

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090618\
 Data File : VW005166.D
 Acq On : 06 Sep 2018 16:16
 Operator : SY/AP
 Sample : J4720-05RE
 Misc : 5.03G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BZTRANS-5RE

Quant Time: Sep 06 16:38:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	413933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	623480	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	577924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	240351	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	245145	71.44	ug/l	0.00
Spiked Amount			Recovery	=	142.88%	
35) Dibromofluoromethane	7.89	113	213799	59.34	ug/l	0.00
Spiked Amount			Recovery	=	118.68%	
50) Toluene-d8	10.33	98	884196	53.26	ug/l	0.00
Spiked Amount			Recovery	=	106.52%	
62) 4-Bromofluorobenzene	12.62	95	272562	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	

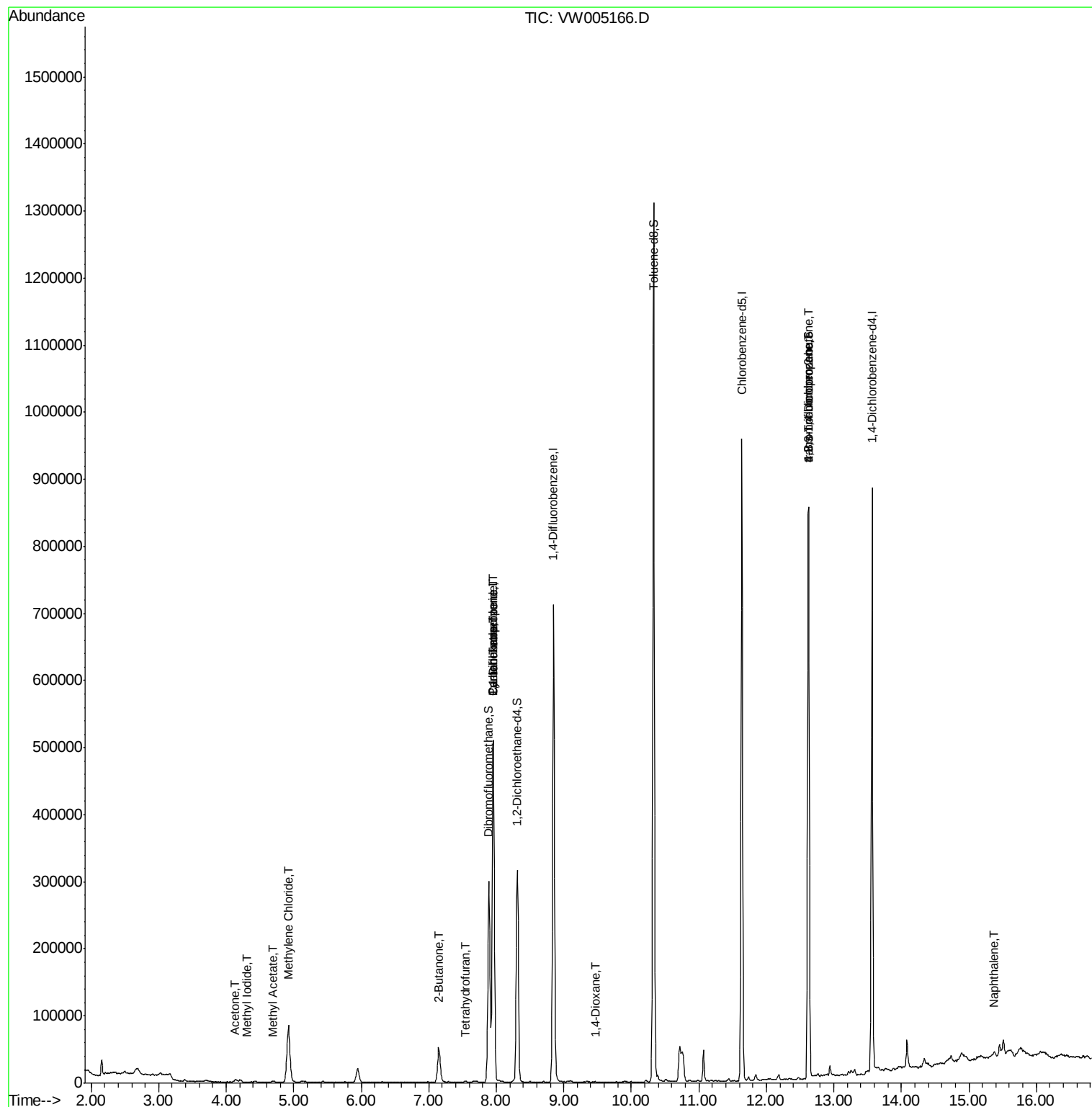
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	1204	Below Cal	#	58
10) Methyl Iodide	4.31	142	76	3.832	ug/l #	44
11) Tert butyl alcohol	5.20	59	655	Below Cal	#	72
16) Acetone	4.14	43	6589	9.575	ug/l	95
18) Methyl Acetate	4.68	43	2664	1.316	ug/l #	77
20) Methylene Chloride	4.92	84	69516	11.995	ug/l	98
25) 2-Butanone	7.15	43	2587	2.167	ug/l	90
29) Tetrahydrofuran	7.56	42	1075	1.763	ug/l #	88
31) Cyclohexane	7.95	56	7698	1.142	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	28939	4.874	ug/l #	47
38) Carbon Tetrachloride	7.95	117	37403	6.625	ug/l #	16
49) 1,4-Dioxane	9.46	88	127	3.698	ug/l #	62
76) 1,2,3-Trichloropropane	12.62	75	129363	71.704	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	129363	172.583	ug/l #	15
95) Naphthalene	15.38	128	1727	4.163	ug/l #	92

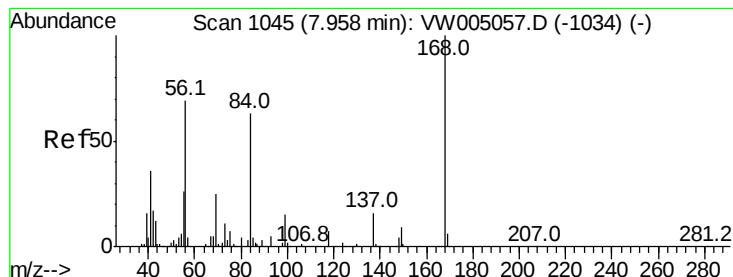
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005166.D

Acq: 06 Sep 2018 16:16

Instrument :

MSVOA_W

ClientSampleId :

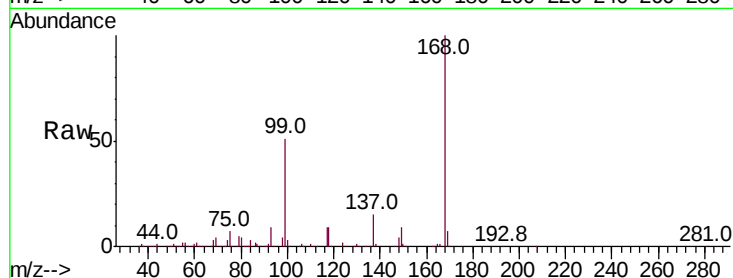
BZTRANS-5RE

Tot Ion:168 Resp: 413933

Ion Ratio Lower Upper

168 100

99 50.6 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

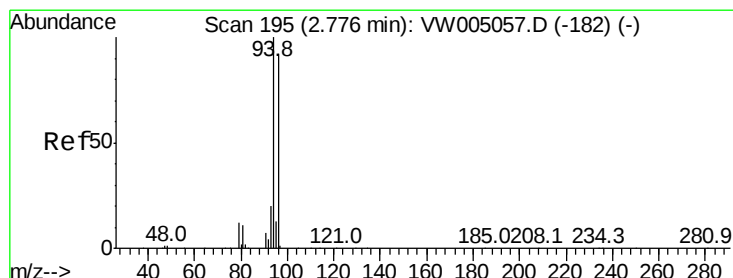
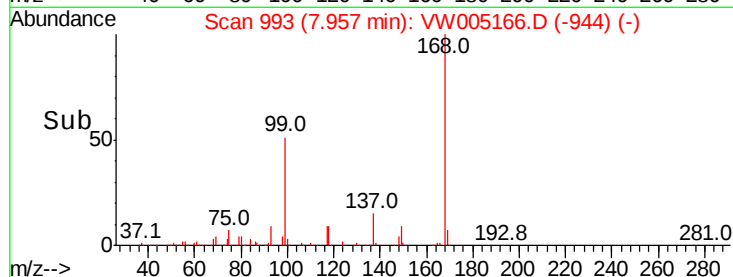
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW005166.D

