

Data File : VW004849.D
Acq On : 21 Aug 2018 18:36
Operator : SY/AP
Sample : J4551-01
Misc : 6.73G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-02-51-51.5

Quant Time: Aug 22 05:20:00 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	640239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1077616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1034701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	520382	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	318121	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
35) Dibromofluoromethane	7.89	113	308494	44.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.58%	
50) Toluene-d8	10.33	98	1160733	43.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.34%	
62) 4-Bromofluorobenzene	12.62	95	399715	41.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.66%	

Target Compounds

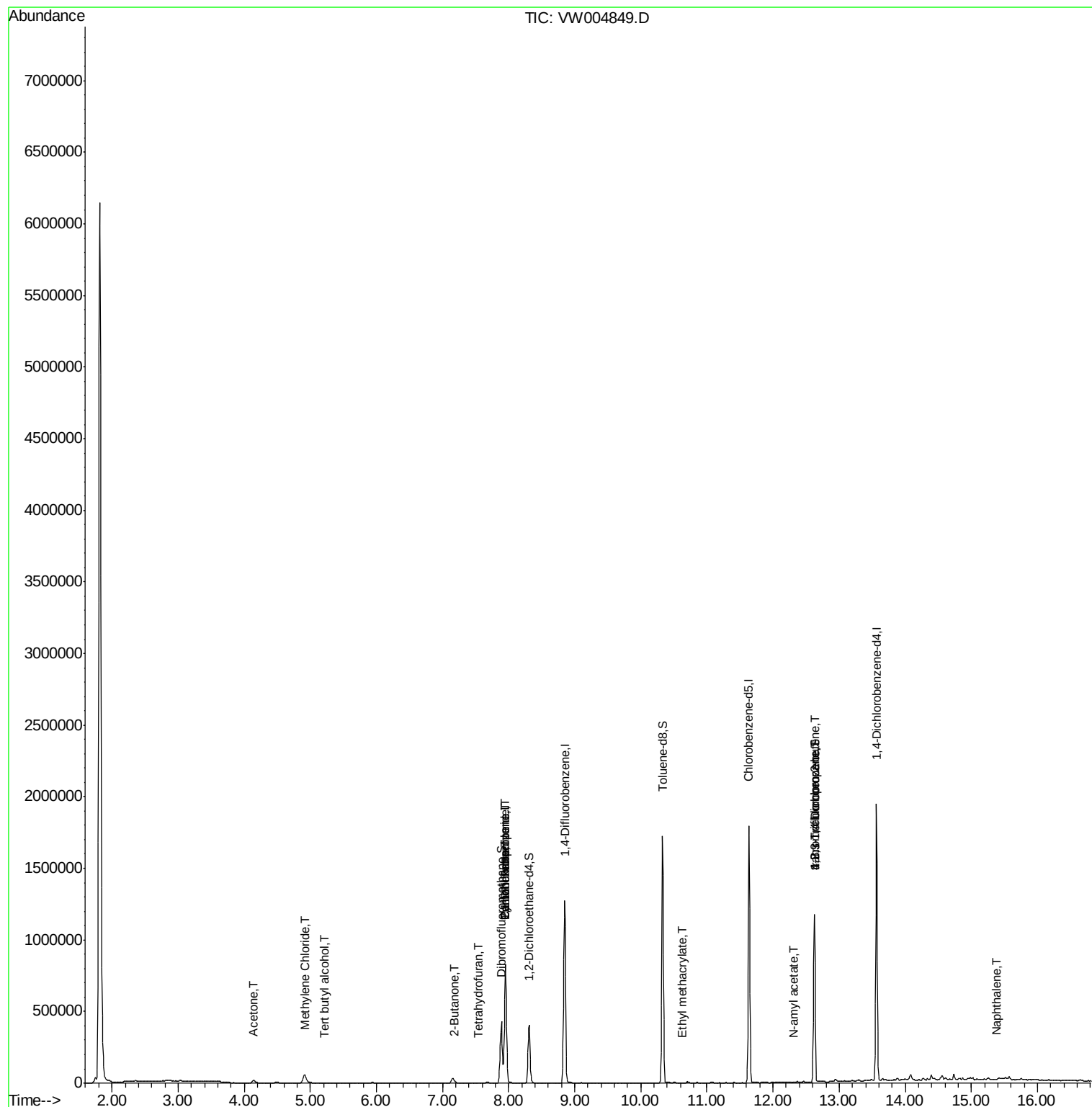
						Qvalue
11) Tert butyl alcohol	5.21	59	448	1.295	ug/l #	85
16) Acetone	4.14	43	31283	19.798	ug/l	93
20) Methylene Chloride	4.92	84	50985	3.011	ug/l	99
25) 2-Butanone	7.19	43	4382	1.946	ug/l	95
29) Tetrahydrofuran	7.54	42	1497	1.304	ug/l #	76
31) Cyclohexane	7.95	56	12587	1.041	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	47340	4.264	ug/l #	49
38) Carbon Tetrachloride	7.95	117	59288	5.802	ug/l #	15
56) Ethyl methacrylate	10.63	69	273	3.016	ug/l #	39
74) N-amyl acetate	12.30	43	135	4.034	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	189586	41.329	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	189586	96.059	ug/l #	14
95) Naphthalene	15.38	128	1550	3.575	ug/l #	73

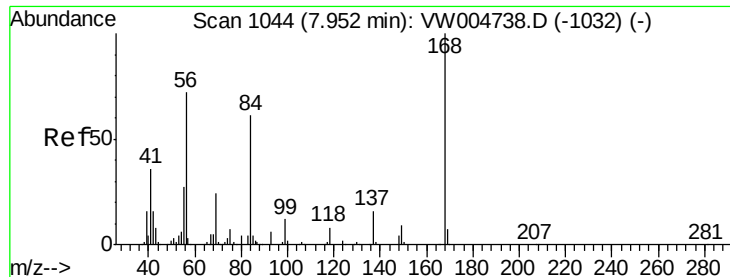
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW004849.D

Acq: 21 Aug 2018 18:36

Instrument :

MSVOA_W

ClientSampleId :

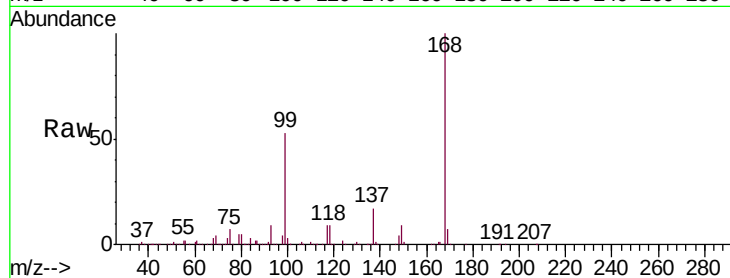
TOD1-SB-02-51-51.5

Tgt Ion:168 Resp: 640239

Ion Ratio Lower Upper

168 100

99 53.3 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

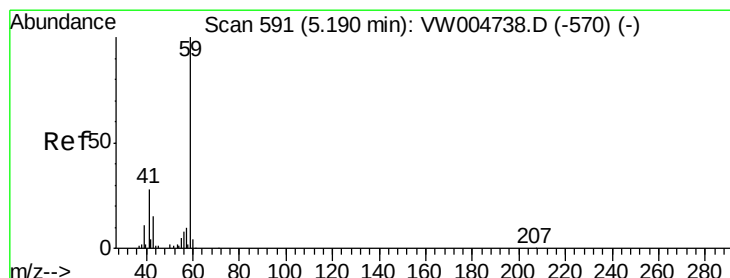
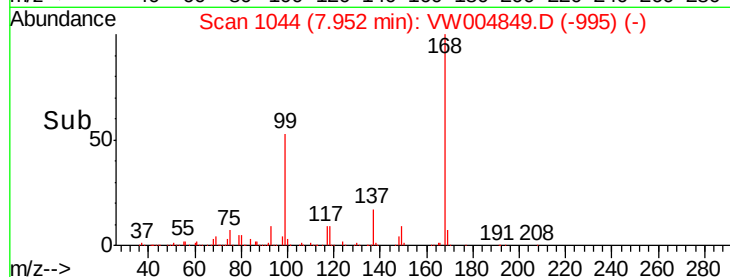
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.295 ug/l

