

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081719\
 Data File : VW011964.D
 Acq On : 16 Aug 2019 14:52
 Operator : SY/VA
 Sample : K4366-01
 Misc : 5.79G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PX-1

Quant Time: Aug 17 04:59:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	230535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	392324	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	337113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	144414	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	157916	59.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.30%	
35) Dibromofluoromethane	7.88	113	118719	53.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.88%	
50) Toluene-d8	10.32	98	483228	53.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.24%	
62) 4-Bromofluorobenzene	12.62	95	205198	63.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	127.74%	

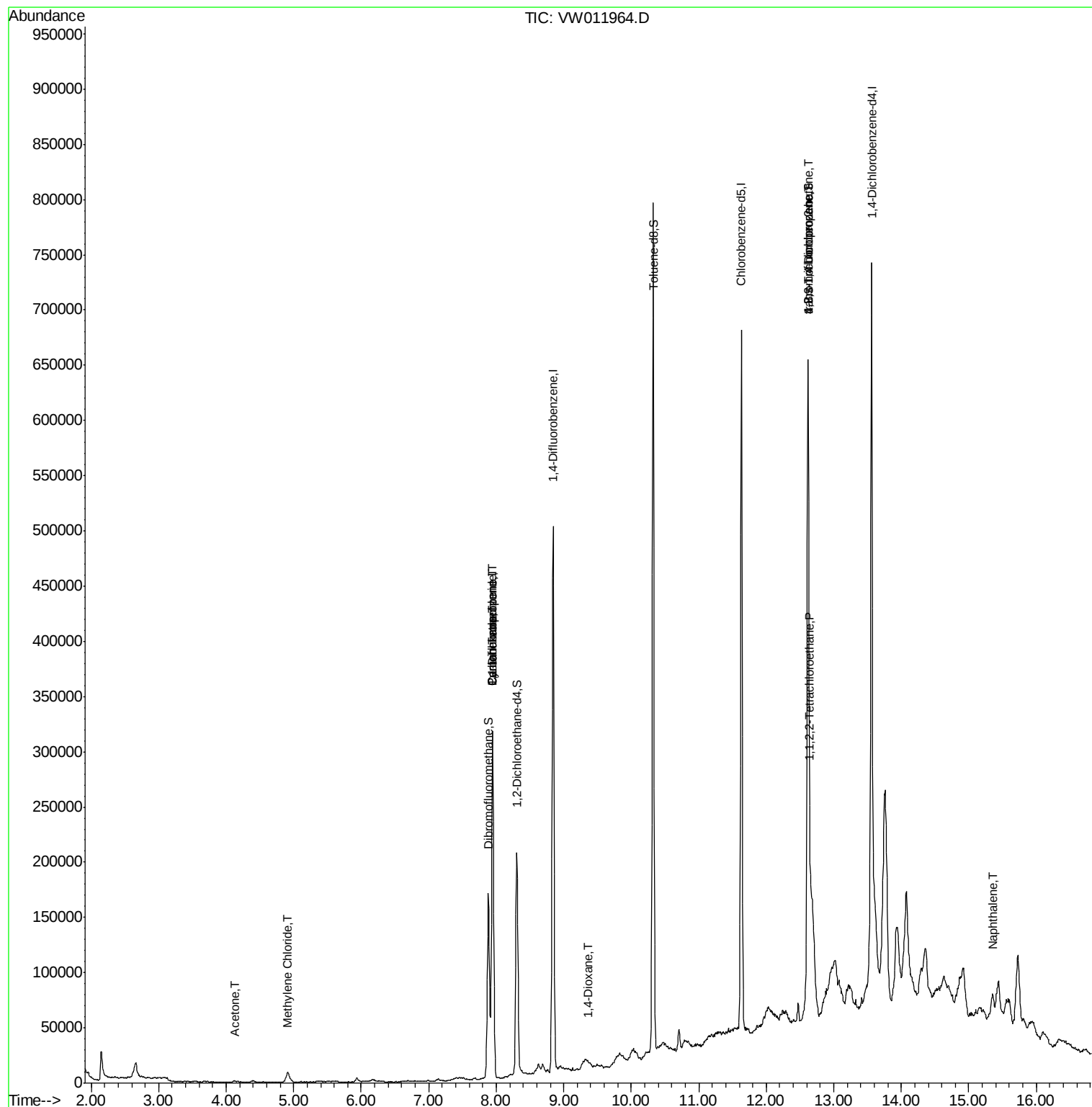
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	115	Below Cal	#	82
16) Acetone	4.13	43	2075	2.464	ug/l	96
20) Methylene Chloride	4.91	84	6770	2.331	ug/l	90
31) Cyclohexane	7.95	56	5794	1.171	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19382	4.751	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22815	6.533	ug/l #	16
49) 1,4-Dioxane	9.37	88	26	1.287	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.65	83	45852	22.626	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	86834	56.826	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86834	130.964	ug/l #	10
95) Naphthalene	15.35	128	291	2.115	ug/l #	30

(#) = 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# 991

Delta R.T. -0.00 min

Lab File: VW011964.D

Acq: 16 Aug 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

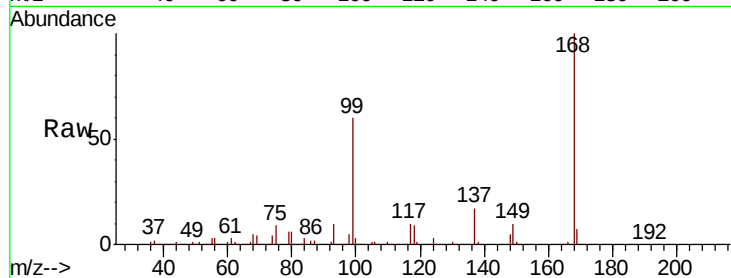
PX-1

Tgt Ion:168 Resp: 230535

Ion Ratio Lower Upper

168 100

99 60.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

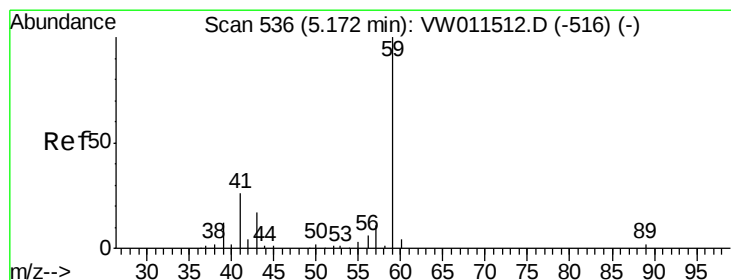
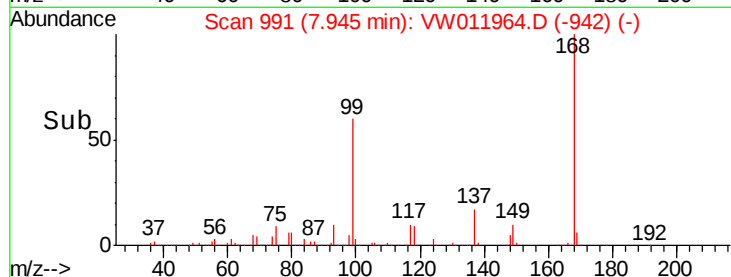
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW011964.D