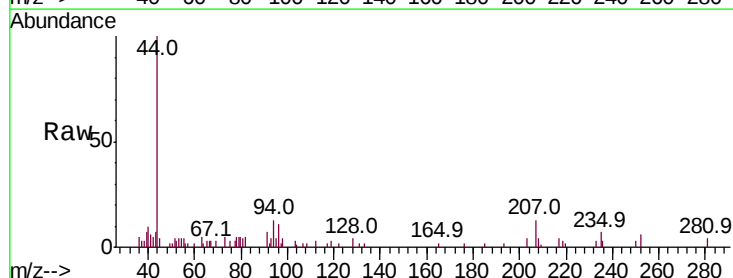
Acq: 06 Sep 2018 16:16

Tgt Ion: 94 Resp: 1204

Ion Ratio Lower Upper

94 100

96 52.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

500

400

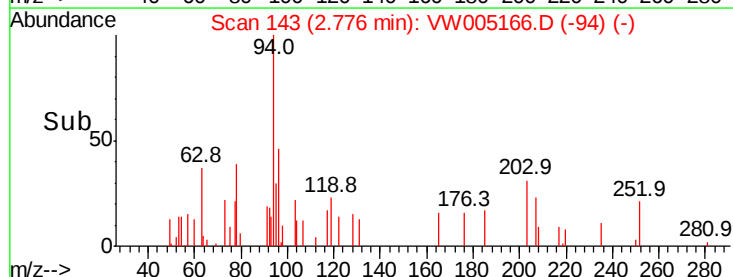
300

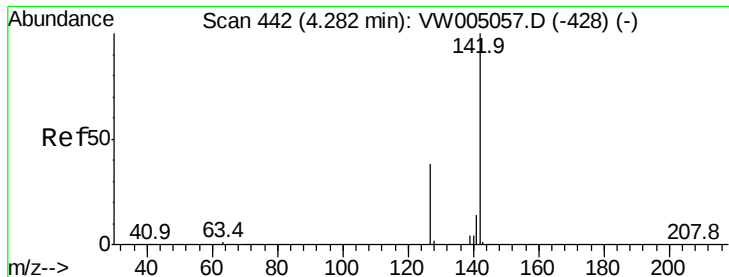
200

100

0

Time--> 2.70 2.75 2.80 2.85





#10

Methvl Iodide

Concen: 3.832 ug/l

RT: 4.31 min Scan# 394

Delta R.T. 0.02 min

Lab File: VW005166.D

Acq: 06 Sep 2018 16:16

Instrument :

MSVOA_W

ClientSampleId :

BZTRANS-5RE

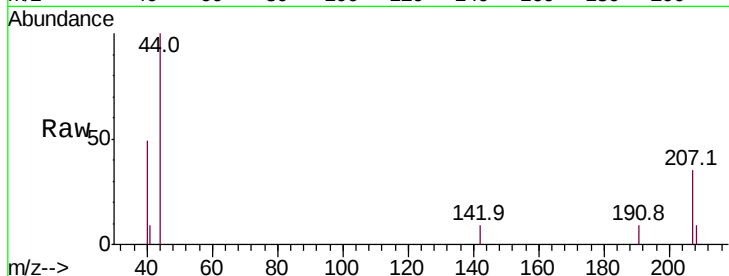
Tot Ion:142 Resp: 76

Ion Ratio Lower Upper

142 100

127 0.0 30.8 46.2#

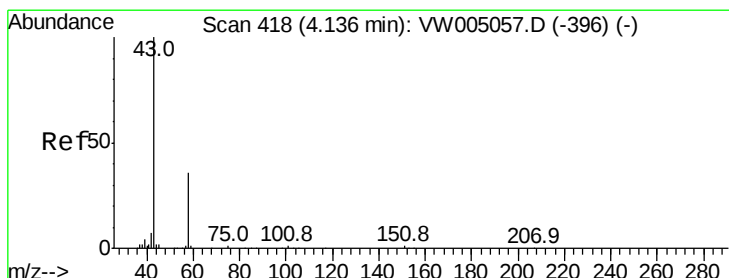
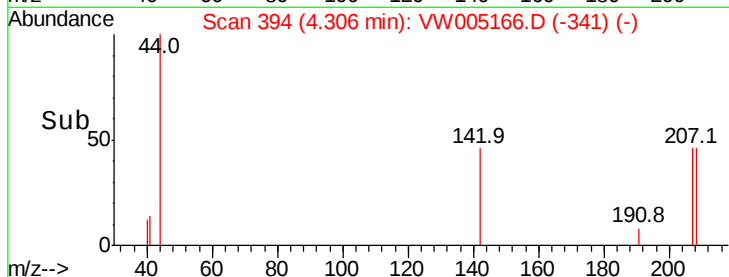
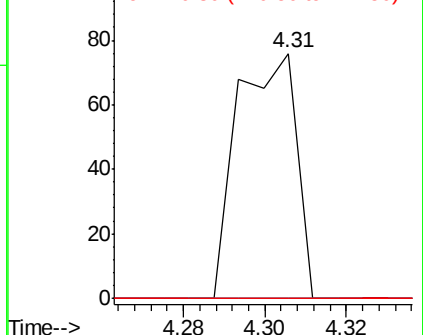
141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#16

Acetone

Concen: 9.575 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW005166.D

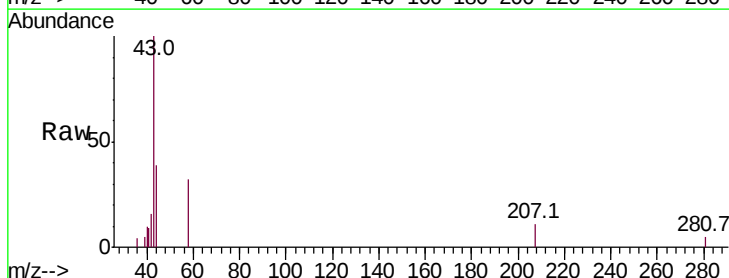
Acq: 06 Sep 2018 16:16

Tgt Ion: 43 Resp: 6589

Ion Ratio Lower Upper

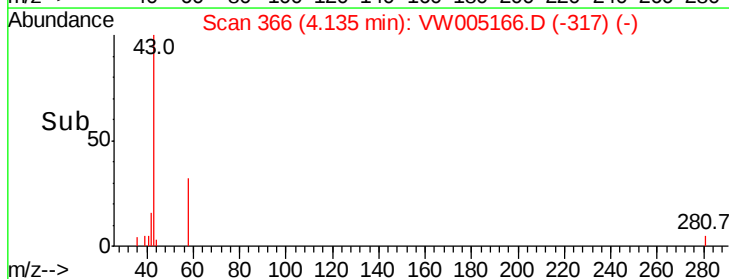
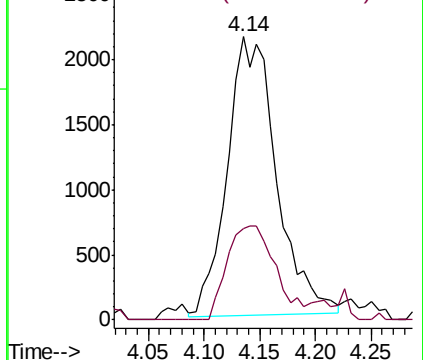
43 100

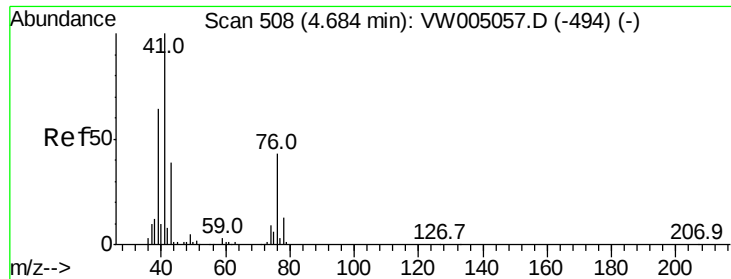
58 33.3 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

