

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082018\
 Data File : VW004796.D
 Acq On : 20 Aug 2018 17:28
 Operator : SY/AP
 Sample : J4483-01
 Misc : 6.60G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TOD1-IB-8-0-2

Quant Time: Aug 21 00:56:54 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	130496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	197329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	185937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	77316	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	73485	58.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.50%	
35) Dibromofluoromethane	7.89	113	69688	55.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.52%	
50) Toluene-d8	10.33	98	238681	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
62) 4-Bromofluorobenzene	12.63	95	69089	39.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.02%	

Target Compounds

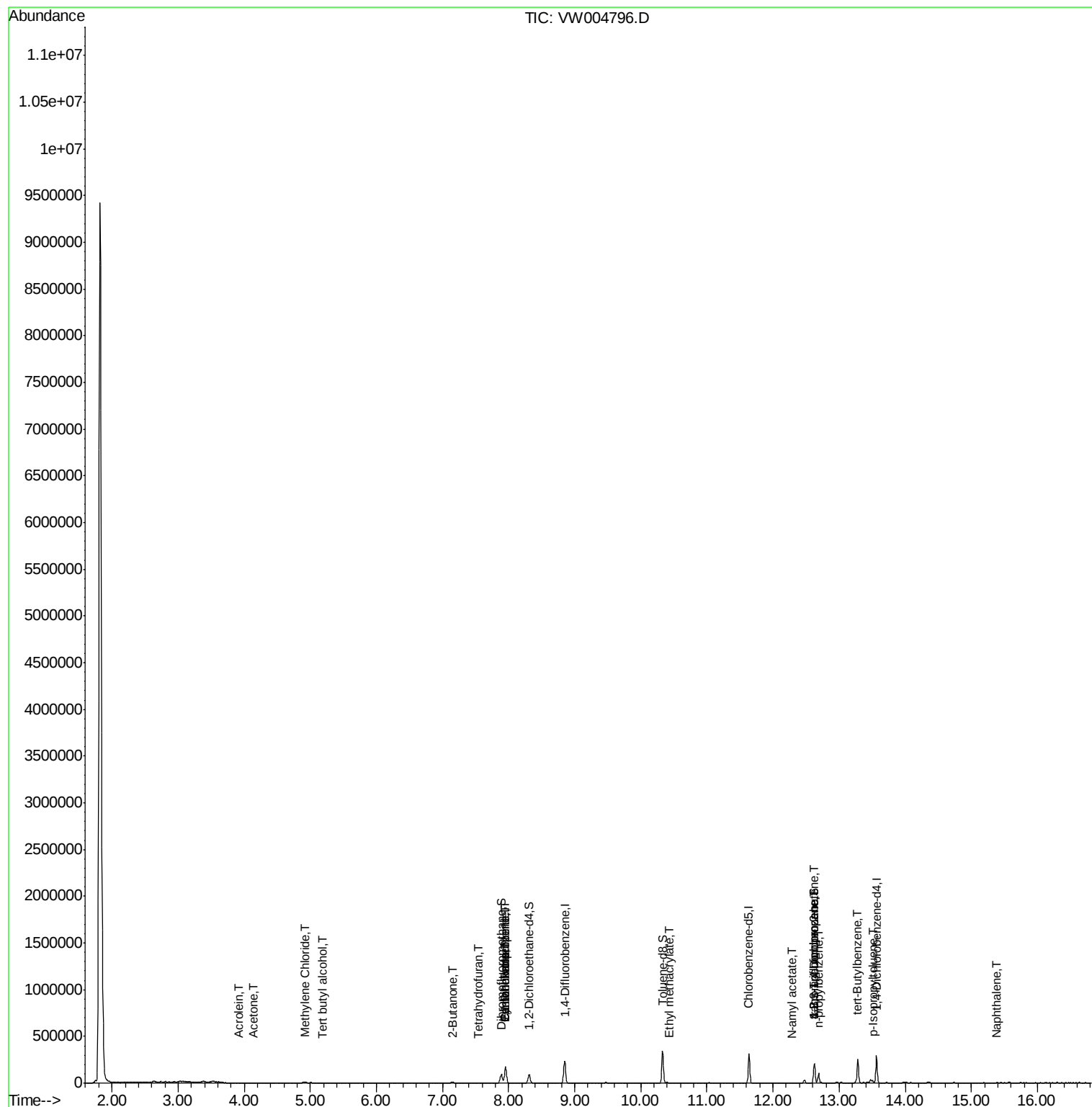
						Qvalue
11) Tert butyl alcohol	5.18	59	157	2.227	ug/l #	72
13) Acrolein	3.91	56	211	2.231	ug/l #	15
16) Acetone	4.13	43	1950	6.055	ug/l	97
20) Methylene Chloride	4.92	84	10042	2.751	ug/l	86
25) 2-Butanone	7.14	43	835	1.820	ug/l #	47
29) Tetrahydrofuran	7.55	42	293	1.252	ug/l #	33
31) Cyclohexane	7.96	56	2811	1.140	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	9781	4.811	ug/l #	44
38) Carbon Tetrachloride	7.95	117	12424	6.640	ug/l #	18
56) Ethyl methacrylate	10.43	69	71	3.030	ug/l #	1
74) N-amyl acetate	12.27	43	58	4.062	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	33536	49.205	ug/l #	100
78) n-propylbenzene	12.69	91	15495	2.414	ug/l #	58
81) trans-1,4-Dichloro-2-buten	12.62	75	33536	114.366	ug/l #	13
83) tert-Butylbenzene	13.28	119	18872	4.938	ug/l #	1
86) p-Isopropyltoluene	13.51	119	11768	2.370	ug/l	93
95) Naphthalene	15.38	128	501	3.654	ug/l #	69

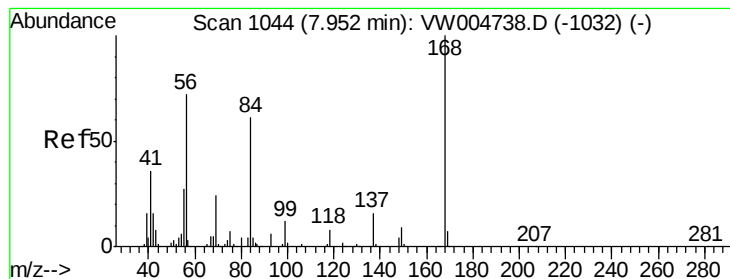
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 18 01:49:53 2018
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: VW004796.D

Acq: 20 Aug 2018 17:28

Instrument :

MSVOA_W

ClientSampleId :

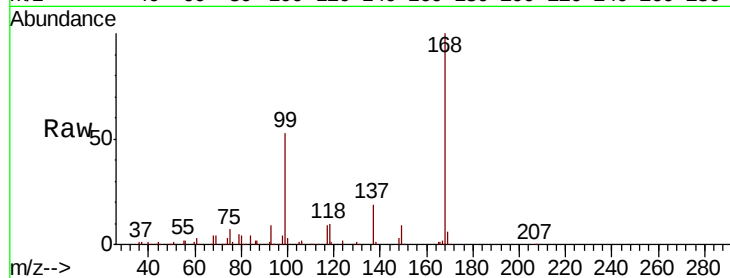
TOD1-IB-8-0-2

Tgt Ion:168 Resp: 130496

Ion Ratio Lower Upper

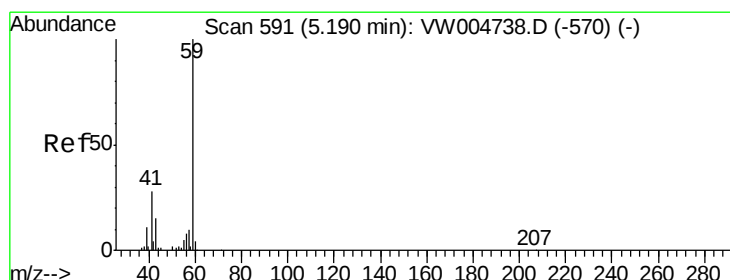
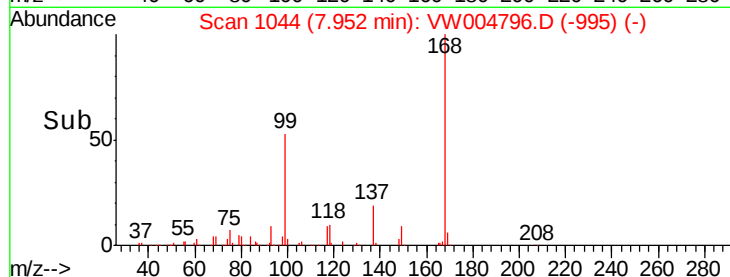
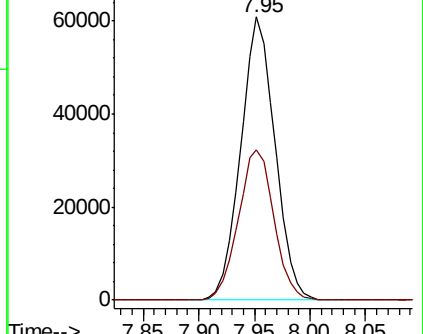
168 100

99 52.9 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.227 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.01 min

