

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081619\
 Data File : VW011940.D
 Acq On : 15 Aug 2019 20:27
 Operator : SY/VA
 Sample : K4354-01
 Misc : 4.41G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PX-01-081319

Quant Time: Aug 16 05:15:36 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	202602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	343582	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	285594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	114572	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	136541	58.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.38%	
35) Dibromofluoromethane	7.88	113	106063	55.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.04%	
50) Toluene-d8	10.32	98	420492	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
62) 4-Bromofluorobenzene	12.62	95	134302	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	

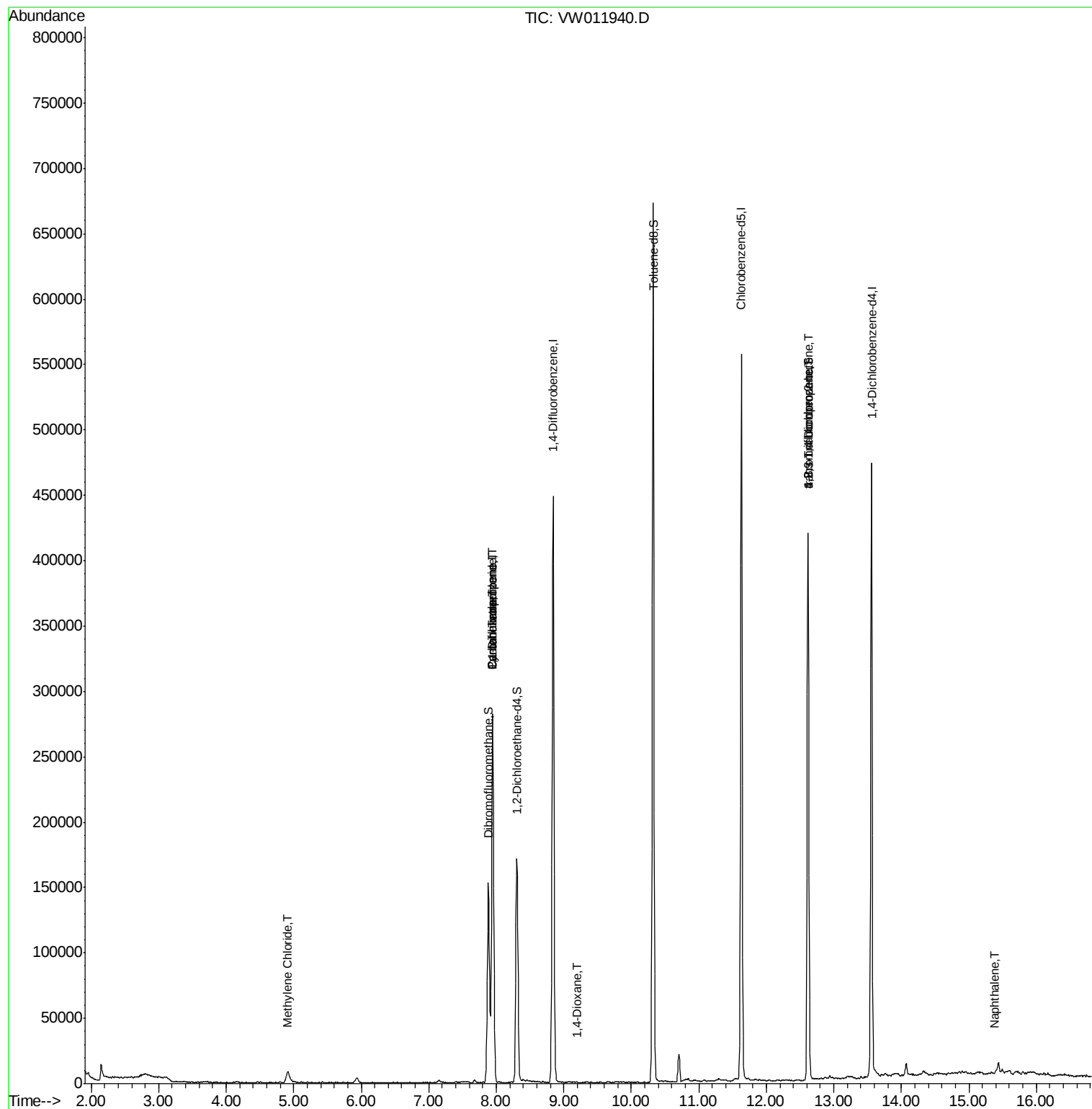
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	23	Below Cal	#	72
20) Methylene Chloride	4.92	84	6399	2.507	ug/l #	83
31) Cyclohexane	7.95	56	5450	1.253	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17982	5.033	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21209	6.935	ug/l #	17
49) 1,4-Dioxane	9.20	88	23	1.300	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	72431	59.747	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	72431	137.695	ug/l #	6
95) Naphthalene	15.38	128	352	2.141	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011940.D

Acq: 15 Aug 2019 20:27

Instrument :

MSVOA_W

ClientSampled :