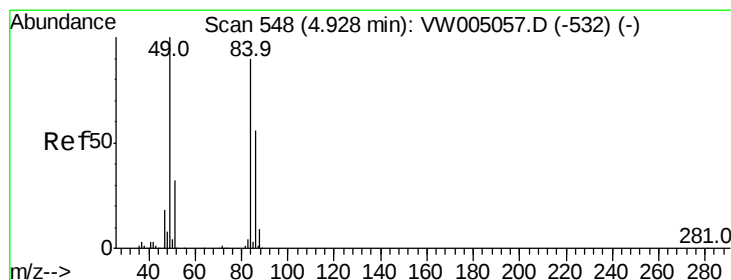
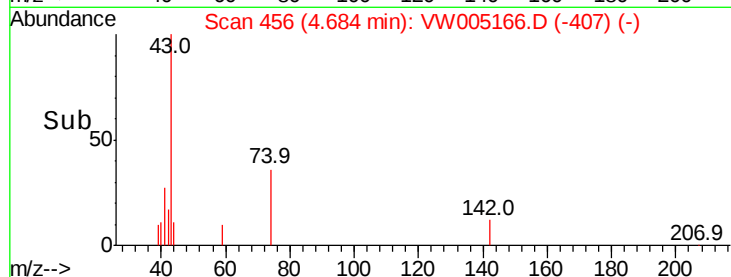
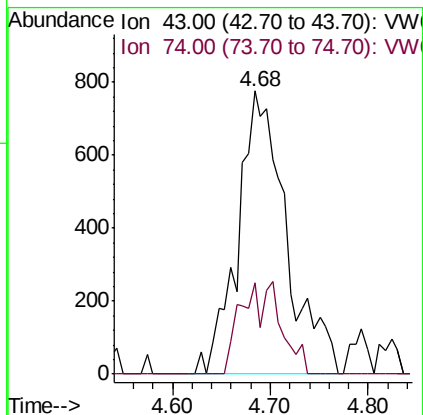
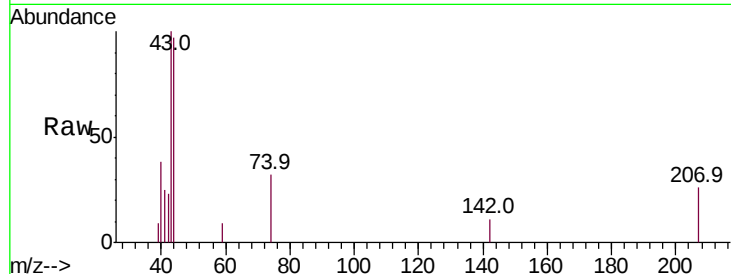




#18
Methvl Acetate
Concen: 1.316 ug/l
RT: 4.68 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW005166.D
Acq: 06 Sep 2018 16:16

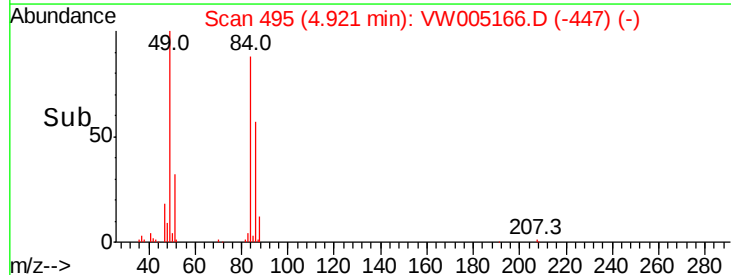
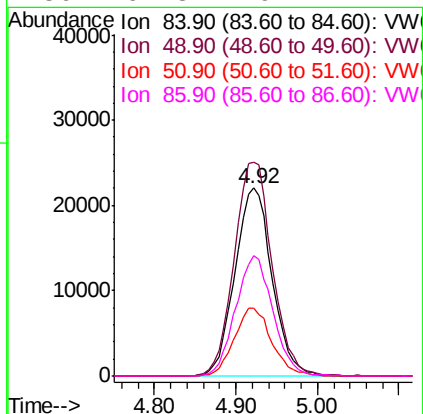
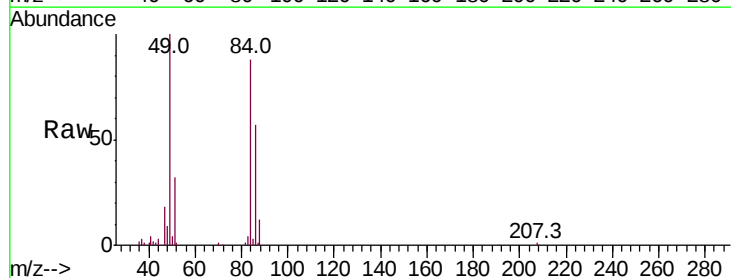
Instrument :
MSVOA_W
ClientSampleId :
BZTRANS-5RE

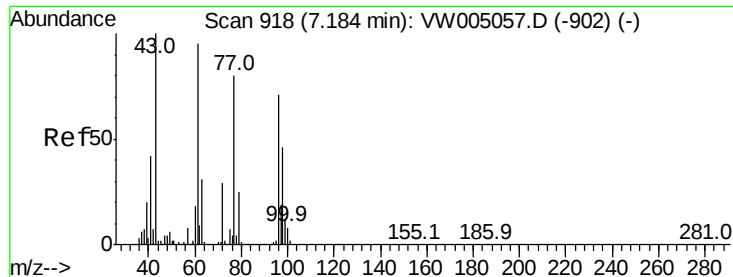
Tot Ion: 43 Resp: 2664
Ion Ratio Lower Upper
43 100
74 14.1 20.7 31.1#



#20
Methylene Chloride
Concen: 11.995 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005166.D
Acq: 06 Sep 2018 16:16

Tgt Ion: 84 Resp: 69516
Ion Ratio Lower Upper
84 100
49 113.5 88.7 133.1
51 35.9 28.6 42.8
86 64.3 49.4 74.2





#25

2-Butanone

Concen: 2.167 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.04 min

Lab File: VW005166.D

Acq: 06 Sep 2018 16:16

Instrument :

MSVOA_W

ClientSampleId :

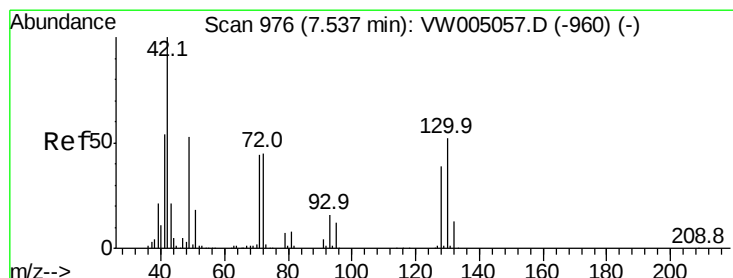
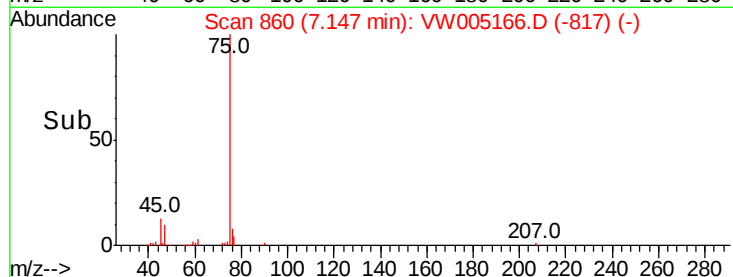
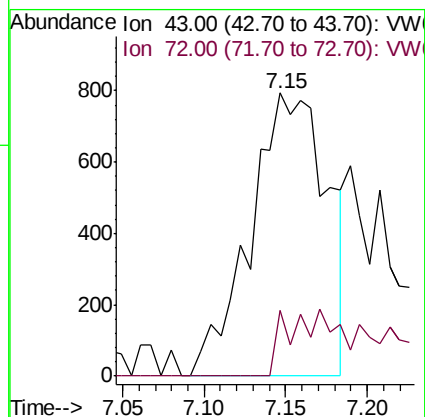
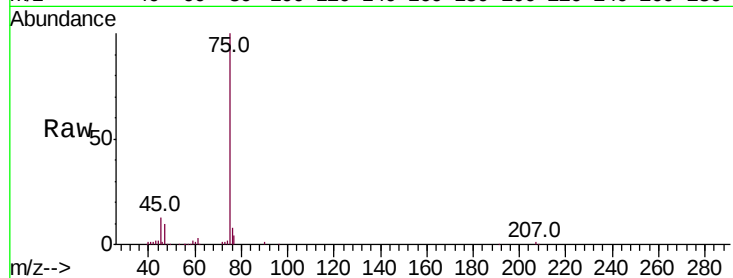
BZTRANS-5RE