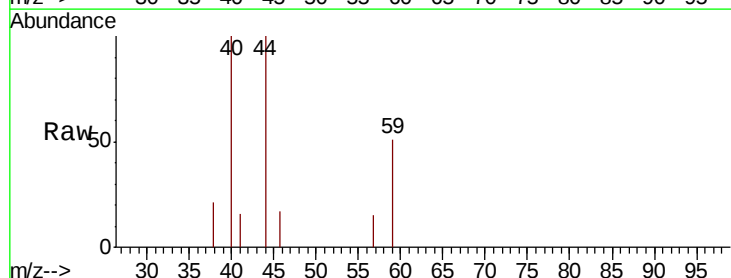
Acq: 16 Aug 2019 14:52

Tgt Ion: 59 Resp: 115

Ion Ratio Lower Upper

59 100

57 17.4 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

200

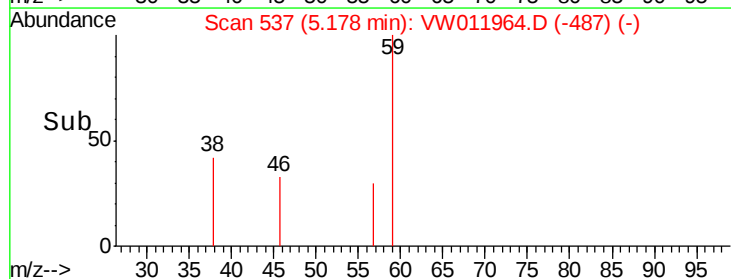
150

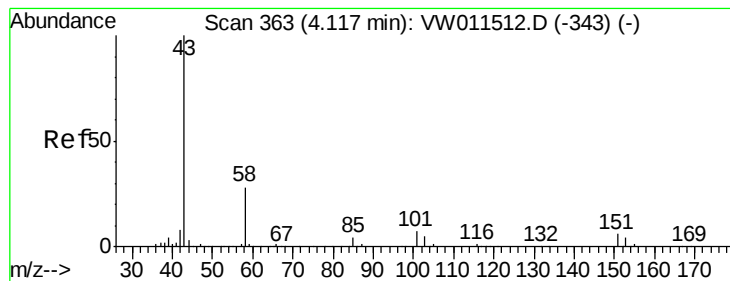
100

50

0

Time--> 5.16 5.17 5.18 5.19





#16

Acetone

Concen: 2.464 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011964.D

Acq: 16 Aug 2019 14:52

Instrument :

MSVOA_W

ClientSampled :

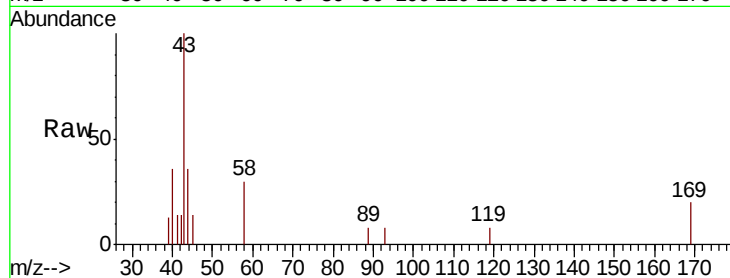
PX-1

Tgt Ion: 43 Resp: 2075

Ion Ratio Lower Upper

43 100

58 29.9 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

600

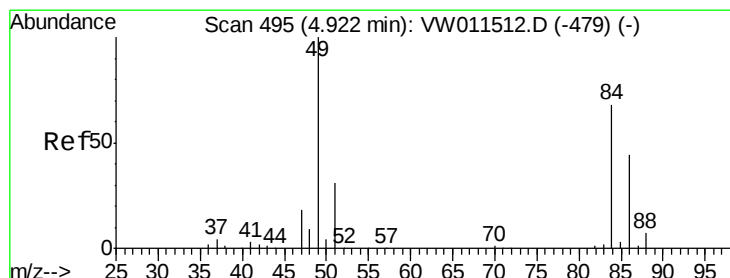
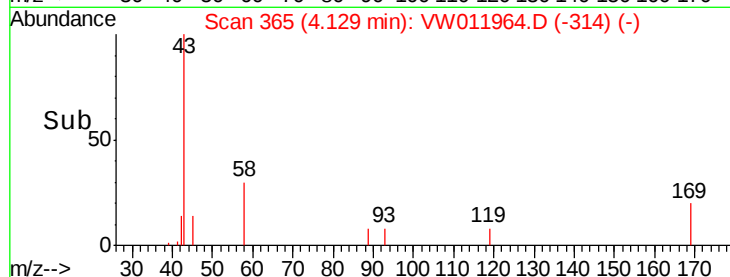
400