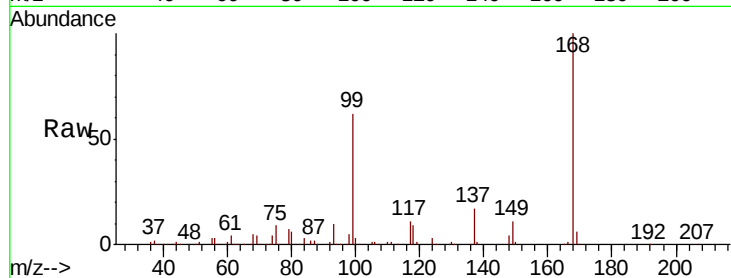
PX-01-081319

Tgt Ion:168 Resp: 202602

Ion Ratio Lower Upper

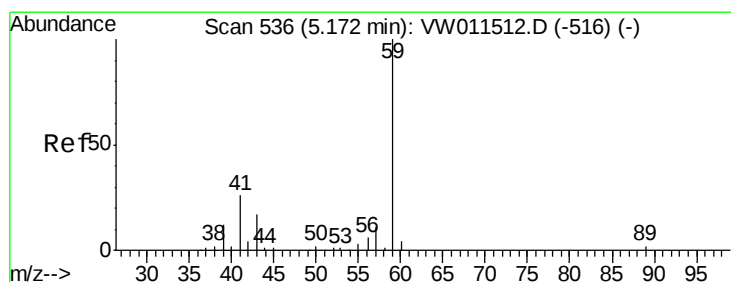
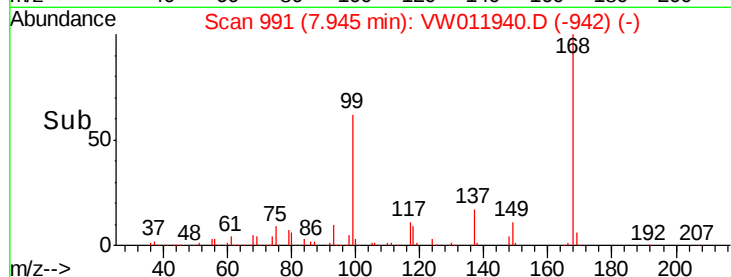
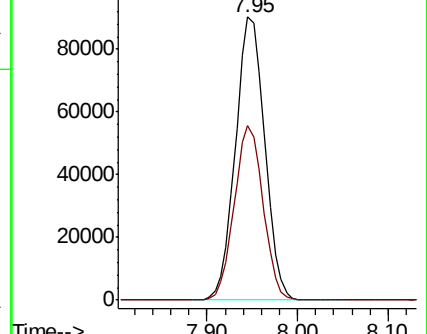
168 100

99 61.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW011940.D

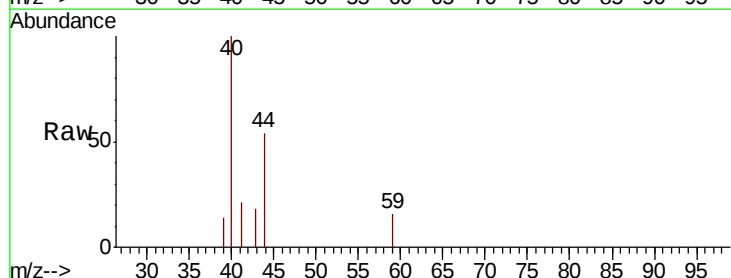
Acq: 15 Aug 2019 20:27

Tgt Ion: 59 Resp: 23

Ion Ratio Lower Upper

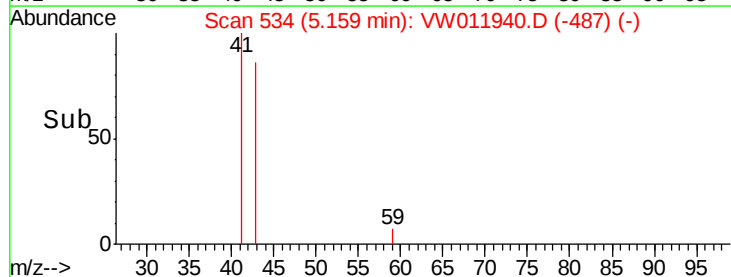
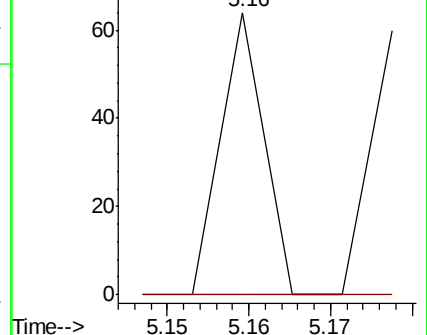
59 100

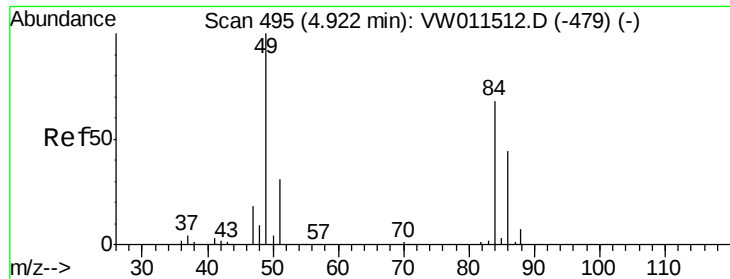
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

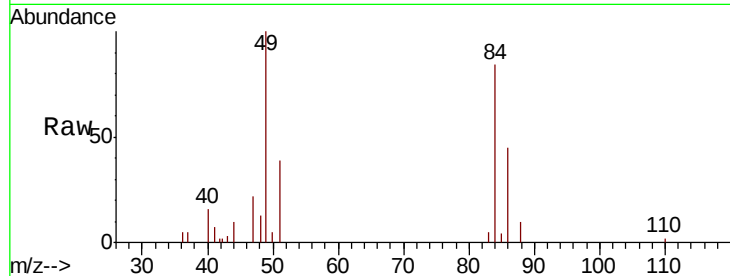




#20
Methylene Chloride
Concen: 2.507 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011940.D
Acq: 15 Aug 2019 20:27

Instrument :
MSVOA_W
ClientSampleId :
PX-01-081319

Tgt Ion:	84	Resp:	6399
Ion	Ratio	Lower	Upper
84	100		
49	116.8	117.8	176.6#
51	46.8	37.0	55.4
86	54.4	51.8	77.8



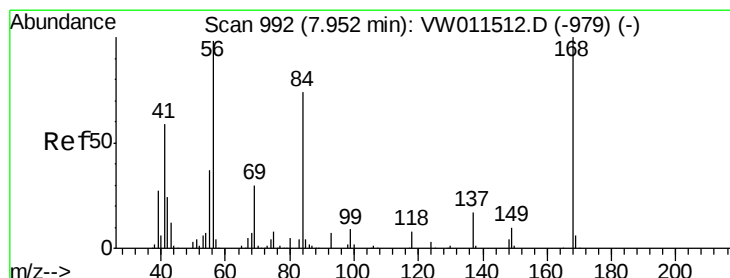
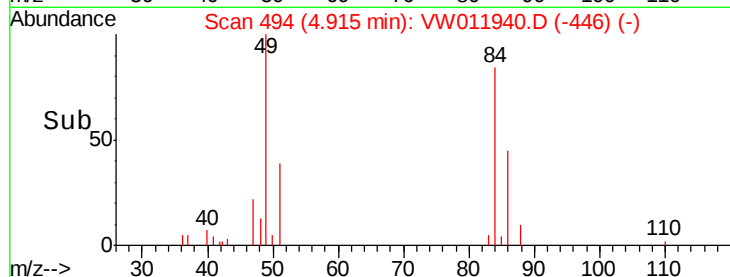
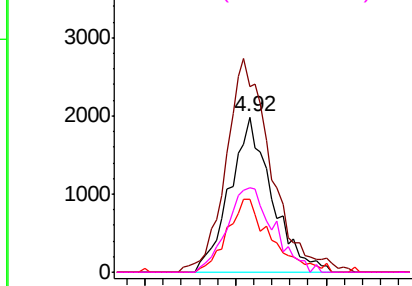
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

