

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081018\
 Data File : VW004539.D
 Acq On : 08 Aug 2018 20:43
 Operator : SY/AP
 Sample : J4310-05RE
 Misc : 5.14G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-080918-A

Quant Time: Aug 09 05:16:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

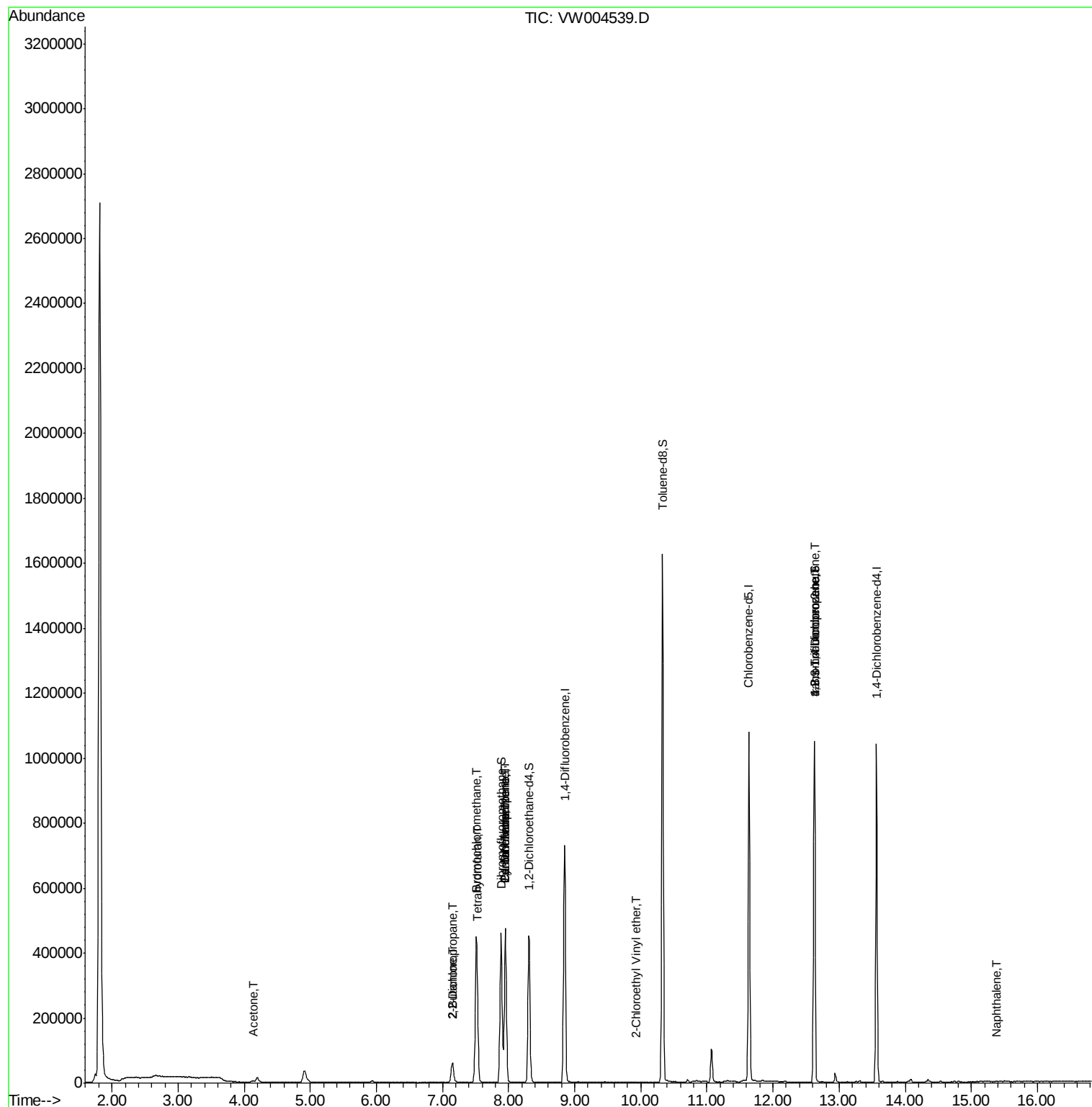
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	352566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	611162	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	603552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	273082	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	352968	90.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	180.88%	
35) Dibromofluoromethane	7.88	113	325482	79.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	159.74%	
50) Toluene-d8	10.33	98	1073296	69.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	138.18%	
62) 4-Bromofluorobenzene	12.63	95	356221	63.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	127.30%	
Target Compounds						
					Qvalue	
16) Acetone	4.13	43	8552	8.774	ug/l #	83
20) Methylene Chloride	4.91	84	34486	Below Cal		96
25) 2-Butanone	7.15	43	3959	2.525	ug/l #	72
26) 2,2-Dichloropropane	7.14	77	4153	1.036	ug/l #	50
28) Bromochloromethane	7.51	49	275955	83.007	ug/l	99
29) Tetrahydrofuran	7.53	42	2510	3.097	ug/l	93
31) Cyclohexane	7.95	56	7719	1.056	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	28994	4.406	ug/l #	48
38) Carbon Tetrachloride	7.95	117	33964	5.736	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.93	63	508	9.162	ug/l #	65
76) 1,2,3-Trichloropropane	12.62	75	173578	61.426	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	173578	147.046	ug/l #	12
95) Naphthalene	15.38	128	1475	3.029	ug/l #	92

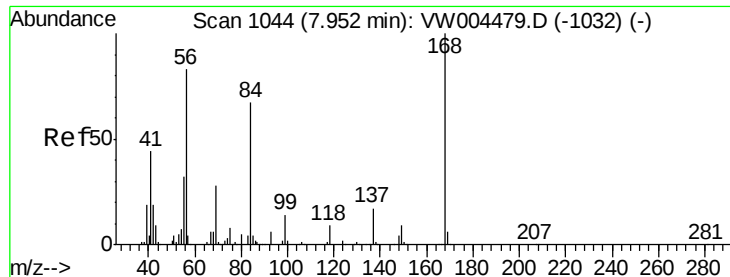
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004539.D

Acq: 08 Aug 2018 20:43

Instrument :

MSVOA_W

ClientSampleId :

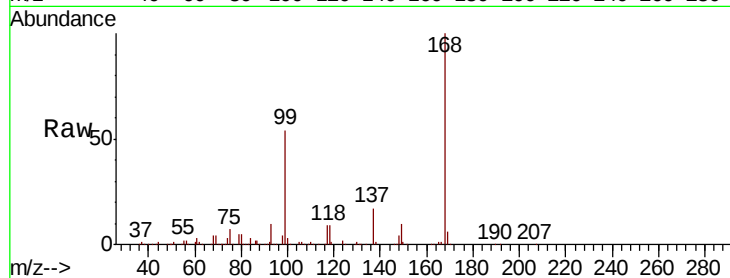
JC-03-080918-A

Tgt Ion:168 Resp: 352566

Ion Ratio Lower Upper

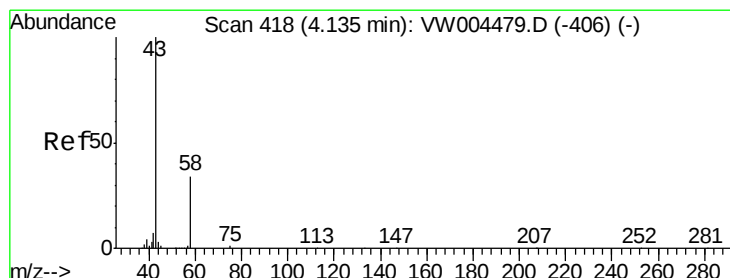
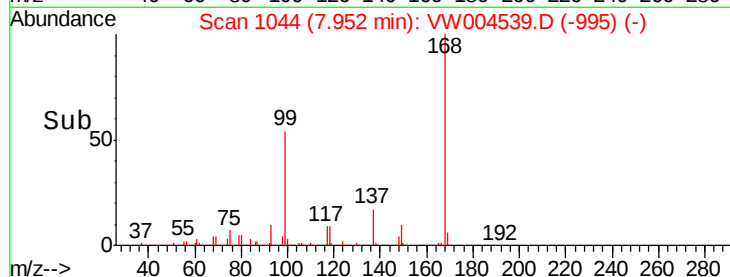
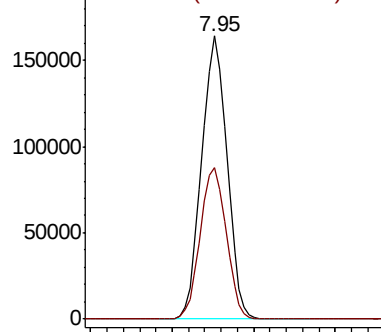
168 100

