

Data File : VW004871.D
Acq On : 22 Aug 2018 06:11
Operator : SY/AP
Sample : J4524-01RE
Misc : 5.01G/5ML/MSVOA_W/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
Y-1802

Quant Time: Aug 22 07:51:43 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	457706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	785546	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	771815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	389476	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	291920	65.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	131.94%	
35) Dibromofluoromethane	7.88	113	401	0.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	0.16%	
50) Toluene-d8	10.33	98	971686	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.62	95	335001	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	

Target Compounds

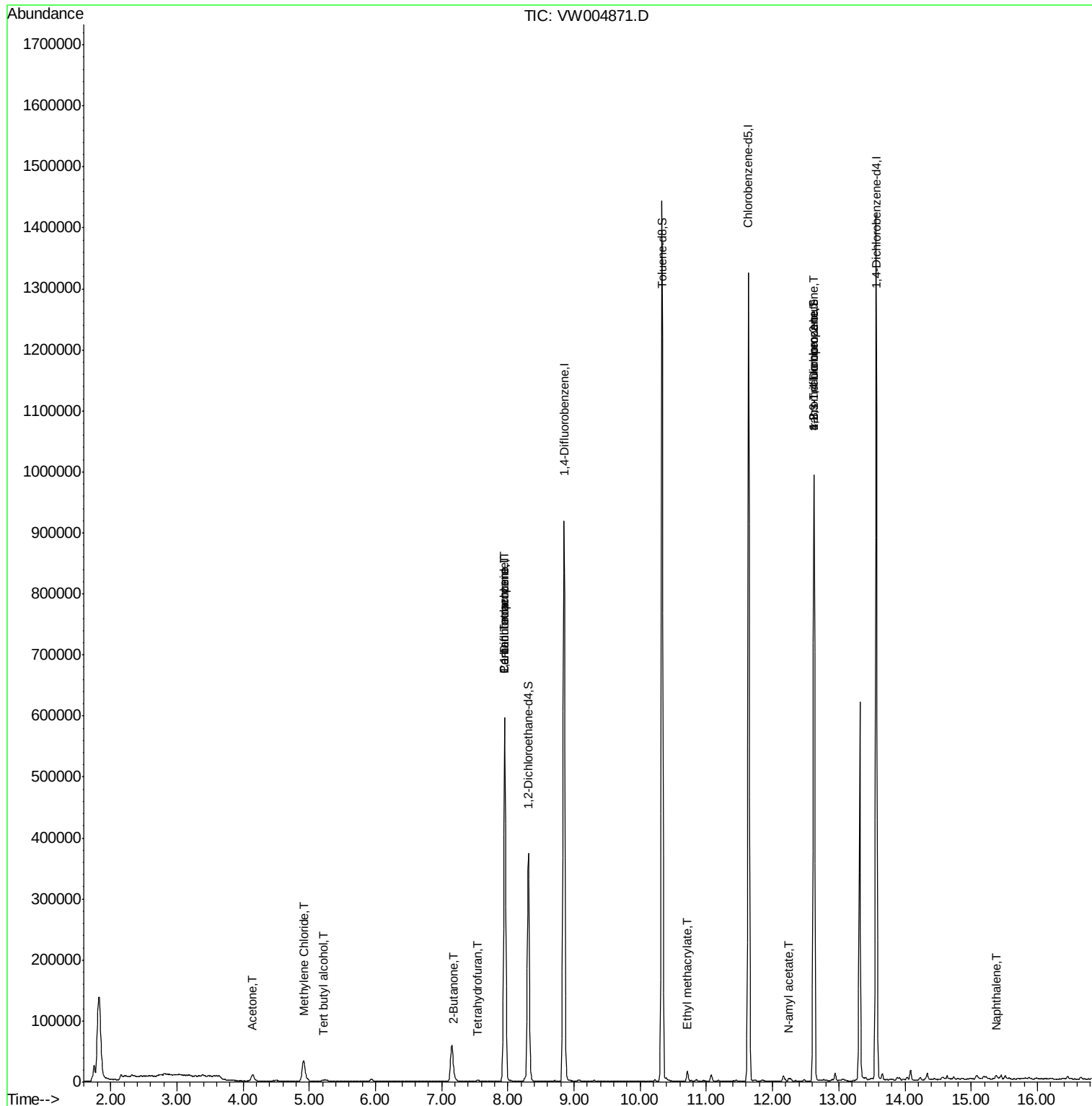
						Qvalue
11) Tert butyl alcohol	5.21	59	6146	24.860	ug/l #	79
16) Acetone	4.14	43	19653	17.398	ug/l	99
20) Methylene Chloride	4.92	84	30279	1.702	ug/l	94
25) 2-Butanone	7.19	43	2991	1.858	ug/l	95
29) Tetrahydrofuran	7.55	42	1509	1.839	ug/l	88
36) 1,1-Dichloropropene	7.95	75	33854	4.183	ug/l #	48
38) Carbon Tetrachloride	7.95	117	42366	5.687	ug/l #	17
56) Ethyl methacrylate	10.70	69	47	2.989	ug/l #	1
74) N-amyl acetate	12.24	43	3406	4.524	ug/l #	47
76) 1,2,3-Trichloropropane	12.62	75	158825	46.260	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	158825	107.521	ug/l #	14
95) Naphthalene	15.38	128	5539	3.828	ug/l	94

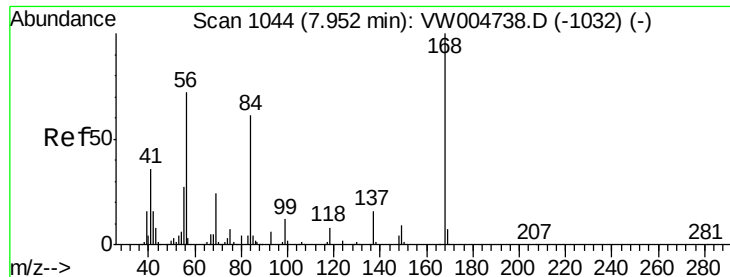
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004871.D

Acq: 22 Aug 2018 06:11

Instrument :

MSVOA_W

ClientSampleId :

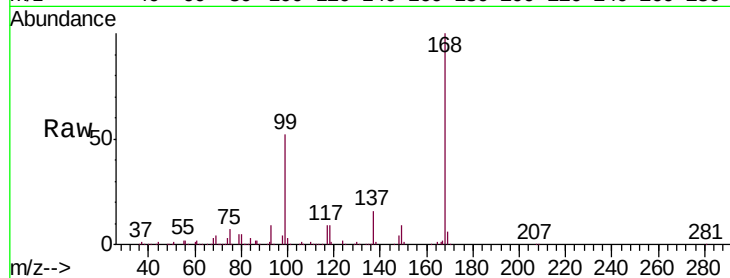
Y-1802

Tgt Ion:168 Resp: 457706

Ion Ratio Lower Upper

168 100

99 52.0 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

250000

200000

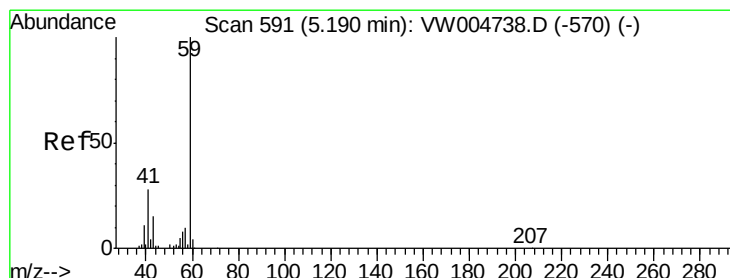
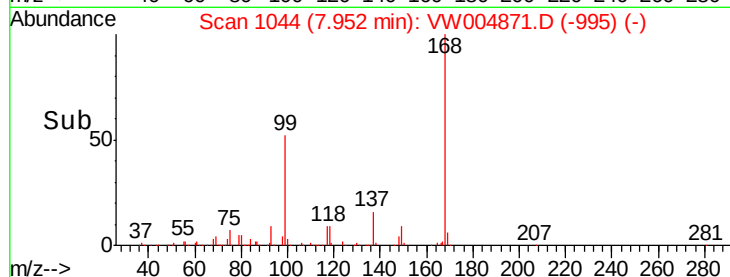
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 24.860 ug/l