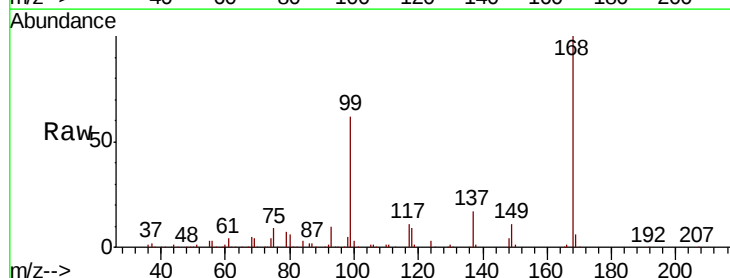
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#31
Cyclohexane
Concen: 1.253 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011940.D
Acq: 15 Aug 2019 20:27

Tgt Ion:	56	Resp:	5450
Ion	Ratio	Lower	Upper
56	100		
69	164.4	24.3	36.5#
84	124.5	60.4	90.6#

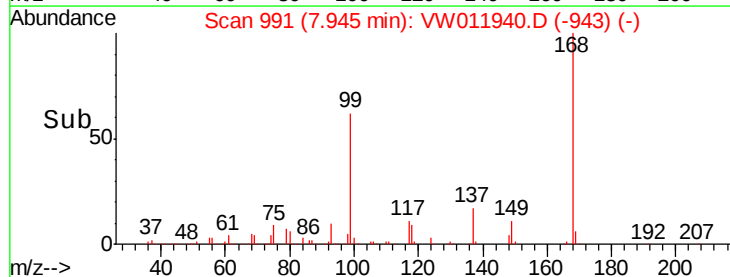
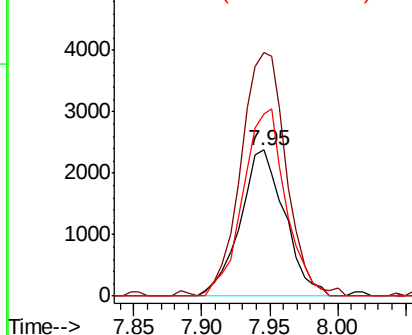


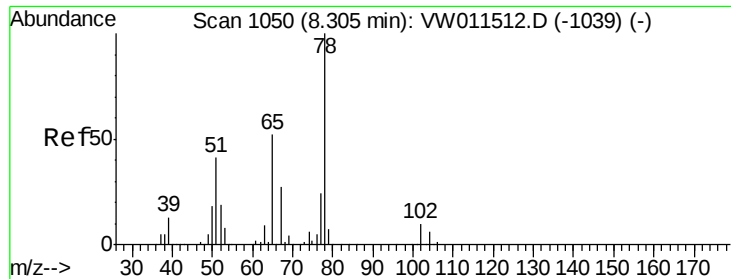
Abundance

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

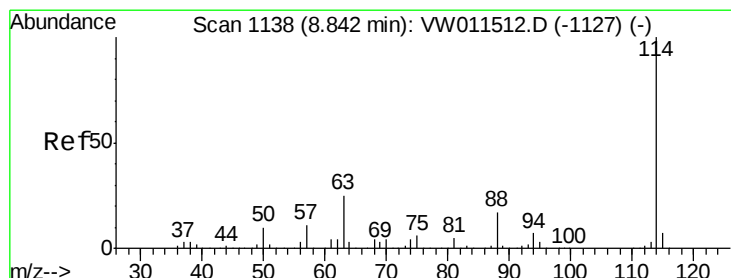
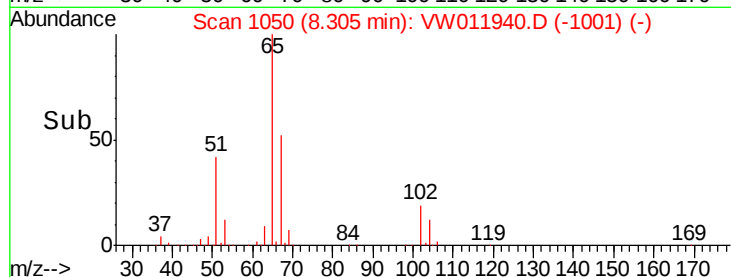
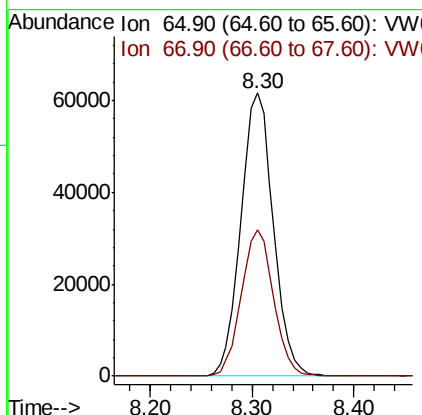
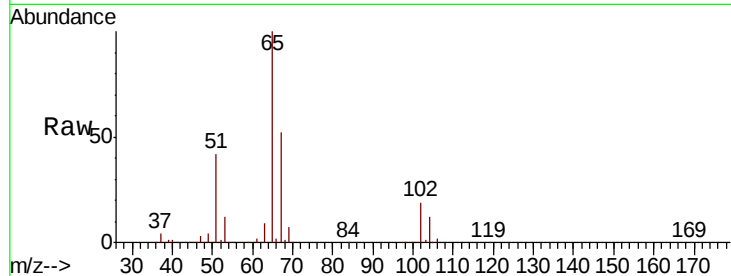




#33
 1,2-Dichloroethane-d4
 Concen: 58.691 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011940.D
 Acq: 15 Aug 2019 20:27