Tot Ion: 43 Resp: 2587

Ion Ratio Lower Upper

43 100

72 23.5 23.1 34.7



#29

Tetrahydrofuran

Concen: 1.763 ug/l

RT: 7.56 min Scan# 927

Delta R.T. 0.02 min

Lab File: VW005166.D

Acq: 06 Sep 2018 16:16

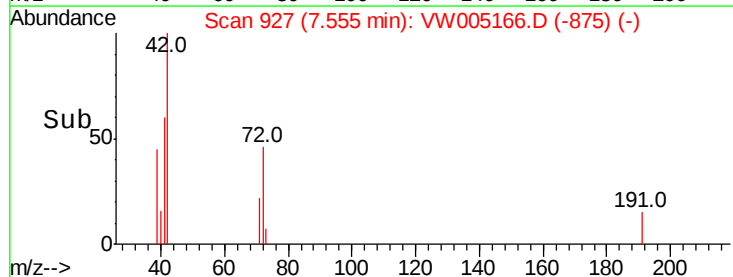
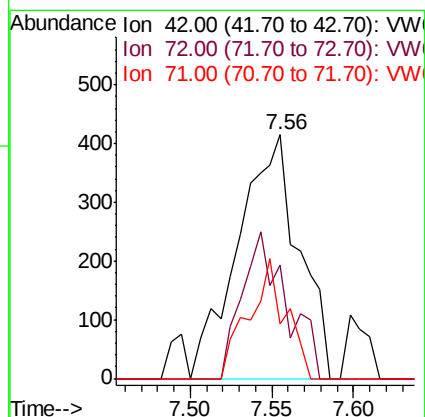
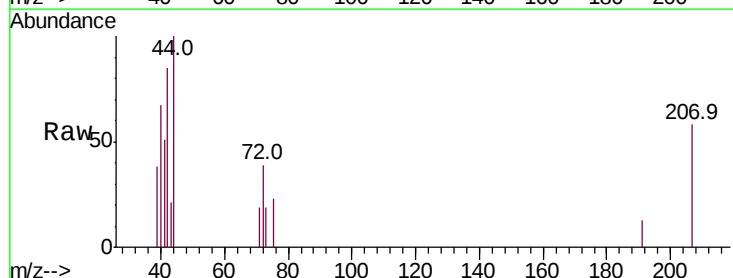
Tgt Ion: 42 Resp: 1075

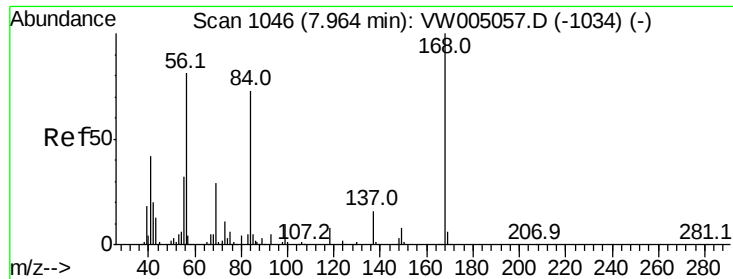
Ion Ratio Lower Upper

42 100

72 43.9 37.0 55.4

71 29.8 35.0 52.6#





#31

Cyclohexane

Concen: 1.142 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005166.D

Acq: 06 Sep 2018 16:16

Instrument :

MSVOA_W

ClientSampleId :

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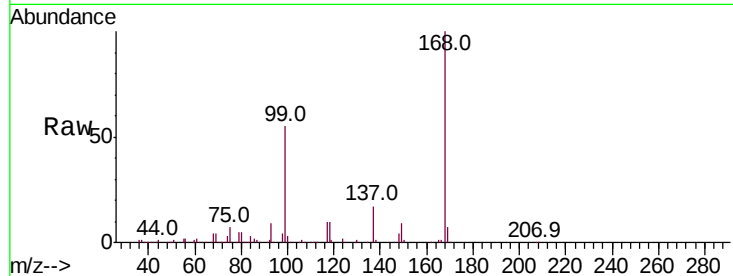
Tot Ion: 56 Resp: 7698

Ion Ratio Lower Upper

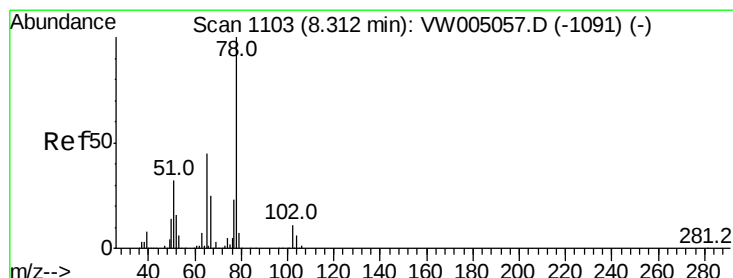
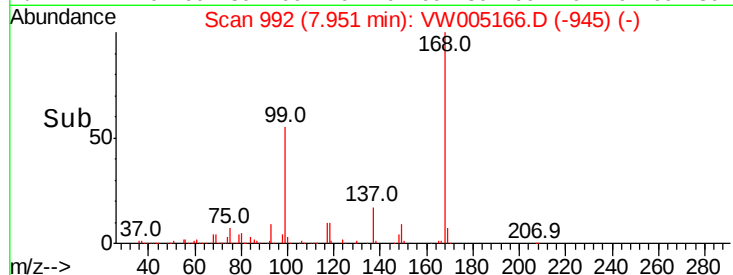
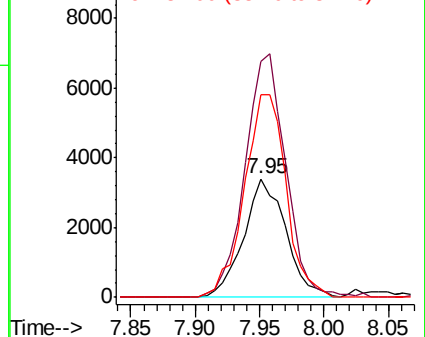
56 100

69 199.1 28.2 42.2#

84 171.8 71.8 107.8#



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: 71.443 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005166.D

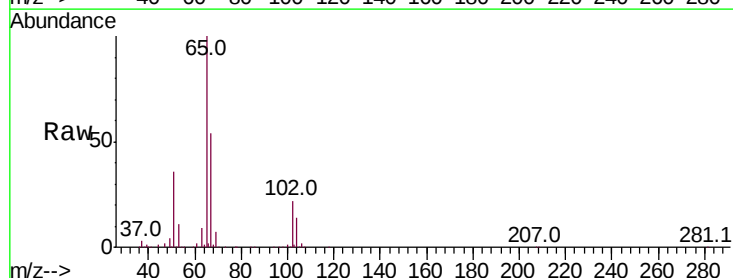
Acq: 06 Sep 2018 16:16

Tgt Ion: 65 Resp: 245145

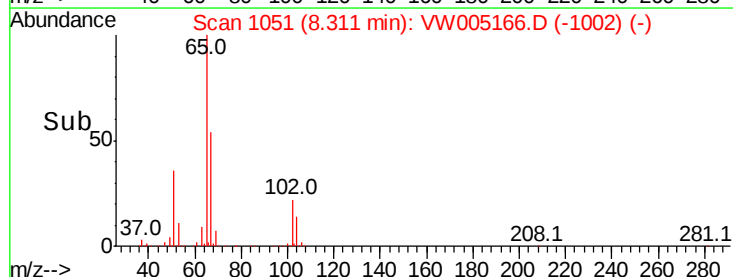
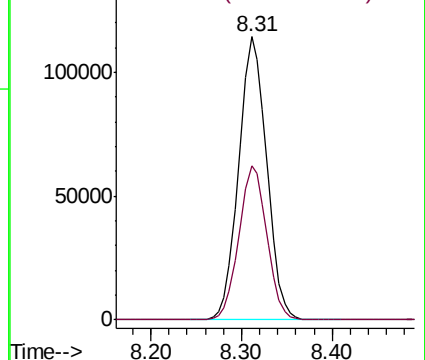
Ion Ratio Lower Upper