RT: 5.21 min Scan# 595

Delta R.T. 0.02 min

Lab File: VW004871.D

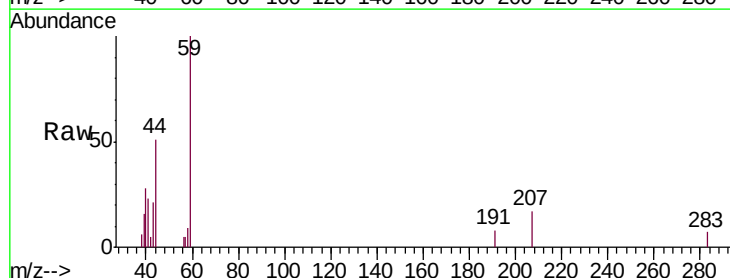
Acq: 22 Aug 2018 06:11

Tgt Ion: 59 Resp: 6146

Ion Ratio Lower Upper

59 100

57 2.7 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

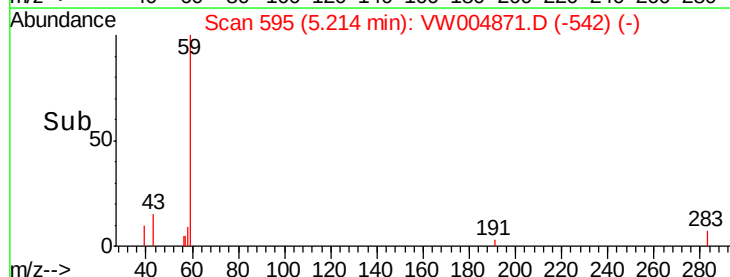
5.21

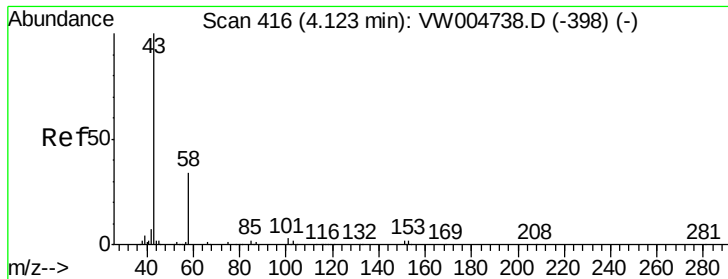
1000

500

0

Time--> 5.10 5.20 5.30 5.40

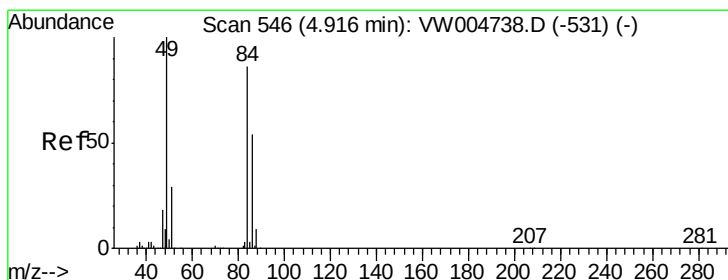
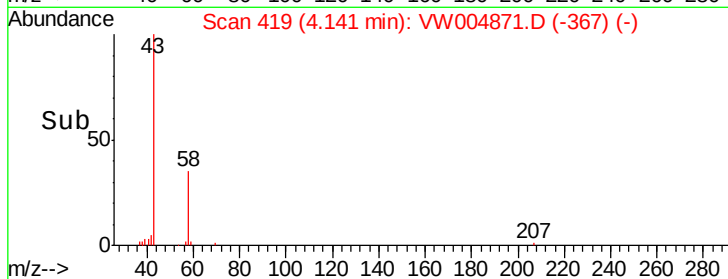
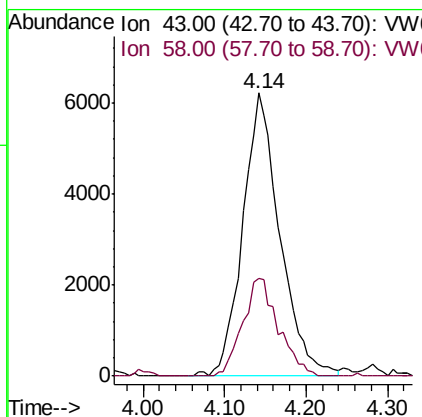
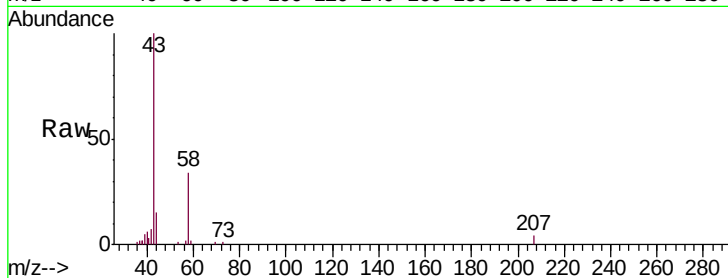




#16
Acetone
Concen: 17.398 ug/l
RT: 4.14 min Scan# 419
Delta R.T. 0.02 min
Lab File: VW004871.D
Acq: 22 Aug 2018 06:11

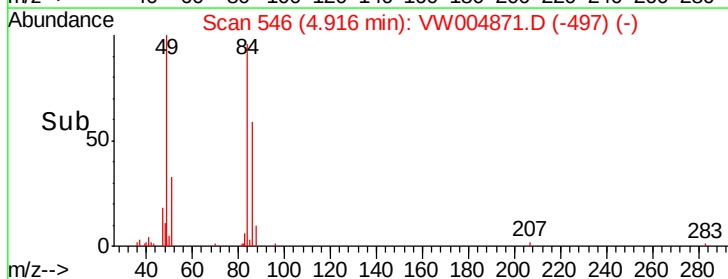
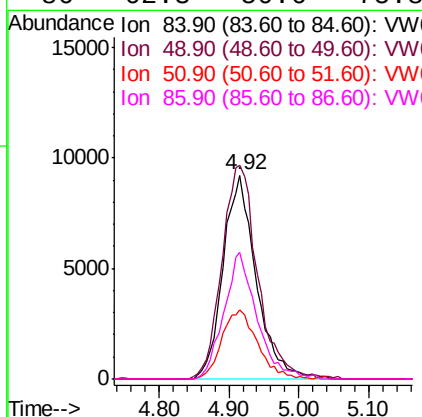
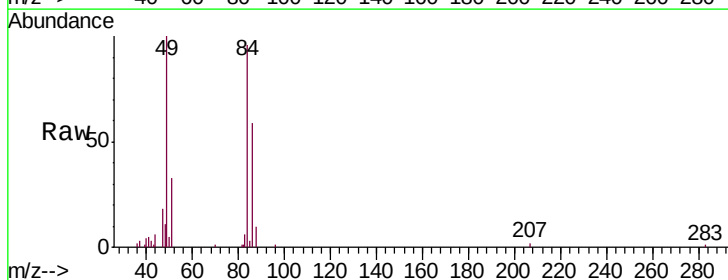
Instrument :
MSVOA_W
ClientSampleId :
Y-1802