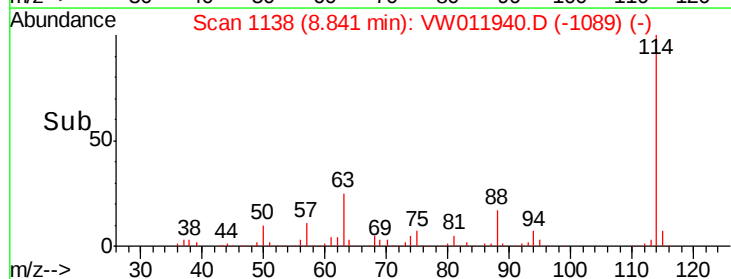
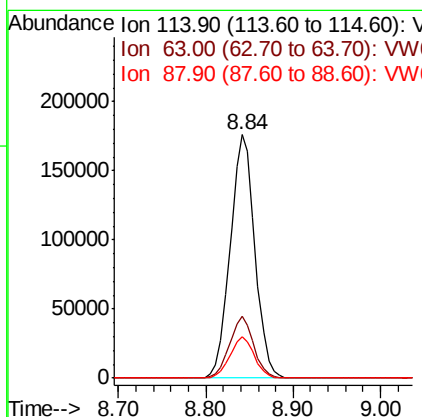
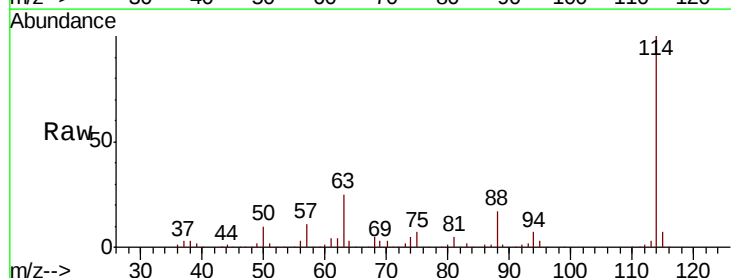
Instrument :
 MSVOA_W
 ClientSampleId :
 PX-01-081319

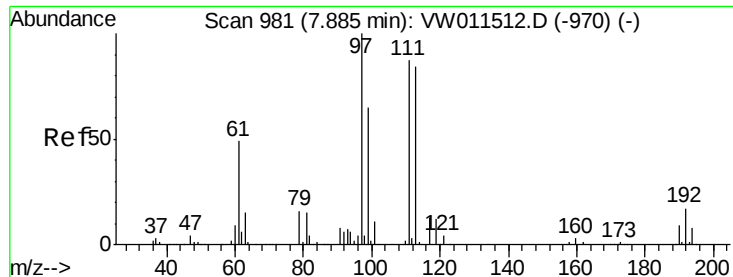
Tgt Ion: 65 Resp: 136541
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011940.D
 Acq: 15 Aug 2019 20:27

Tgt Ion: 114 Resp: 343582
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 49.2
 88 16.8 0.0 33.8

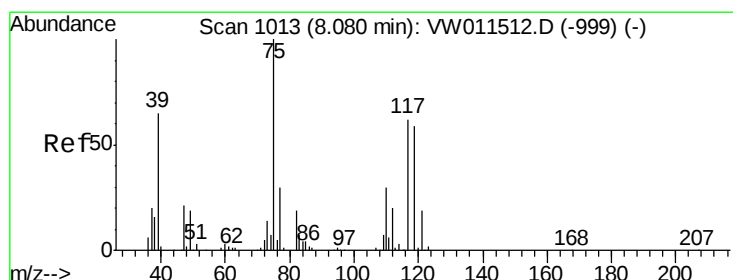
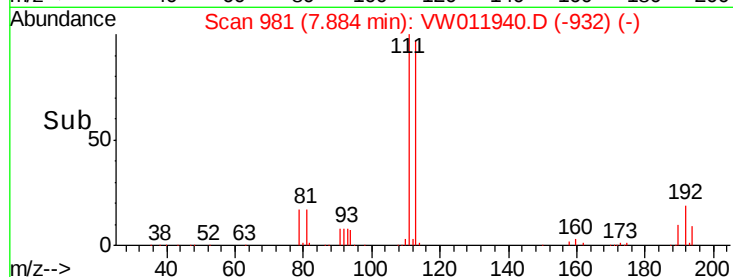
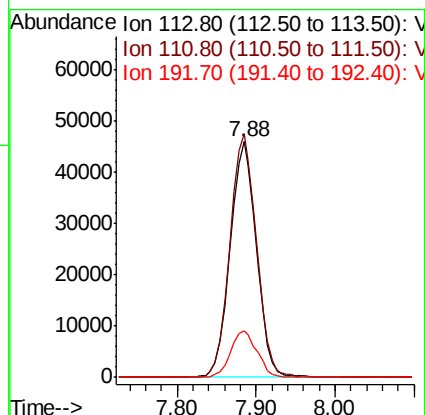
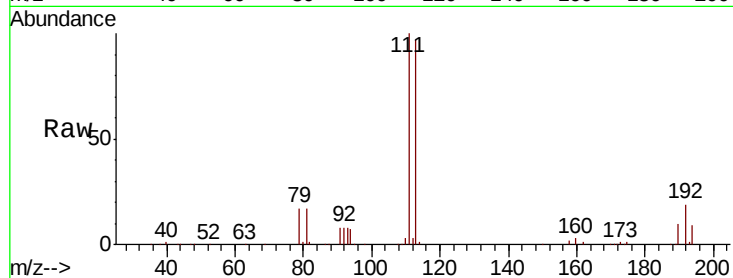




#35
 Dibromofluoromethane
 Concen: 55.025 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011940.D
 Acq: 15 Aug 2019 20:27

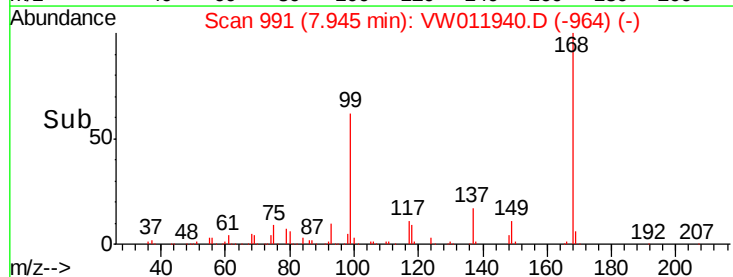
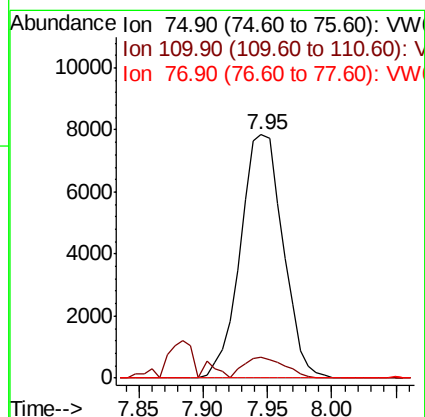
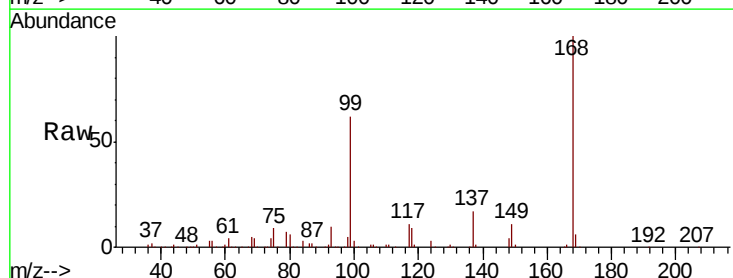
Instrument :
 MSVOA_W
 ClientSampleId :
 PX-01-081319