RT: 5.21 min Scan# 595

Delta R.T. 0.02 min

Lab File: VW004849.D

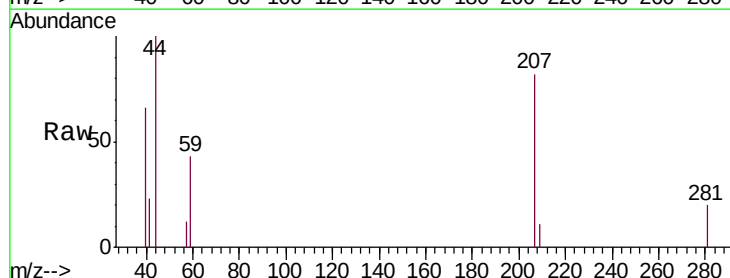
Acq: 21 Aug 2018 18:36

Tgt Ion: 59 Resp: 448

Ion Ratio Lower Upper

59 100

57 4.9 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

250

200

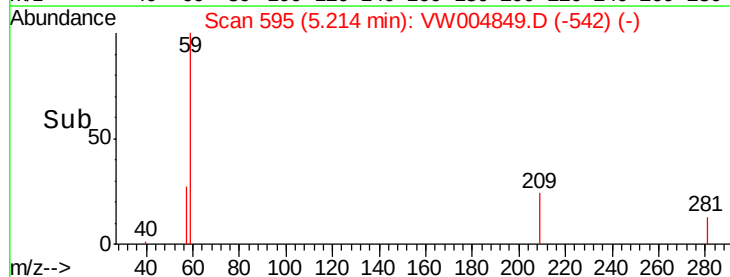
150

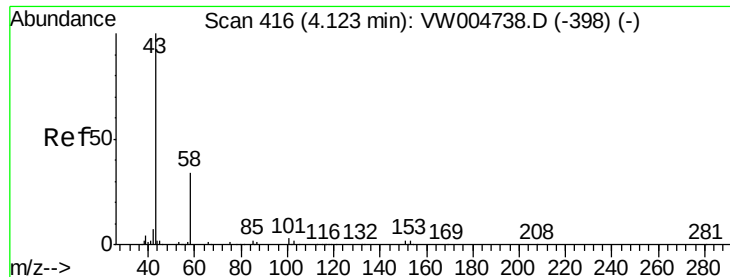
100

50

0

Time-->





#16

Acetone

Concen: 19.798 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.02 min

Lab File: VW004849.D

Acq: 21 Aug 2018 18:36

Instrument :

MSVOA_W

ClientSampleId :

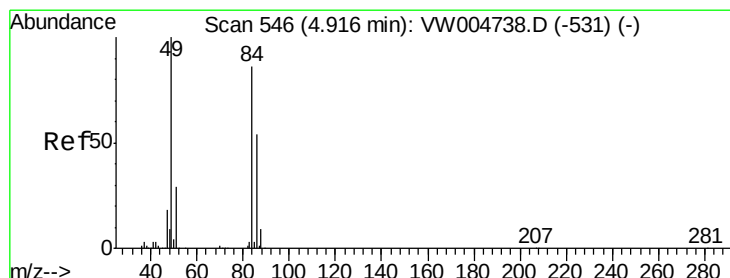
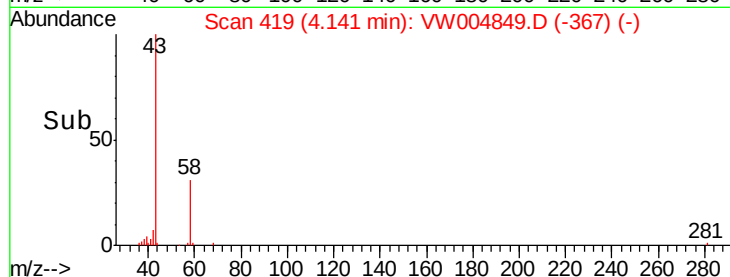
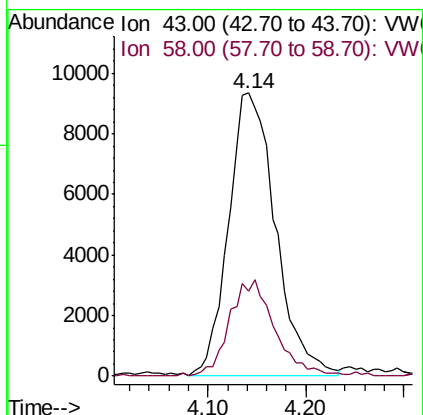
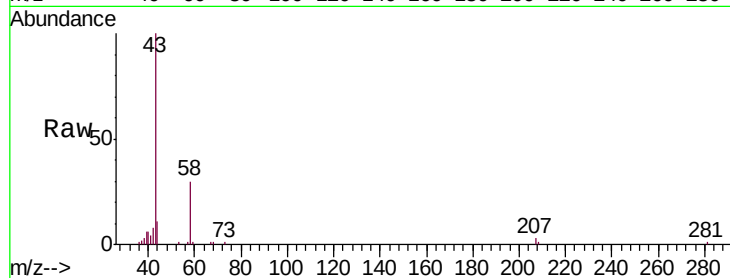
TOD1-SB-02-51-51.5

Tgt Ion: 43 Resp: 31283

Ion Ratio Lower Upper

43 100

58 30.2 27.3 40.9



#20

Methylene Chloride

Concen: 3.011 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.00 min

Lab File: VW004849.D

Acq: 21 Aug 2018 18:36

Tgt Ion: 84 Resp: 50985

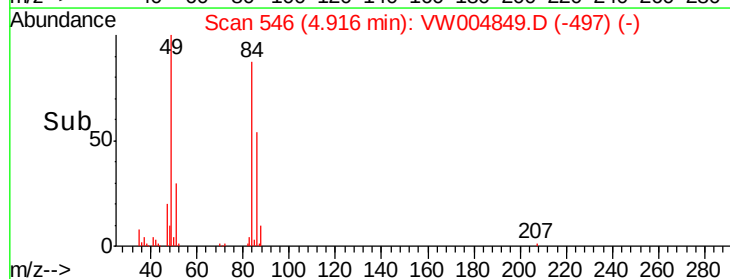
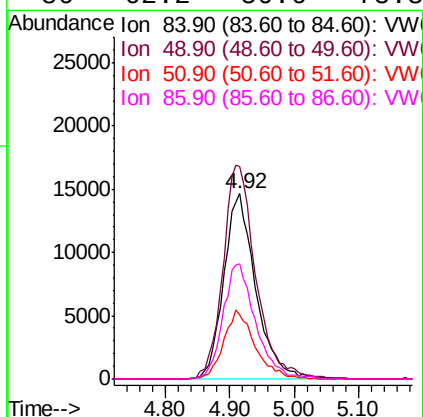
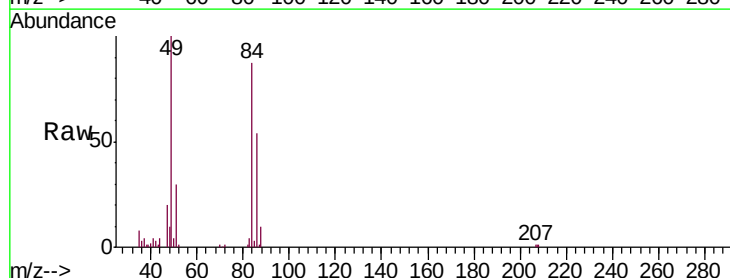
Ion Ratio Lower Upper