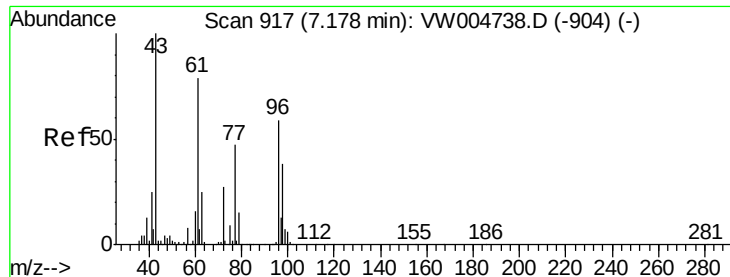
Tgt Ion: 43 Resp: 19653
Ion Ratio Lower Upper
43 100
58 34.4 27.3 40.9



#20
Methylene Chloride
Concen: 1.702 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.00 min
Lab File: VW004871.D
Acq: 22 Aug 2018 06:11

Tgt Ion: 84 Resp: 30279
Ion Ratio Lower Upper
84 100
49 104.7 93.2 139.8
51 34.1 27.4 41.0
86 62.3 50.6 75.8





#25

2-Butanone

Concen: 1.858 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW004871.D

Acq: 22 Aug 2018 06:11

Instrument :

MSVOA_W

ClientSampled :

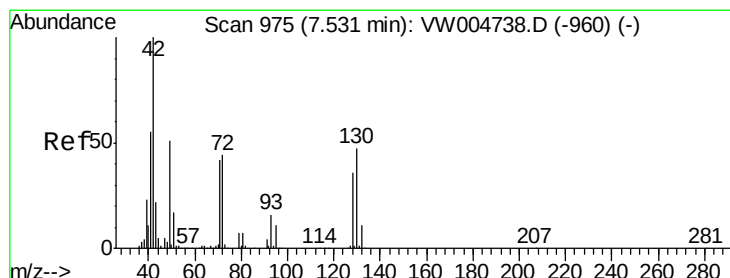
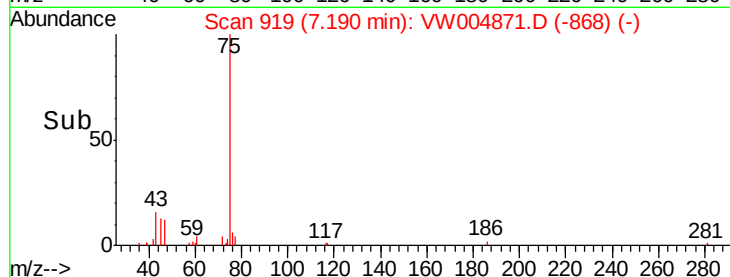
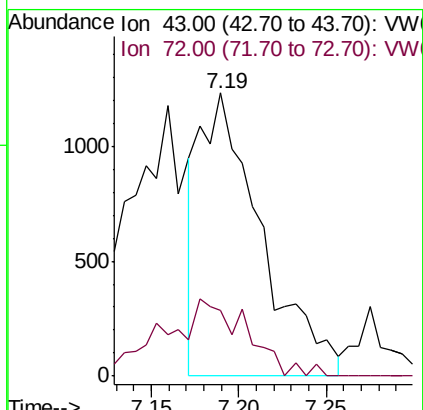
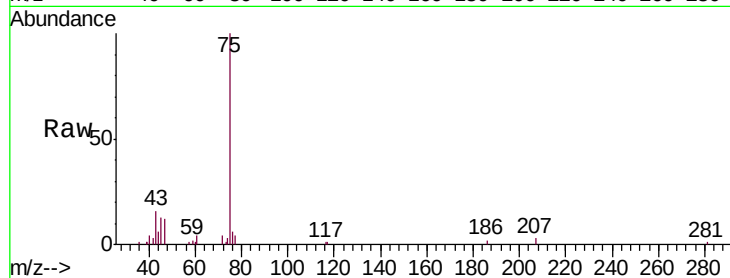
Y-1802

Tgt Ion: 43 Resp: 2991

Ion Ratio Lower Upper

43 100

72 25.1 22.0 33.0



#29

Tetrahydrofuran

Concen: 1.839 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.02 min

Lab File: VW004871.D

Acq: 22 Aug 2018 06:11

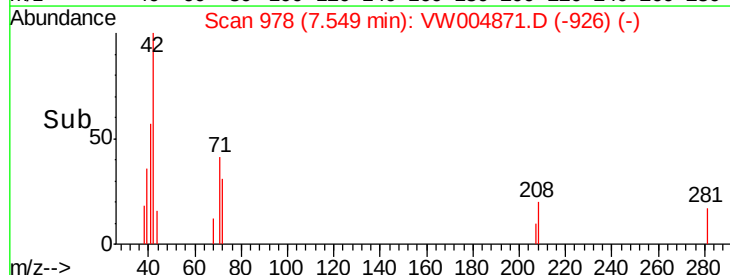
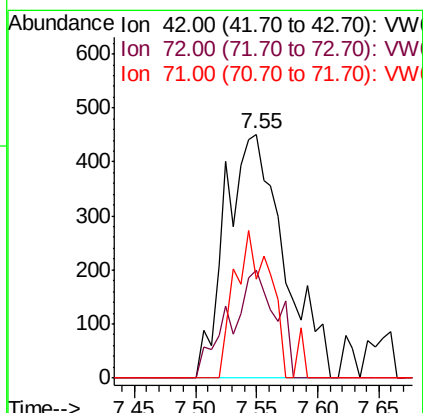
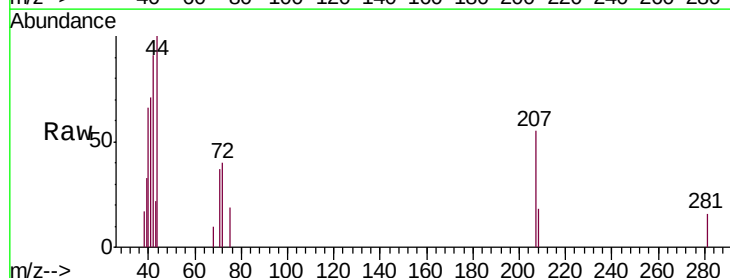
Tgt Ion: 42 Resp: 1509