200

0

4.05 4.10 4.15 4.20

Time-->



#20

Methylene Chloride

Concen: 2.331 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011964.D

Acq: 16 Aug 2019 14:52

Tgt Ion: 84 Resp: 6770

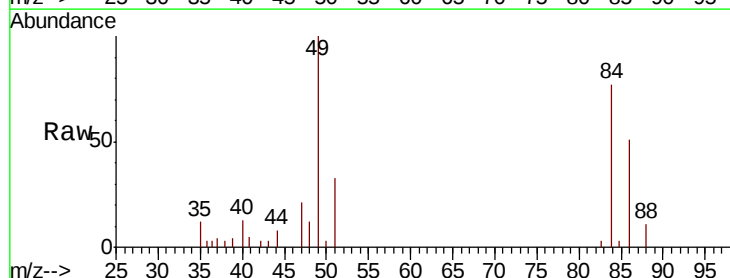
Ion Ratio Lower Upper

84 100

49 129.4 117.8 176.6

51 42.8 37.0 55.4

86 66.4 51.8 77.8



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

4000

3000

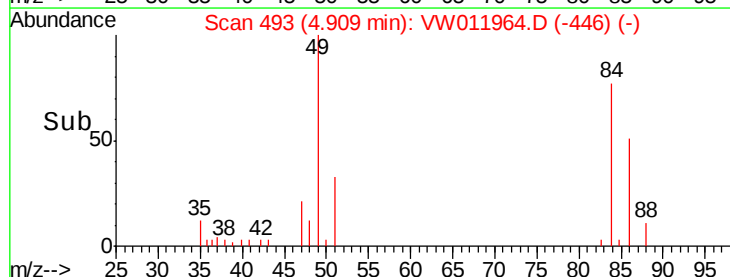
2000

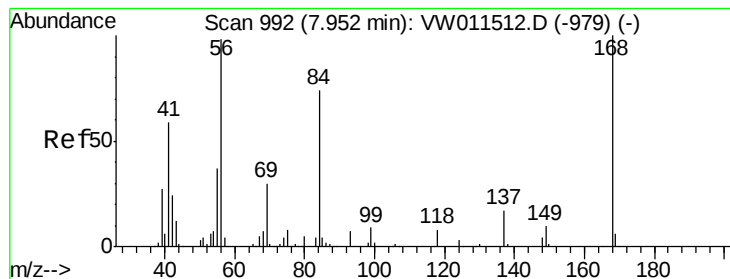
1000

0

4.80 4.90 5.00

Time-->





#31

Cyclohexane

Concen: 1.171 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011964.D

Acq: 16 Aug 2019 14:52

Instrument :
MSVOA_W
ClientSampleId :
PX-1

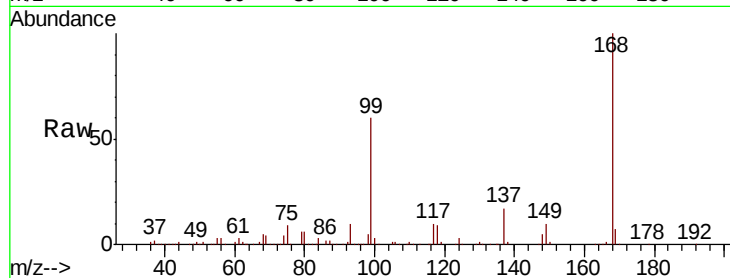
Tgt Ion: 56 Resp: 5794

Ion Ratio Lower Upper

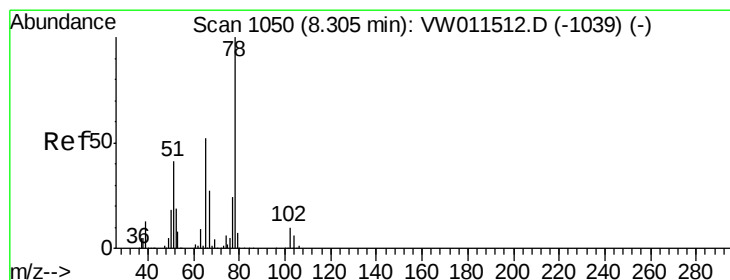
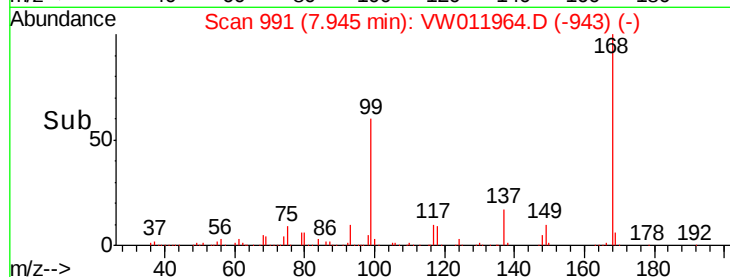
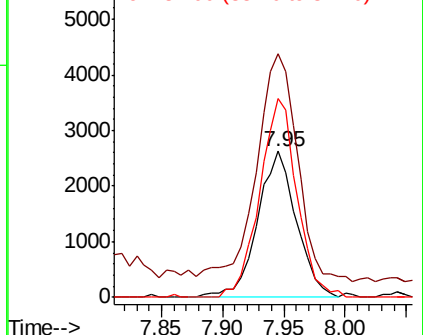
56 100

69 151.9 24.3 36.5#

84 136.2 60.4 90.6#



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: 59.654 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011964.D

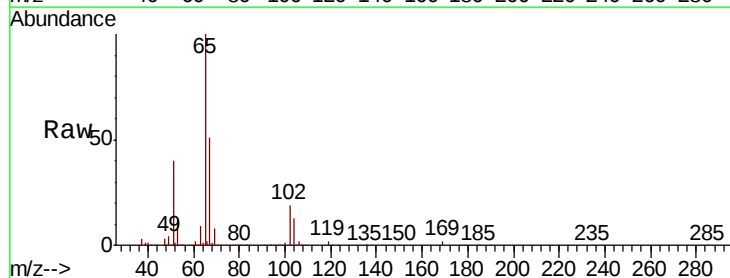
Acq: 16 Aug 2019 14:52

Tgt Ion: 65 Resp: 157916

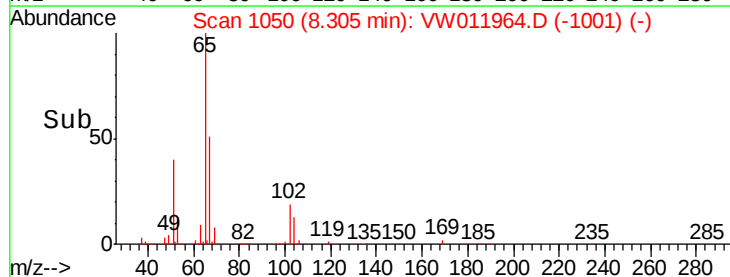
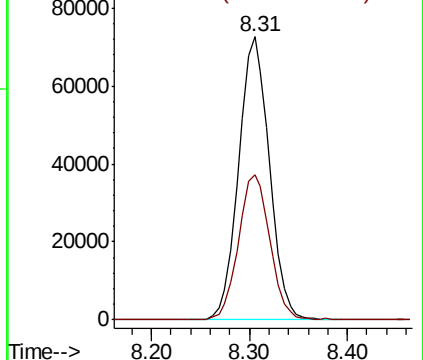
Ion Ratio Lower Upper