99 53.7 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 8.774 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

Lab File: VW004539.D

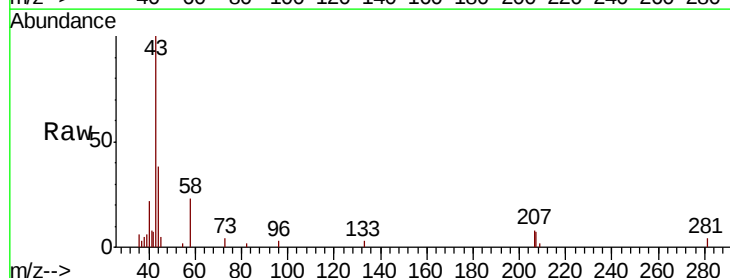
Acq: 08 Aug 2018 20:43

Tgt Ion: 43 Resp: 8552

Ion Ratio Lower Upper

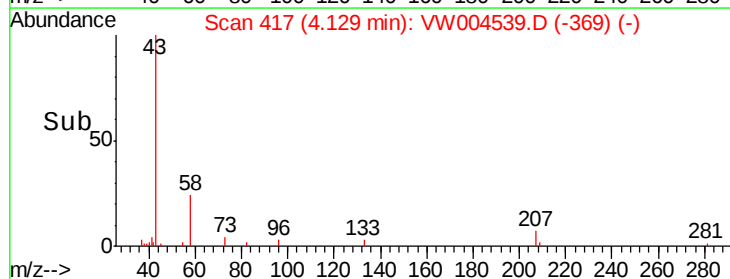
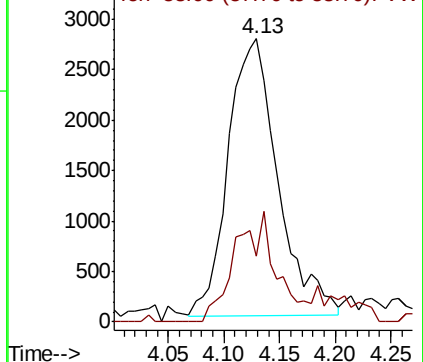
43 100

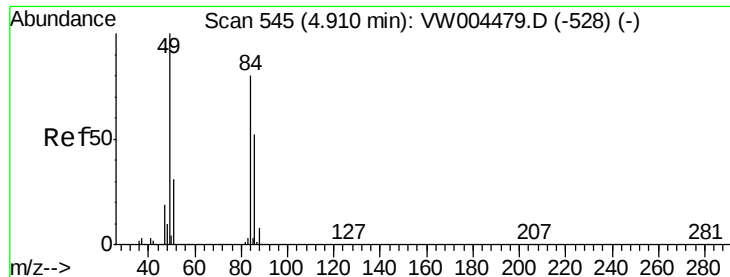
58 23.7 26.8 40.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

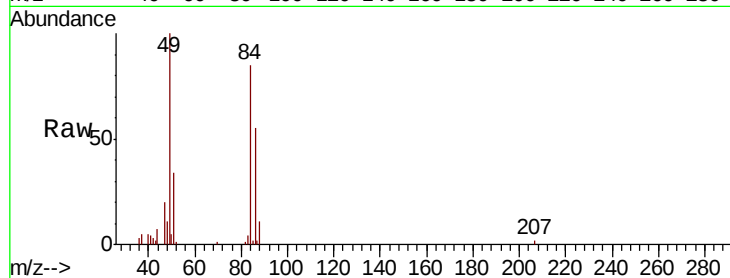




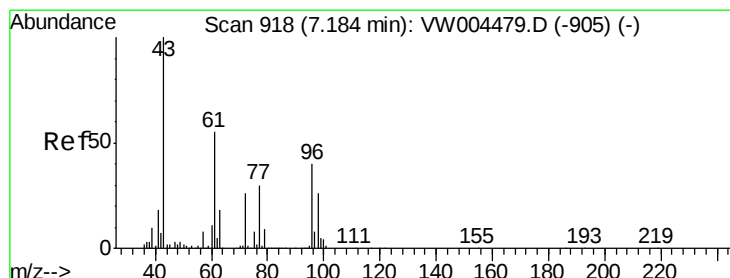
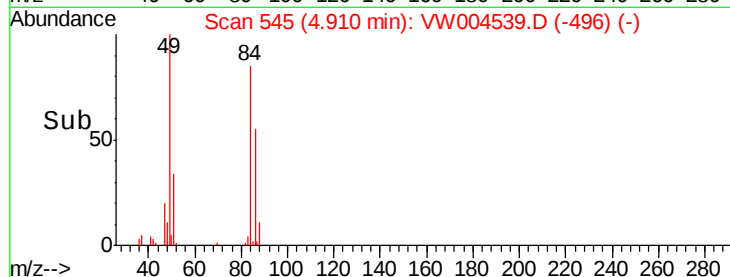
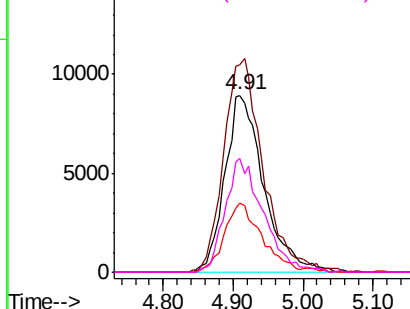
#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004539.D
Acq: 08 Aug 2018 20:43

Instrument :
MSVOA_W
ClientSampleId :
JC-03-080918-A

Tgt Ion:	84	Resp:	34486
Ion	Ratio	Lower	Upper
84	100		
49	117.7	99.6	149.4
51	39.4	31.0	46.4
86	64.2	51.5	77.3

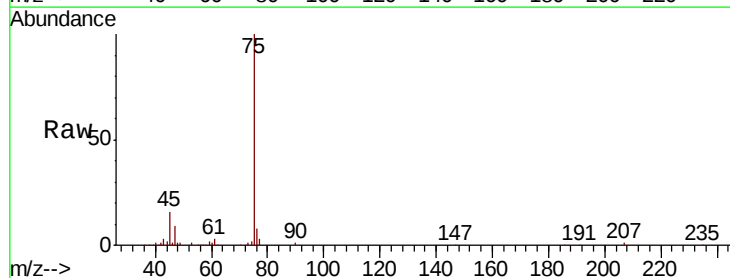


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

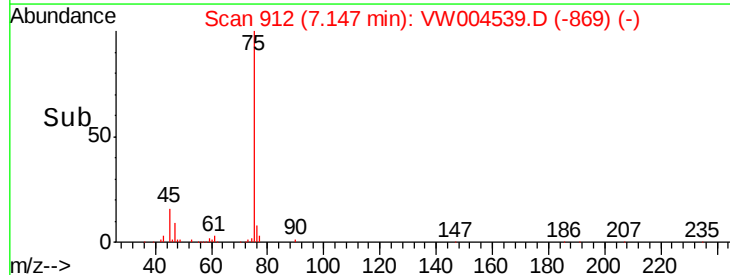
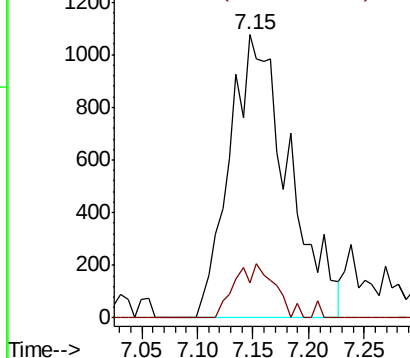