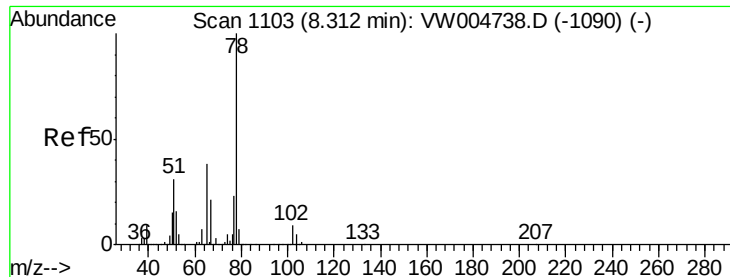
Ion Ratio Lower Upper

42 100

72 34.9 34.9 52.3

71 35.9 33.8 50.6

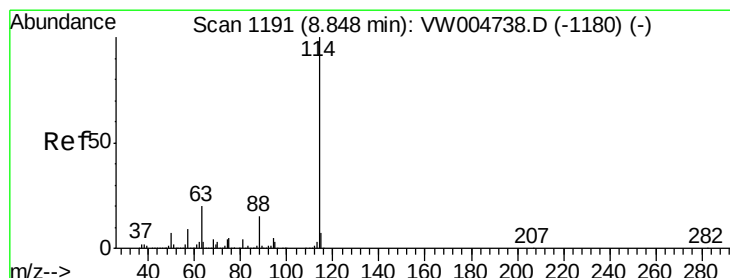
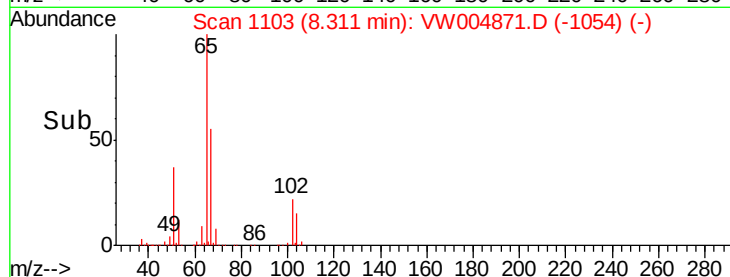
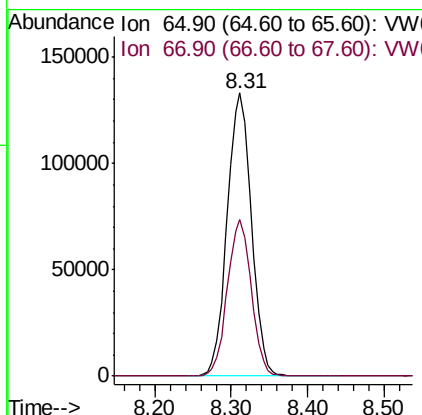
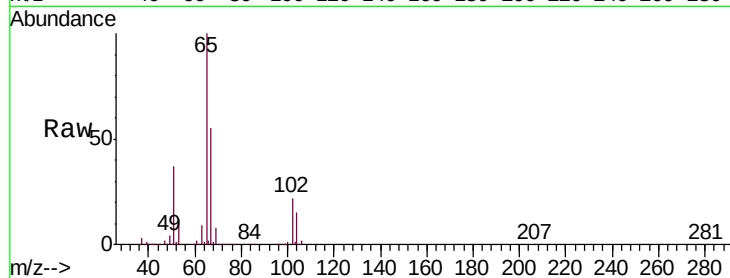




#33
 1,2-Dichloroethane-d4
 Concen: 65.969 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004871.D
 Acq: 22 Aug 2018 06:11

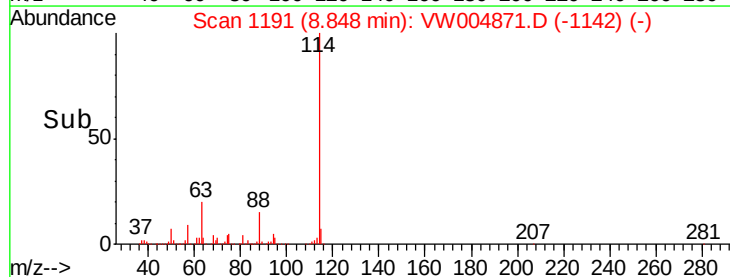
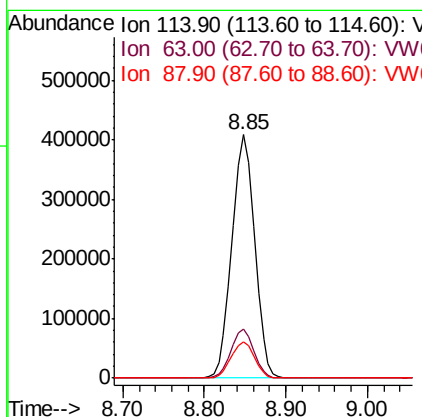
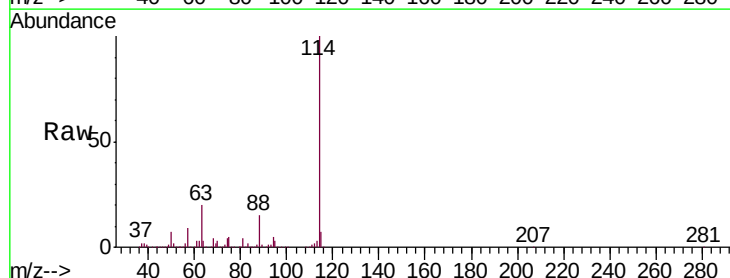
Instrument :
 MSVOA_W
 ClientSampled :
 Y-1802

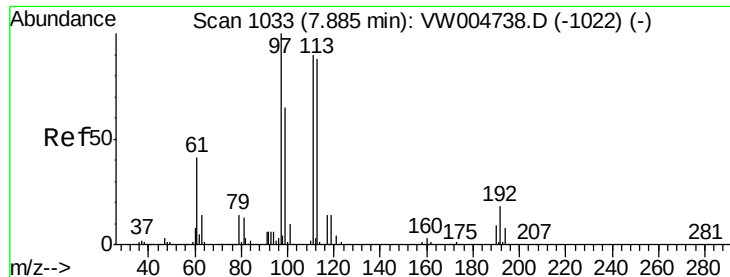
Tgt Ion: 65 Resp: 291920
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004871.D
 Acq: 22 Aug 2018 06:11

Tgt Ion: 114 Resp: 785546
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.0
 88 15.1 0.0 30.0

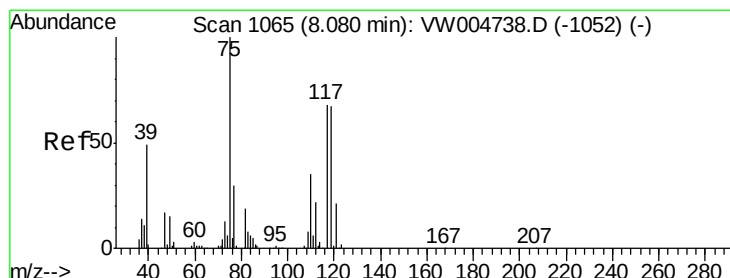
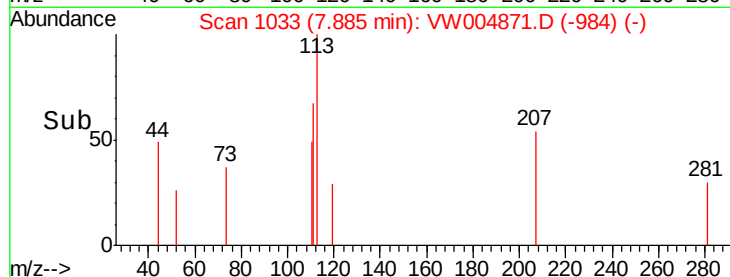
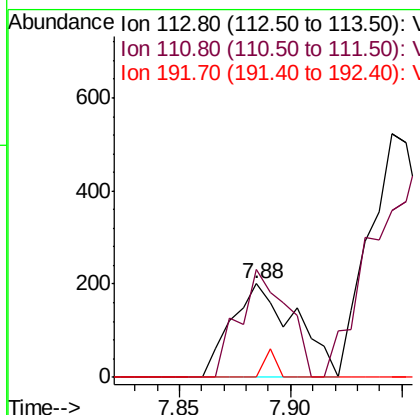
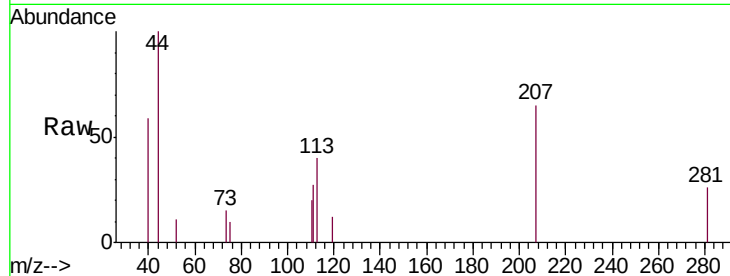