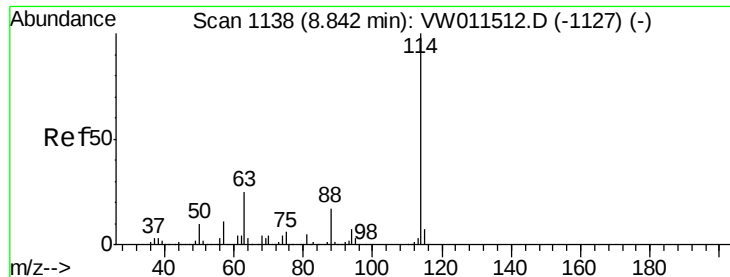
65 100

67 51.9 0.0 105.2



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

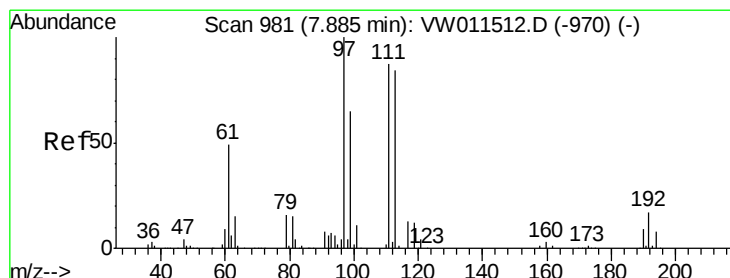
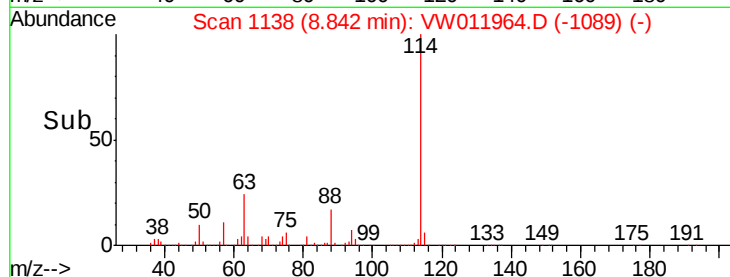
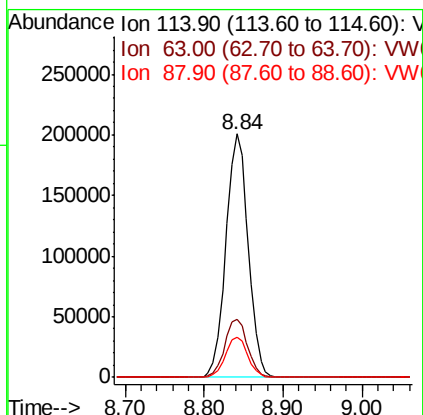
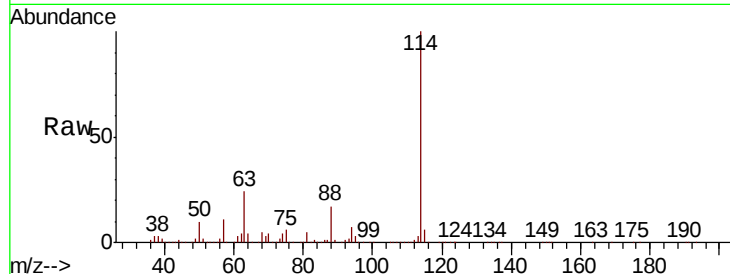




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011964.D
 Acq: 16 Aug 2019 14:52

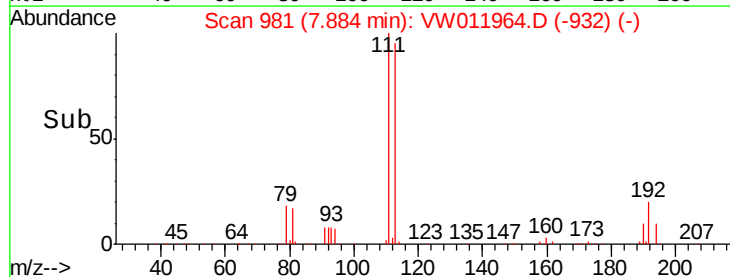
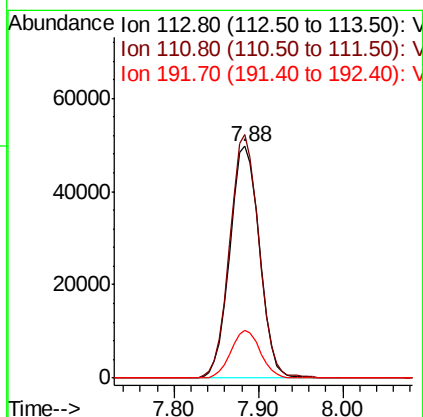
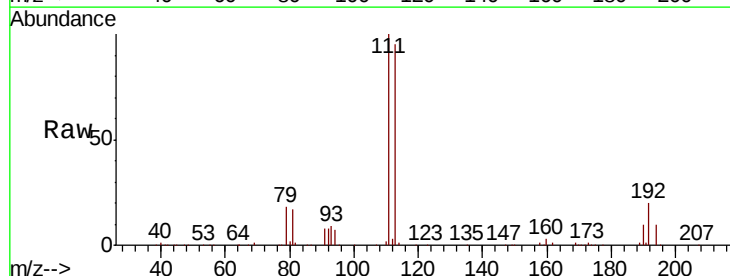
Instrument :
 MSVOA_W
 ClientSampled :
 PX-1

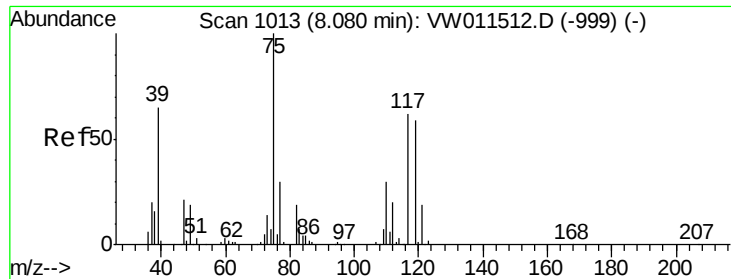
Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	49.2
88	16.5	0.0	33.8



#35
 Dibromofluoromethane
 Concen: 53.938 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011964.D
 Acq: 16 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.7	124.1
192	20.3	16.1	24.1