Lab File: VW004796.D

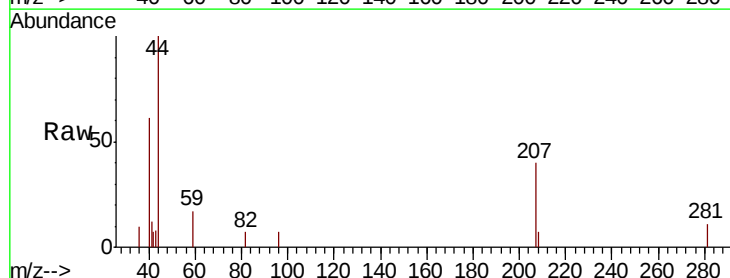
Acq: 20 Aug 2018 17:28

Tgt Ion: 59 Resp: 157

Ion Ratio Lower Upper

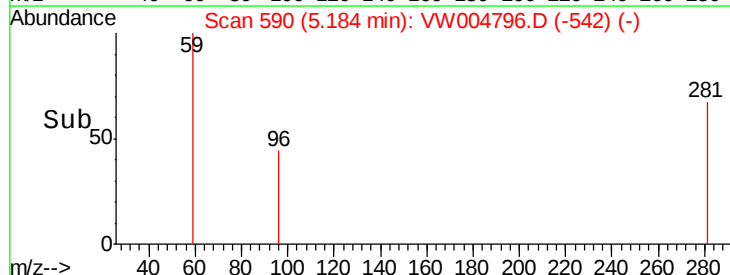
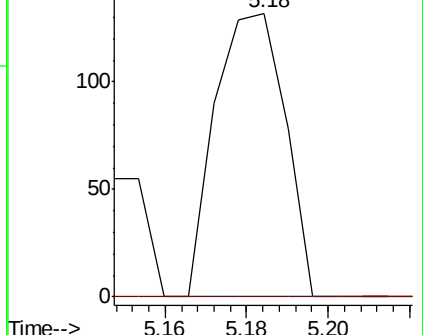
59 100

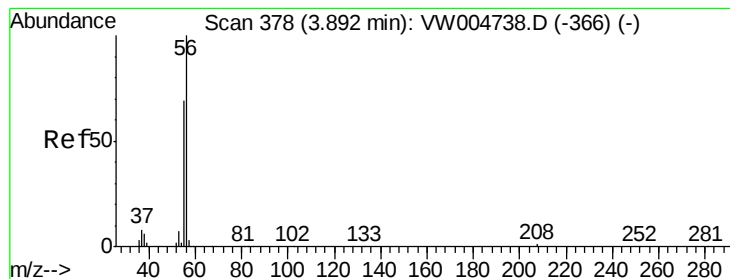
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 2.231 ug/l

RT: 3.91 min Scan# 381

Delta R.T. 0.02 min

Lab File: VW004796.D

Acq: 20 Aug 2018 17:28

Instrument :

MSVOA_W

ClientSampled :

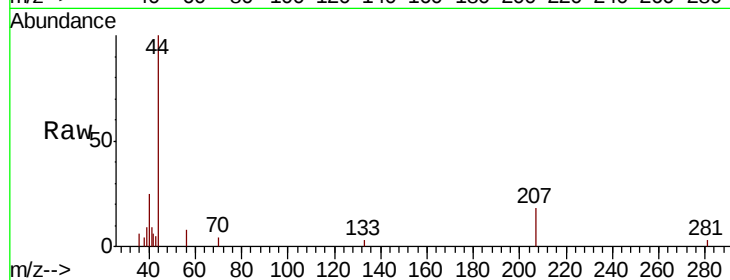
TOD1-IB-8-0-2

Tgt Ion: 56 Resp: 211

Ion Ratio Lower Upper

56 100

55 0.0 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.91

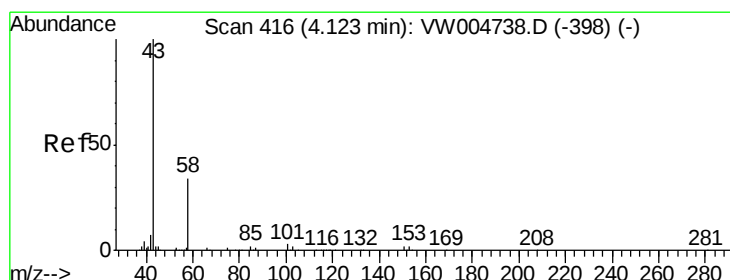
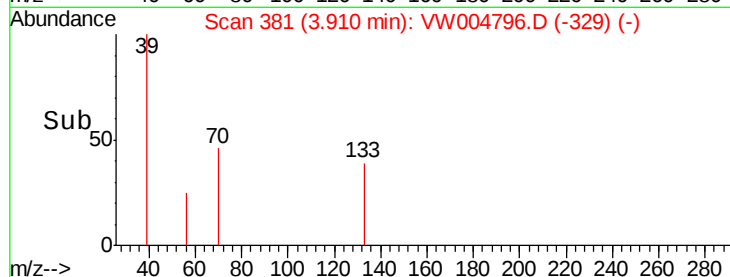
150

100

50

0

Time-->



#16

Acetone

Concen: 6.055 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW004796.D

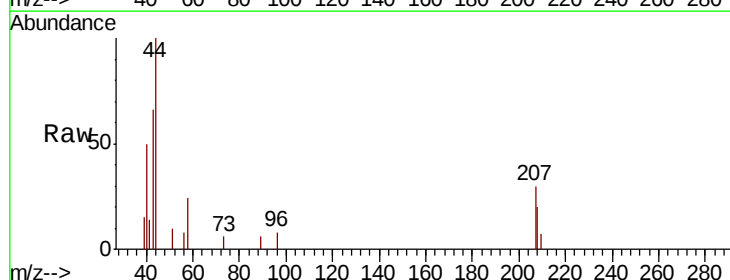
Acq: 20 Aug 2018 17:28

Tgt Ion: 43 Resp: 1950

Ion Ratio Lower Upper

43 100

58 35.6 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

600

500

400

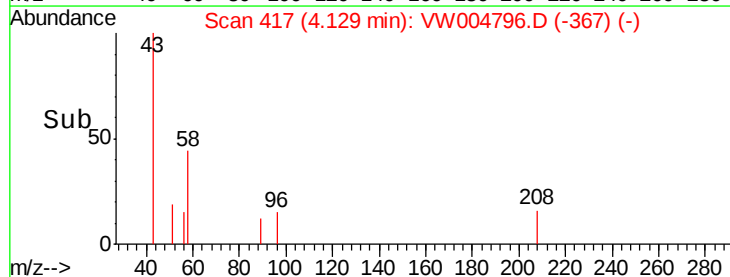
300

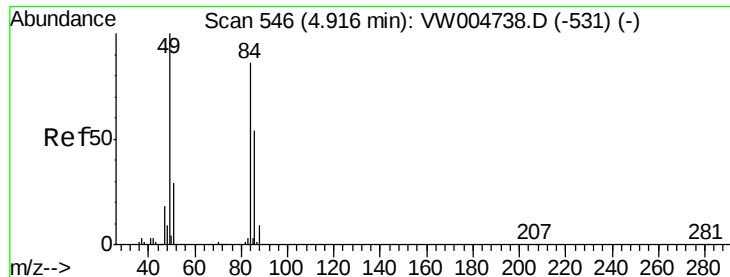
200

100

0

Time-->

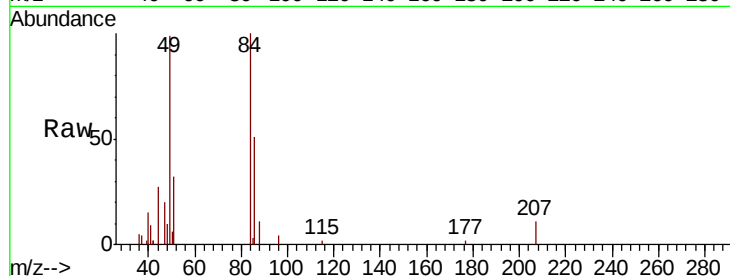




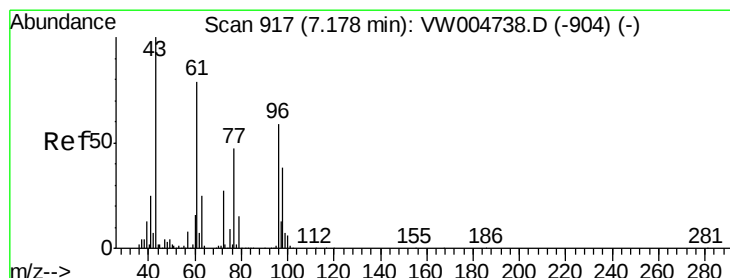
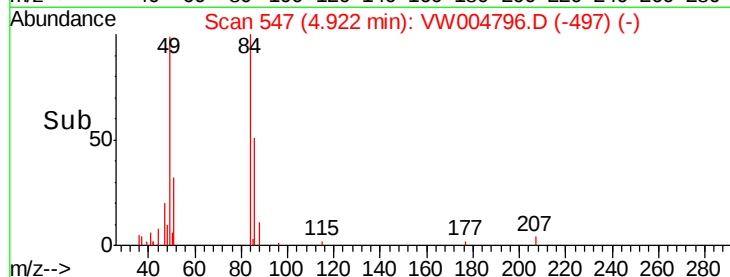
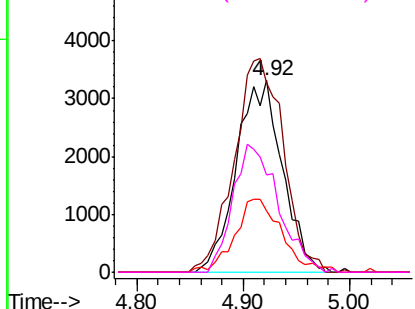
#20
Methylene Chloride
Concen: 2.751 ug/l
RT: 4.92 min Scan# 547
Delta R.T. 0.01 min
Lab File: VW004796.D
Acq: 20 Aug 2018 17:28