#35
 Dibromofluoromethane
 Concen: 0.080 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004871.D
 Acq: 22 Aug 2018 06:11

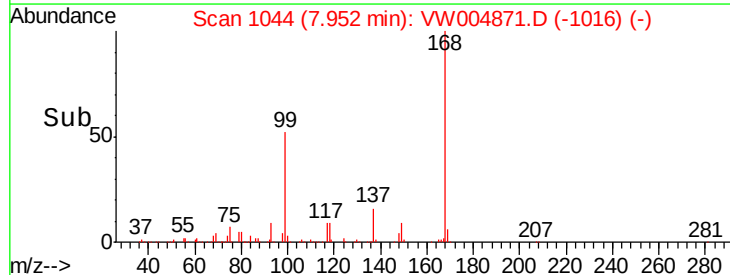
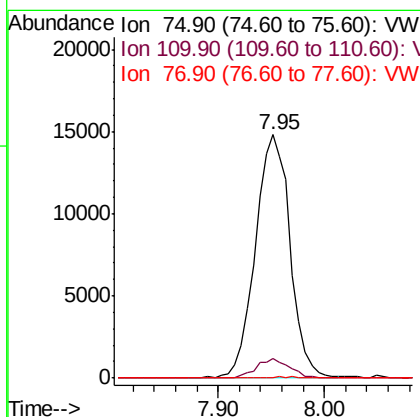
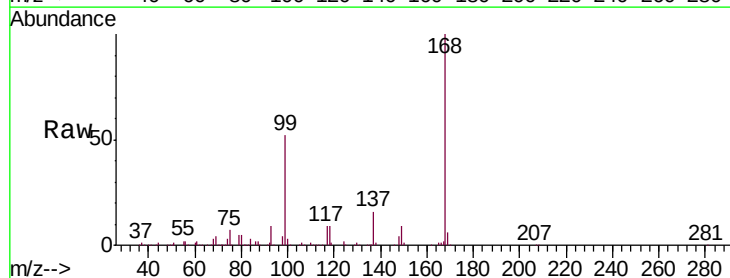
Instrument :
 MSVOA_W
 ClientSampled :
 Y-1802

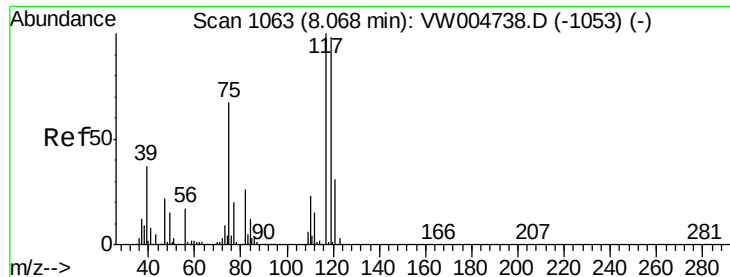
Tgt Ion: 113 Resp: 401
 Ion Ratio Lower Upper
 113 100
 111 86.5 82.4 123.6
 192 5.7 16.7 25.1#



#36
 1,1-Dichloropropene
 Concen: 4.183 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004871.D
 Acq: 22 Aug 2018 06:11

Tgt Ion: 75 Resp: 33854
 Ion Ratio Lower Upper
 75 100
 110 7.6 17.8 53.5#
 77 0.3 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 5.687 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004871.D

Acq: 22 Aug 2018 06:11

Instrument :

MSVOA_W

ClientSampled :

Y-1802

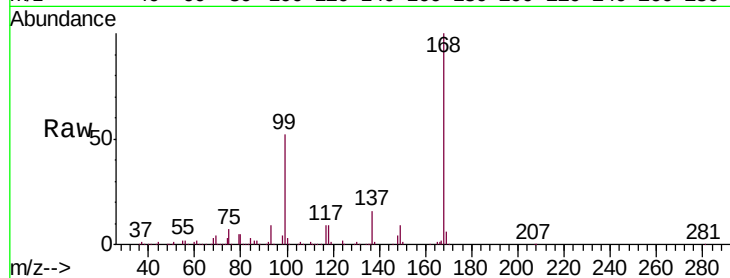
Tgt Ion:117 Resp: 42366

Ion Ratio Lower Upper

117 100

119 7.5 78.0 117.0#

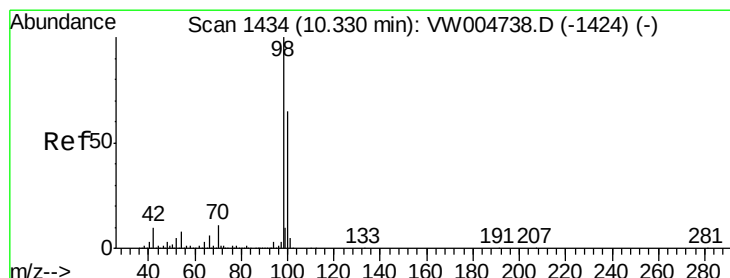
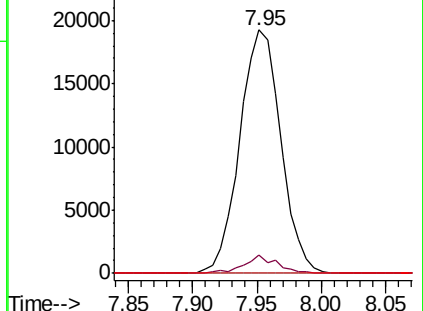
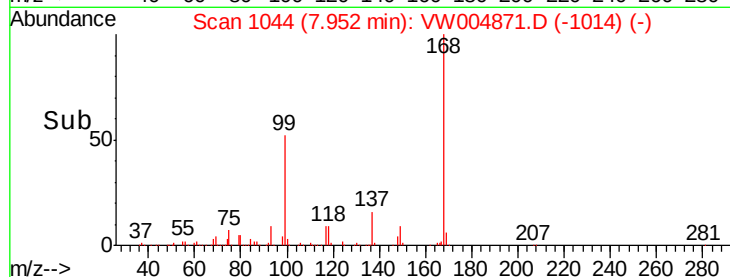
121 0.0 24.8 37.2#



