

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012212.D
 Acq On : 27 Aug 2019 15:09
 Operator : SY/VA
 Sample : K4521-08
 Misc : 3.85G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PX-11

Quant Time: Aug 28 04:57:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	253025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	419533	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	347654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	143710	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	148422	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
35) Dibromofluoromethane	7.88	113	124179	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
50) Toluene-d8	10.32	98	511223	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
62) 4-Bromofluorobenzene	12.62	95	165470	46.23	ug/l	0.00
Spiked Amount			Recovery	=	92.46%	

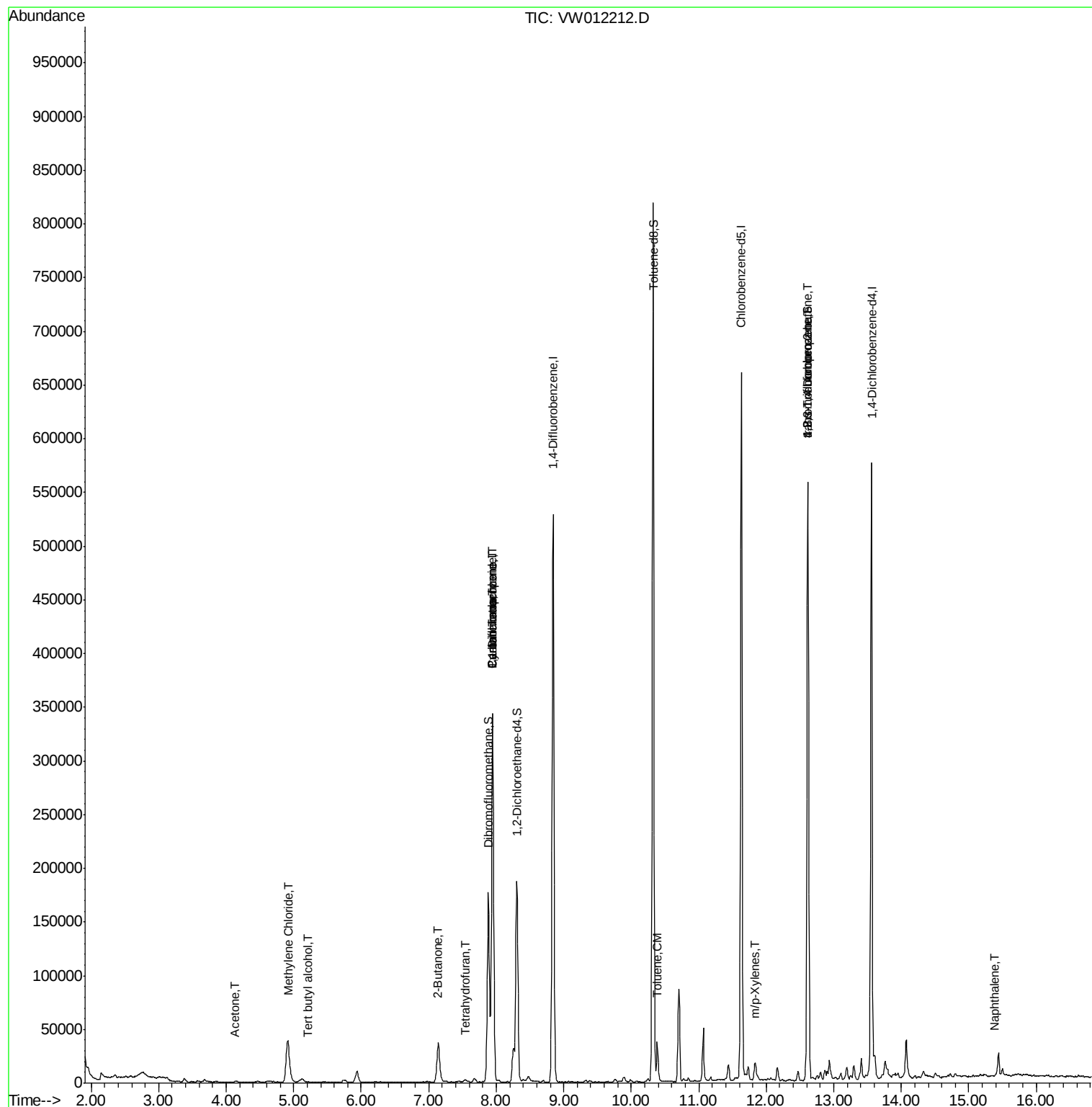
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	285	1.574	ug/l #	91
16) Acetone	4.14	43	1746	2.271	ug/l #	89
20) Methylene Chloride	4.92	84	29594	10.182	ug/l	97
25) 2-Butanone	7.15	43	2092	2.002	ug/l	93
29) Tetrahydrofuran	7.54	42	1919	3.061	ug/l #	79
31) Cyclohexane	7.95	56	6349	1.172	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22222	5.126	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25964	6.919	ug/l #	17
52) Toluene	10.38	92	15082	2.121	ug/l	95
68) m/p-Xylenes	11.84	106	4903	1.032	ug/l	88
76) 1,2,3-Trichloropropane	12.62	75	87709	62.666	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	87709	137.397	ug/l #	6
95) Naphthalene	15.38	128	615	4.425	ug/l #	80