Instrument :
MSVOA_W
ClientSampleId :
TOD1-IB-8-0-2

Tgt Ion:	84	Resp:	10042
Ion	Ratio	Lower	Upper
84	100		
49	98.7	93.2	139.8
51	32.1	27.4	41.0
86	50.6	50.6	75.8

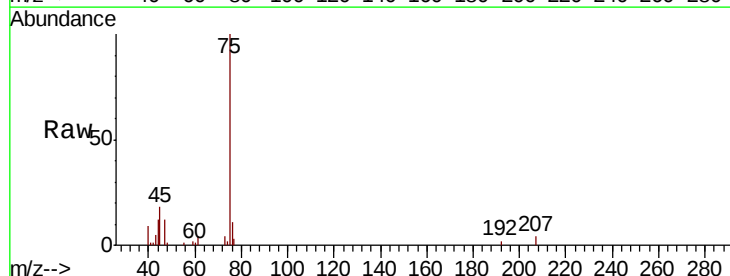


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

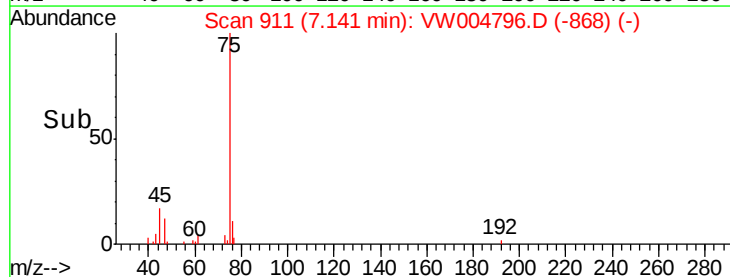
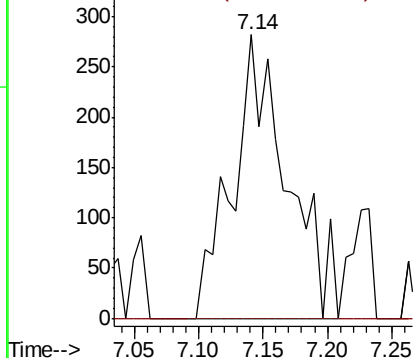


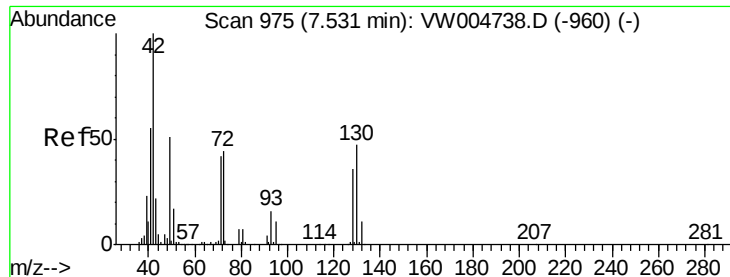
#25
2-Butanone
Concen: 1.820 ug/l
RT: 7.14 min Scan# 911
Delta R.T. -0.04 min
Lab File: VW004796.D
Acq: 20 Aug 2018 17:28

Tgt Ion:	43	Resp:	835
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.0	33.0#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 1.252 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.02 min

Lab File: VW004796.D

Acq: 20 Aug 2018 17:28

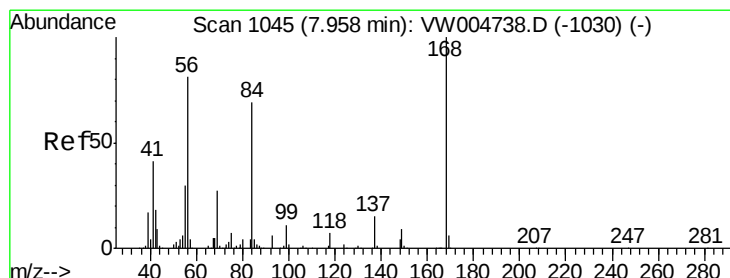
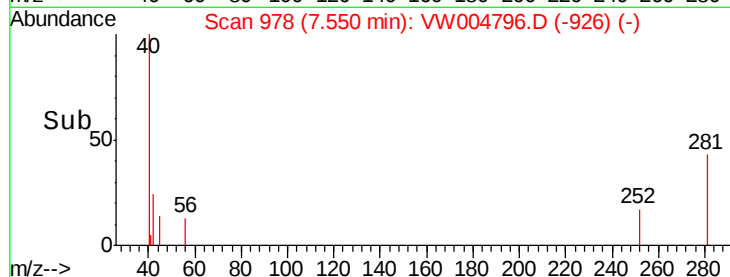
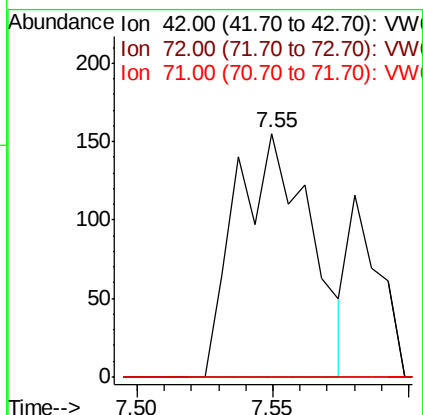
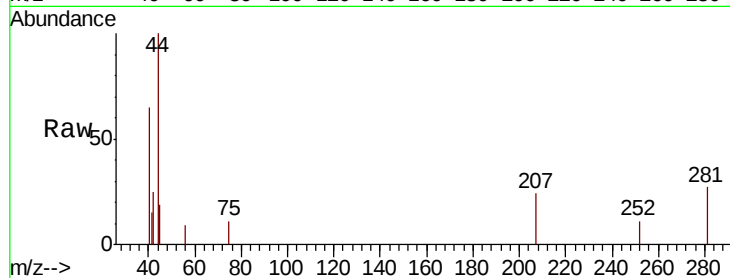
Instrument :

MSVOA_W

ClientSampleId :

TOD1-IB-8-0-2

Tgt Ion:	42	Resp:	293
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.9	52.3#
71	0.0	33.8	50.6#



#31

Cyclohexane

Concen: 1.140 ug/l

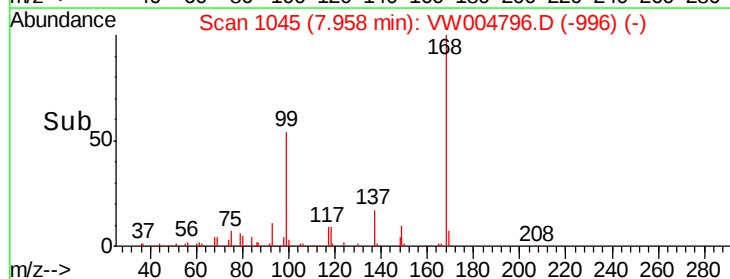
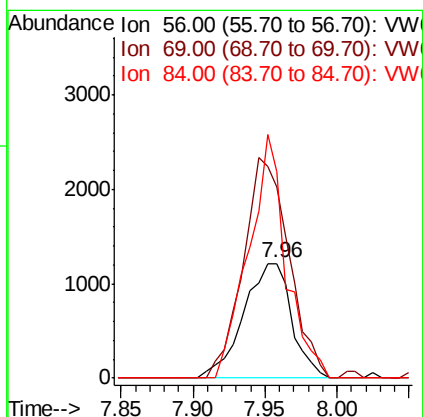
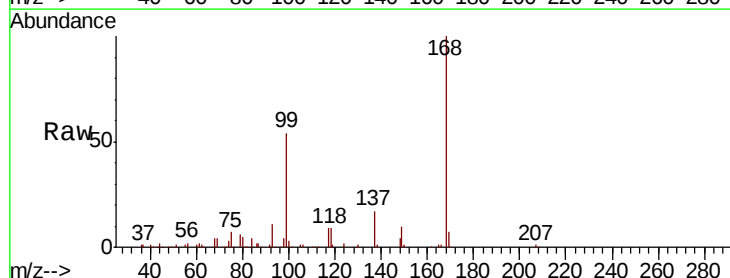
RT: 7.96 min Scan# 1045

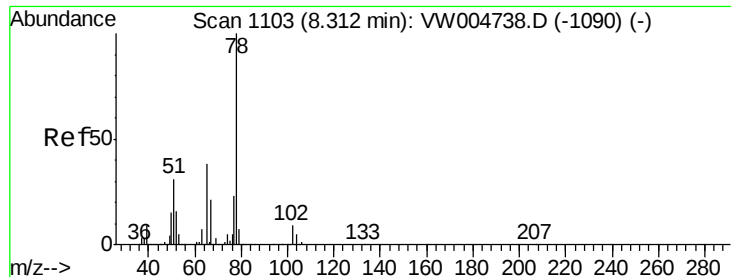
Delta R.T. 0.00 min

Lab File: VW004796.D

Acq: 20 Aug 2018 17:28

Tgt Ion:	56	Resp:	2811
Ion	Ratio	Lower	Upper
56	100		
69	167.4	27.1	40.7#
84	180.8	68.3	102.5#