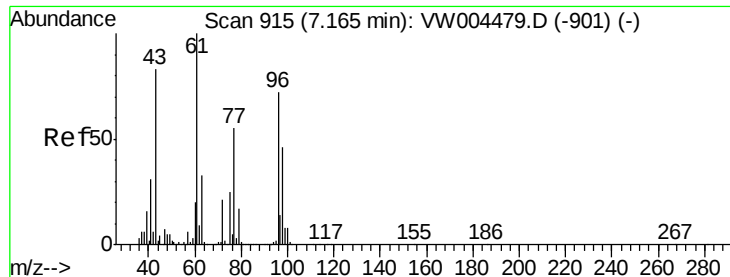
#25
2-Butanone
Concen: 2.525 ug/l
RT: 7.15 min Scan# 912
Delta R.T. -0.04 min
Lab File: VW004539.D
Acq: 08 Aug 2018 20:43

Tgt Ion:	43	Resp:	3959
Ion	Ratio	Lower	Upper
43	100		
72	12.2	21.0	31.6#



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





#26

2,2-Dichloropropane

Concen: 1.036 ug/l

RT: 7.14 min Scan# 911

Delta R.T. -0.02 min

Lab File: VW004539.D

Acq: 08 Aug 2018 20:43

Instrument :

MSVOA_W

ClientSampleId :

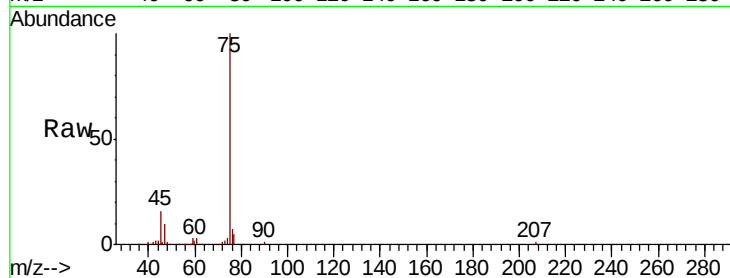
JC-03-080918-A

Tgt Ion: 77 Resp: 4153

Ion Ratio Lower Upper

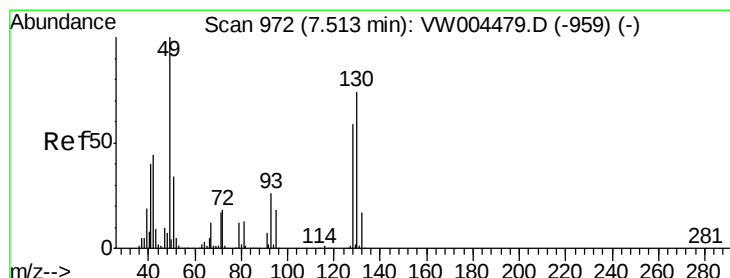
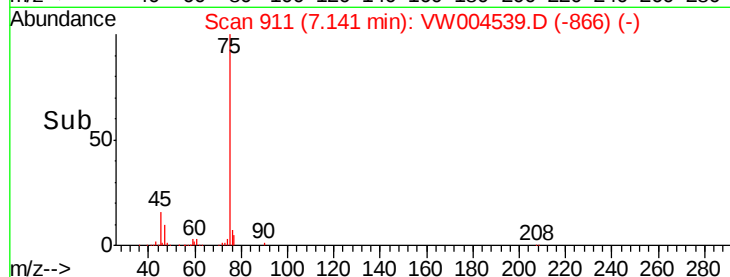
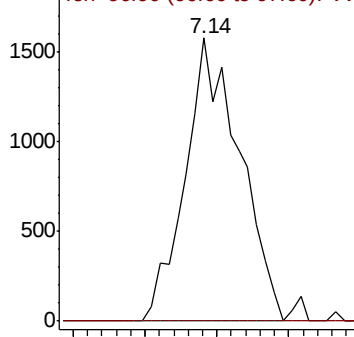
77 100

97 0.0 12.5 37.5#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



#28

Bromochloromethane

Concen: 83.007 ug/l

RT: 7.51 min Scan# 972

Delta R.T. 0.00 min

Lab File: VW004539.D

Acq: 08 Aug 2018 20:43

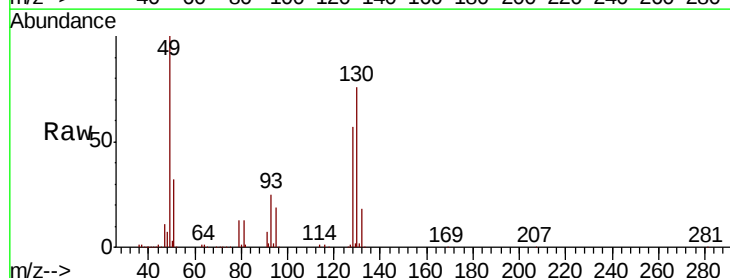
Tgt Ion: 49 Resp: 275955

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.0

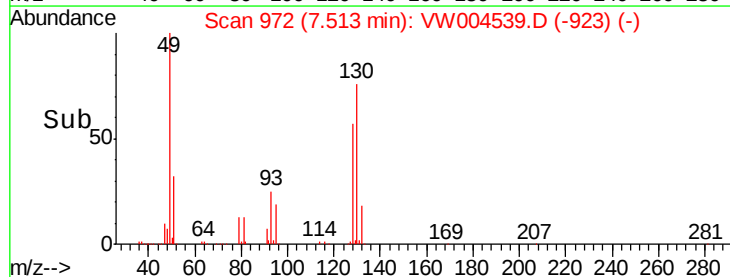
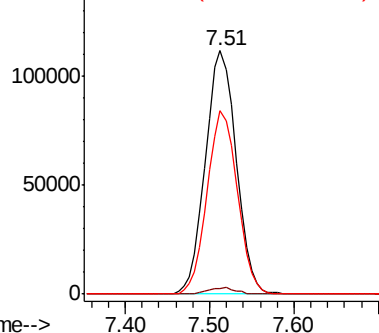
130 74.2 58.8 88.2

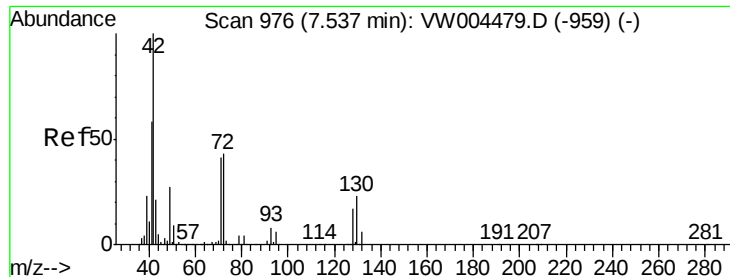


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 3.097 ug/l

RT: 7.53 min Scan# 975

Delta R.T. -0.01 min

Lab File: VW004539.D

Acq: 08 Aug 2018 20:43

Instrument :

MSVOA_W

ClientSampleId :