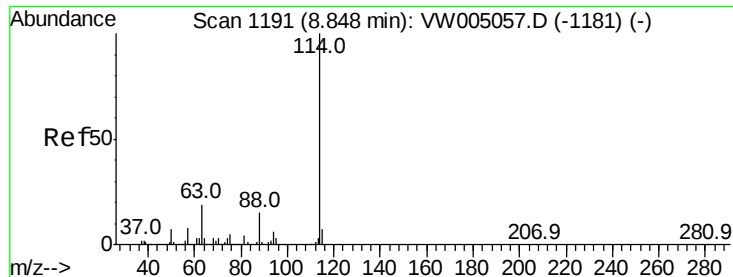
65 100

67 54.4 0.0 109.4



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

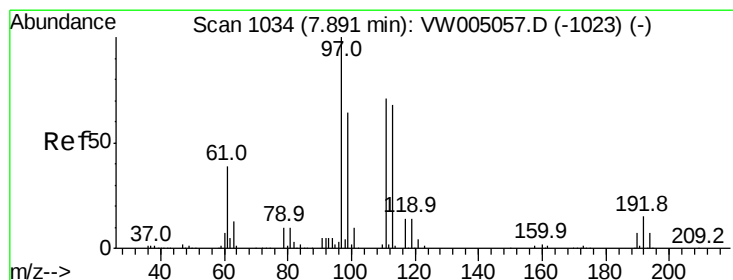
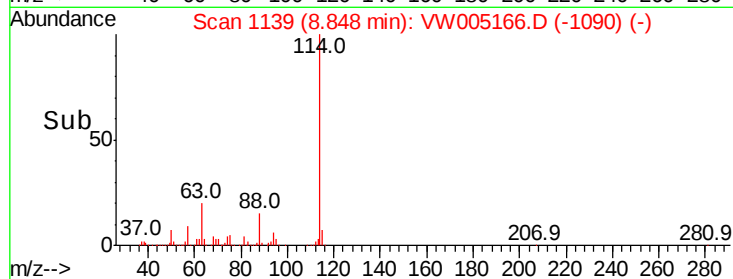
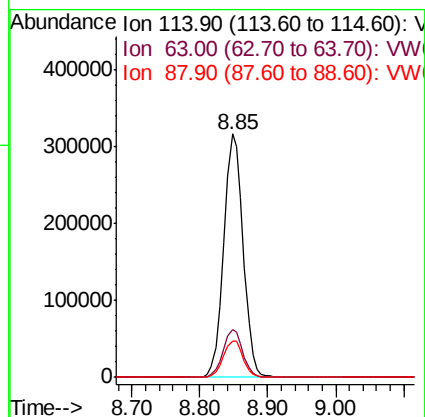
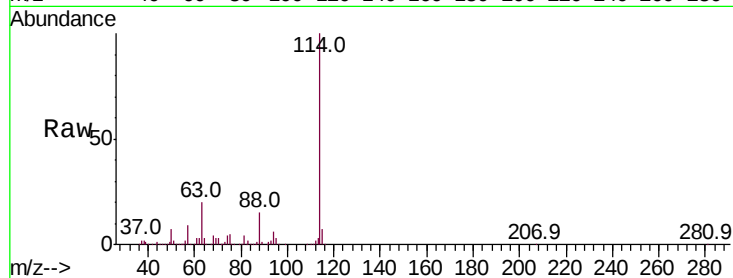




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.85 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VW005166.D
Acq: 06 Sep 2018 16:16

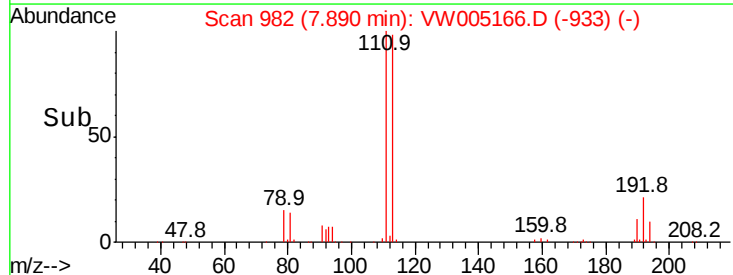
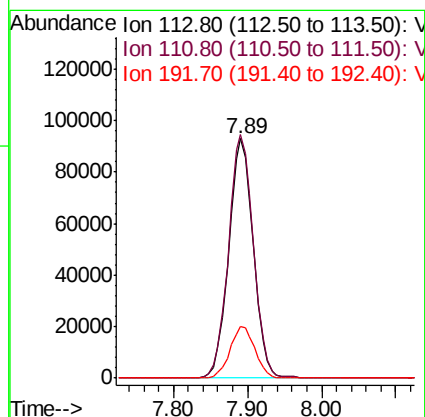
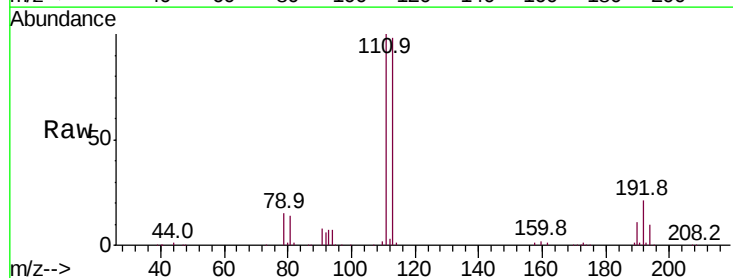
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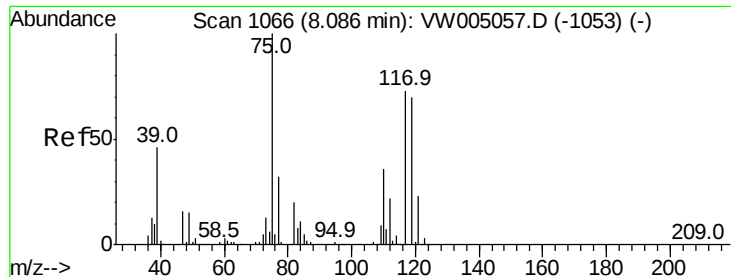
Tot Ion:114 Resp: 623480
Ion Ratio Lower Upper
114 100
63 19.8 0.0 38.0
88 15.1 0.0 30.2



#35
Dibromofluoromethane
Concen: 59.339 ug/l
RT: 7.89 min Scan# 982
Delta R.T. -0.00 min
Lab File: VW005166.D
Acq: 06 Sep 2018 16:16

Tgt Ion:113 Resp: 213799
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 21.8 18.1 27.1