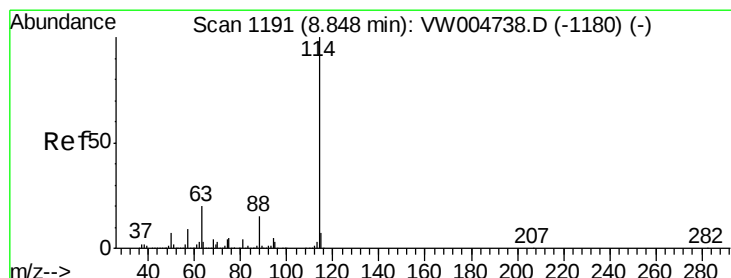
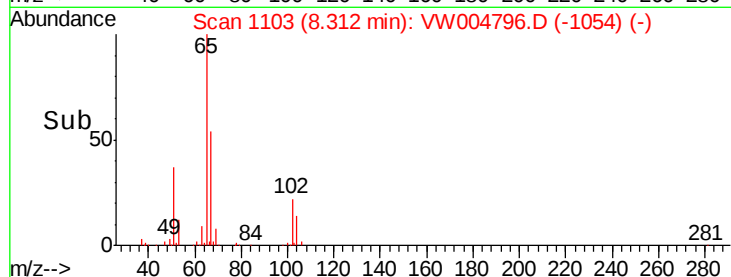
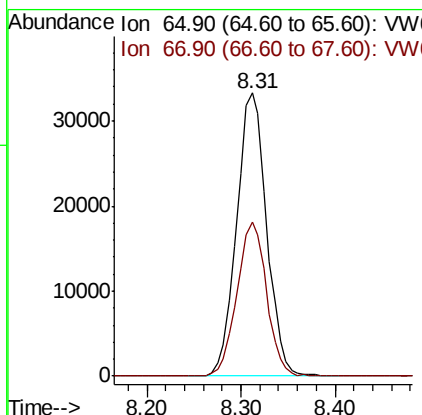
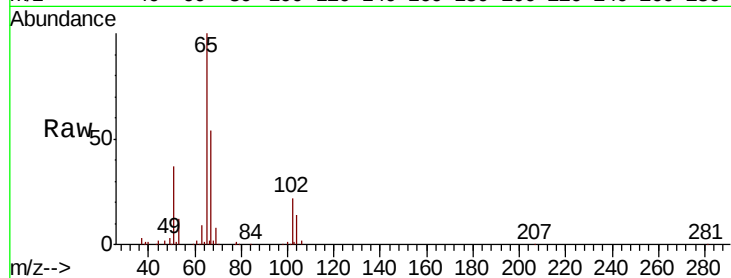




#33
 1,2-Dichloroethane-d4
 Concen: 58.246 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004796.D
 Acq: 20 Aug 2018 17:28

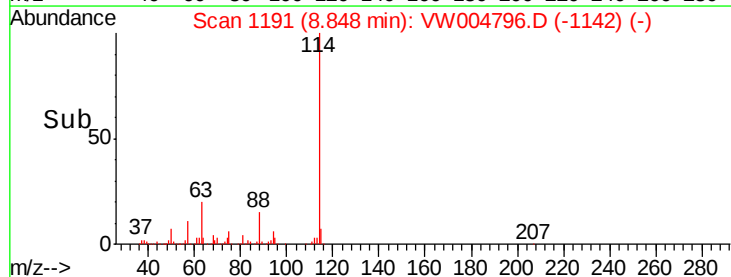
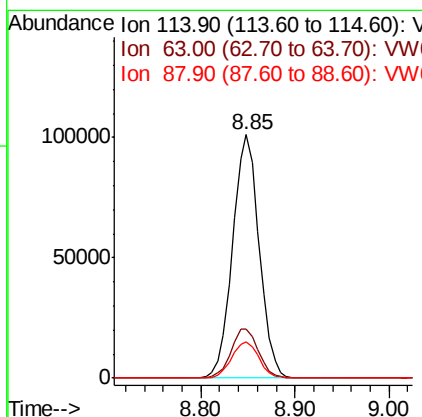
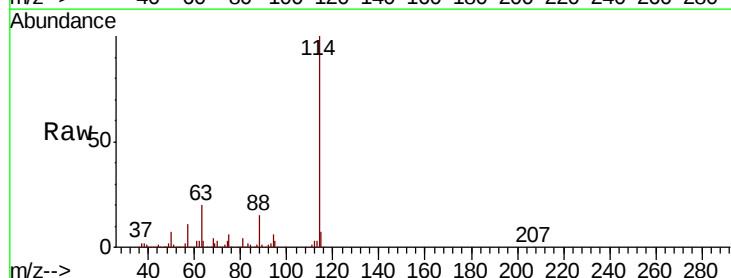
Instrument :
 MSVOA_W
 ClientSampleId :
 TOD1-IB-8-0-2

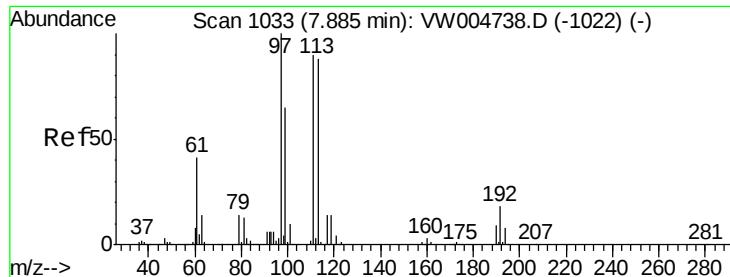
Tgt Ion: 65 Resp: 73485
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004796.D
 Acq: 20 Aug 2018 17:28

Tgt Ion: 114 Resp: 197329
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.0
 88 15.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 55.256 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW004796.D

Acq: 20 Aug 2018 17:28

Instrument :

MSVOA_W

ClientSampleId :

TOD1-IB-8-0-2

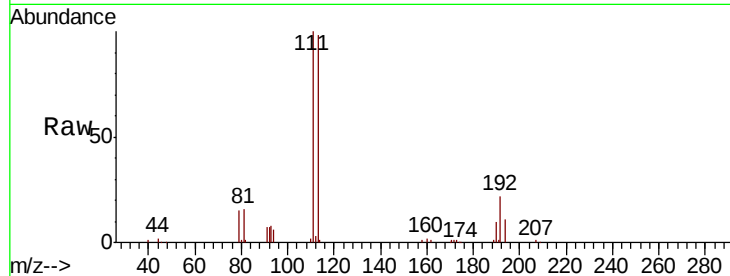
Tgt Ion:113 Resp: 69688

Ion Ratio Lower Upper

113 100

111 105.2 82.4 123.6

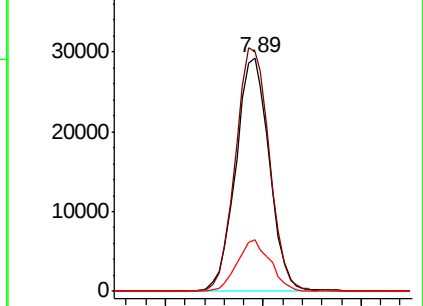
192 21.8 16.7 25.1



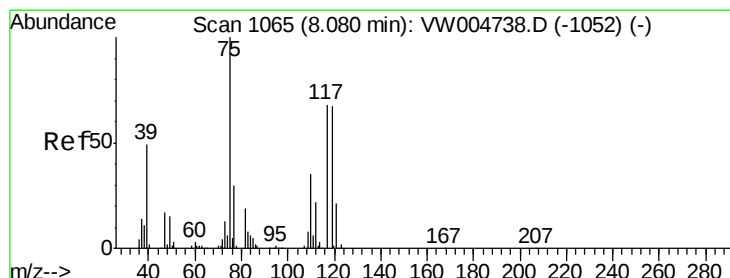
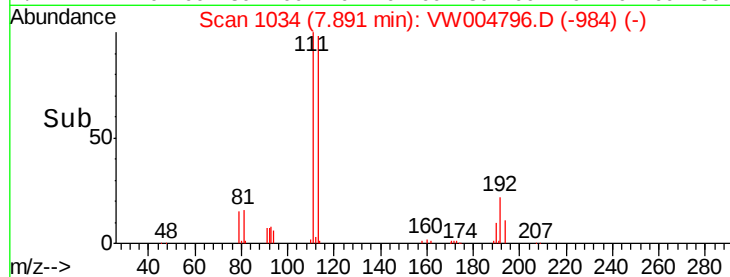
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->