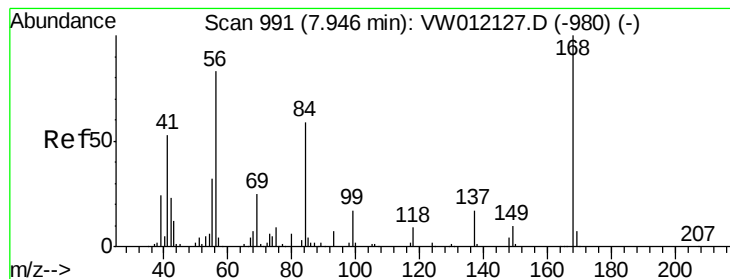
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012212.D

Acq: 27 Aug 2019 15:09

Instrument :

MSVOA_W

ClientSampled :

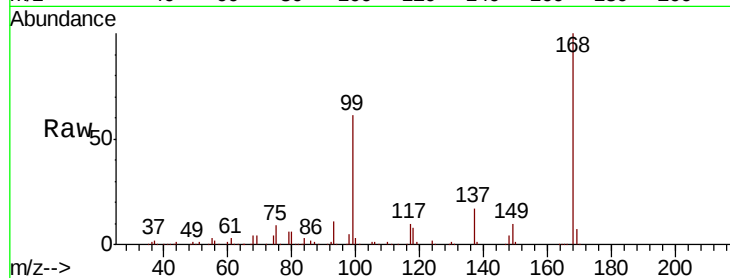
PX-11

Tgt Ion:168 Resp: 253025

Ion Ratio Lower Upper

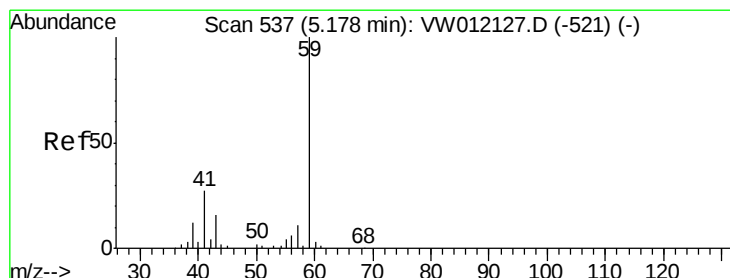
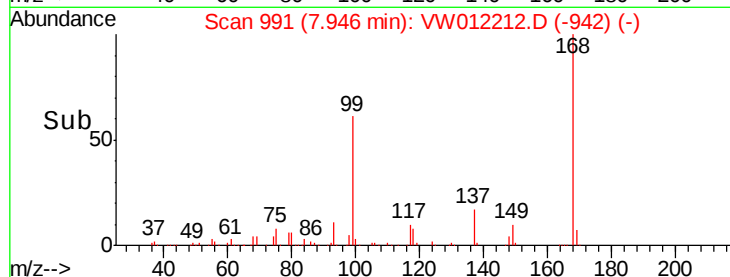
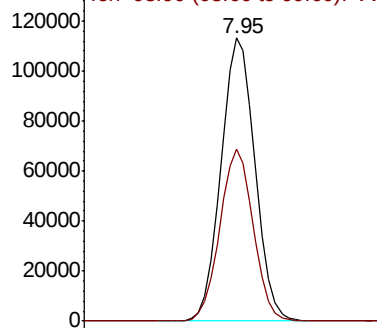
168 100