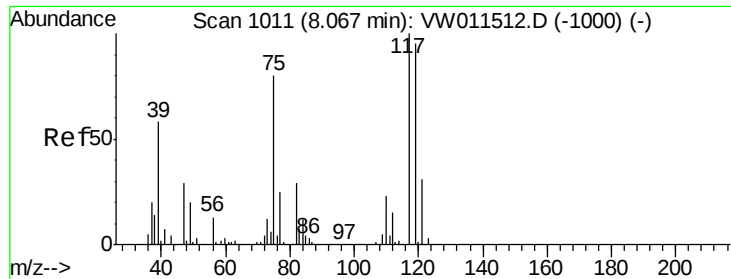
Tgt Ion:113 Resp: 106063
 Ion Ratio Lower Upper
 113 100
 111 104.5 82.7 124.1
 192 19.8 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 5.033 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011940.D
 Acq: 15 Aug 2019 20:27

Tgt Ion: 75 Resp: 17982
 Ion Ratio Lower Upper
 75 100
 110 8.3 15.6 46.8#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 6.935 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011940.D

Acq: 15 Aug 2019 20:27

Instrument :

MSVOA_W

ClientSampleId :

PX-01-081319

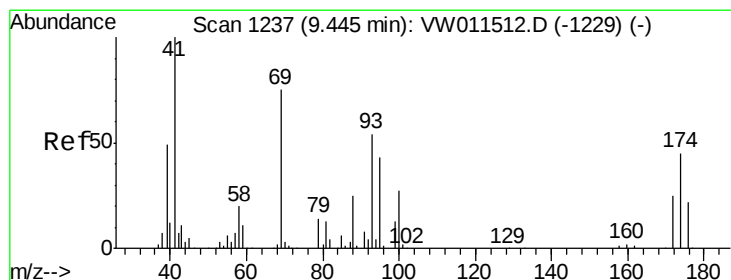
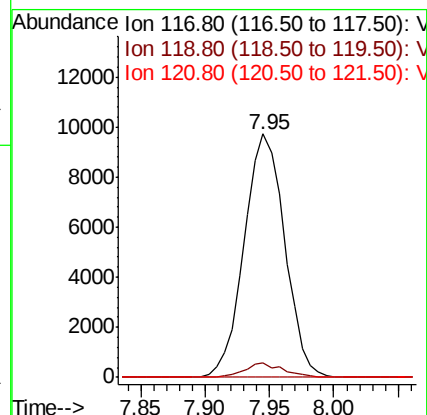
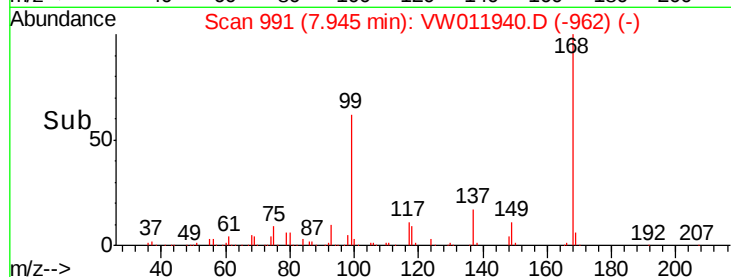
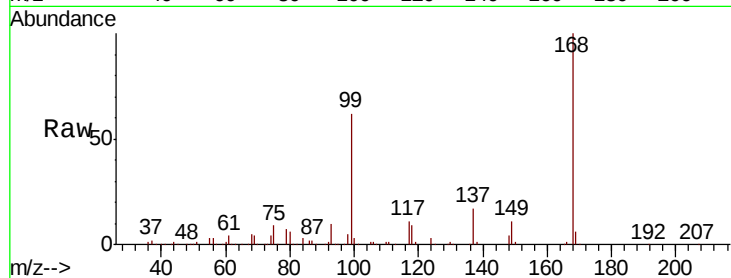
Tgt Ion: 117 Resp: 21209

Ion Ratio Lower Upper

117 100

119 5.8 75.8 113.6#

121 0.0 24.7 37.1#



#49

1,4-Dioxane

Concen: 1.300 ug/l

RT: 9.20 min Scan# 1196

Delta R.T. -0.25 min

Lab File: VW011940.D

Acq: 15 Aug 2019 20:27

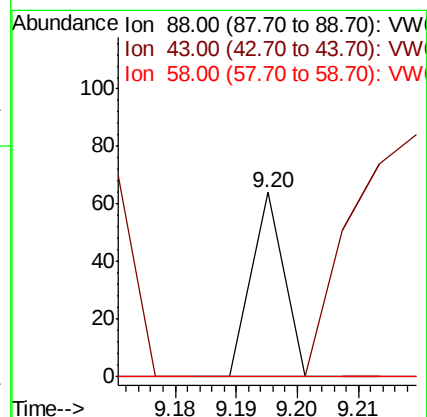
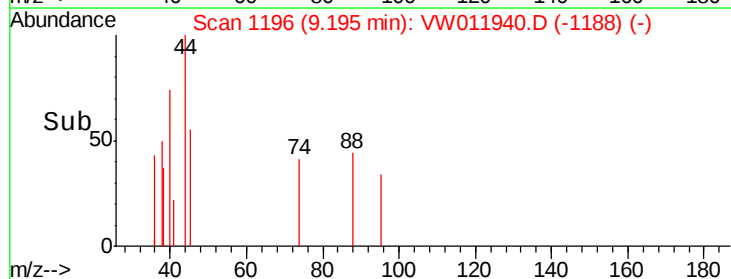
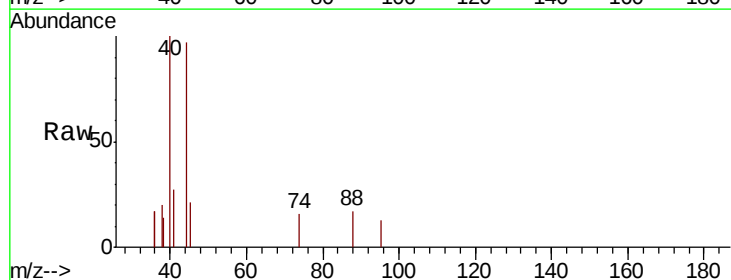
Tgt Ion: 88 Resp: 23