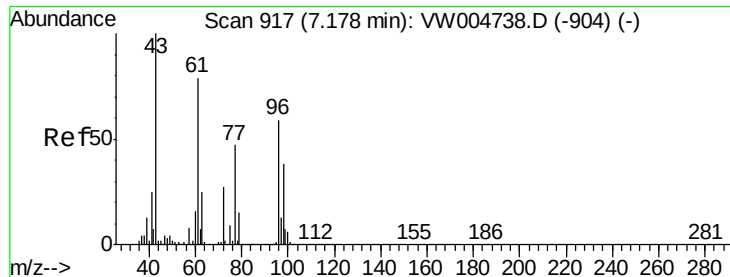
84 100

49 114.8 93.2 139.8

51 34.7 27.4 41.0

86 62.2 50.6 75.8

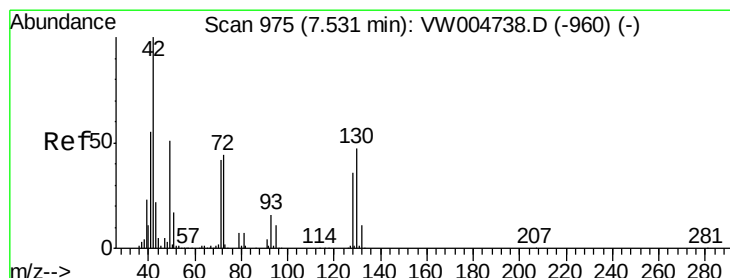
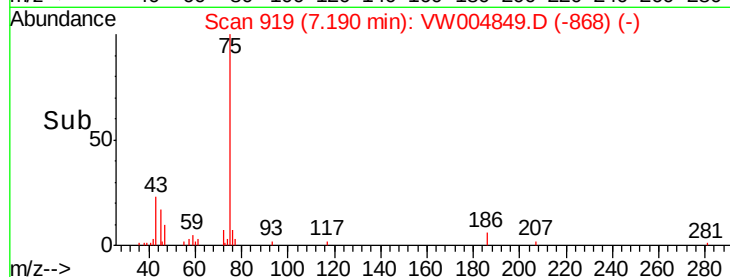
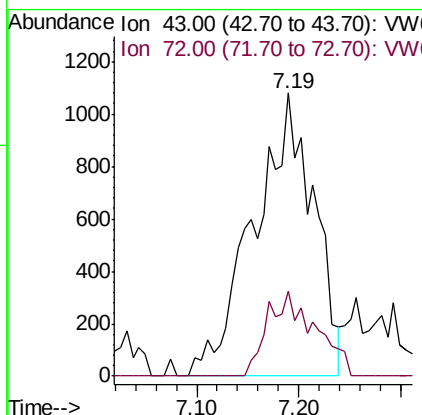
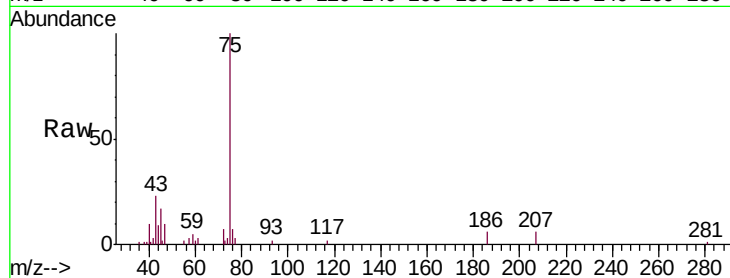




#25
 2-Butanone
 Concen: 1.946 ug/l
 RT: 7.19 min Scan# 919
 Delta R.T. 0.01 min
 Lab File: VW004849.D
 Acq: 21 Aug 2018 18:36

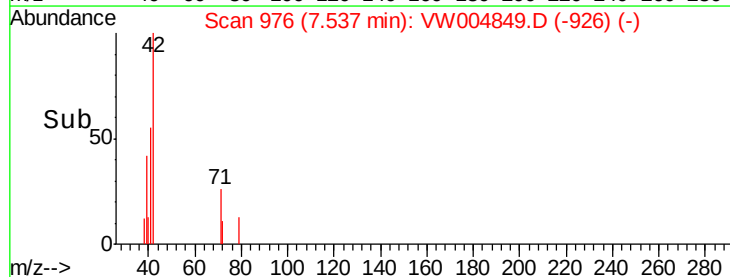
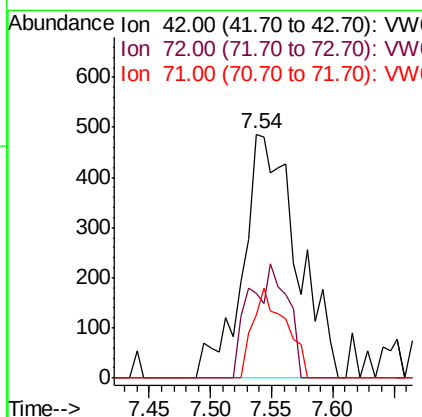
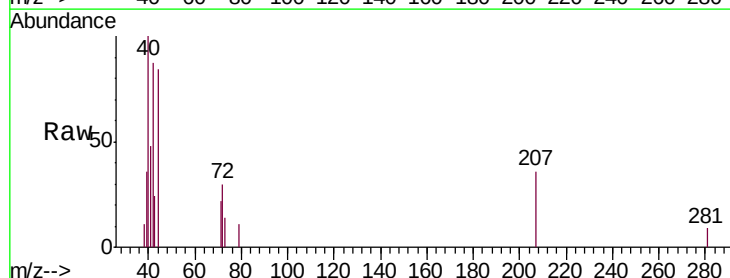
Instrument :
 MSVOA_W
 ClientSampleId :
 TOD1-SB-02-51-51.5

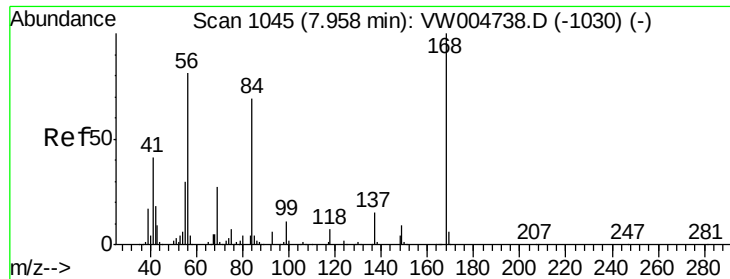
Tgt Ion: 43 Resp: 4382
 Ion Ratio Lower Upper
 43 100
 72 29.9 22.0 33.0



#29
 Tetrahydrofuran
 Concen: 1.304 ug/l
 RT: 7.54 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VW004849.D
 Acq: 21 Aug 2018 18:36

Tgt Ion: 42 Resp: 1497
 Ion Ratio Lower Upper
 42 100
 72 32.5 34.9 52.3#
 71 22.4 33.8 50.6#