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



#50

Toluene-d8

Concen: 49.579 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004871.D

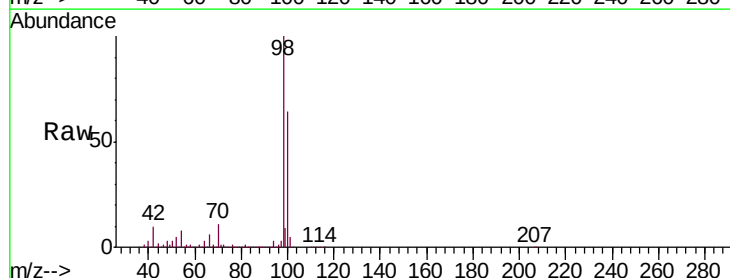
Acq: 22 Aug 2018 06:11

Tgt Ion: 98 Resp: 971686

Ion Ratio Lower Upper

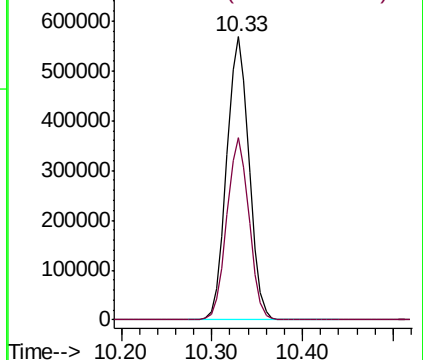
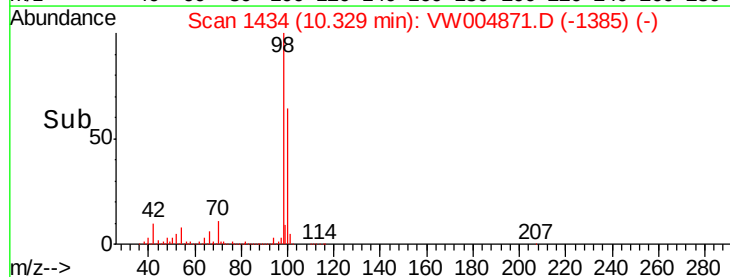
98 100

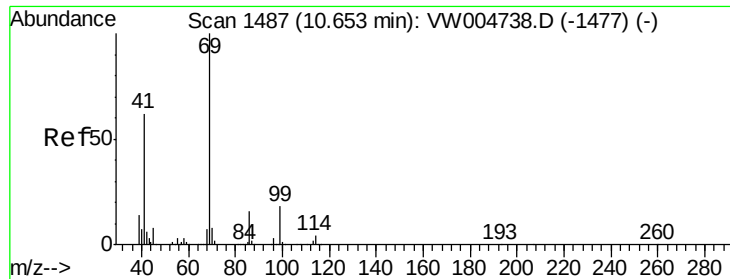
100 63.9 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#56

Ethyl methacrylate

Concen: 2.989 ug/l

RT: 10.70 min Scan# 1494

Delta R.T. 0.04 min

Lab File: VW004871.D

Acq: 22 Aug 2018 06:11

Instrument :

MSVOA_W

ClientSampleId :

Y-1802

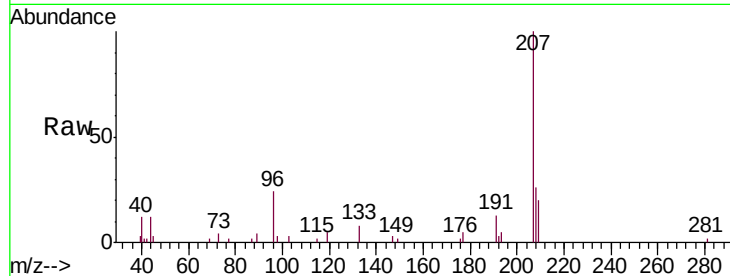
Tgt Ion: 69 Resp: 47

Ion Ratio Lower Upper

69 100

41 202.1 50.7 76.1#

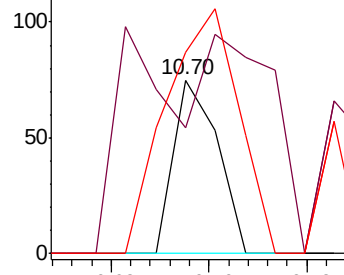
39 231.9 21.4 32.2#



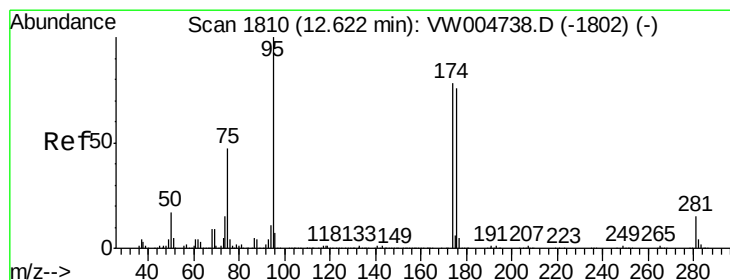
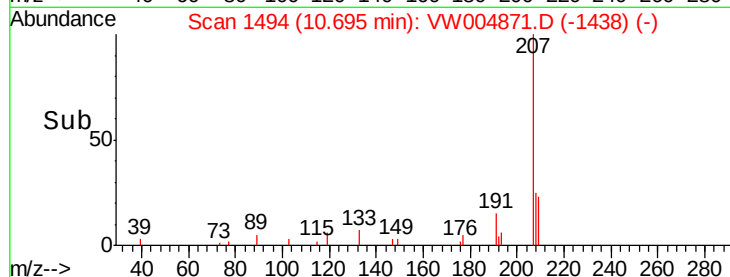
Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



Time-->



#62

4-Bromofluorobenzene

Concen: 47.512 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004871.D

Acq: 22 Aug 2018 06:11

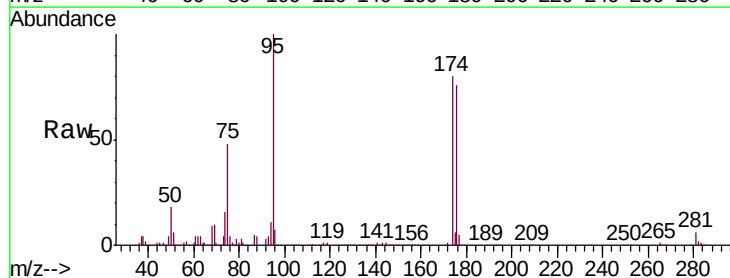
Tgt Ion: 95 Resp: 335001

Ion Ratio Lower Upper

95 100

174 84.2 0.0 165.8

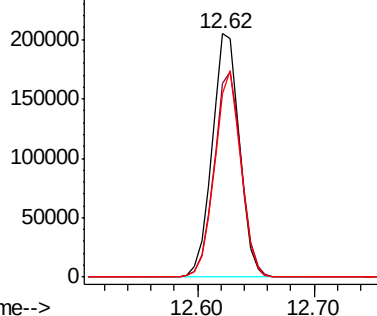
176 81.3 0.0 159.8



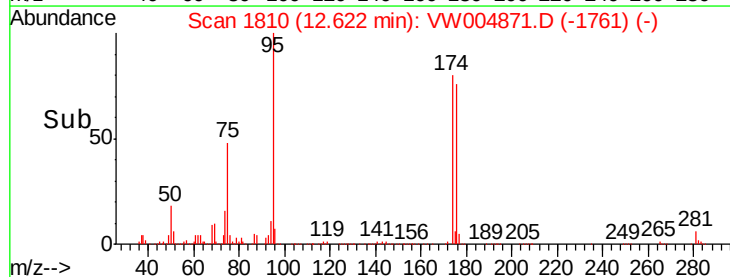
Abundance Ion 94.90 (94.60 to 95.60): VW

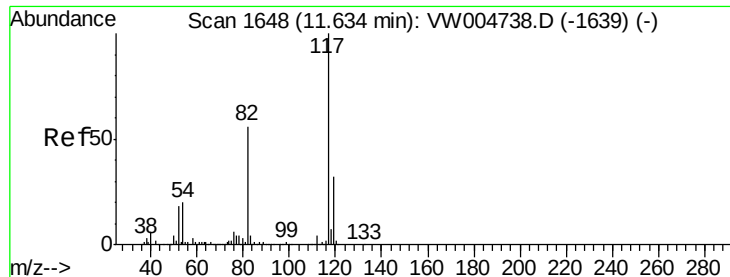
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