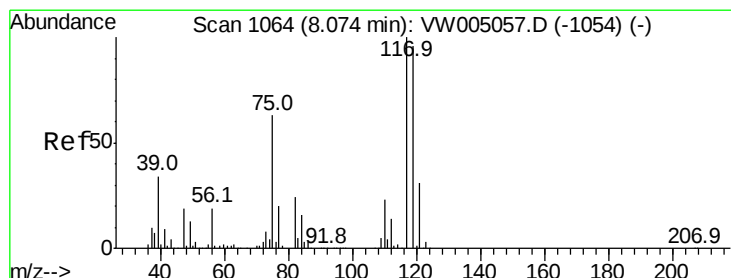
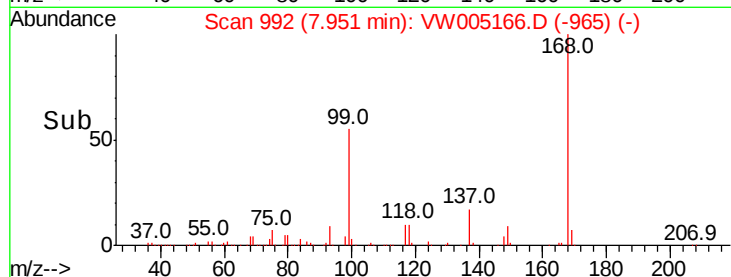
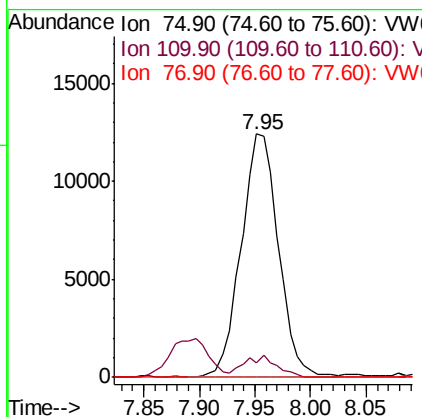
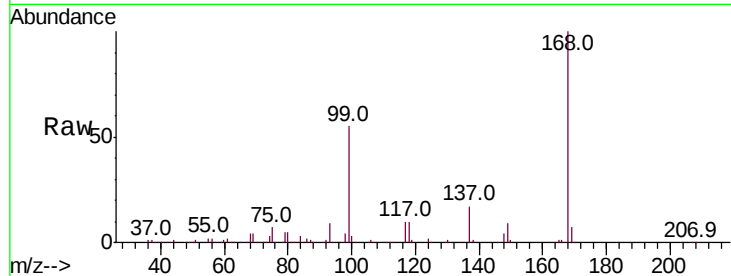




#36
 1,1-Dichloropropene
 Concen: 4.874 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW005166.D
 Acq: 06 Sep 2018 16:16

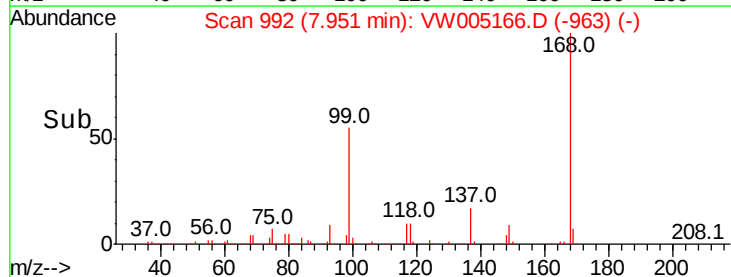
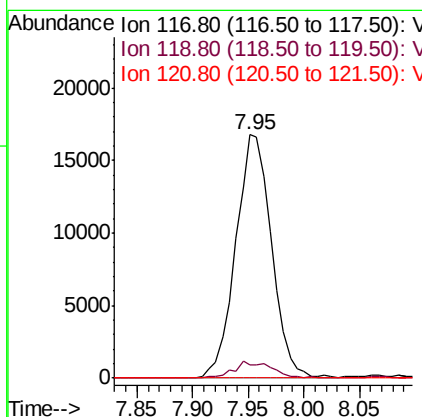
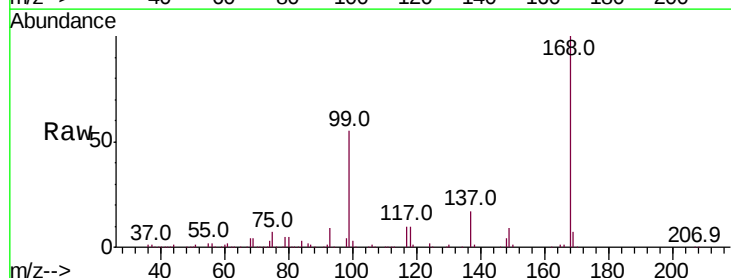
Instrument :
 MSVOA_W
 ClientSampleId :
 BZTRANS-5RE

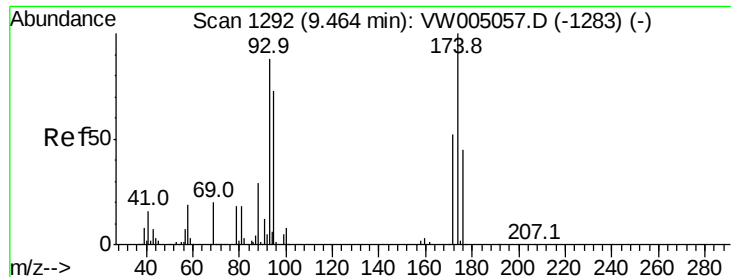
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.8	18.9	56.7#
77	0.0	25.5	38.3#



#38
 Carbon Tetrachloride
 Concen: 6.625 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW005166.D
 Acq: 06 Sep 2018 16:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.6	115.0#
121	0.0	24.8	37.2#





#49

1,4-Dioxane

Concen: 3.698 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW005166.D

Acq: 06 Sep 2018 16:16

Instrument :

MSVOA_W

ClientSampleId :

BZTRANS-5RE

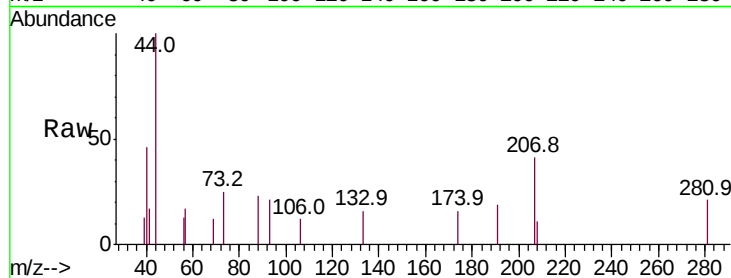
Tot Ion: 88 Resp: 127

Ion Ratio Lower Upper

88 100

43 0.0 19.8 29.6#

58 99.2 57.1 85.7#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

150

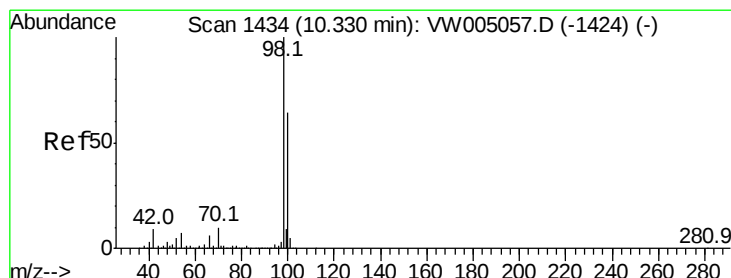
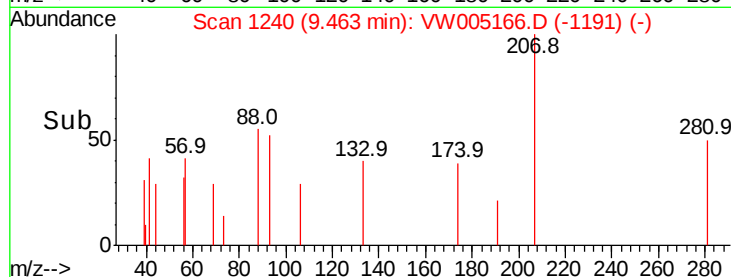
100