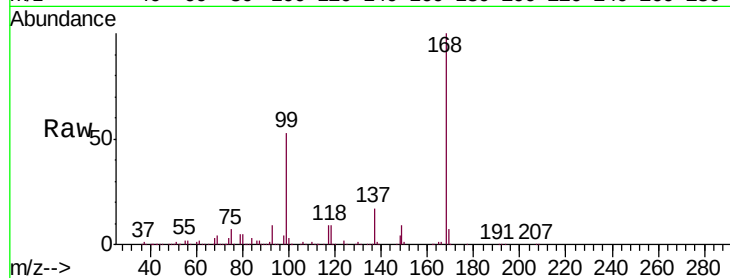




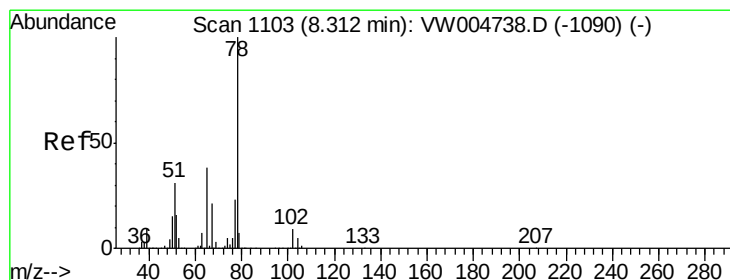
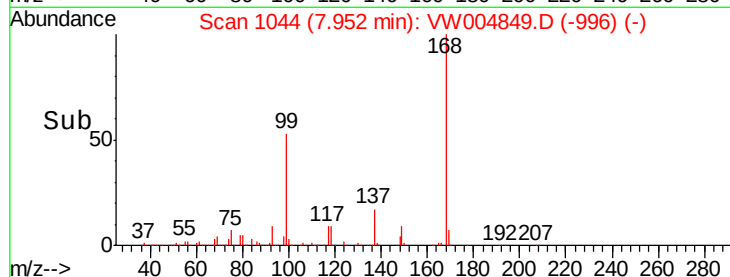
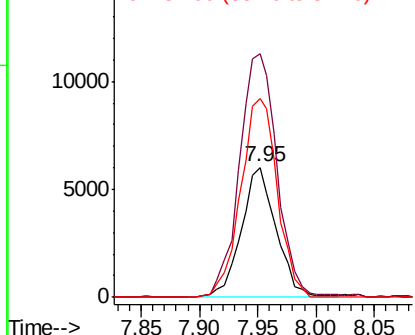
#31
Cyclohexane
Concen: 1.041 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004849.D
Acq: 21 Aug 2018 18:36

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-02-51-51.5

Tgt Ion: 56 Resp: 12587
Ion Ratio Lower Upper
56 100
69 187.3 27.1 40.7#
84 152.8 68.3 102.5#

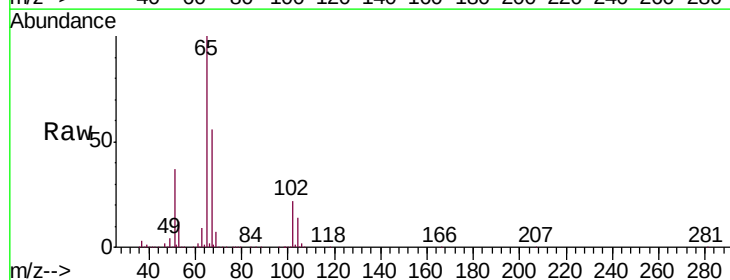


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

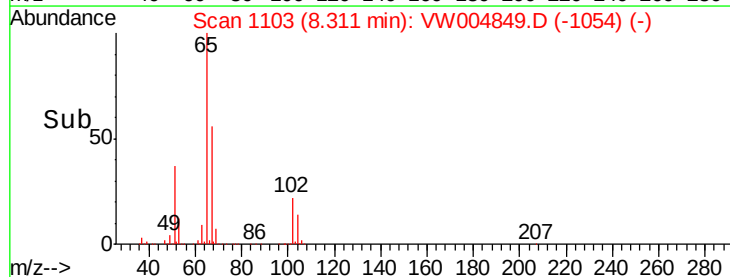
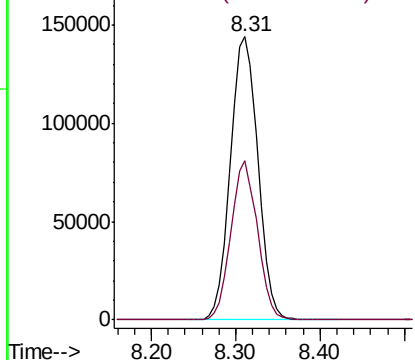


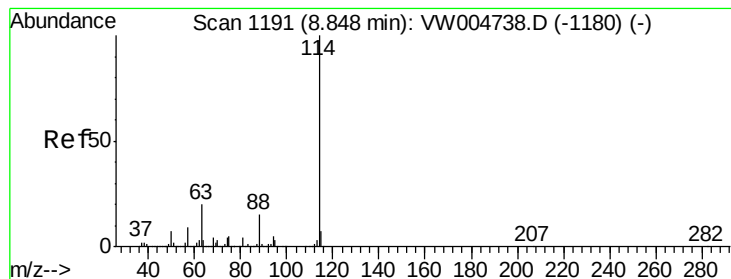
#33
1,2-Dichloroethane-d4
Concen: 51.394 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. -0.00 min
Lab File: VW004849.D
Acq: 21 Aug 2018 18:36

Tgt Ion: 65 Resp: 318121
Ion Ratio Lower Upper
65 100
67 54.3 0.0 109.4



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# 1191

Delta R.T. -0.00 min

Lab File: VW004849.D

Acq: 21 Aug 2018 18:36

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-02-51-51.5

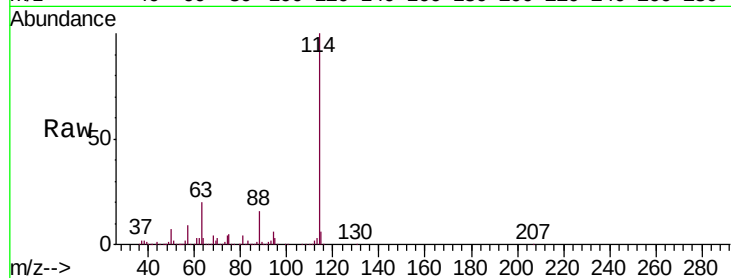
Tgt Ion:114 Resp: 1077616

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

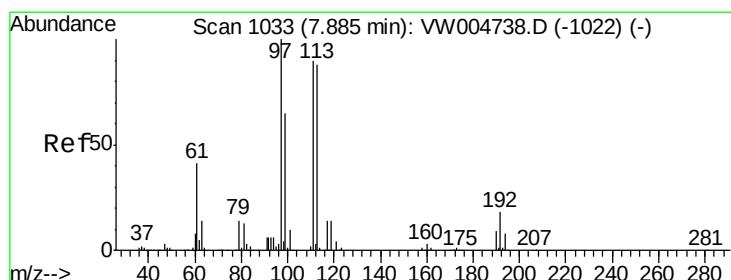
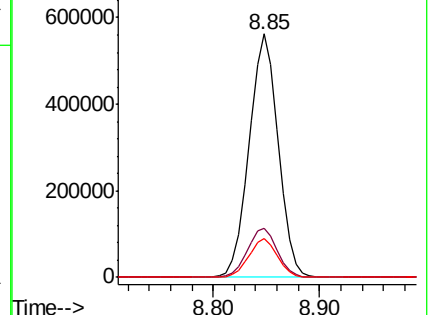
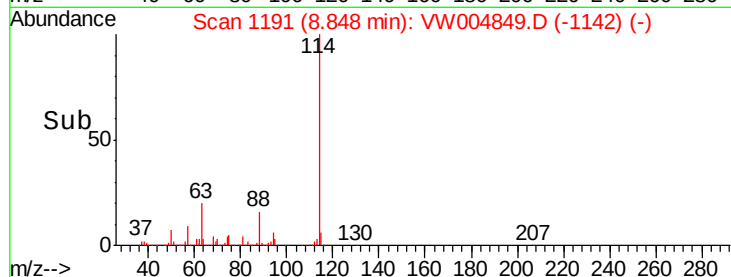
88 15.9 0.0 30.0



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: 44.791 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW004849.D