#36

1,1-Dichloropropene

Concen: 4.811 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW004796.D

Acq: 20 Aug 2018 17:28

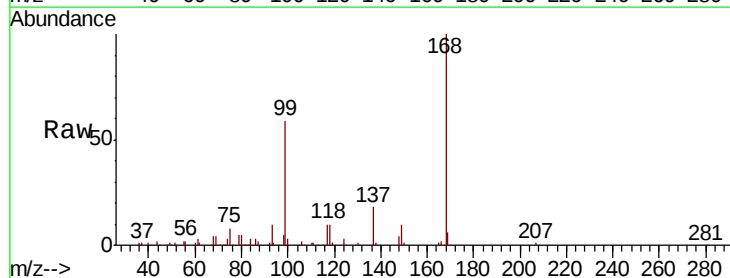
Tgt Ion: 75 Resp: 9781

Ion Ratio Lower Upper

75 100

110 3.6 17.8 53.5#

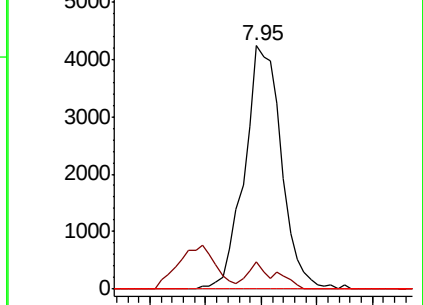
77 0.0 24.9 37.3#



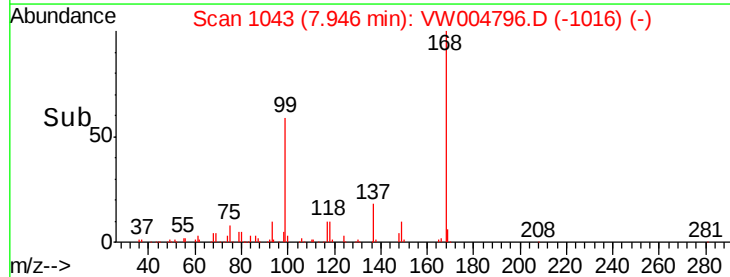
Abundance Ion 74.90 (74.60 to 75.60): VW

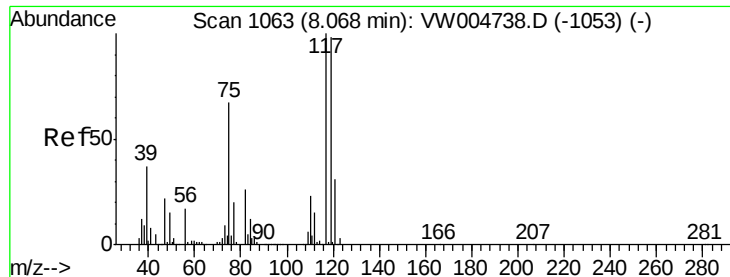
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



Time-->





#38

Carbon Tetrachloride

Concen: 6.640 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004796.D

Acq: 20 Aug 2018 17:28

Instrument :

MSVOA_W

ClientSampleId :

TOD1-IB-8-0-2

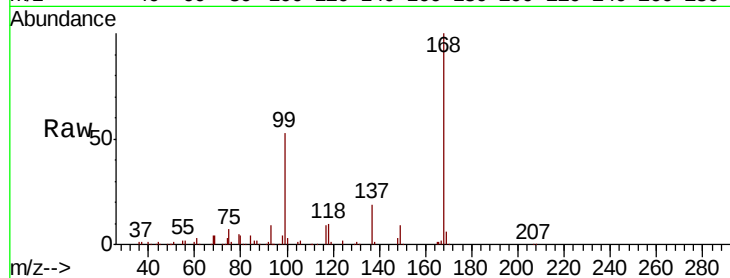
Tgt Ion:117 Resp: 12424

Ion Ratio Lower Upper

117 100

119 8.5 78.0 117.0#

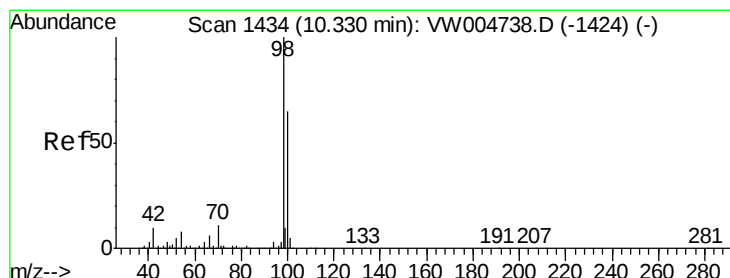
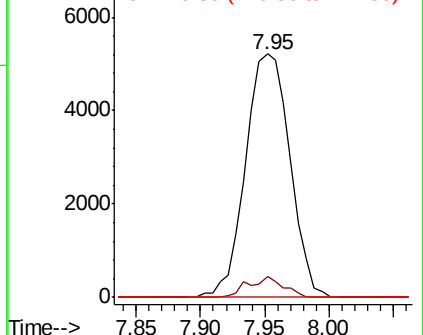
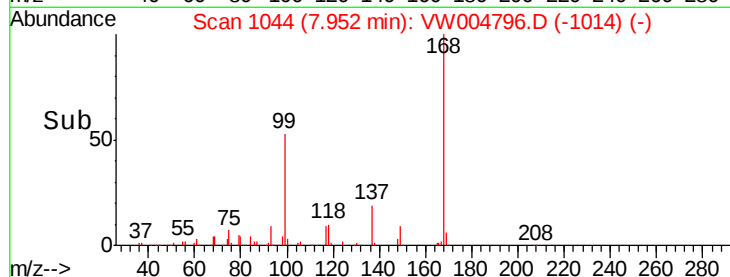
121 0.0 24.8 37.2#



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: 48.481 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004796.D

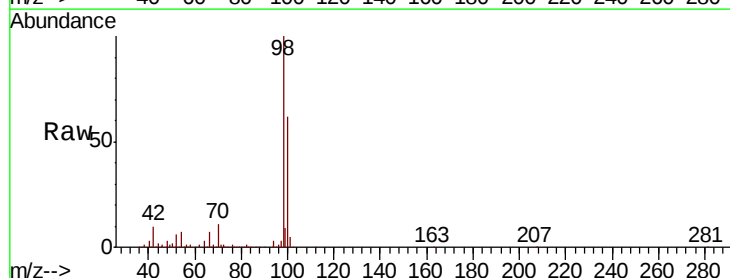
Acq: 20 Aug 2018 17:28

Tgt Ion: 98 Resp: 238681

Ion Ratio Lower Upper

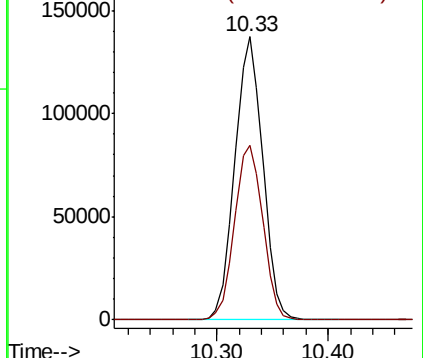
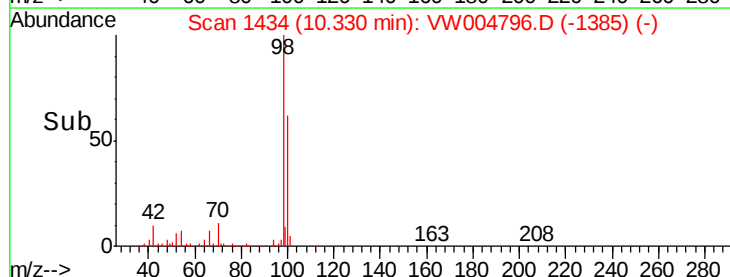
98 100

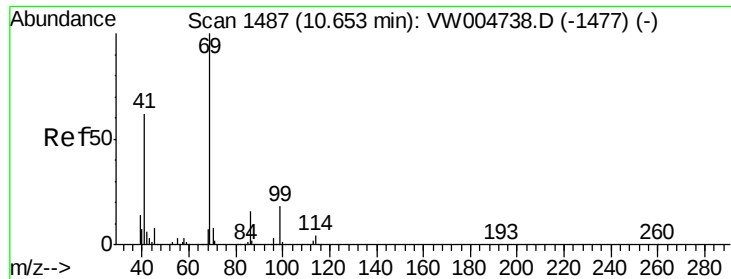
100 62.3 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

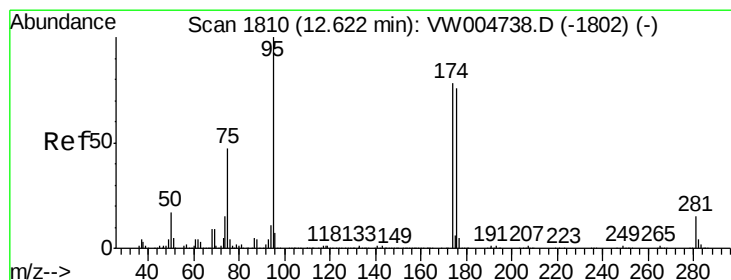
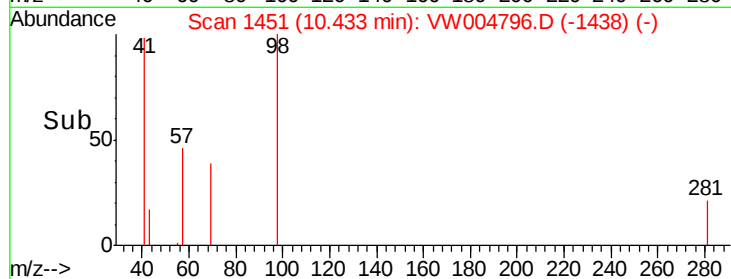
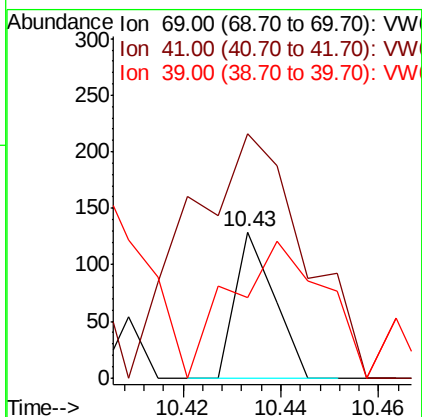
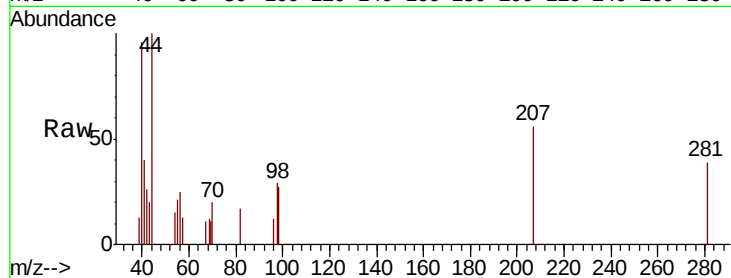