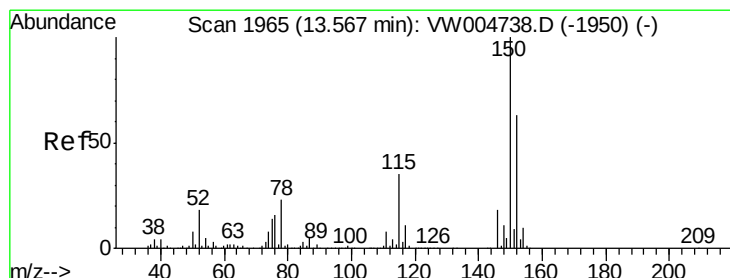
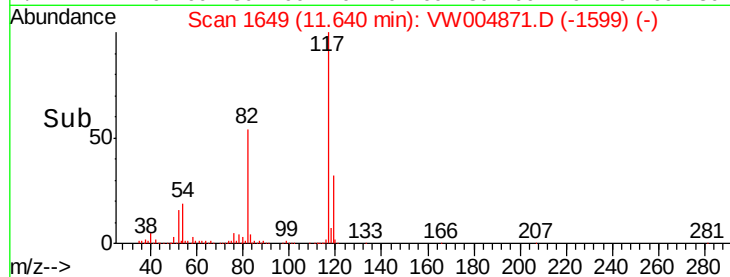
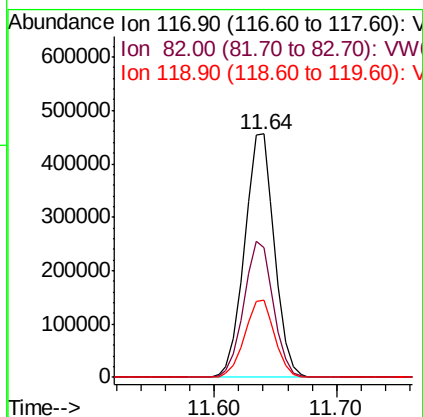
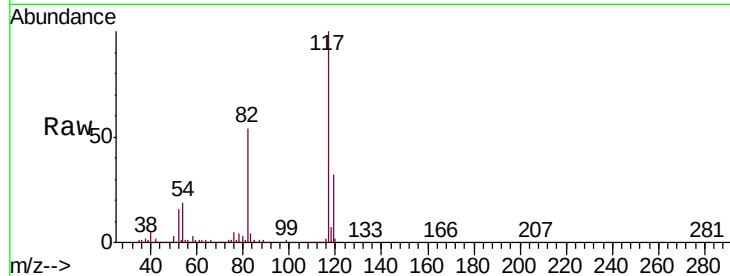




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.01 min
Lab File: VW004871.D
Acq: 22 Aug 2018 06:11

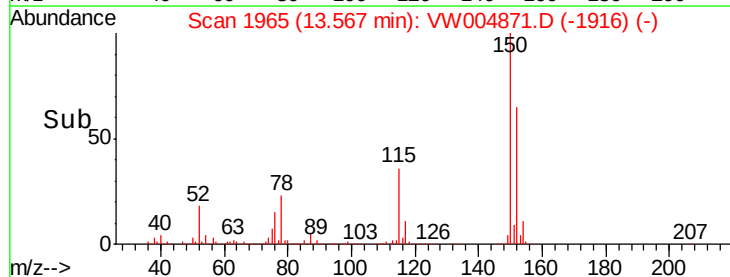
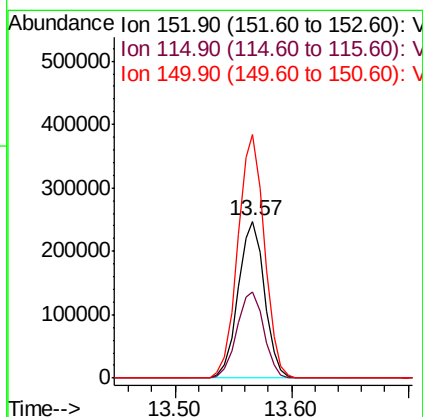
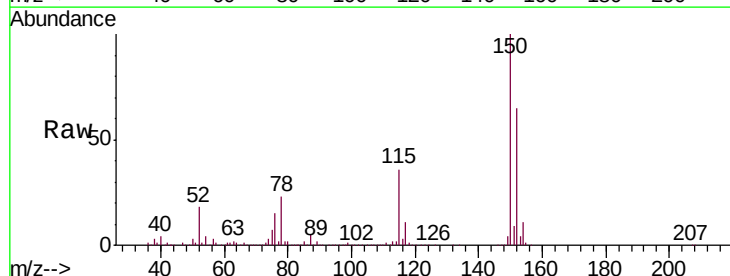
Instrument :
MSVOA_W
ClientSampleId :
Y-1802

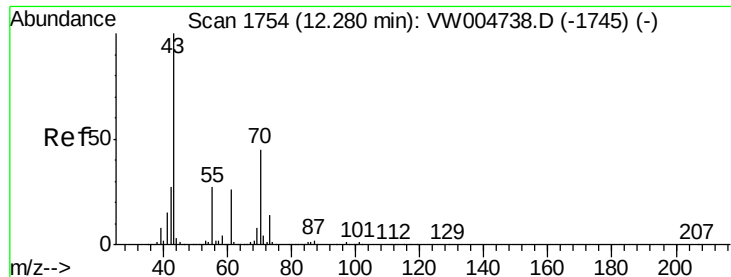
Tgt Ion:117 Resp: 771815
Ion Ratio Lower Upper
117 100
82 53.5 44.6 67.0
119 31.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004871.D
Acq: 22 Aug 2018 06:11

Tgt Ion:152 Resp: 389476
Ion Ratio Lower Upper
152 100
115 56.6 28.5 85.5
150 156.3 0.0 344.8





#74

N-ethyl acetate

Concen: 4.524 ug/l

RT: 12.24 min Scan# 1748

Delta R.T. -0.04 min

Lab File: VW004871.D

Acq: 22 Aug 2018 06:11

Instrument :

MSVOA_W

ClientSampled :