Acq: 21 Aug 2018 18:36

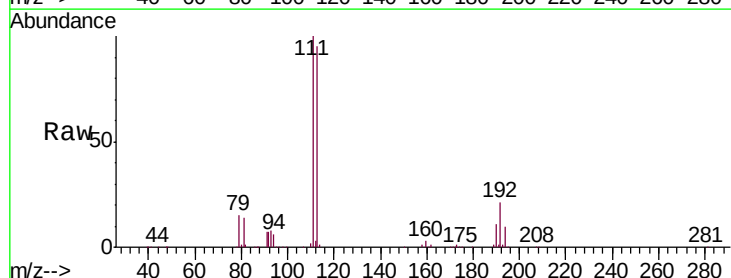
Tgt Ion:113 Resp: 308494

Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

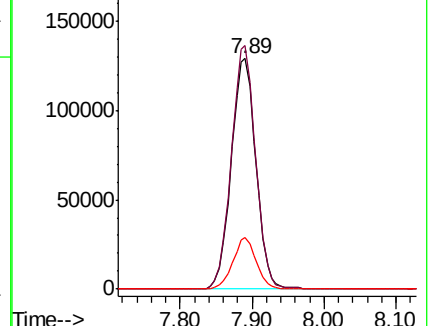
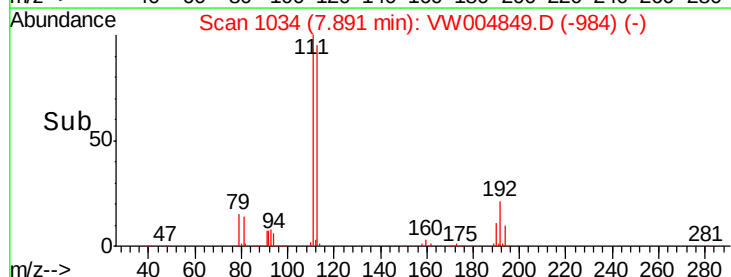
192 21.1 16.7 25.1

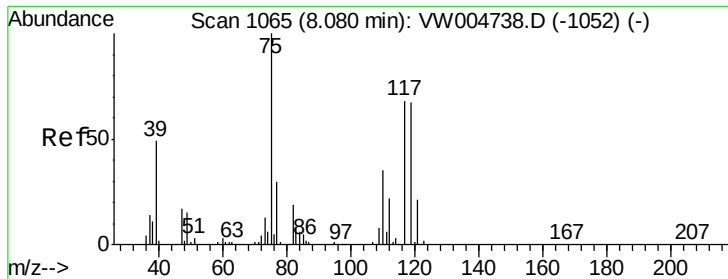


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

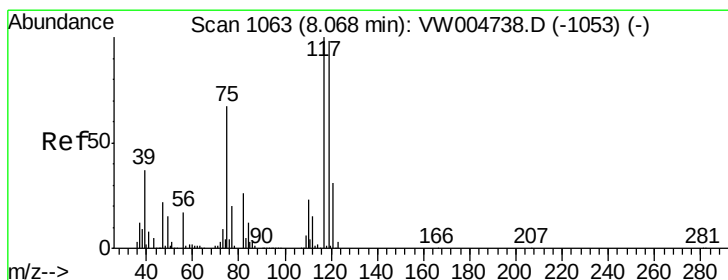
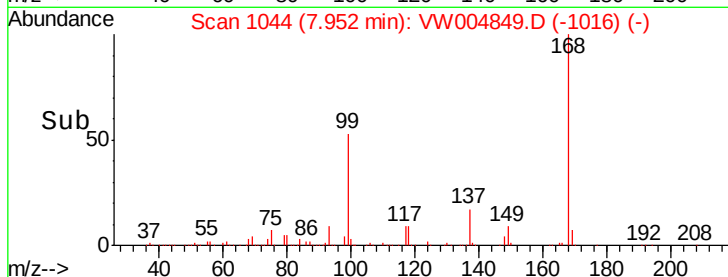
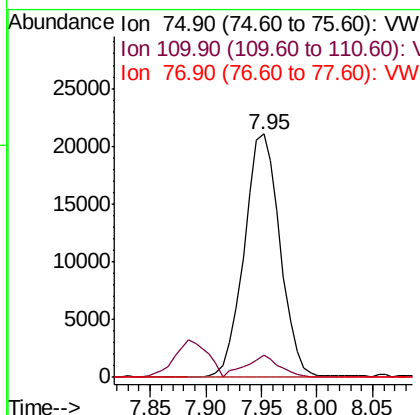
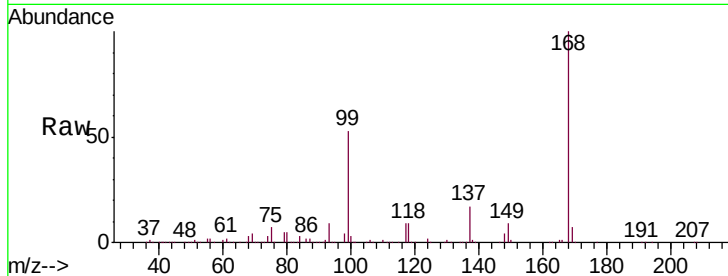




#36
 1,1-Dichloropropene
 Concen: 4.264 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004849.D
 Acq: 21 Aug 2018 18:36

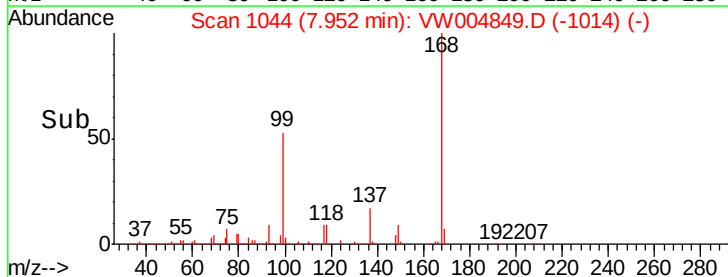
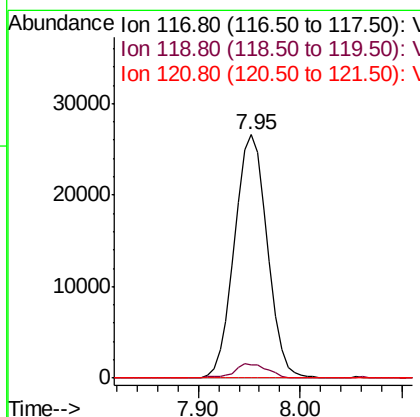
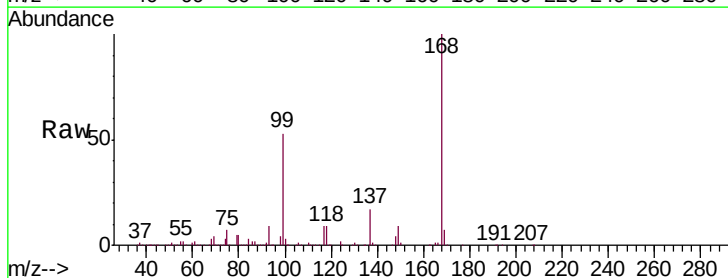
Instrument :
 MSVOA_W
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 TOD1-SB-02-51-51.5

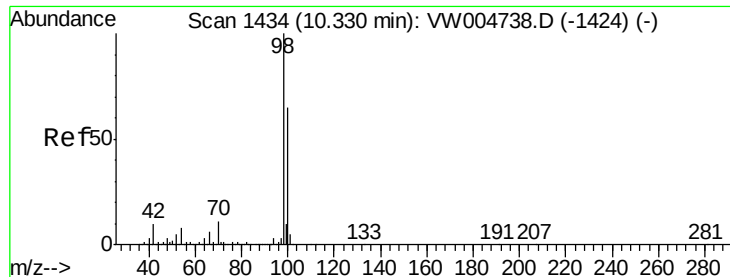
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.8	53.5#
77	0.1	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.802 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW004849.D
 Acq: 21 Aug 2018 18:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	78.0	117.0#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 43.173 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004849.D

Acq: 21 Aug 2018 18:36

Instrument :

MSVOA_W

ClientSampleId :

