378

Ion Ratio Lower Upper

128 100

127 14.3 10.4 15.6

129 12.9 8.6 13.0