Y-1802

Tgt Ion: 43 Resp: 3406

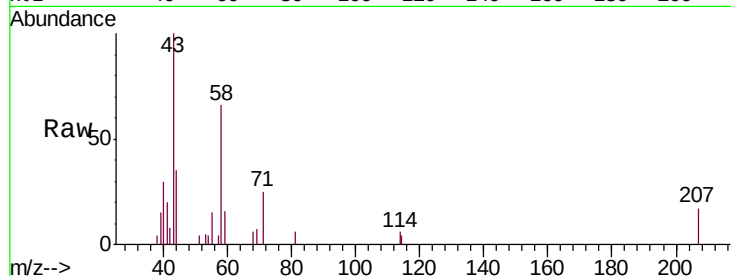
Ion Ratio Lower Upper

43 100

70 0.0 36.3 54.5#

55 12.7 22.6 33.8#

61 0.0 20.2 30.4#

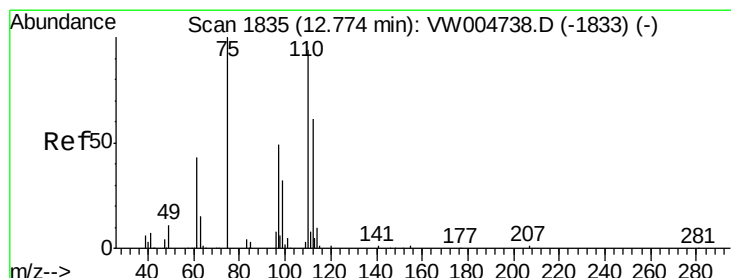
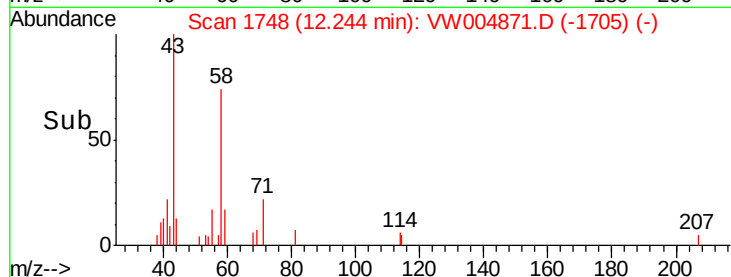
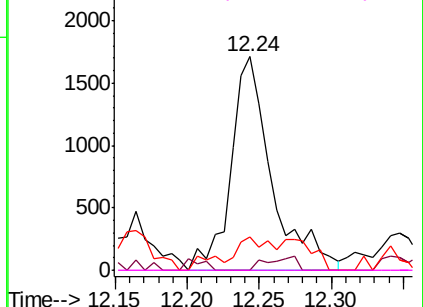


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 46.260 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004871.D

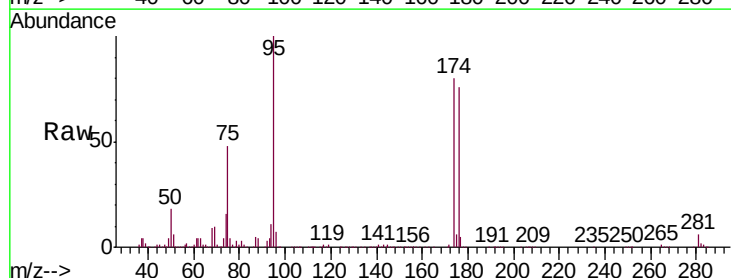
Acq: 22 Aug 2018 06:11

Tgt Ion: 75 Resp: 158825

Ion Ratio Lower Upper

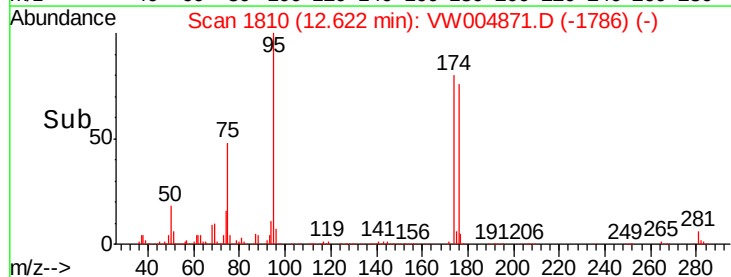
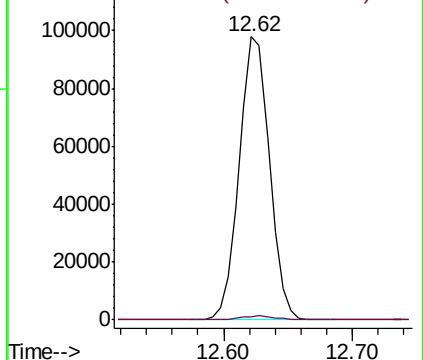
75 100

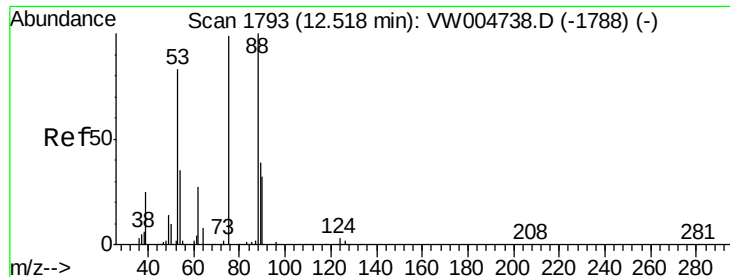
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

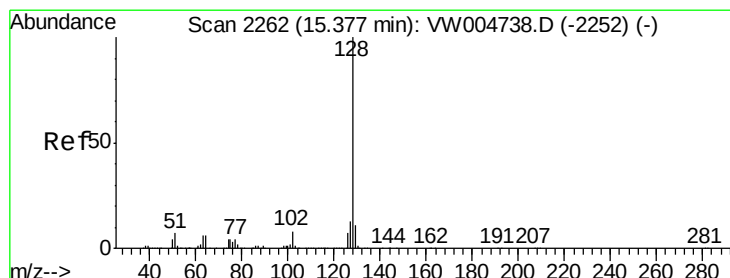
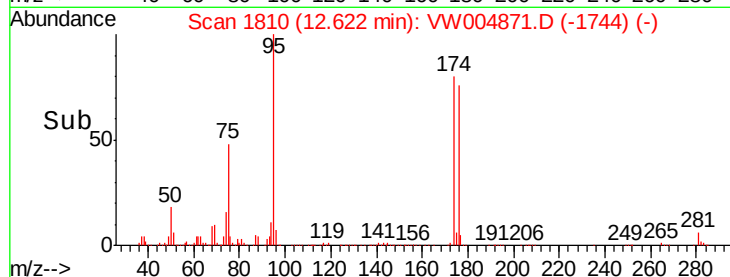
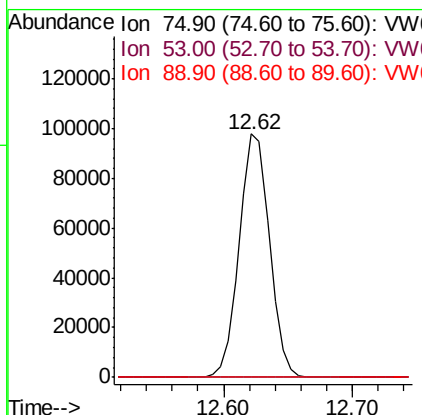
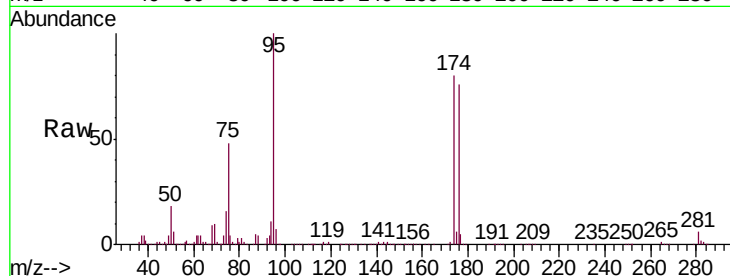




#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.521 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.10 min
 Lab File: VW004871.D
 Acq: 22 Aug 2018 06:11

Instrument :
 MSVOA_W
 ClientSampleId :
 Y-1802

Tgt Ion: 75 Resp: 158825
 Ion Ratio Lower Upper
 75 100
 53 0.2 72.2 108.4#
 89 0.0 35.2 52.8#



#95
 Naphthalene
 Concen: 3.828 ug/l
 RT: 15.38 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VW004871.D
 Acq: 22 Aug 2018 06:11

Tgt Ion: 128 Resp: 5539
 Ion Ratio Lower Upper
 128 100
 127 15.6 10.4 15.6
 129 12.9 8.6 13.0