99 60.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 1.574 ug/l

RT: 5.21 min Scan# 542

Delta R.T. 0.03 min

Lab File: VW012212.D

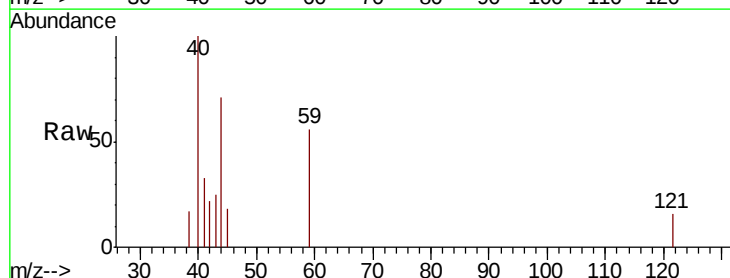
Acq: 27 Aug 2019 15:09

Tgt Ion: 59 Resp: 285

Ion Ratio Lower Upper

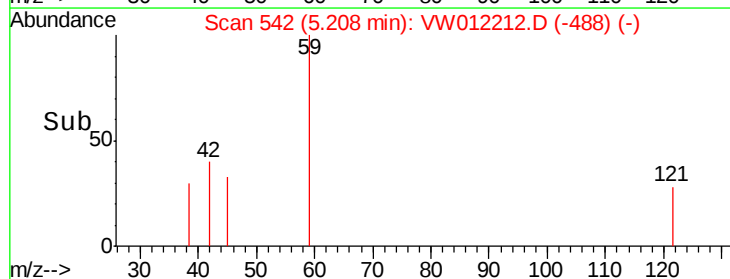
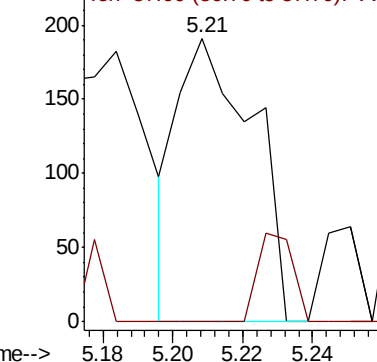
59 100

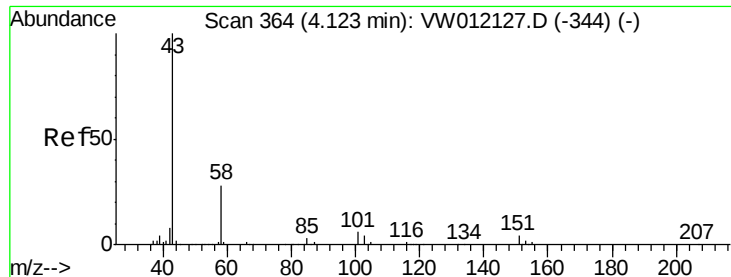
57 14.7 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