#56
 Ethyl methacrylate
 Concen: 3.030 ug/l
 RT: 10.43 min Scan# 1451
 Delta R.T. -0.22 min
 Lab File: VW004796.D
 Acq: 20 Aug 2018 17:28

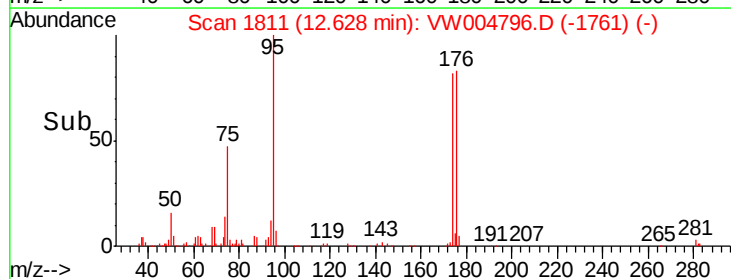
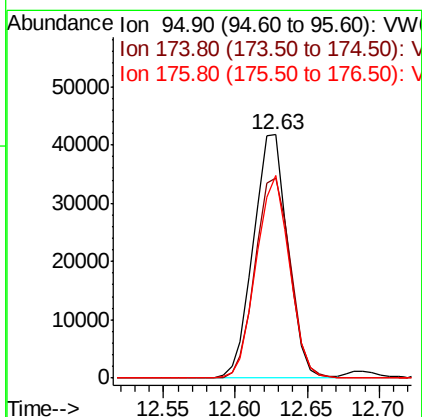
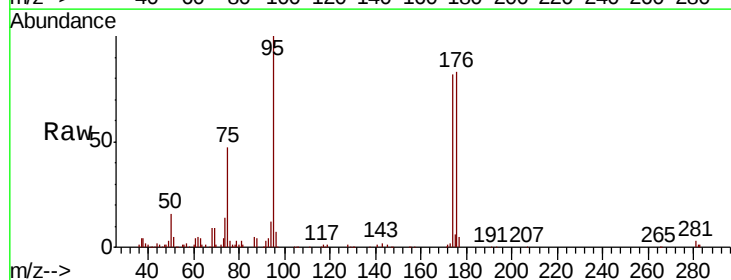
Instrument :
 MSVOA_W
 ClientSampleId :
 TOD1-IB-8-0-2

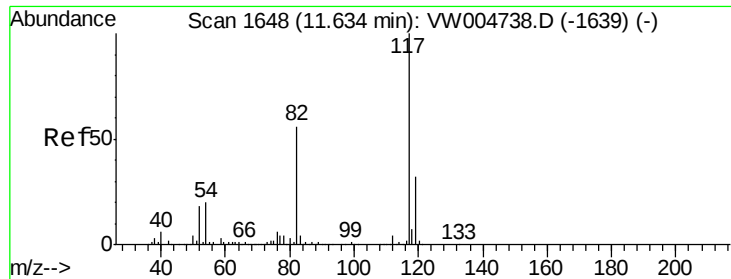
Tgt Ion: 69 Resp: 71
 Ion Ratio Lower Upper
 69 100
 41 502.8 50.7 76.1#
 39 252.1 21.4 32.2#



#62
 4-Bromofluorobenzene
 Concen: 39.007 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.01 min
 Lab File: VW004796.D
 Acq: 20 Aug 2018 17:28

Tgt Ion: 95 Resp: 69089
 Ion Ratio Lower Upper
 95 100
 174 84.3 0.0 165.8
 176 80.8 0.0 159.8

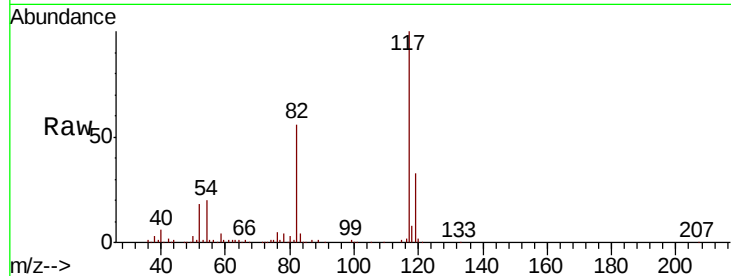




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004796.D
Acq: 20 Aug 2018 17:28

Instrument :
MSVOA_W
ClientSampleId :
TOD1-IB-8-0-2

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.8	44.6	67.0
119	32.5	25.6	38.4

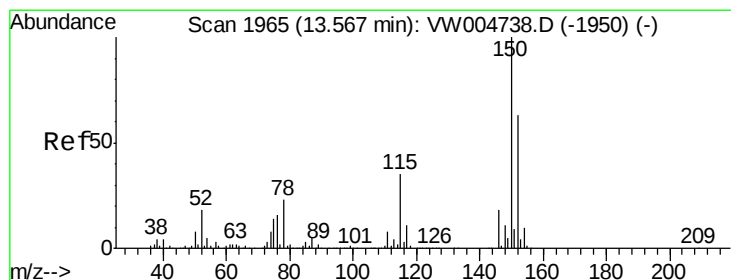
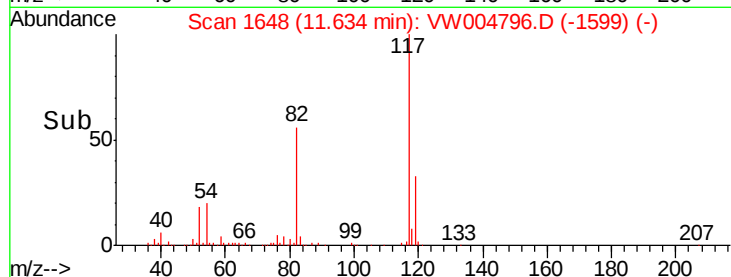
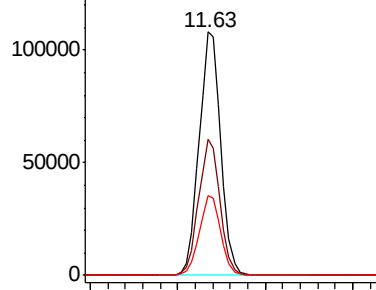


Abundance

Ion 116.90 (116.60 to 117.60): V

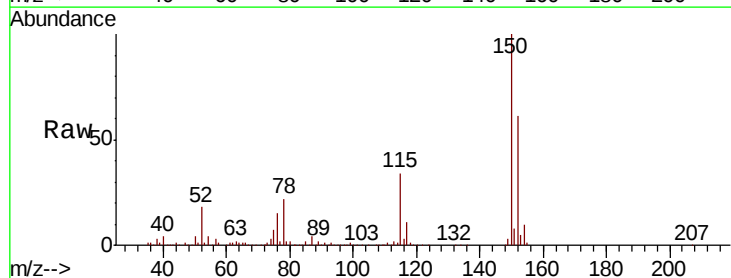
Ion 82.00 (81.70 to 82.70): V

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: VW004796.D
Acq: 20 Aug 2018 17:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.5	85.5
150	160.7	0.0	344.8

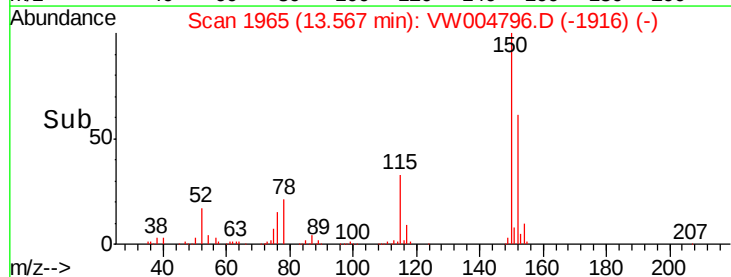
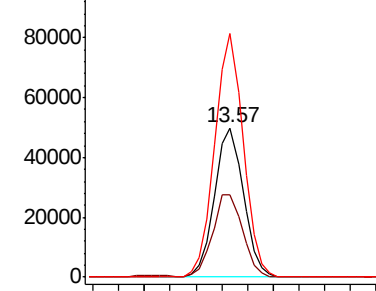