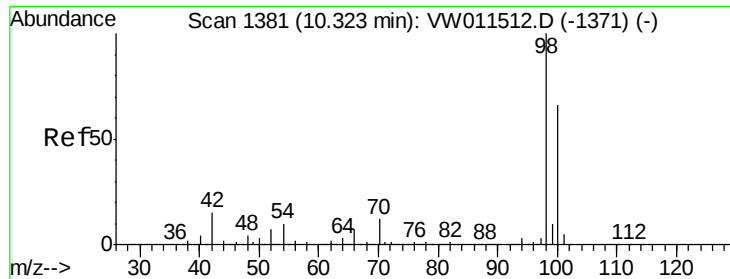
Ion Ratio Lower Upper

88 100

43 0.0 34.0 51.0#

58 0.0 69.7 104.5#





#50

Toluene-d8

Concen: 53.281 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011940.D

Acq: 15 Aug 2019 20:27

Instrument :

MSVOA_W

ClientSampleId :

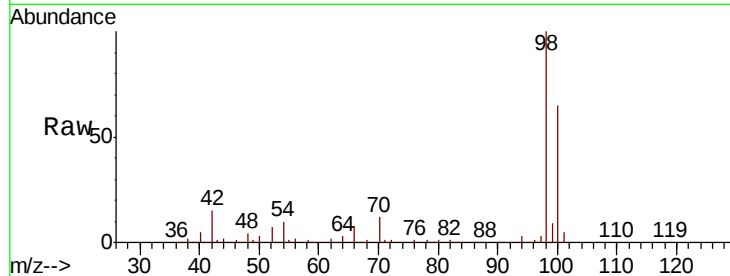
PX-01-081319

Tgt Ion: 98 Resp: 420492

Ion Ratio Lower Upper

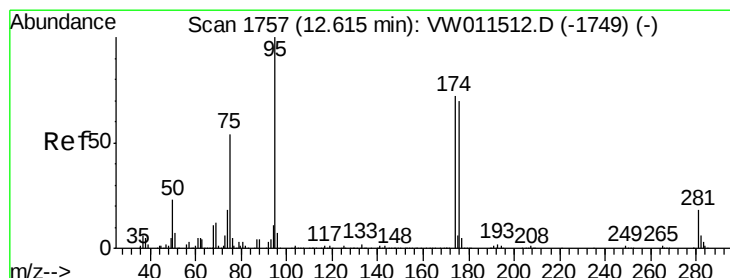
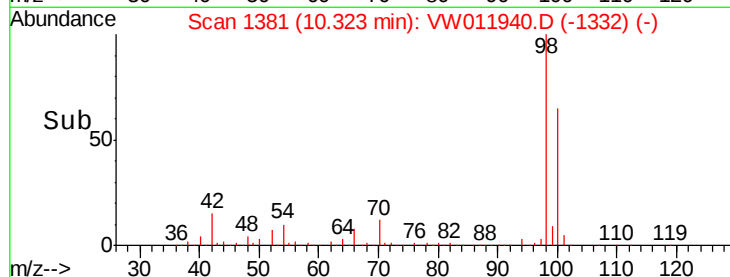
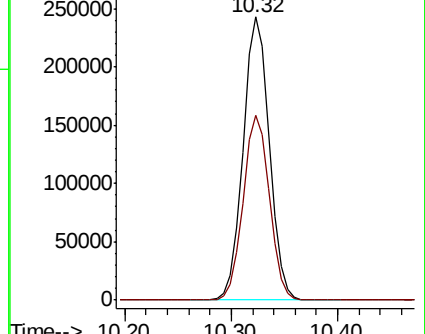
98 100

100 65.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 47.732 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011940.D

Acq: 15 Aug 2019 20:27

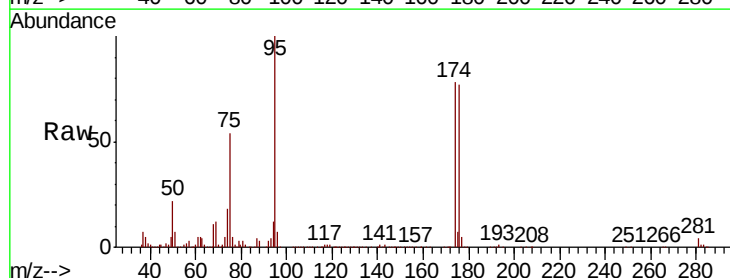
Tgt Ion: 95 Resp: 134302

Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.2

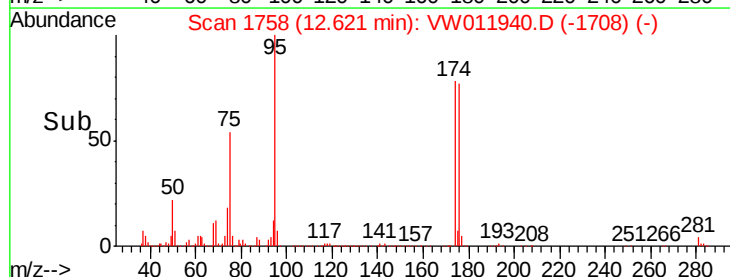
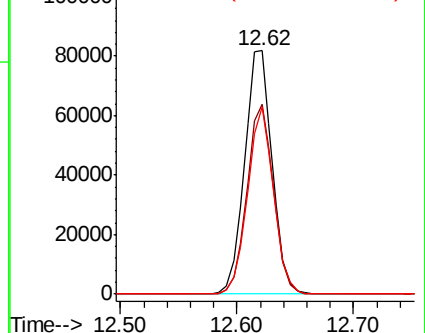
176 72.8 0.0 144.4