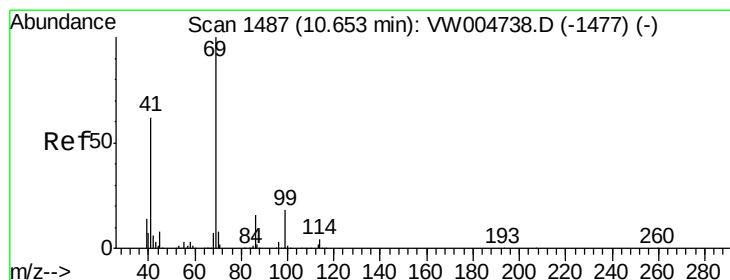
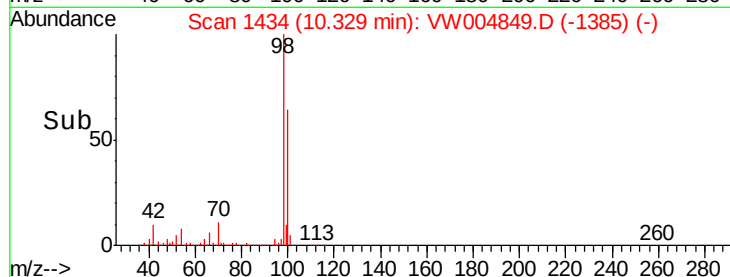
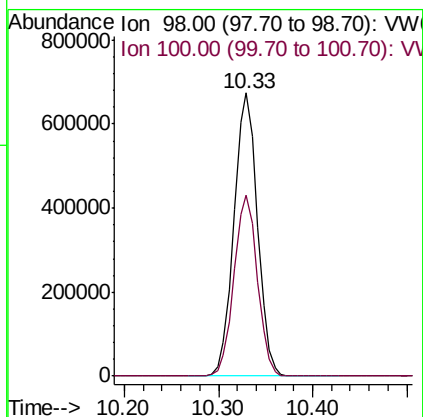
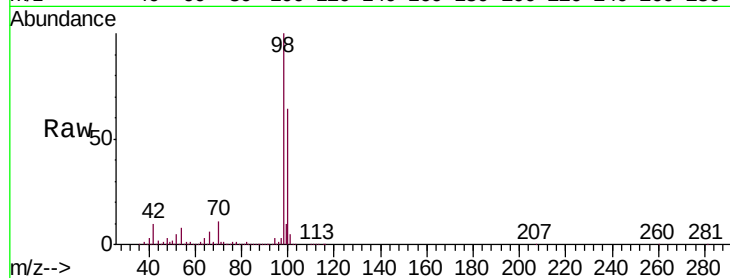
TOD1-SB-02-51-51.5

Tgt Ion: 98 Resp: 1160733

Ion Ratio Lower Upper

98 100

100 63.7 51.8 77.8



#56

Ethyl methacrylate

Concen: 3.016 ug/l

RT: 10.63 min Scan# 1483

Delta R.T. -0.02 min

Lab File: VW004849.D

Acq: 21 Aug 2018 18:36

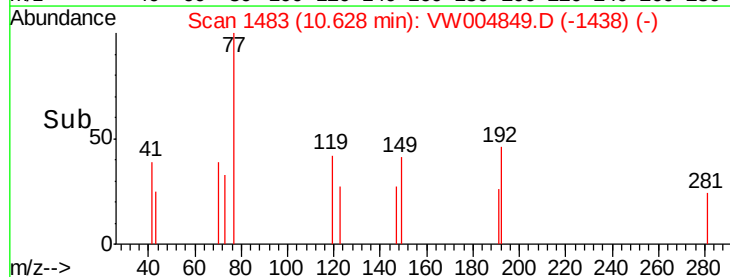
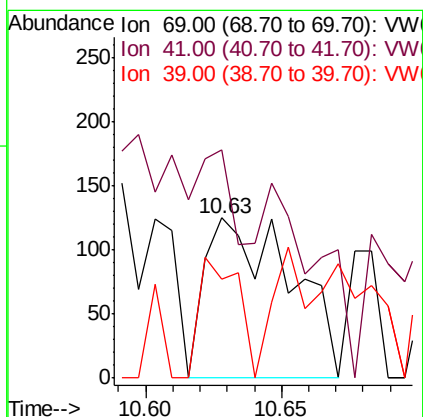
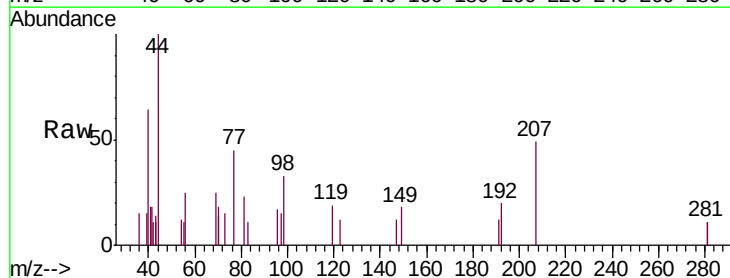
Tgt Ion: 69 Resp: 273

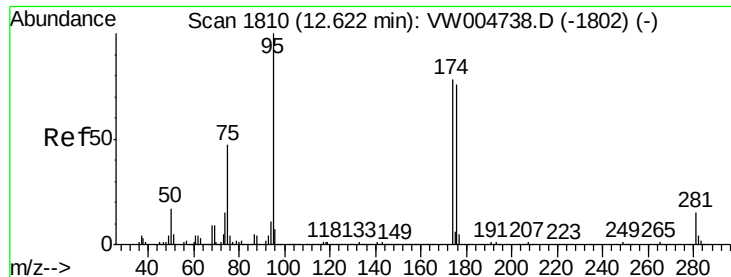
Ion Ratio Lower Upper

69 100

41 0.0 50.7 76.1#

39 34.1 21.4 32.2#

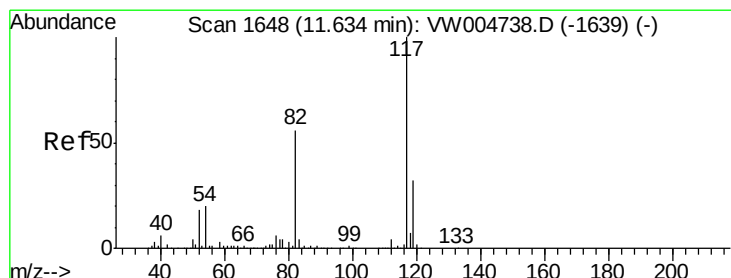
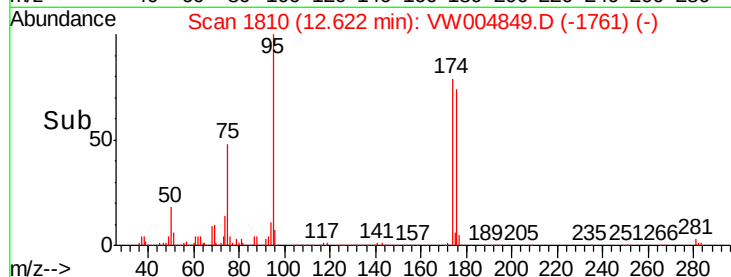
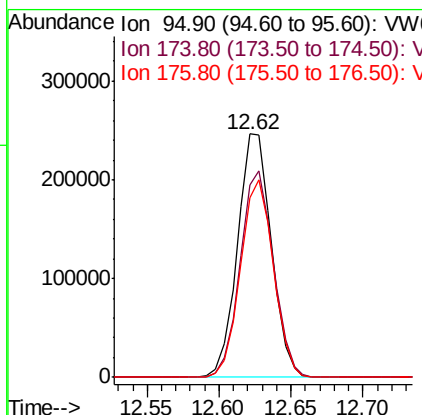
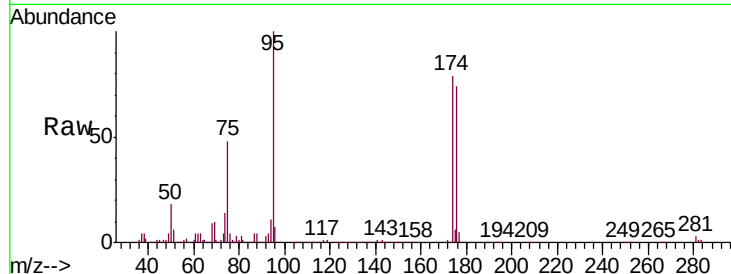




#62
4-Bromofluorobenzene
Concen: 41.325 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW004849.D
Acq: 21 Aug 2018 18:36