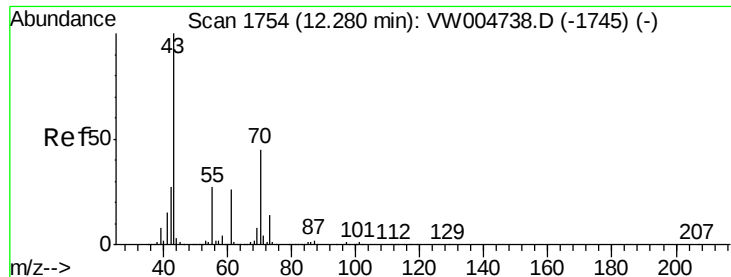
Abundance

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: 4.062 ug/l

RT: 12.27 min Scan# 1753

Delta R.T. -0.01 min

Lab File: VW004796.D

Acq: 20 Aug 2018 17:28

Instrument :

MSVOA_W

ClientSampleId :

TOD1-IB-8-0-2

Tgt Ion: 43 Resp: 58

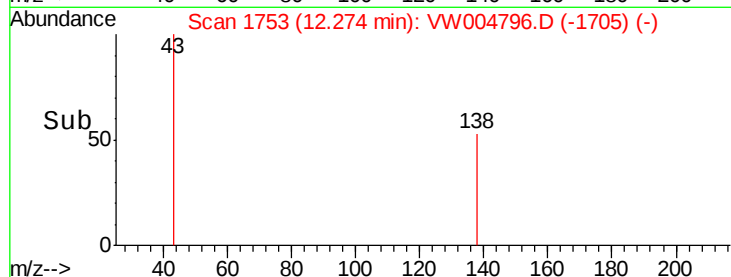
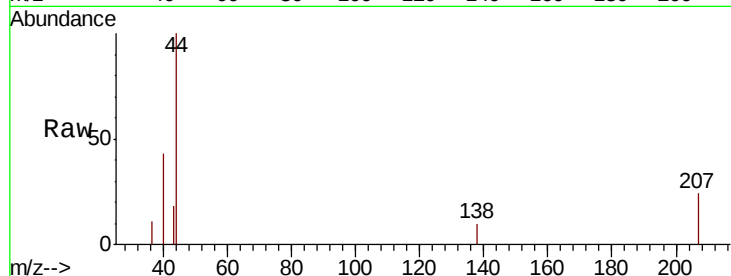
Ion Ratio Lower Upper

43 100

70 0.0 36.3 54.5#

55 139.7 22.6 33.8#

61 0.0 20.2 30.4#

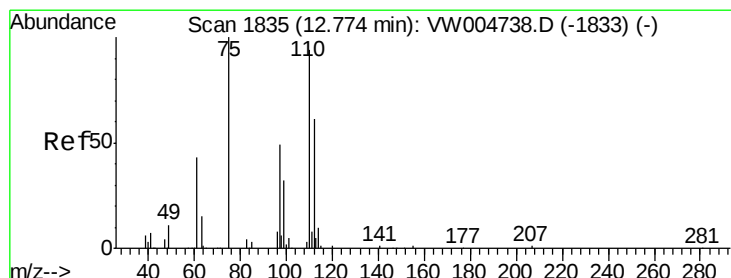
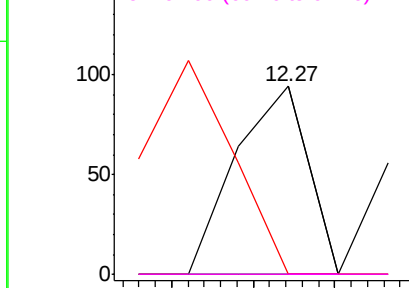


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 49.205 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004796.D

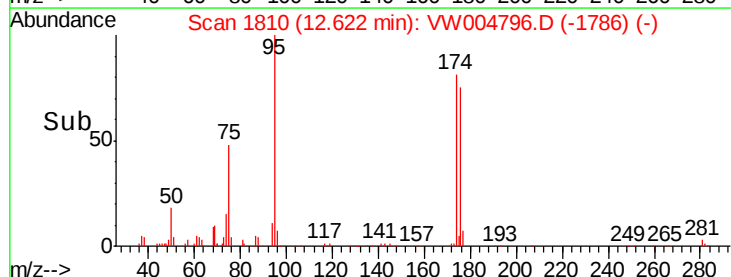
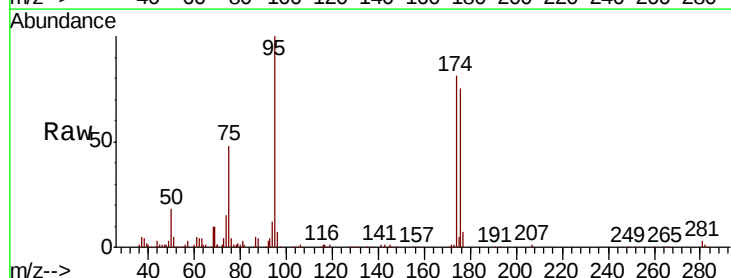
Acq: 20 Aug 2018 17:28

Tgt Ion: 75 Resp: 33536

Ion Ratio Lower Upper

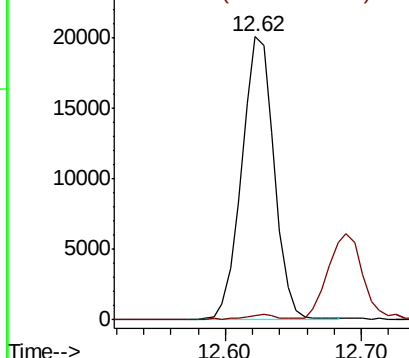
75 100

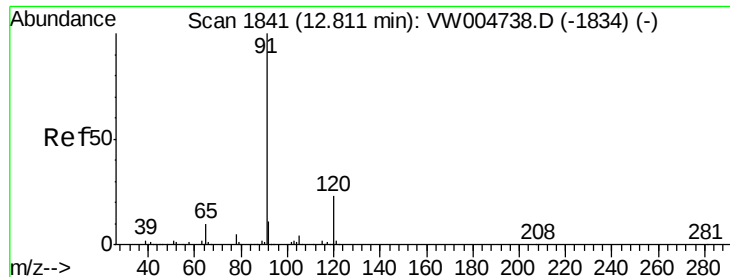
77 2.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

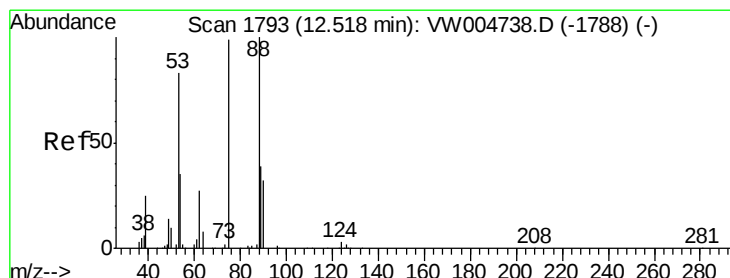
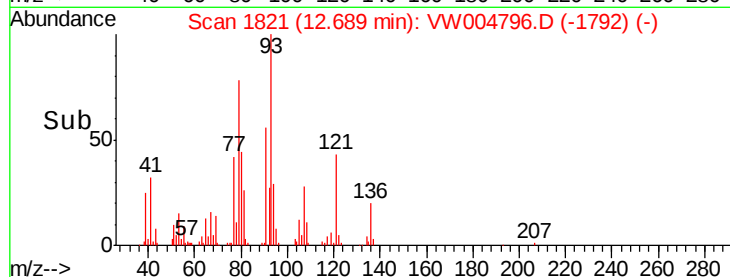
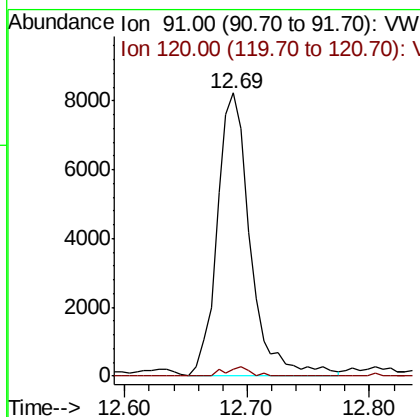
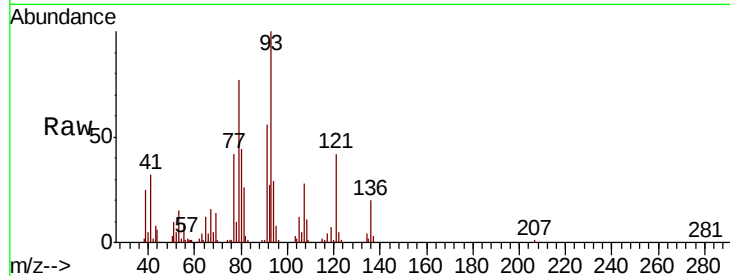




#78
n-propylbenzene
Concen: 2.414 ug/l
RT: 12.69 min Scan# 1821
Delta R.T. -0.12 min
Lab File: VW004796.D
Acq: 20 Aug 2018 17:28