JC-03-080918-A

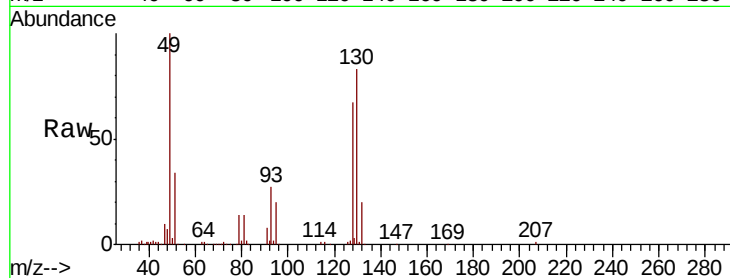
Tgt Ion: 42 Resp: 2510

Ion Ratio Lower Upper

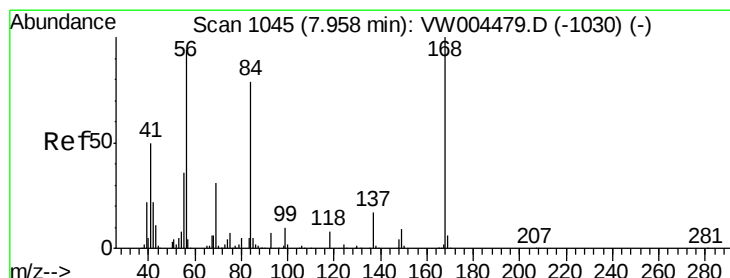
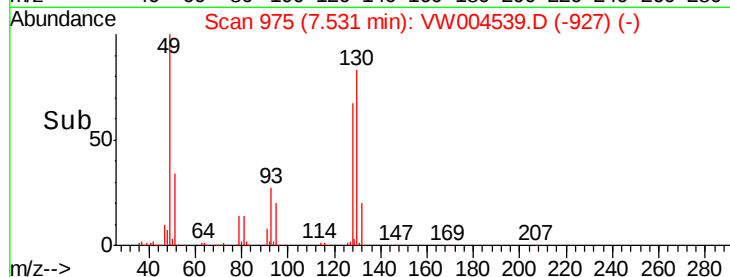
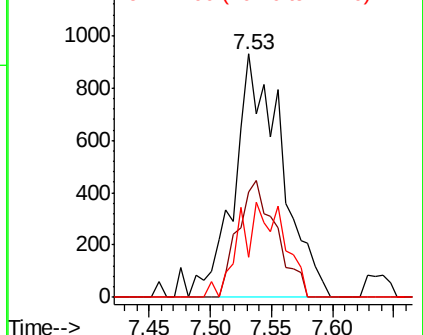
42 100

72 38.8 34.1 51.1

71 36.1 32.5 48.7



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.056 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW004539.D

Acq: 08 Aug 2018 20:43

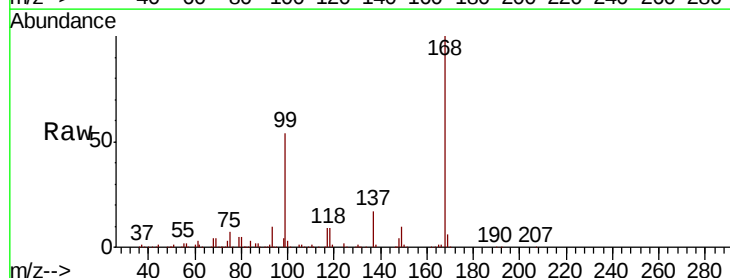
Tgt Ion: 56 Resp: 7719

Ion Ratio Lower Upper

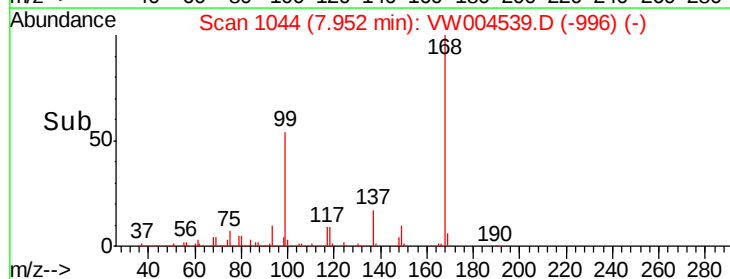
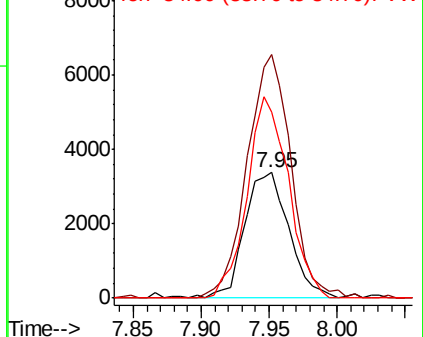
56 100

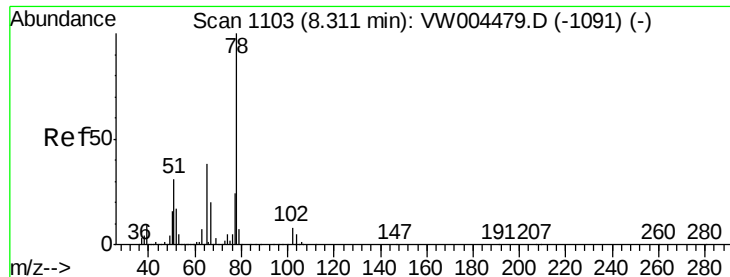
69 194.1 26.4 39.6#

84 147.9 66.9 100.3#



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: 90.440 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VW004539.D

Acq: 08 Aug 2018 20:43

Instrument :

MSVOA_W

ClientSampleId :

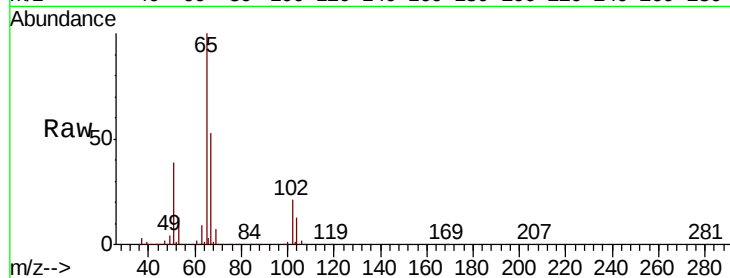
JC-03-080918-A

Tgt Ion: 65 Resp: 352968

Ion Ratio Lower Upper

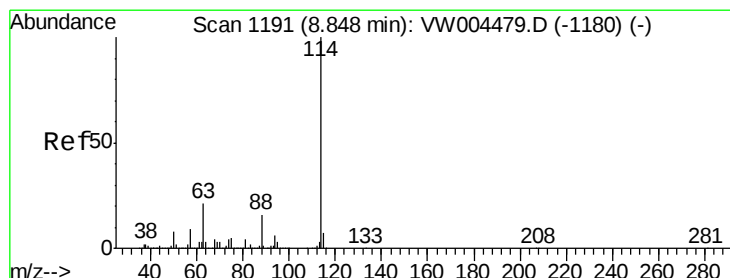
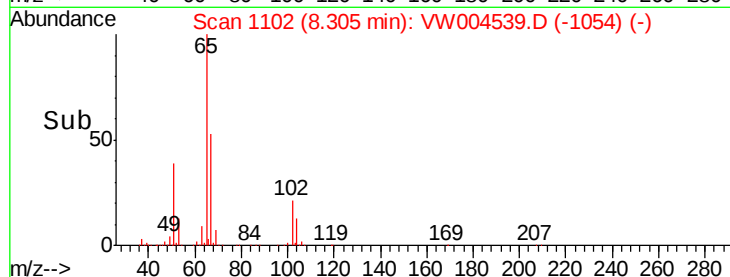
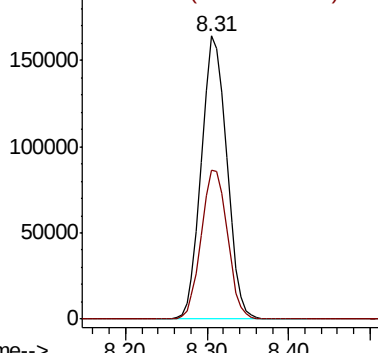
65 100