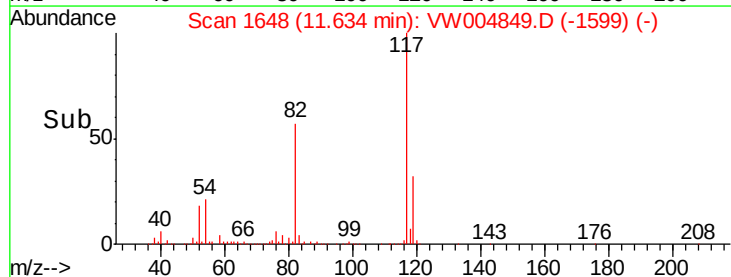
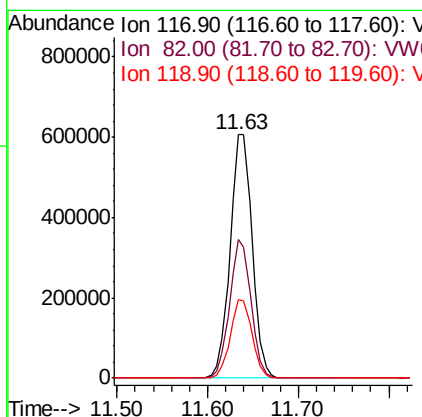
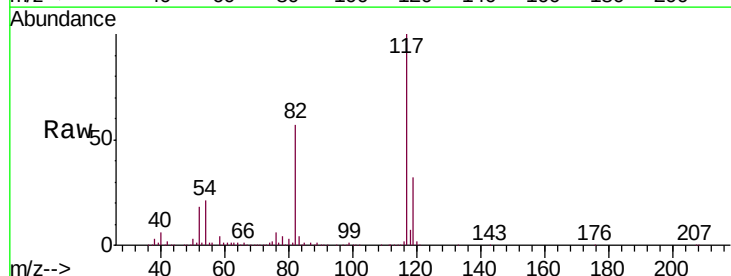
Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-02-51-51.5

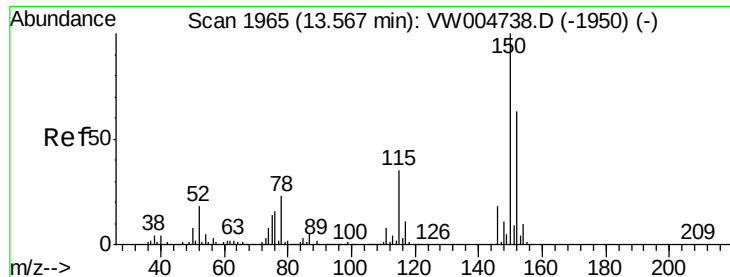
Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	165.8
176	79.3	0.0	159.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004849.D
Acq: 21 Aug 2018 18:36

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.1	44.6	67.0
119	32.3	25.6	38.4

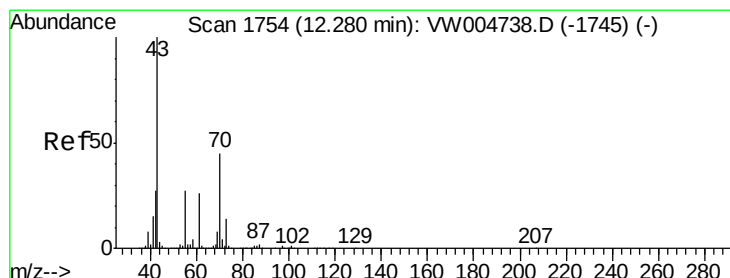
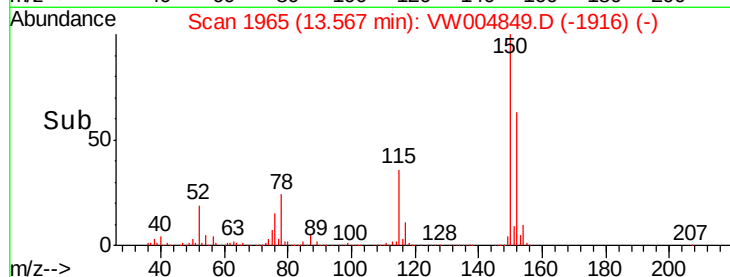
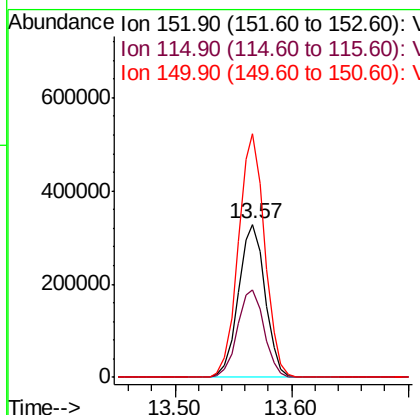
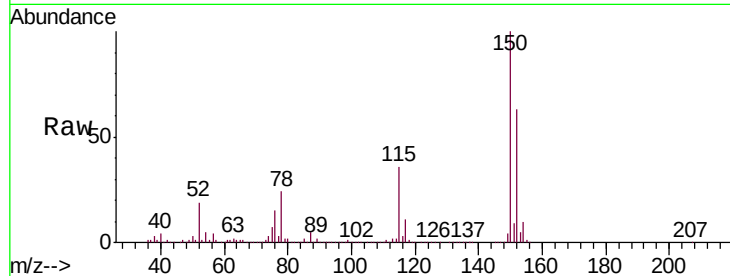




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: VW004849.D
 Acq: 21 Aug 2018 18:36

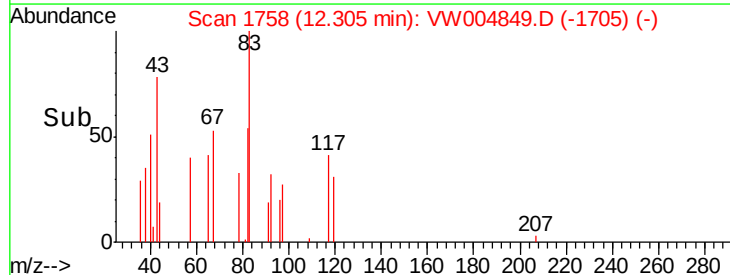
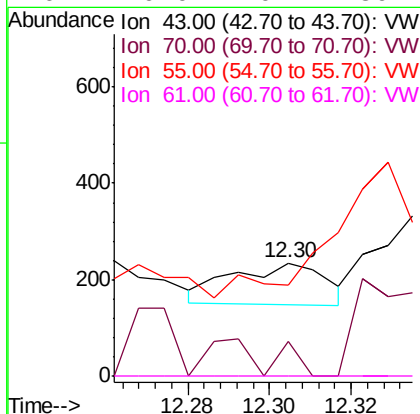
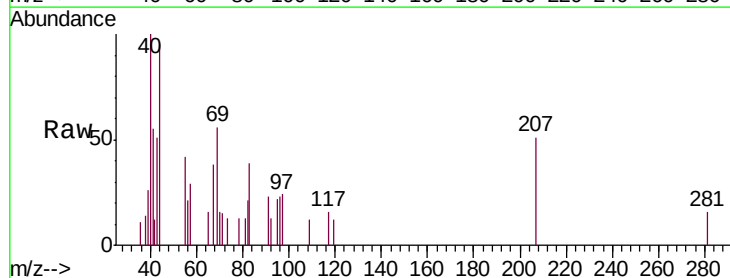
Instrument :
 MSVOA_W
 ClientSampleId :
 TOD1-SB-02-51-51.5

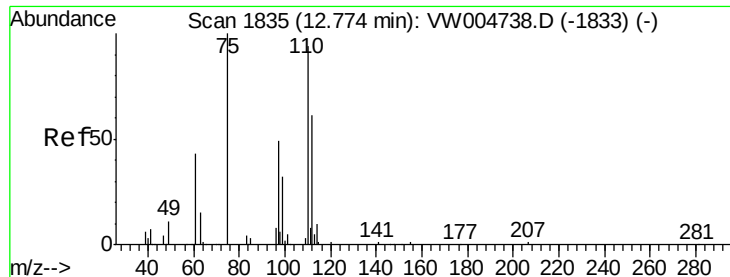
Tgt Ion:152 Resp: 520382
 Ion Ratio Lower Upper
 152 100
 115 57.7 28.5 85.5
 150 157.6 0.0 344.8