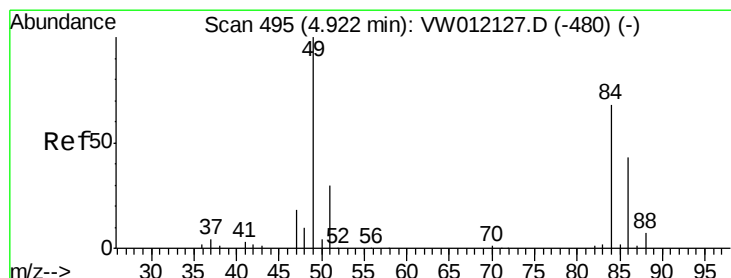
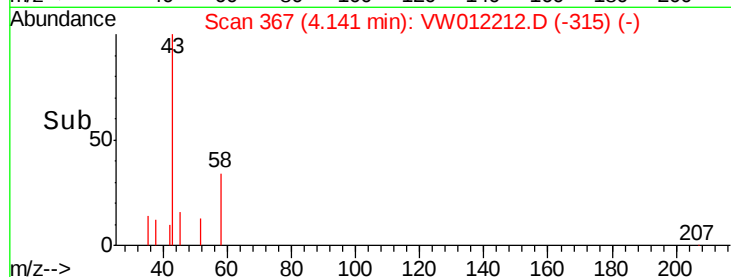
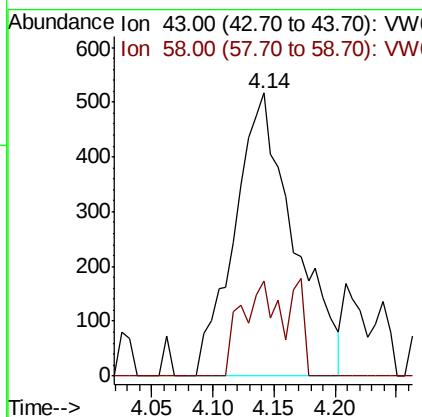
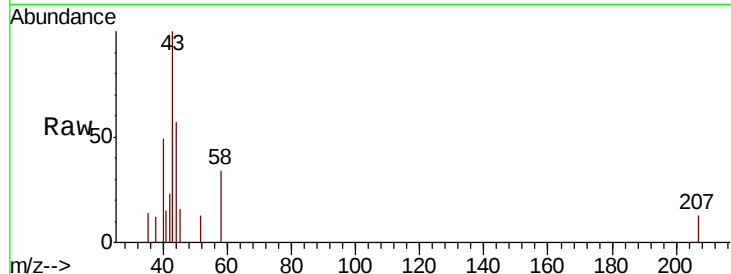




#16
Acetone
Concen: 2.271 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012212.D
Acq: 27 Aug 2019 15:09

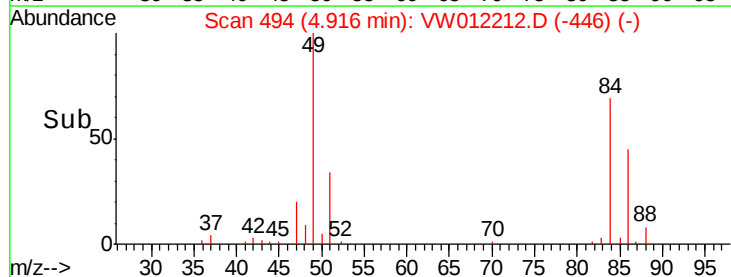
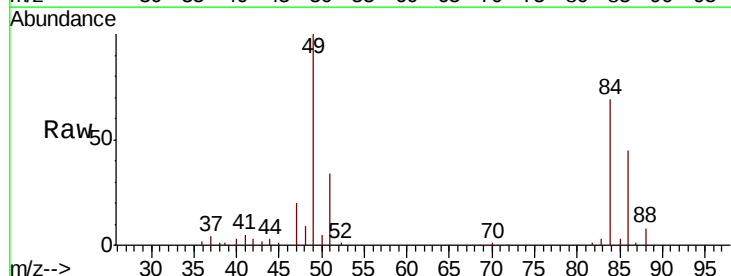
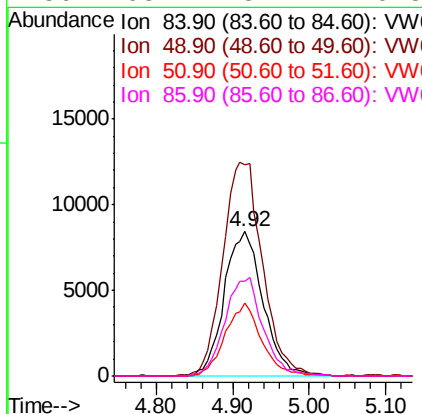
Instrument :
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ClientSampleId :
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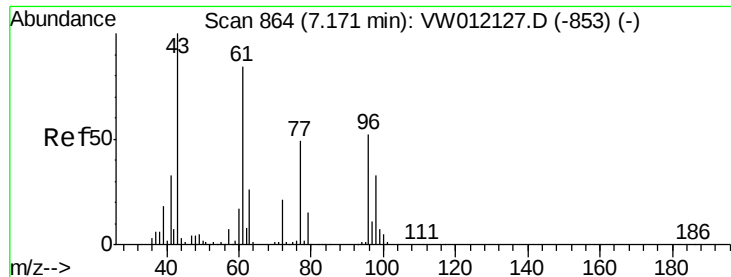
Tgt Ion: 43 Resp: 1746
Ion Ratio Lower Upper
43 100
58 33.7 22.4 33.6#