67 54.4 0.0 109.0



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: VW004539.D

Acq: 08 Aug 2018 20:43

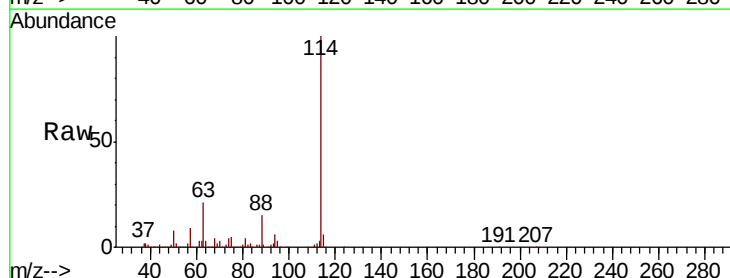
Tgt Ion: 114 Resp: 611162

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

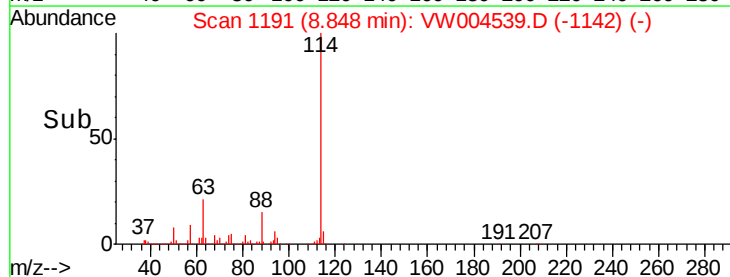
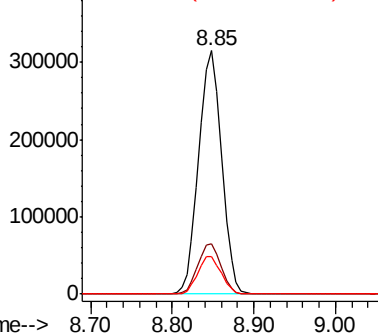
88 15.2 0.0 31.2

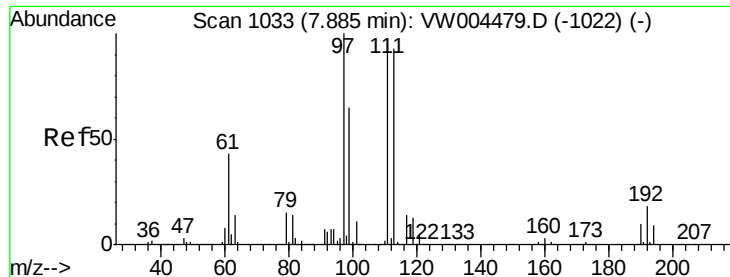


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 79.872 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW004539.D

Acq: 08 Aug 2018 20:43

Instrument :

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ClientSampleId :

JC-03-080918-A

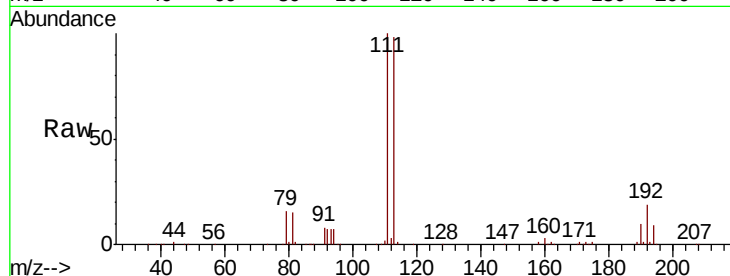
Tgt Ion:113 Resp: 325482

Ion Ratio Lower Upper

113 100

111 103.1 82.9 124.3

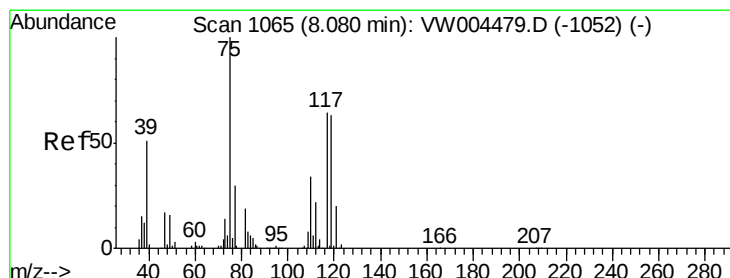
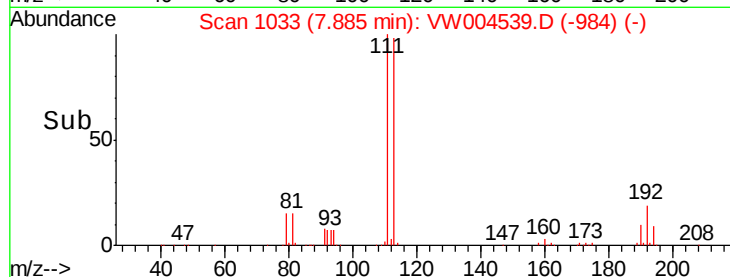
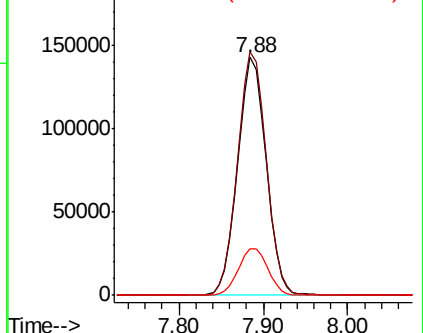
192 20.4 15.8 23.6



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: 4.406 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW004539.D

Acq: 08 Aug 2018 20:43

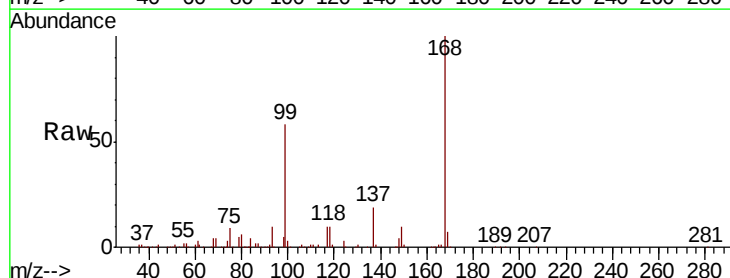
Tgt Ion: 75 Resp: 28994

Ion Ratio Lower Upper

75 100

110 7.4 17.4 52.2#

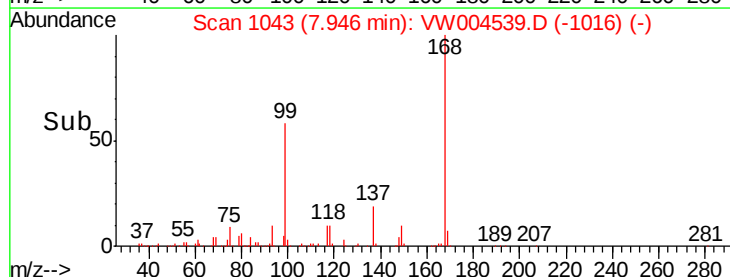
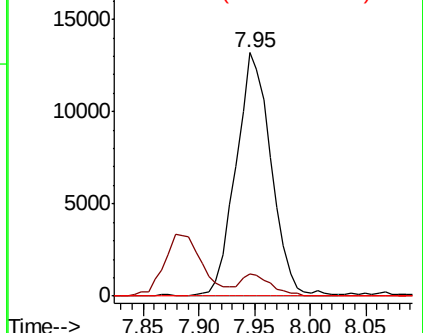
77 0.0 24.7 37.1#