#74
 N-ethyl acetate
 Concen: 4.034 ug/l
 RT: 12.30 min Scan# 1758
 Delta R.T. 0.02 min
 Lab File: VW004849.D
 Acq: 21 Aug 2018 18:36

Tgt Ion: 43 Resp: 135
 Ion Ratio Lower Upper
 43 100
 70 0.0 36.3 54.5#
 55 0.0 22.6 33.8#
 61 0.0 20.2 30.4#





#76

1,2,3-Trichloropropane

Concen: 41.329 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004849.D

Acq: 21 Aug 2018 18:36

Instrument :

MSVOA_W

ClientSampleId :

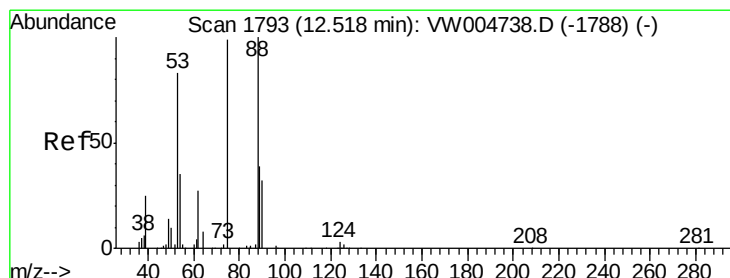
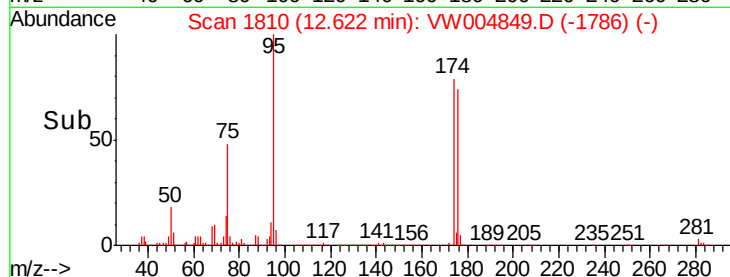
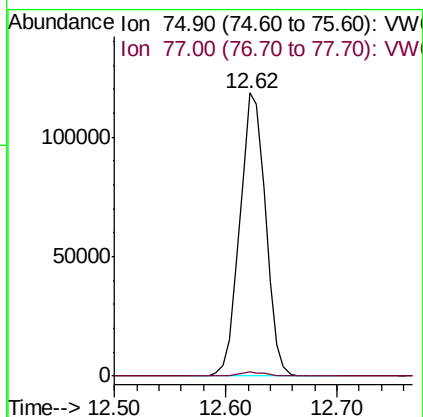
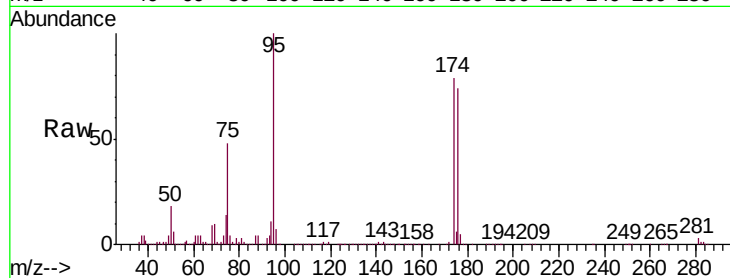
TOD1-SB-02-51-51.5

Tgt Ion: 75 Resp: 189586

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 96.059 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004849.D

Acq: 21 Aug 2018 18:36

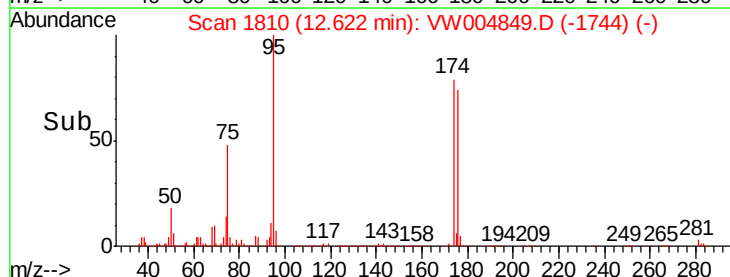
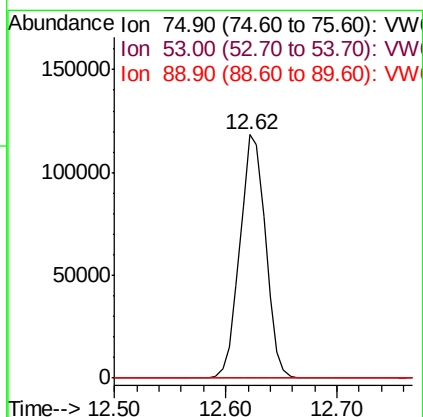
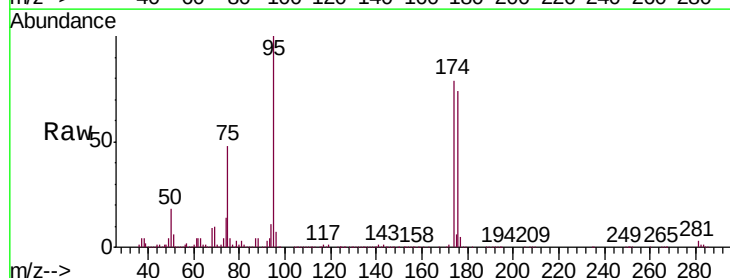
Tgt Ion: 75 Resp: 189586

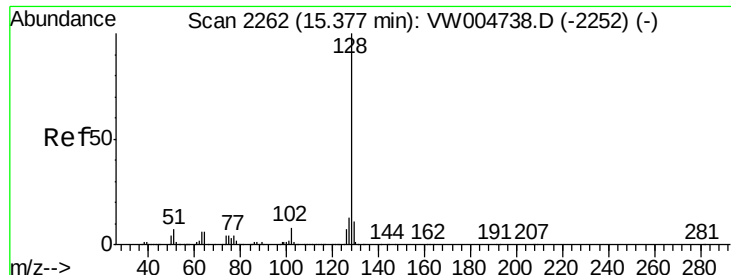
Ion Ratio Lower Upper

75 100

53 0.4 72.2 108.4#

89 0.0 35.2 52.8#





#95

Naphthalene

Concen: 3.575 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004849.D

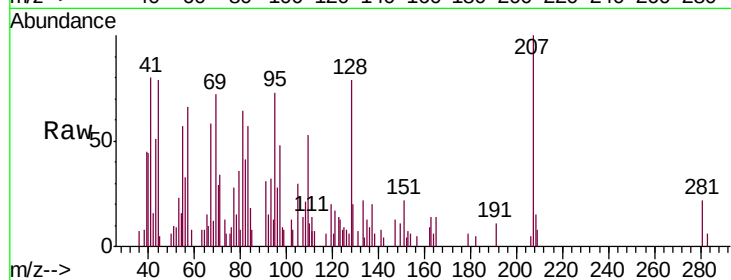
Acq: 21 Aug 2018 18:36

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-02-51-51.5



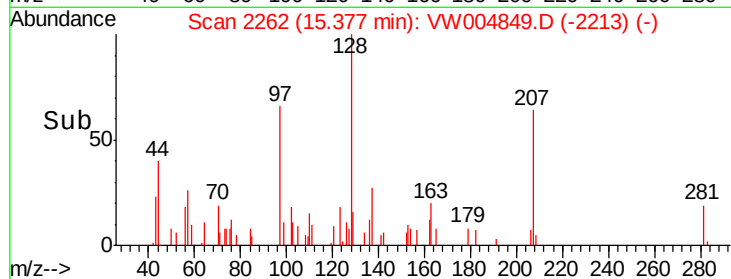
Tgt Ion:128 Resp: 1550

Ion Ratio Lower Upper

128 100

127 9.3 10.4 15.6#

129 29.0 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