50

0

9.42 9.44 9.46 9.48

Time-->



#50

Toluene-d8

Concen: 53.259 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005166.D

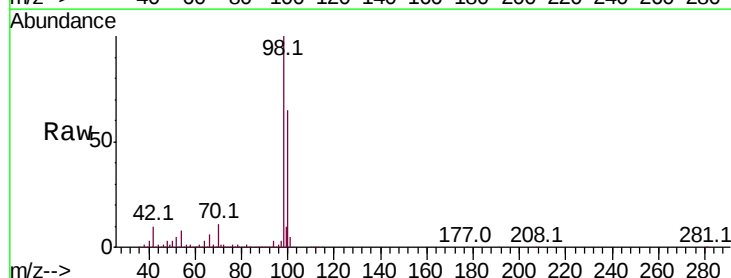
Acq: 06 Sep 2018 16:16

Tgt Ion: 98 Resp: 884196

Ion Ratio Lower Upper

98 100

100 64.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

600000

500000

400000

300000

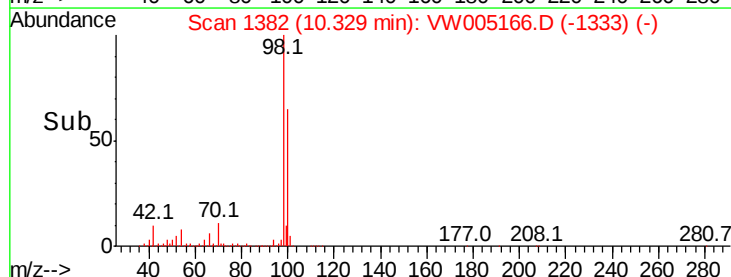
200000

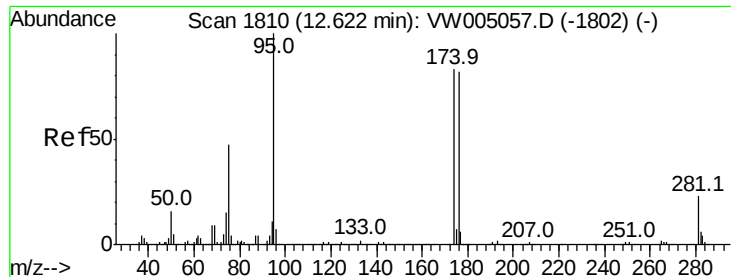
100000

0

10.20 10.30 10.40 10.50

Time-->

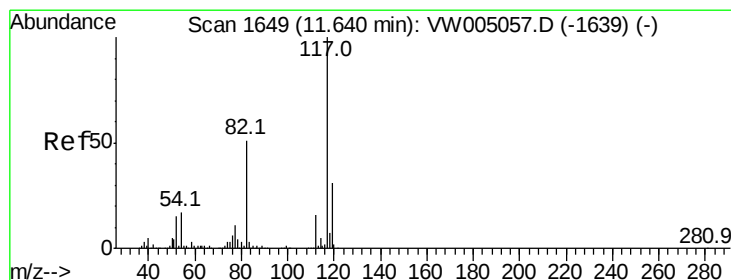
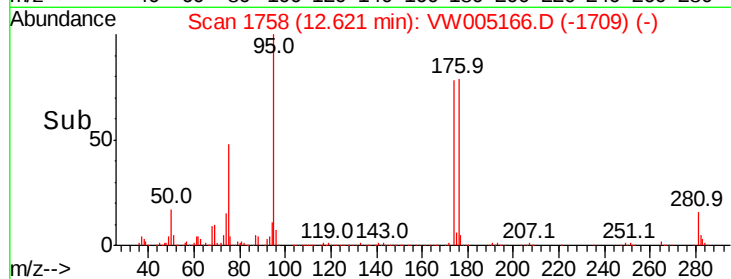
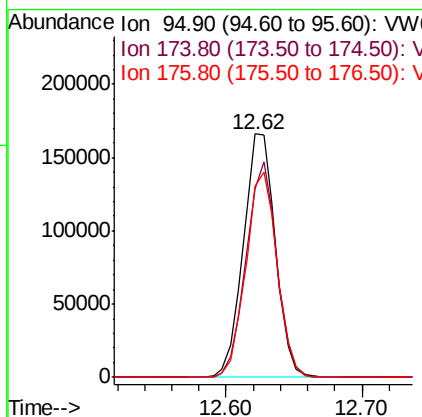
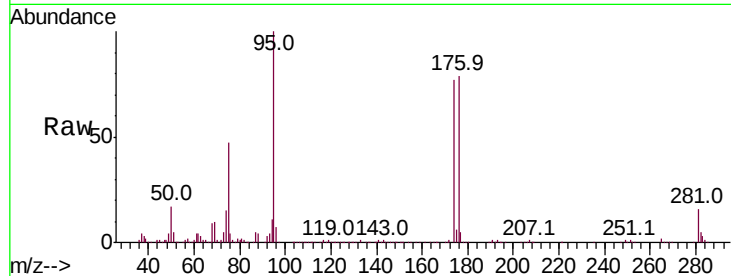




#62
4-Bromofluorobenzene
Concen: 46.560 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005166.D
Acq: 06 Sep 2018 16:16

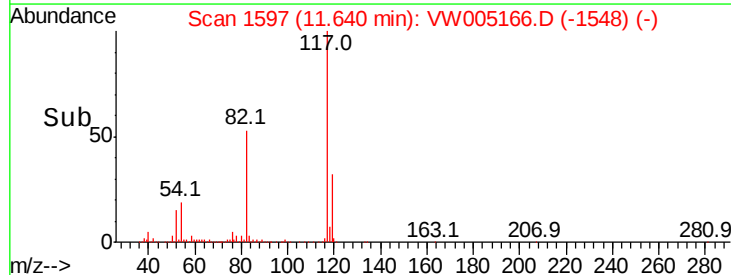
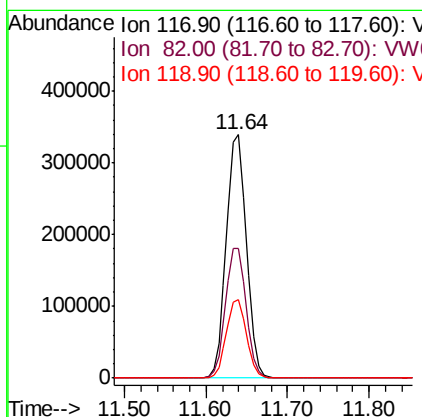
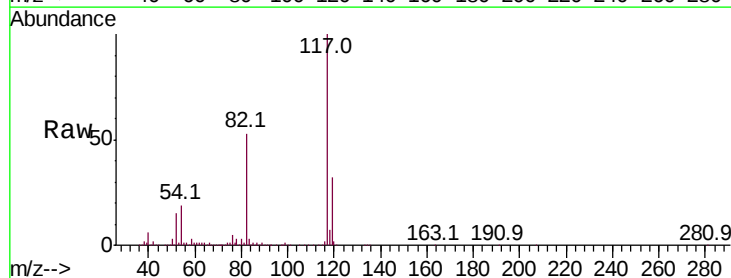
Instrument :
MSVOA_W
ClientSampleId :
BZTRANS-5RE

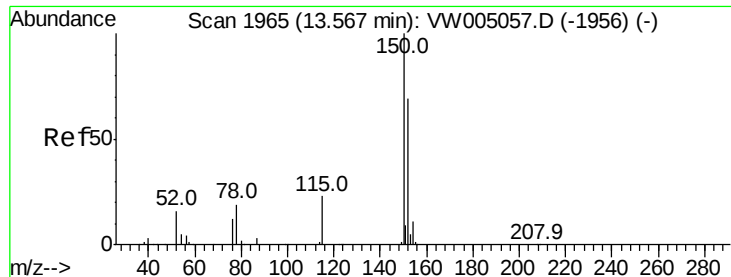
Tot Ion: 95 Resp: 272562
Ion Ratio Lower Upper
95 100
174 85.3 0.0 173.4
176 82.7 0.0 167.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005166.D
Acq: 06 Sep 2018 16:16

Tgt Ion: 117 Resp: 577924
Ion Ratio Lower Upper
117 100
82 53.3 40.9 61.3
119 32.3 24.9 37.3