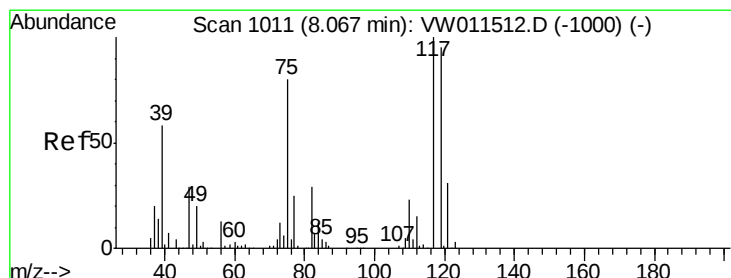
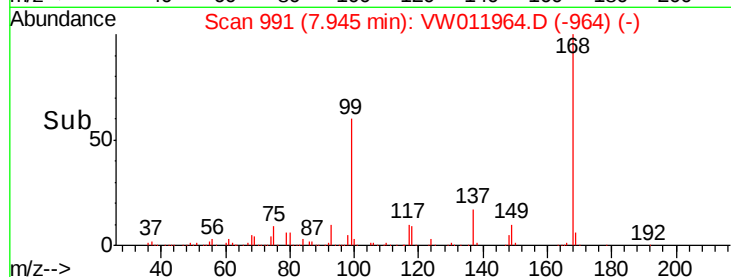
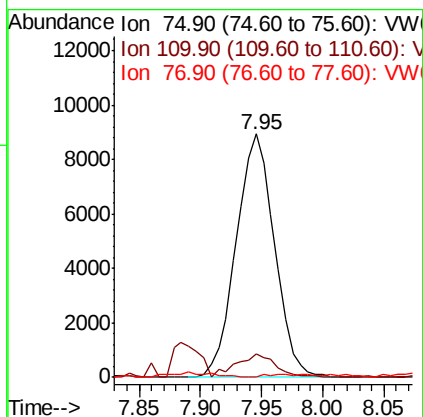
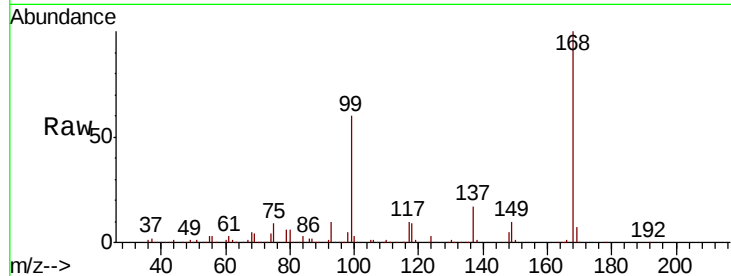




#36
 1,1-Dichloropropene
 Concen: 4.751 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011964.D
 Acq: 16 Aug 2019 14:52

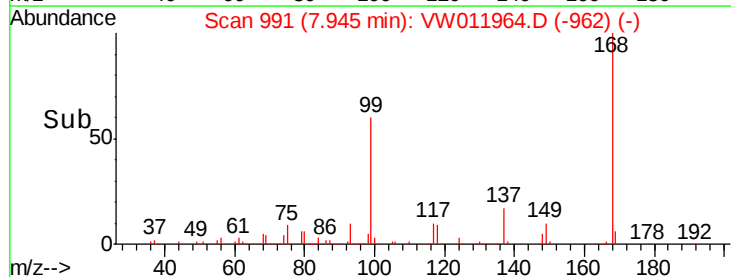
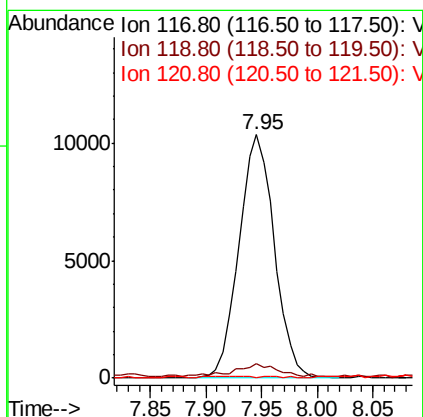
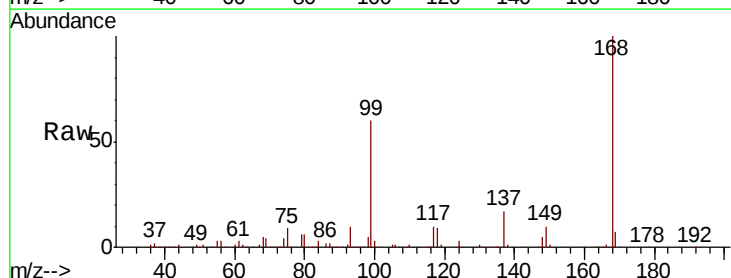
Instrument :
 MSVOA_W
 ClientSampled :
 PX-1

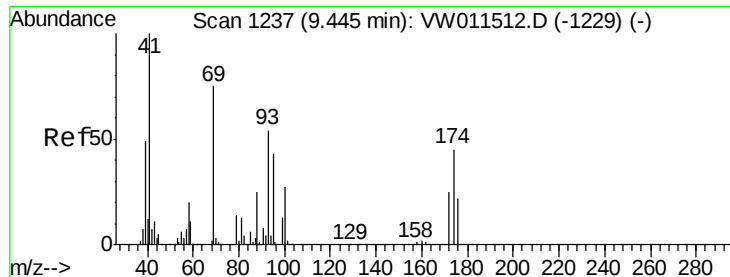
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.533 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011964.D
 Acq: 16 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	75.8	113.6#
121	0.0	24.7	37.1#

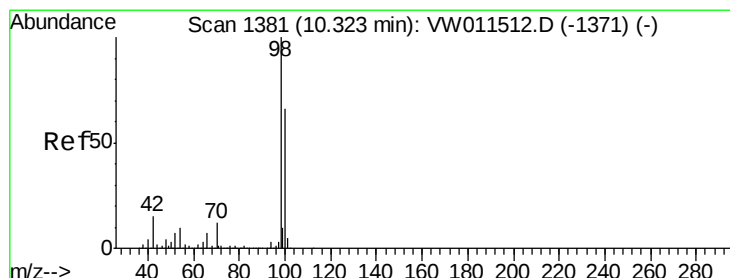
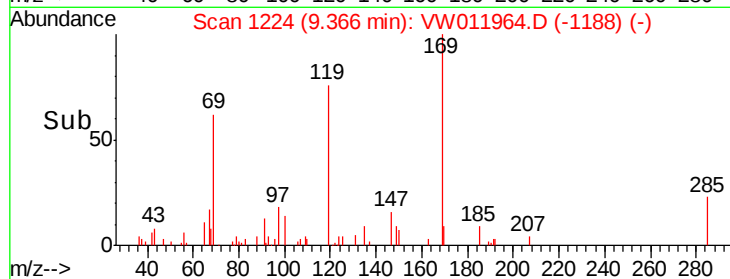
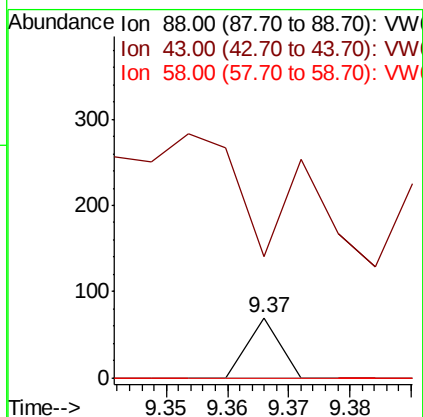
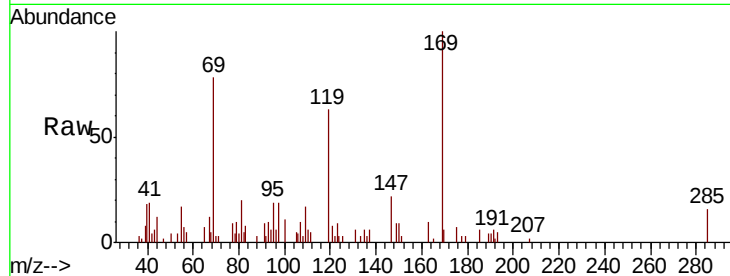