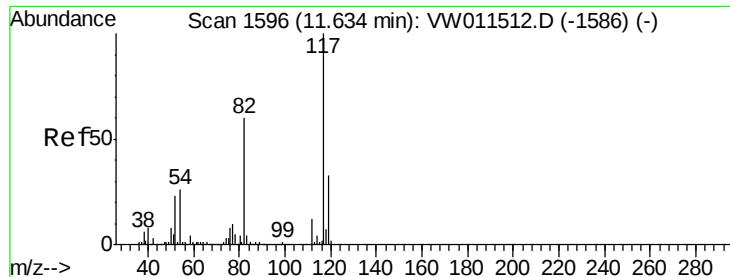


Abundance Ion 94.90 (94.60 to 95.60): VW

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: VW011940.D

Acq: 15 Aug 2019 20:27

Instrument :

MSVOA_W

ClientSampleId :

PX-01-081319

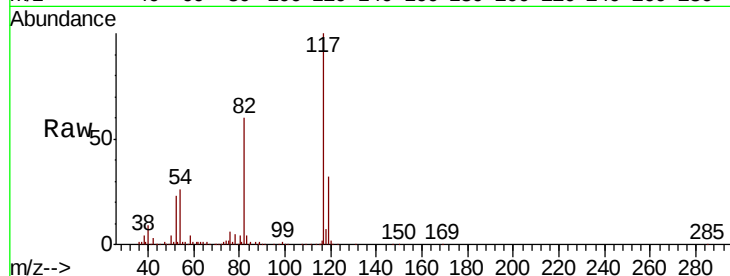
Tgt Ion:117 Resp: 285594

Ion Ratio Lower Upper

117 100

82 59.7 47.9 71.9

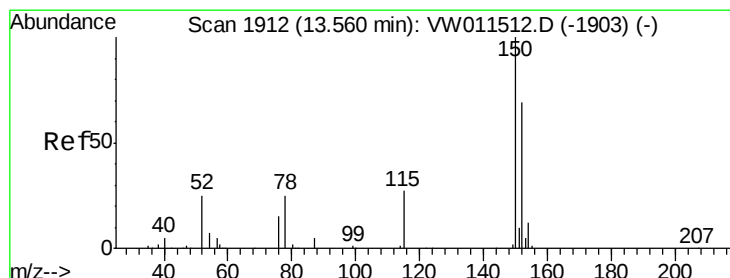
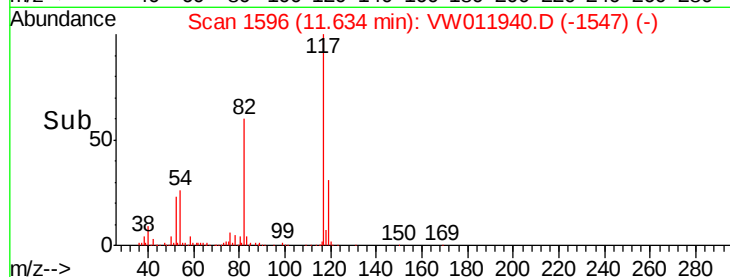
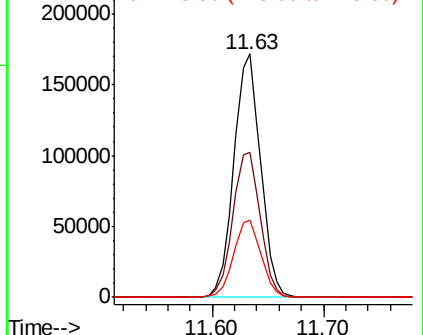
119 31.4 26.2 39.2



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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011940.D

Acq: 15 Aug 2019 20:27

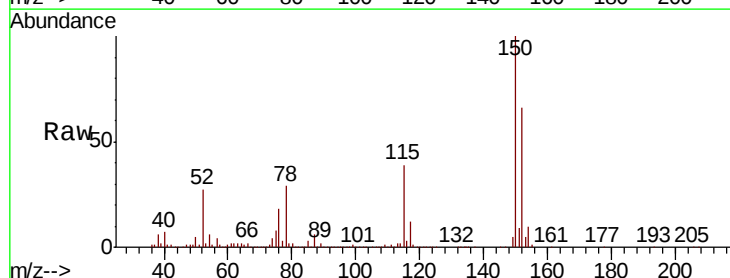
Tgt Ion:152 Resp: 114572

Ion Ratio Lower Upper

152 100

115 61.0 30.5 91.5

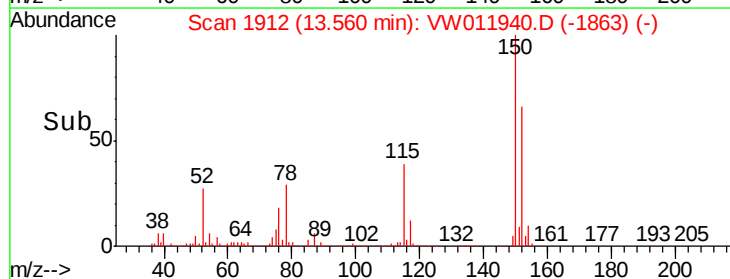
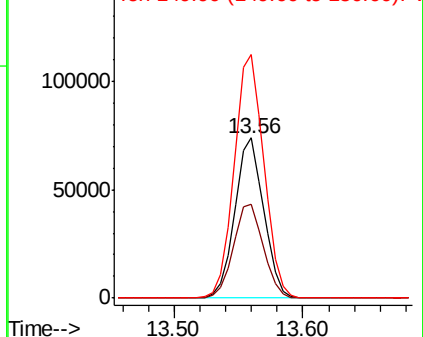
150 156.9 0.0 352.6