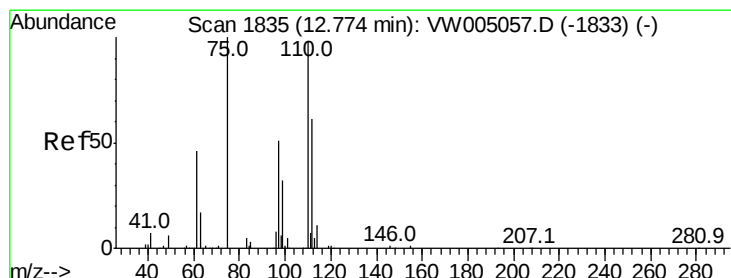
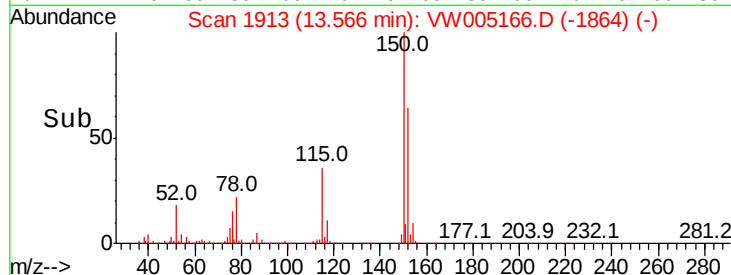
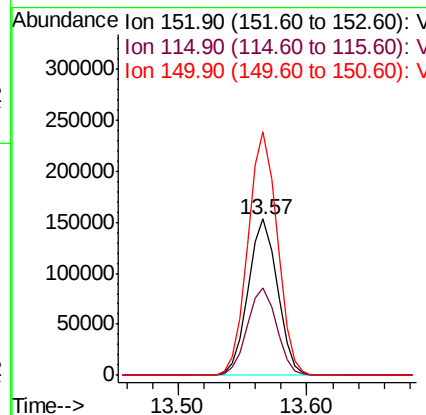
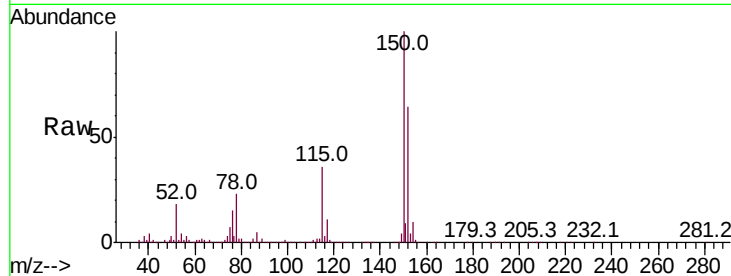


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005166.D
Acq: 06 Sep 2018 16:16

Instrument :
MSVOA_W
ClientSampleId :
BZTRANS-5RE

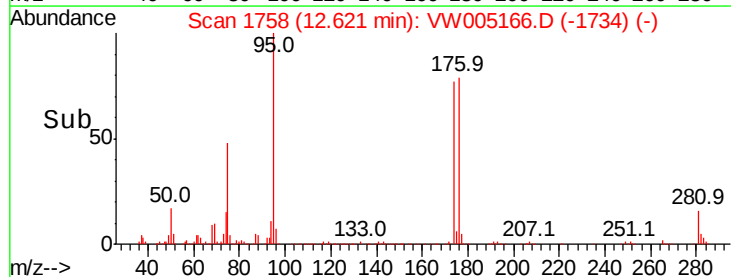
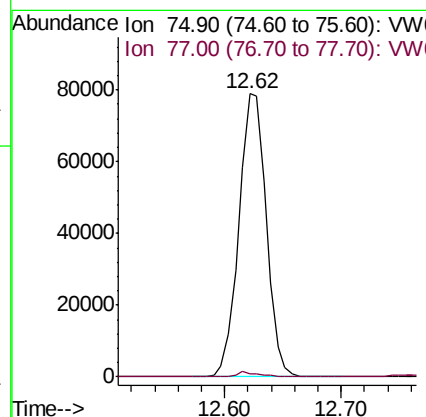
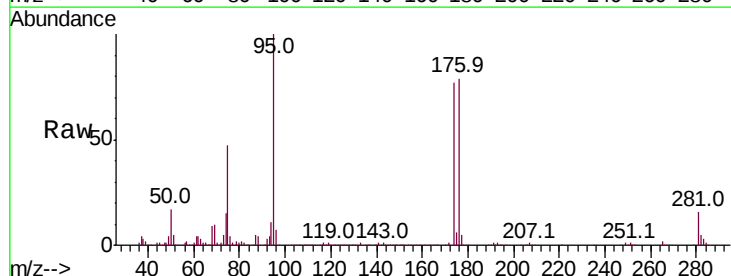
Tot Ion:152 Resp: 240351
Ion Ratio Lower Upper
152 100
115 56.0 27.8 83.4
150 155.7 0.0 351.4

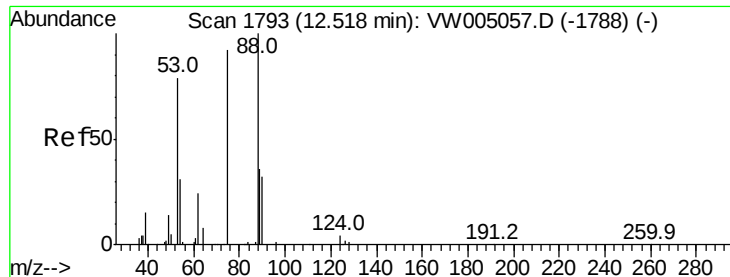


#76

1,2,3-Trichloropropane
Concen: 71.704 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW005166.D
Acq: 06 Sep 2018 16:16

Tgt Ion: 75 Resp: 129363
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 172.583 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW005166.D

Acq: 06 Sep 2018 16:16

Instrument :

MSVOA_W

ClientSampleId :

BZTRANS-5RE

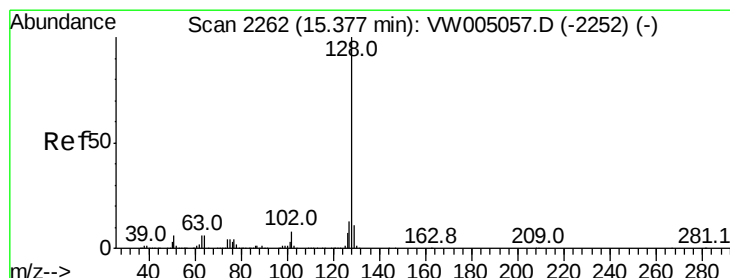
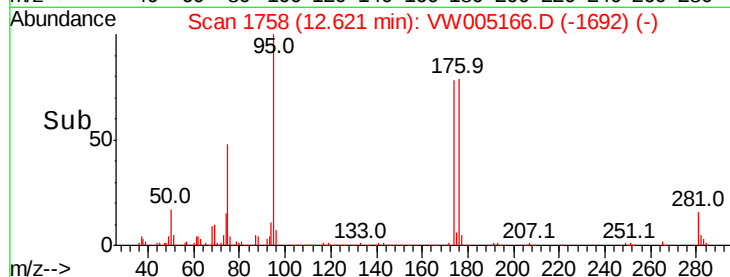
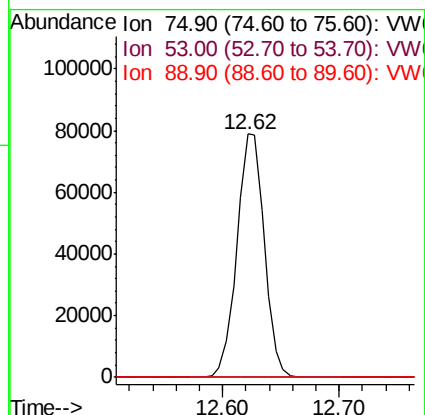
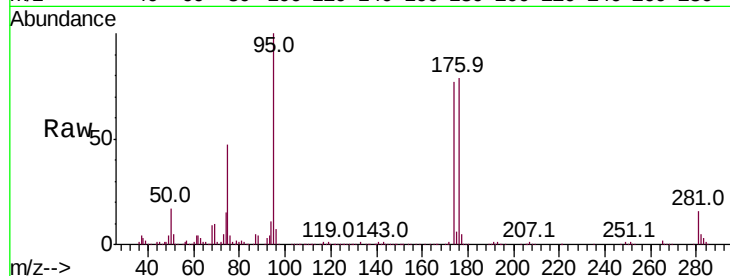
Tot Ion: 75 Resp: 129363

Ion Ratio Lower Upper

75 100

53 0.5 69.8 104.8#

89 0.0 36.0 54.0#



#95

Naphthalene

Concen: 4.163 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005166.D

Acq: 06 Sep 2018 16:16

Tgt Ion: 128 Resp: 1727

Ion Ratio Lower Upper

128 100

127 18.0 10.4 15.6#

129 12.2 8.7 13.1