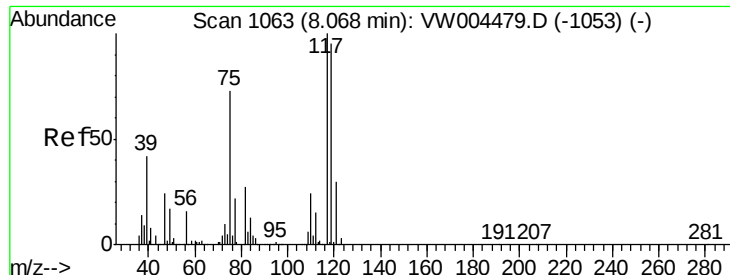


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

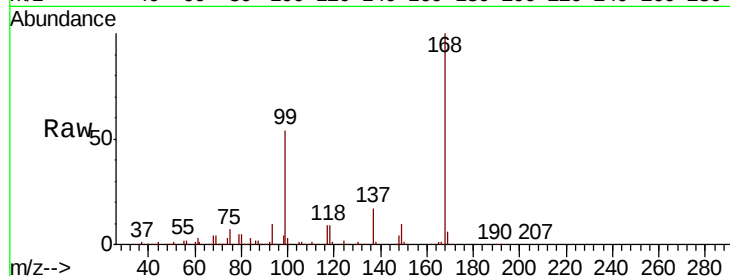




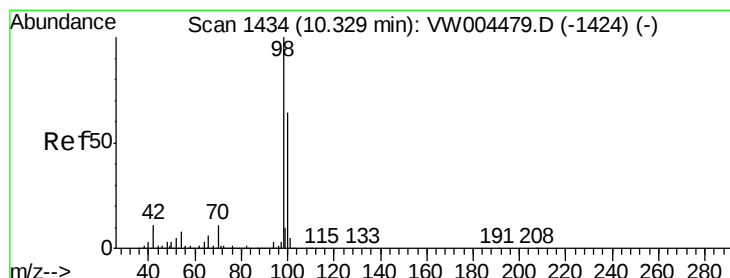
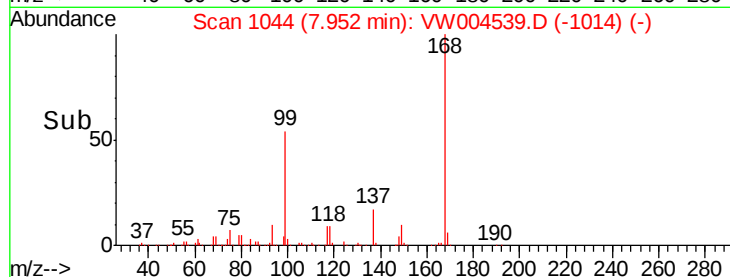
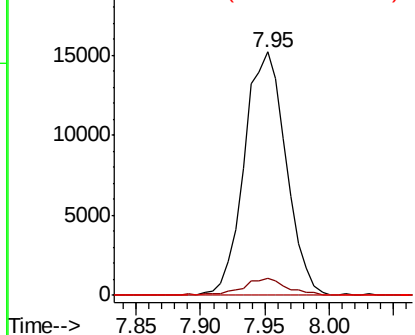
#38
Carbon Tetrachloride
Concen: 5.736 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW004539.D
Acq: 08 Aug 2018 20:43

Instrument :
MSVOA_W
ClientSampleId :
JC-03-080918-A

Tgt Ion:117 Resp: 33964
Ion Ratio Lower Upper
117 100
119 7.2 76.1 114.1#
121 0.0 24.2 36.4#

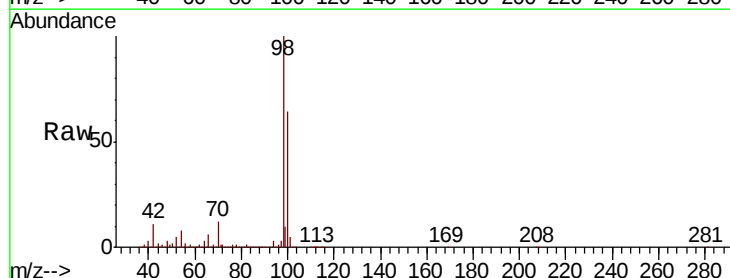


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

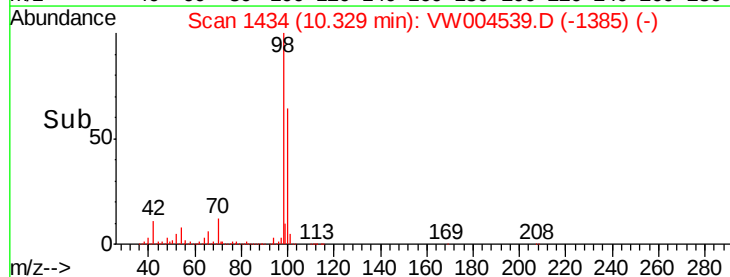
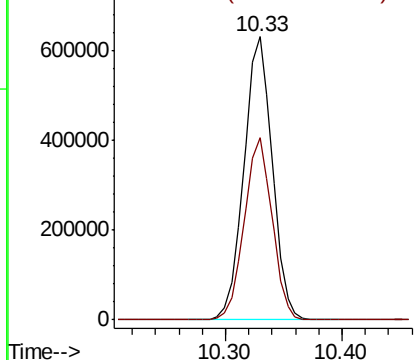


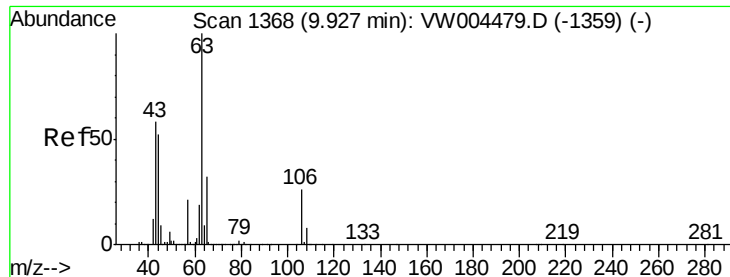
#50
Toluene-d8
Concen: 69.087 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004539.D
Acq: 08 Aug 2018 20:43

Tgt Ion: 98 Resp: 1073296
Ion Ratio Lower Upper
98 100
100 63.2 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): V

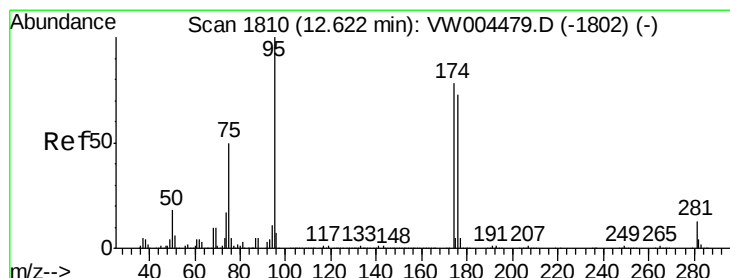
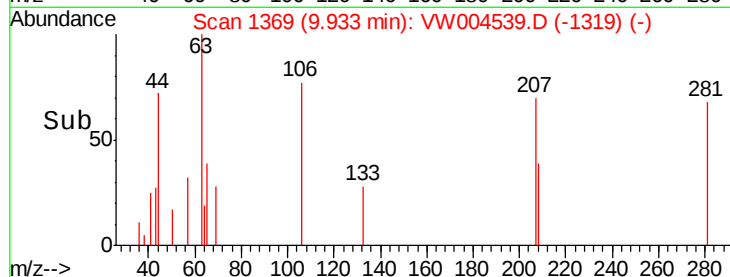
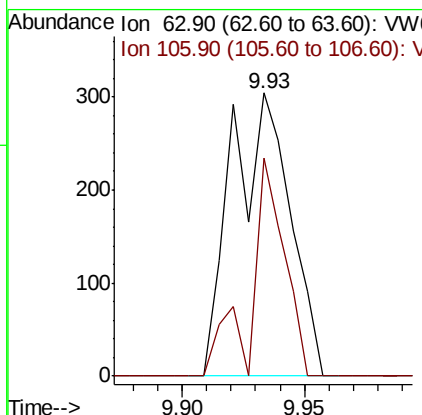
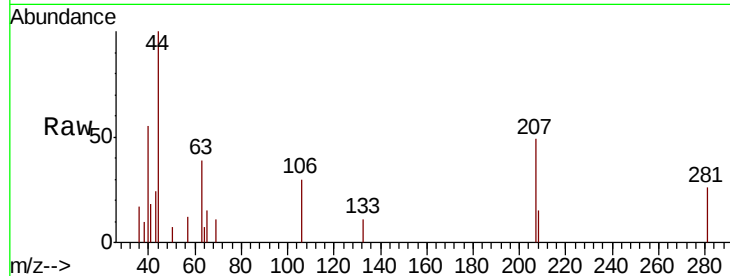