#49
 1,4-Dioxane
 Concen: 1.287 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.08 min
 Lab File: VW011964.D
 Acq: 16 Aug 2019 14:52

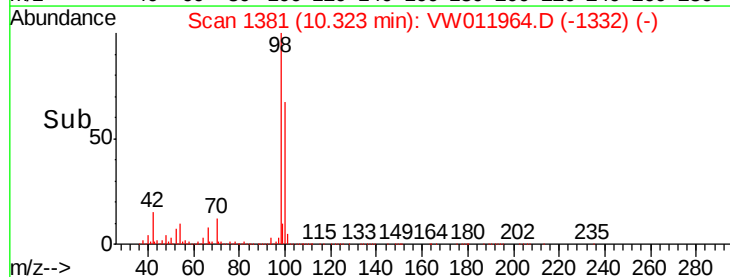
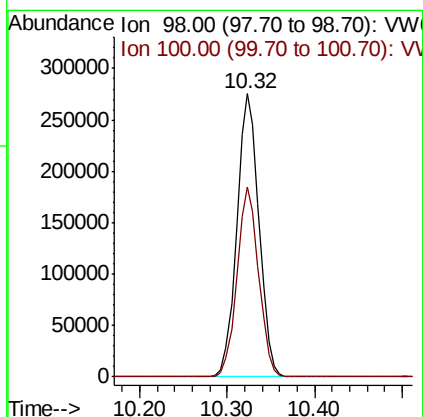
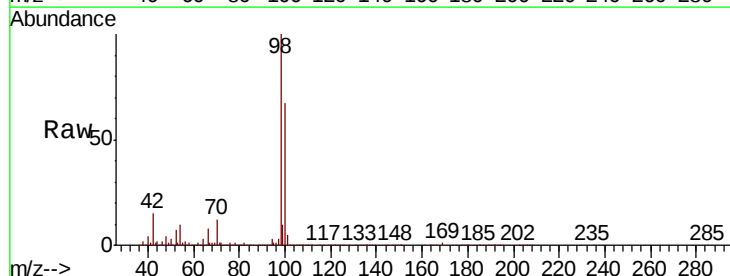
Instrument :
 MSVOA_W
 ClientSampled :
 PX-1

Tgt Ion: 88 Resp: 26
 Ion Ratio Lower Upper
 88 100
 43 1153.8 34.0 51.0#
 58 0.0 69.7 104.5#



#50
 Toluene-d8
 Concen: 53.623 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW011964.D
 Acq: 16 Aug 2019 14:52

Tgt Ion: 98 Resp: 483228
 Ion Ratio Lower Upper
 98 100
 100 65.6 52.7 79.1

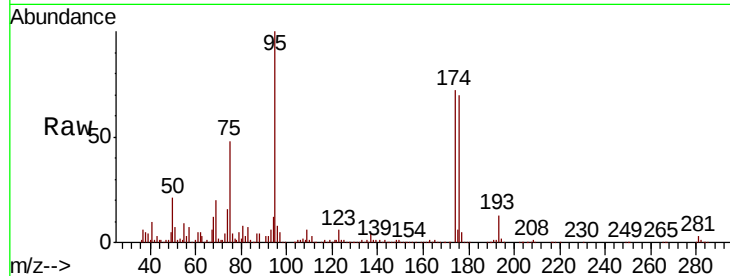




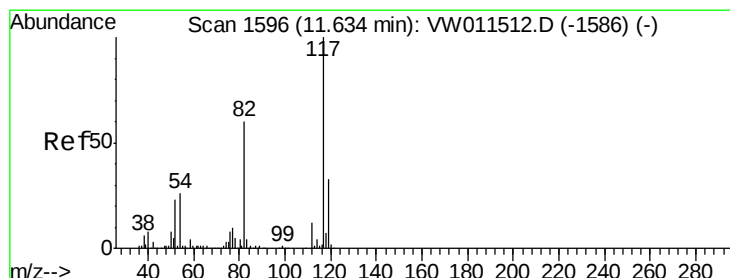
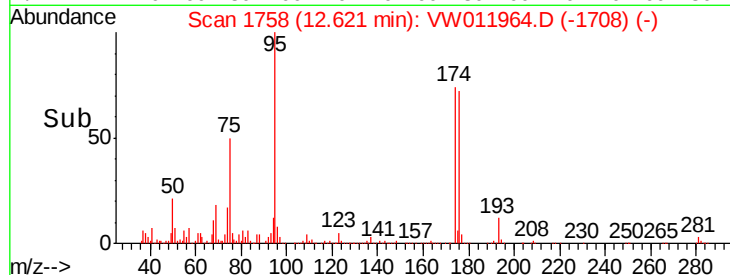
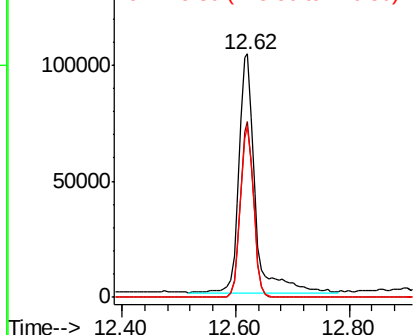
#62
4-Bromofluorobenzene
Concen: 63.869 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW011964.D
Acq: 16 Aug 2019 14:52

Instrument :
MSVOA_W
ClientSampled :
PX-1

Tgt Ion: 95 Resp: 205198
Ion Ratio Lower Upper
95 100
174 59.9 0.0 150.2
176 58.5 0.0 144.4

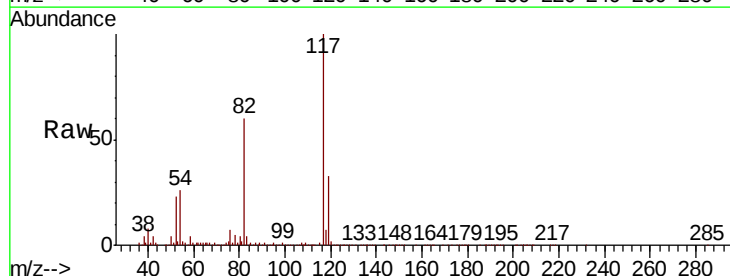


Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

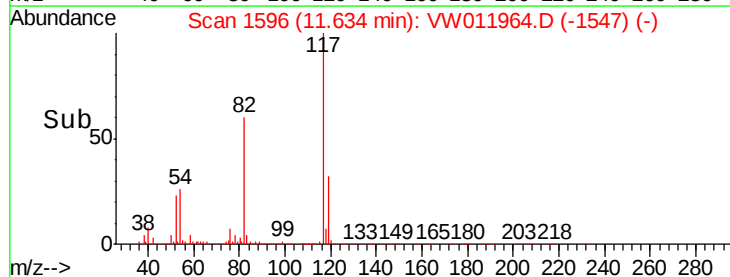
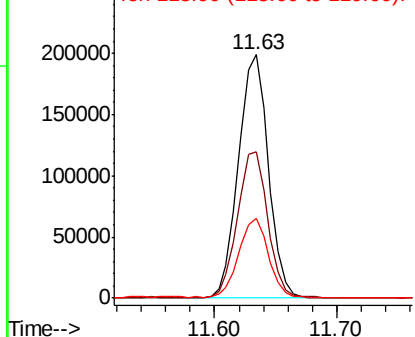