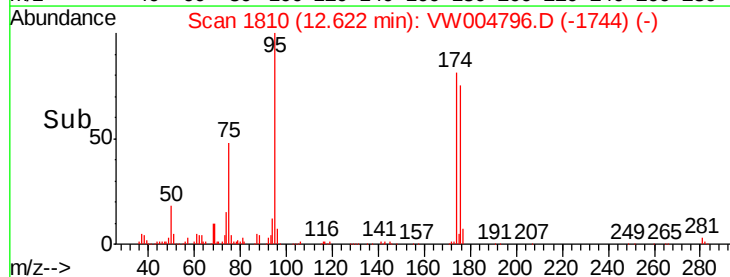
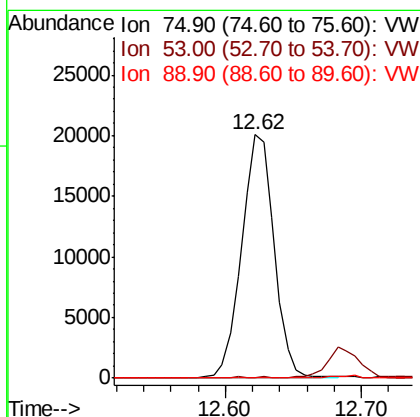
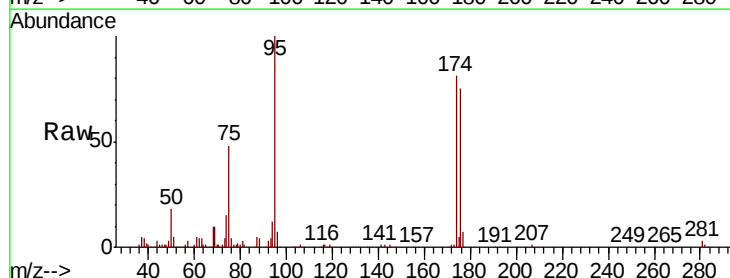
Instrument :
MSVOA_W
ClientSampleId :
TOD1-IB-8-0-2

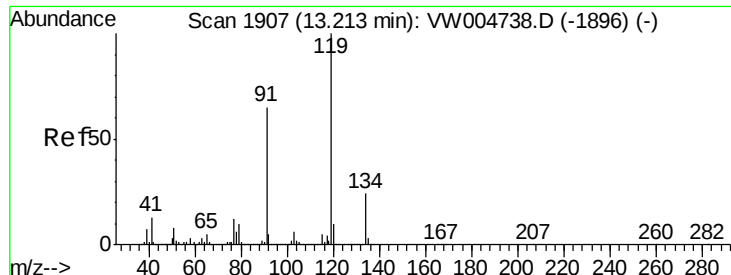
Tgt Ion: 91 Resp: 15495
Ion Ratio Lower Upper
91 100
120 2.4 11.4 34.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.366 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW004796.D
Acq: 20 Aug 2018 17:28

Tgt Ion: 75 Resp: 33536
Ion Ratio Lower Upper
75 100
53 0.0 72.2 108.4#
89 0.0 35.2 52.8#

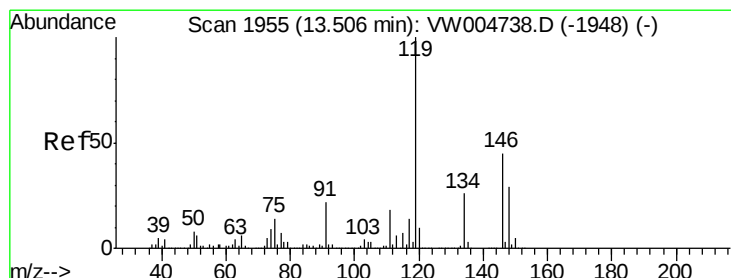
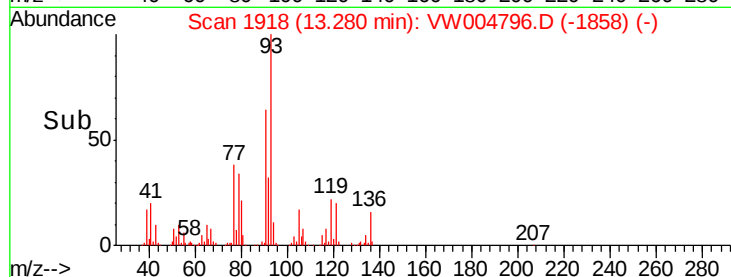
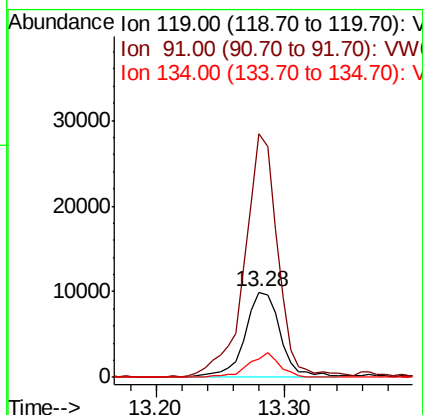
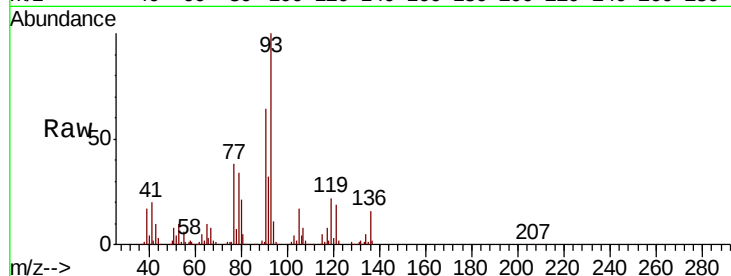




#83
tert-Butylbenzene
Concen: 4.938 ug/l
RT: 13.28 min Scan# 1918
Delta R.T. 0.07 min
Lab File: VW004796.D
Acq: 20 Aug 2018 17:28

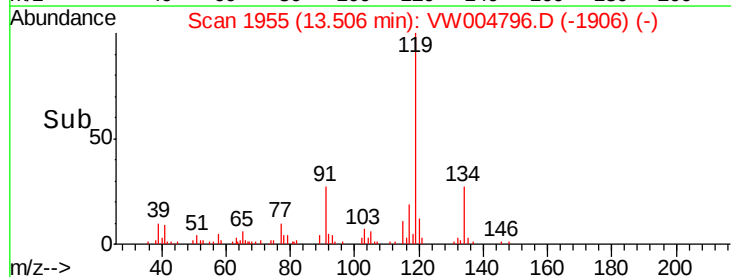
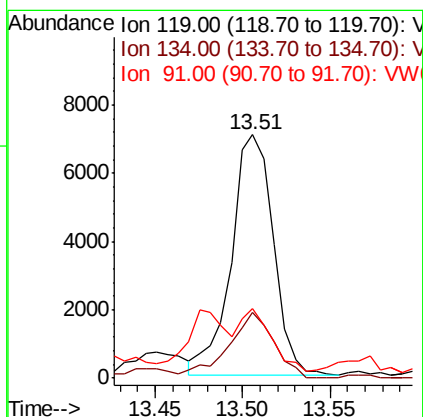
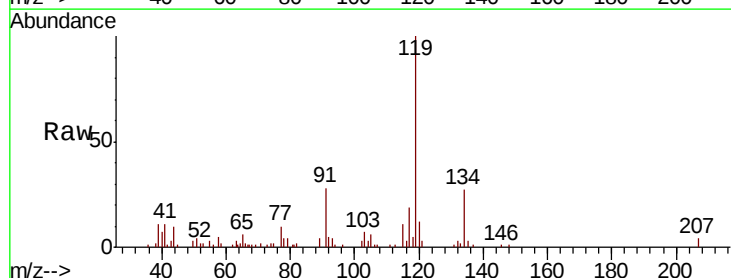
Instrument :
MSVOA_W
ClientSampleId :
TOD1-IB-8-0-2

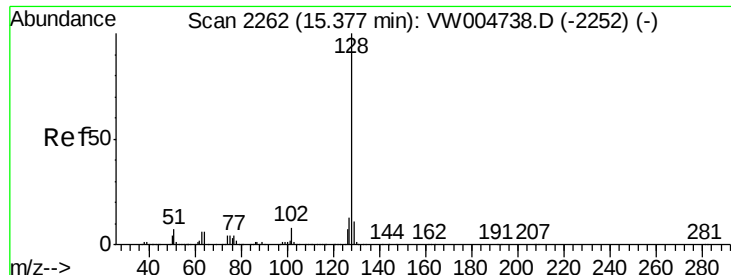
Tgt Ion:119 Resp: 18872
Ion Ratio Lower Upper
119 100
91 268.3 32.6 97.8#
134 25.3 13.1 39.3



#86
p-Isopropyltoluene
Concen: 2.370 ug/l
RT: 13.51 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW004796.D
Acq: 20 Aug 2018 17:28

Tgt Ion:119 Resp: 11768
Ion Ratio Lower Upper
119 100
134 29.6 13.1 39.3
91 18.8 11.2 33.5

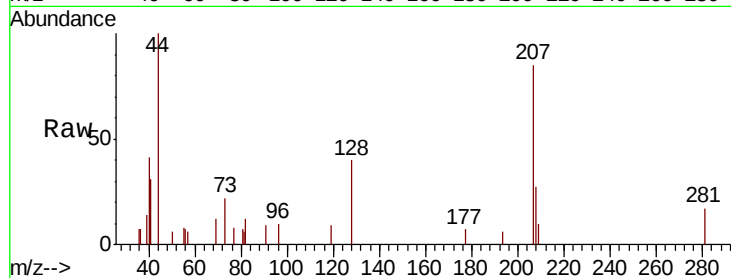




#95
Naphthalene
Concen: 3.654 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004796.D
Acq: 20 Aug 2018 17:28

Instrument :
MSVOA_W
ClientSampleId :
TOD1-IB-8-0-2

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	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