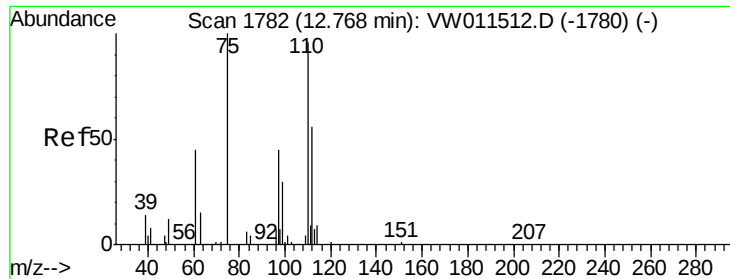


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

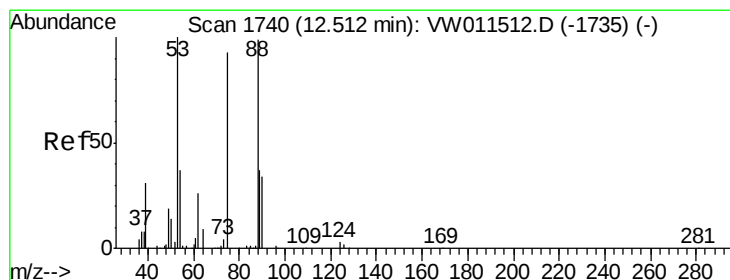
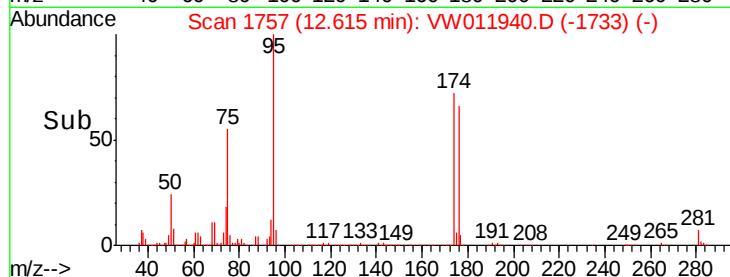
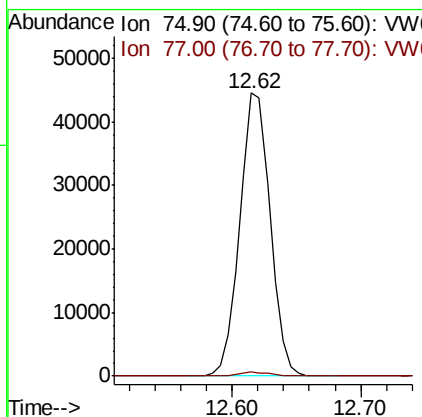
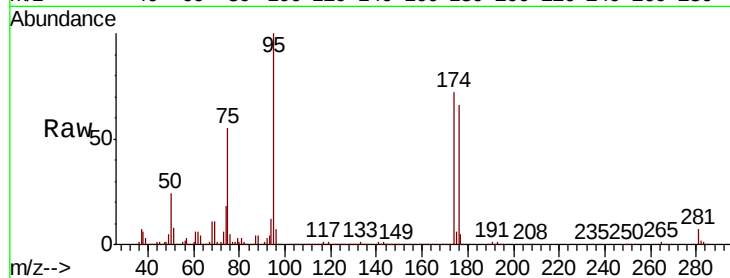




#76
 1,2,3-Trichloropropane
 Concen: 59.747 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW011940.D
 Acq: 15 Aug 2019 20:27

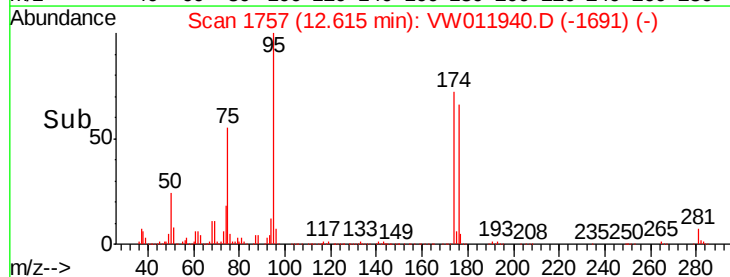
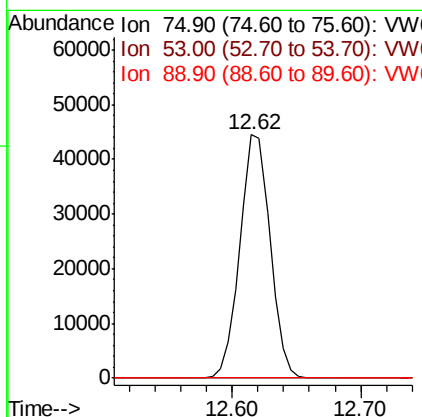
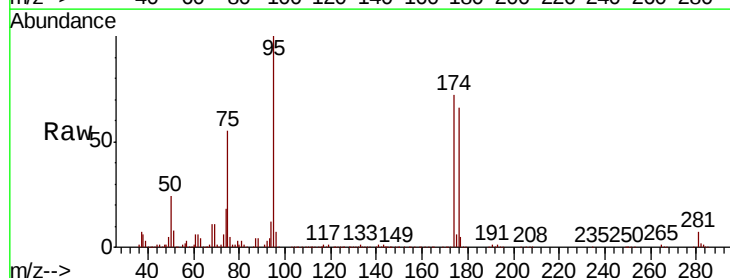
Instrument :
 MSVOA_W
 ClientSampleId :
 PX-01-081319

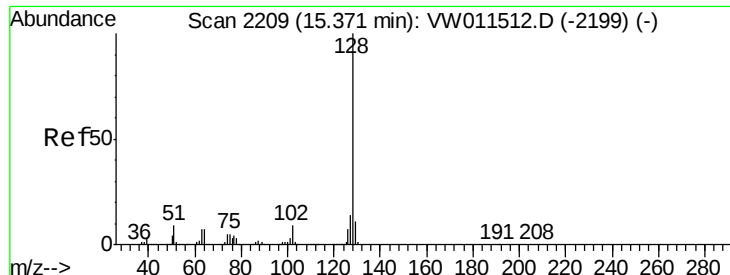
Tgt Ion: 75 Resp: 72431
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.695 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW011940.D
 Acq: 15 Aug 2019 20:27

Tgt Ion: 75 Resp: 72431
 Ion Ratio Lower Upper
 75 100
 53 0.2 88.0 132.0#
 89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 2.141 ug/l

RT: 15.38 min Scan# 2211

Delta R.T. 0.01 min

Lab File: VW011940.D

Acq: 15 Aug 2019 20:27

Instrument :

MSVOA_W

ClientSampleId :

PX-01-081319

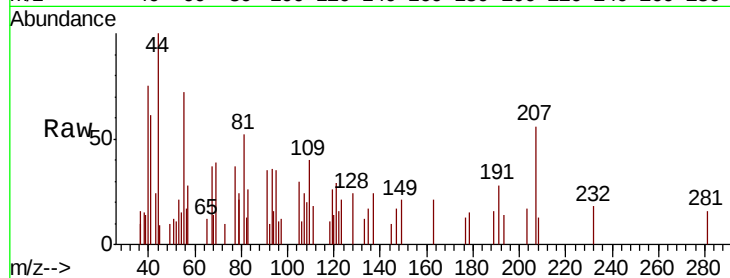
Tgt Ion:128 Resp: 352

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

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