#58
 2-Chloroethyl Vinyl ether
 Concen: 9.162 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.01 min
 Lab File: VW004539.D
 Acq: 08 Aug 2018 20:43

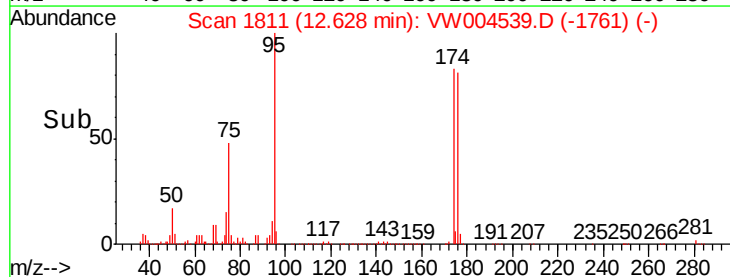
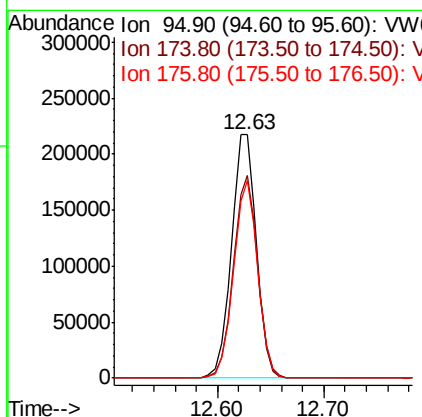
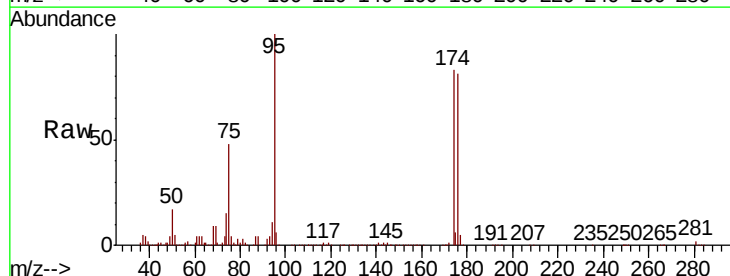
Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-080918-A

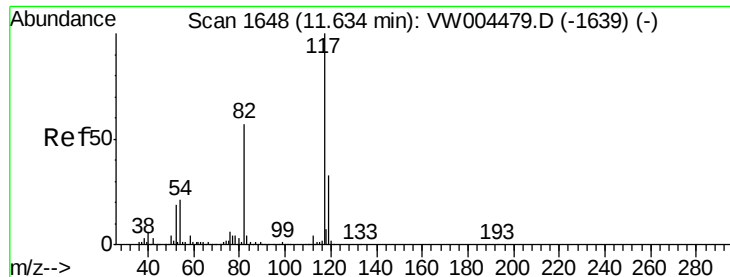
Tgt Ion: 63 Resp: 508
 Ion Ratio Lower Upper
 63 100
 106 44.5 21.3 31.9#



#62
 4-Bromofluorobenzene
 Concen: 63.654 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.01 min
 Lab File: VW004539.D
 Acq: 08 Aug 2018 20:43

Tgt Ion: 95 Resp: 356221
 Ion Ratio Lower Upper
 95 100
 174 81.1 0.0 160.4
 176 78.3 0.0 153.2

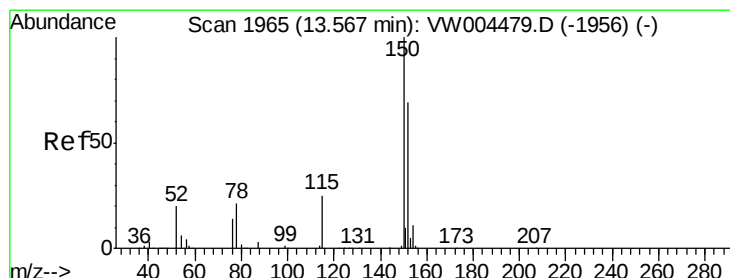
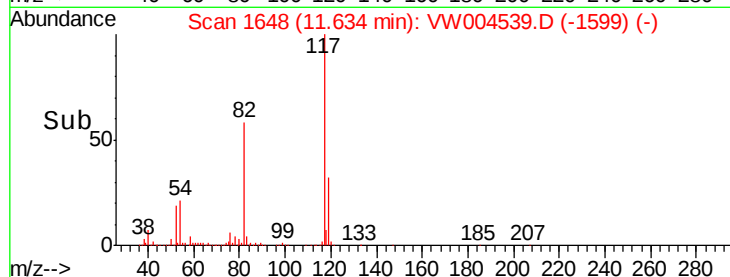
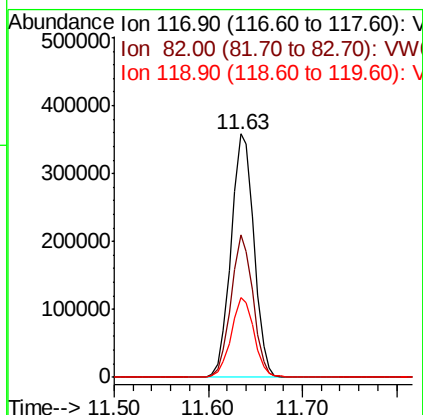
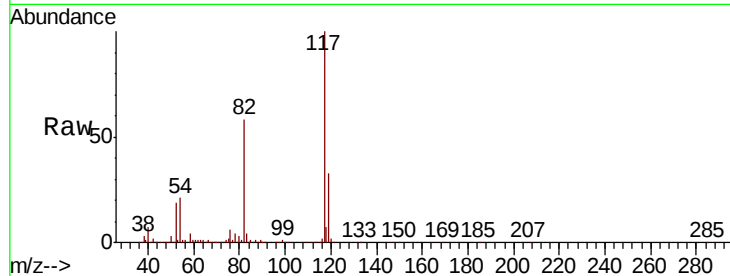




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004539.D
Acq: 08 Aug 2018 20:43