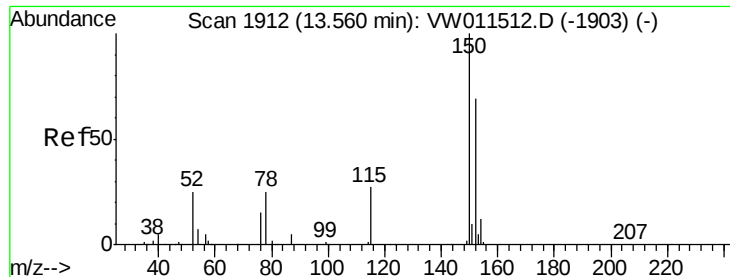
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011964.D
Acq: 16 Aug 2019 14:52

Tgt Ion: 117 Resp: 337113
Ion Ratio Lower Upper
117 100
82 59.9 47.9 71.9
119 32.3 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011964.D

Acq: 16 Aug 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

PX-1

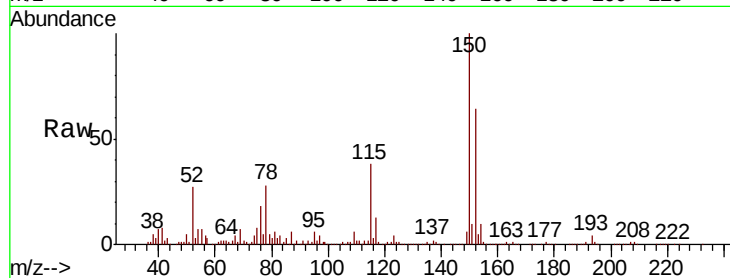
Tgt Ion: 152 Resp: 144414

Ion Ratio Lower Upper

152 100

115 59.5 30.5 91.5

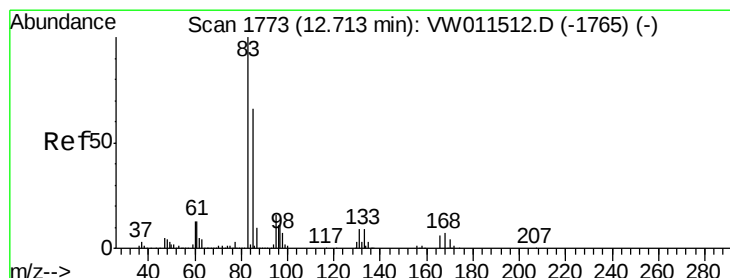
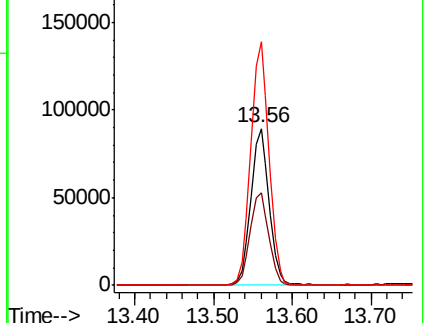
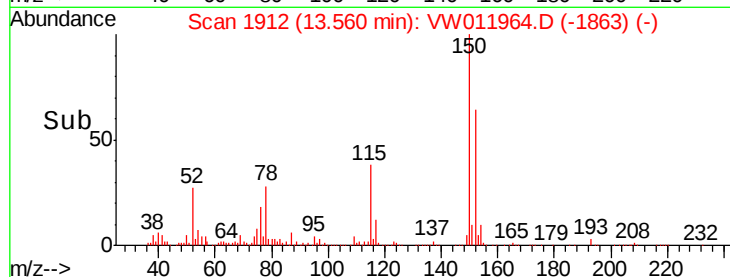
150 154.4 0.0 352.6



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



#75

1,1,2,2-Tetrachloroethane

Concen: 22.626 ug/l

RT: 12.65 min Scan# 1762

Delta R.T. -0.07 min

Lab File: VW011964.D

Acq: 16 Aug 2019 14:52

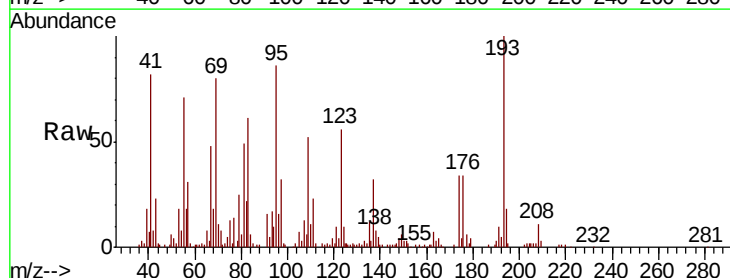
Tgt Ion: 83 Resp: 45852

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.6#

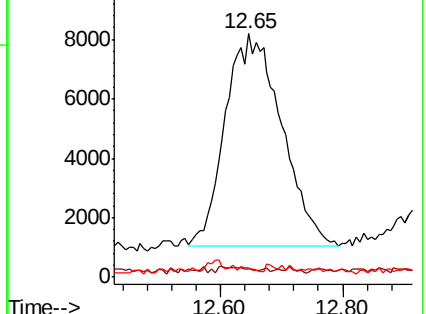
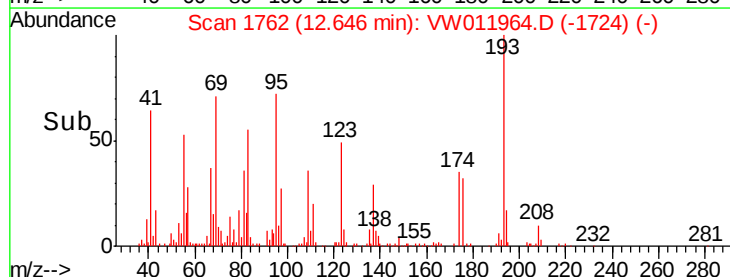
85 0.0 31.8 95.4#