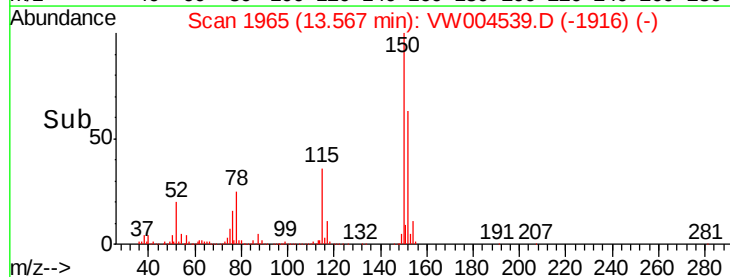
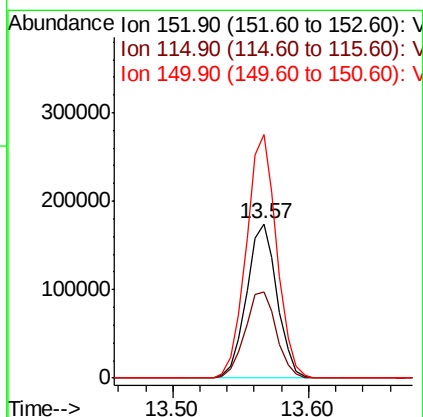
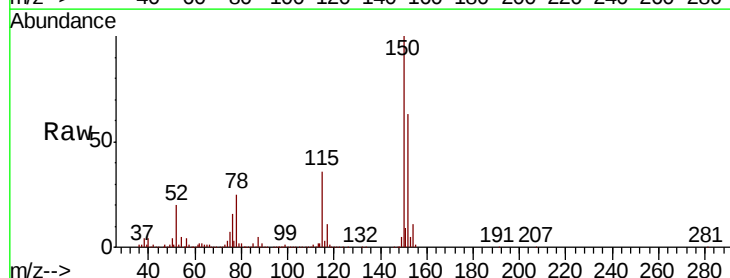
Instrument :
MSVOA_W
ClientSampleId :
JC-03-080918-A

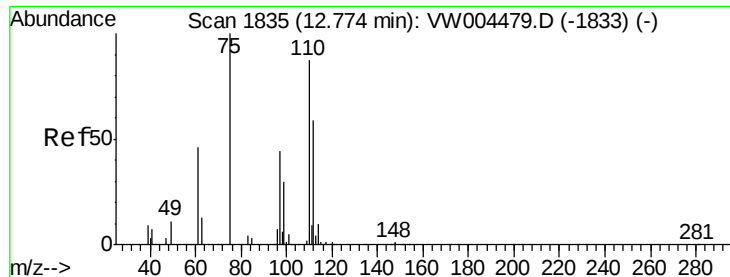
Tgt Ion:117 Resp: 603552
Ion Ratio Lower Upper
117 100
82 58.3 45.3 67.9
119 32.6 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004539.D
Acq: 08 Aug 2018 20:43

Tgt Ion:152 Resp: 273082
Ion Ratio Lower Upper
152 100
115 57.9 29.1 87.3
150 157.4 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 61.426 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004539.D

Acq: 08 Aug 2018 20:43

Instrument :

MSVOA_W

ClientSampleId :

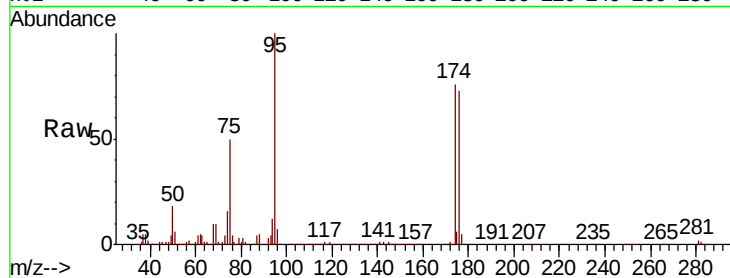
JC-03-080918-A

Tgt Ion: 75 Resp: 173578

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

120000

100000

80000

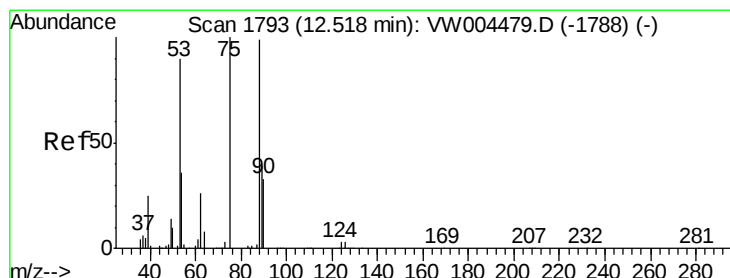
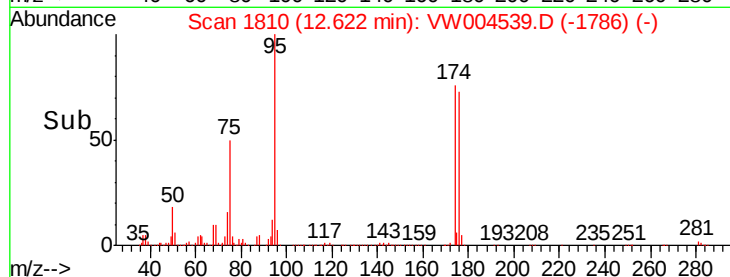
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 147.046 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004539.D

Acq: 08 Aug 2018 20:43

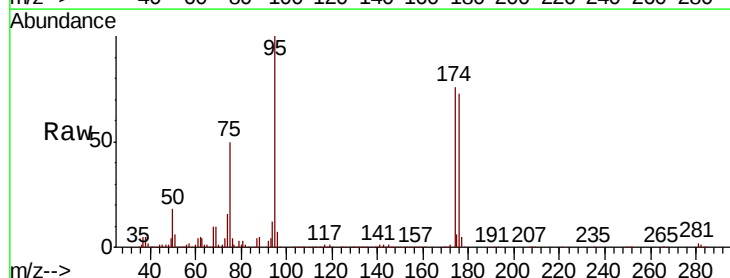
Tgt Ion: 75 Resp: 173578

Ion Ratio Lower Upper

75 100

53 0.3 74.4 111.6#

89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

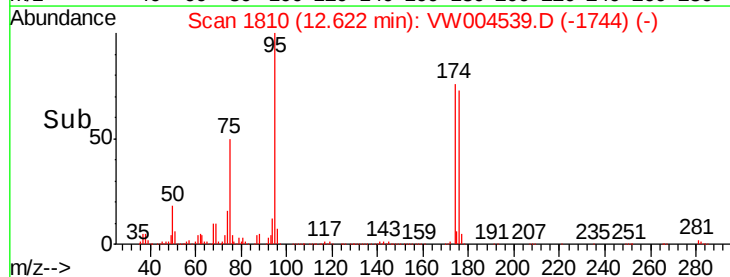
150000

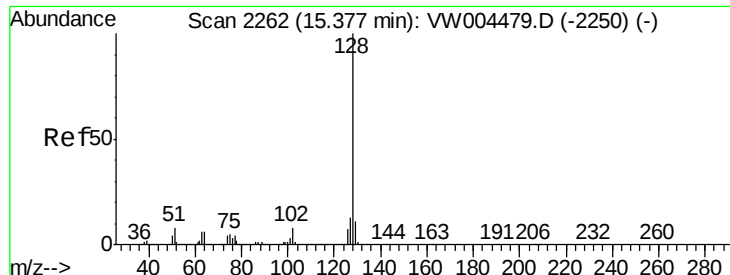
100000

50000

0

Time-->





#95

Naphthalene

Concen: 3.029 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004539.D

Acq: 08 Aug 2018 20:43

Instrument :

MSVOA_W

ClientSampleId :

JC-03-080918-A

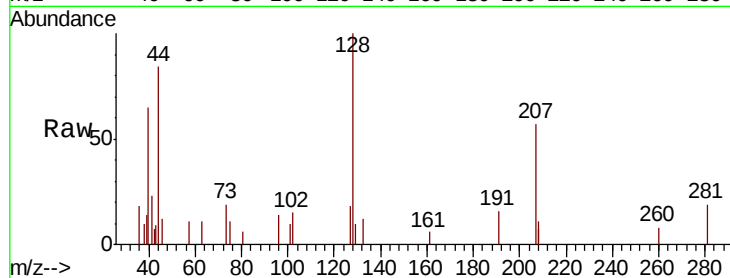
Tgt Ion:128 Resp: 1475

Ion Ratio Lower Upper

128 100

127 9.8 10.3 15.5#

129 7.9 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