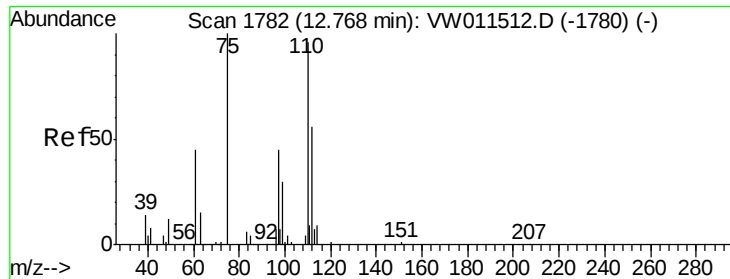


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

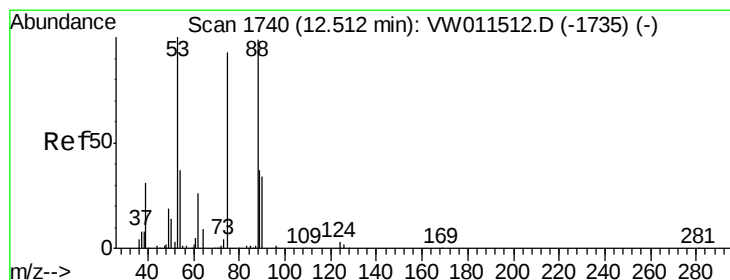
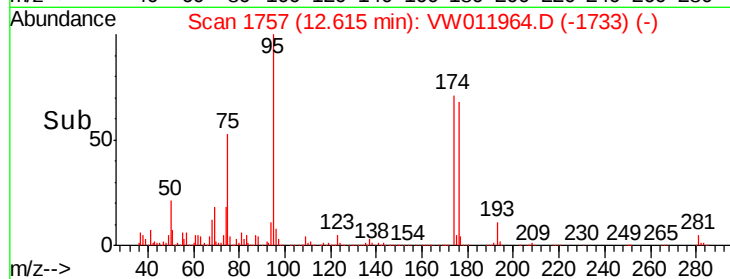
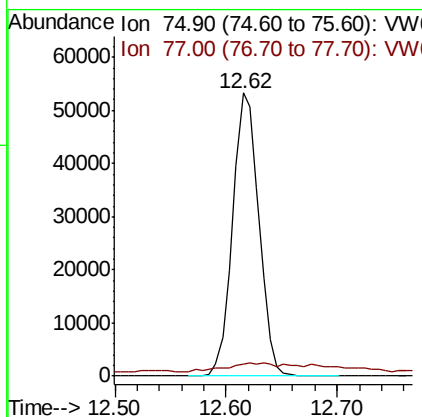
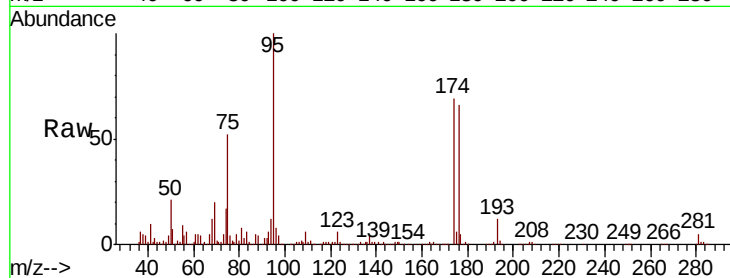




#76
 1,2,3-Trichloropropane
 Concen: 56.826 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011964.D
 Acq: 16 Aug 2019 14:52

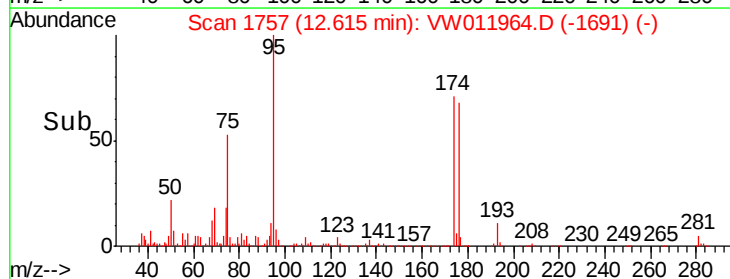
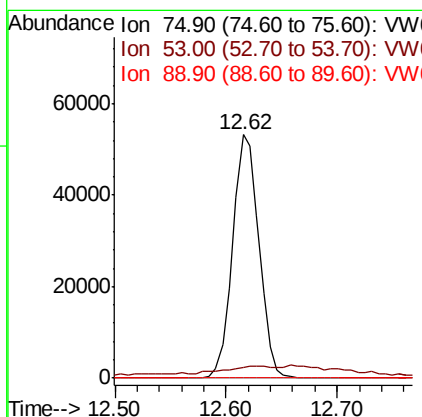
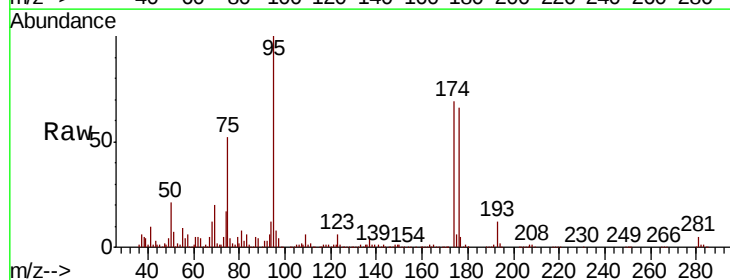
Instrument :
 MSVOA_W
 ClientSampleId :
 PX-1

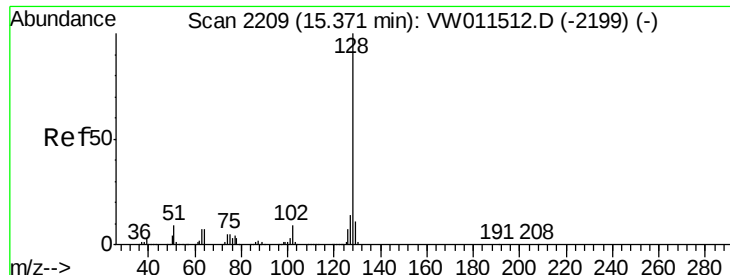
Tgt Ion: 75 Resp: 86834
 Ion Ratio Lower Upper
 75 100
 77 5.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.964 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011964.D
 Acq: 16 Aug 2019 14:52

Tgt Ion: 75 Resp: 86834
 Ion Ratio Lower Upper
 75 100
 53 5.7 88.0 132.0#
 89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 2.115 ug/l

RT: 15.35 min Scan# 2206

Delta R.T. -0.02 min

Lab File: VW011964.D

Acq: 16 Aug 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

PX-1

Tgt Ion:128 Resp: 291

Ion Ratio Lower Upper

128 100

127 30.2 10.6 16.0#

129 49.8 8.6 13.0#