#20
Methylene Chloride
Concen: 10.182 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012212.D
Acq: 27 Aug 2019 15:09

Tgt Ion: 84 Resp: 29594
Ion Ratio Lower Upper
84 100
49 145.9 117.8 176.8
51 50.3 35.6 53.4
86 65.4 51.2 76.8





#25

2-Butanone

Concen: 2.002 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW012212.D

Acq: 27 Aug 2019 15:09

Instrument :

MSVOA_W

ClientSampled :

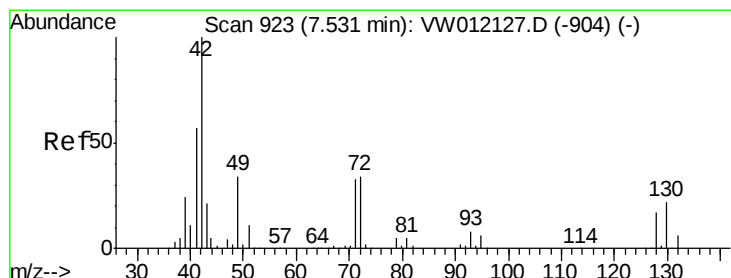
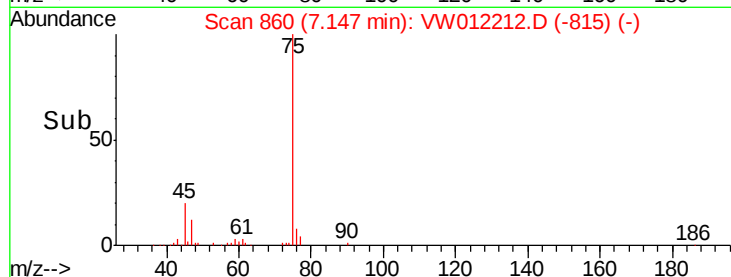
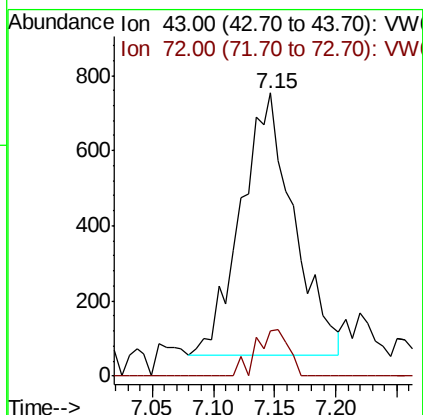
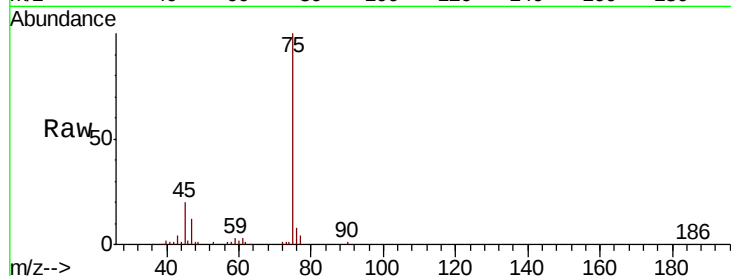
PX-11

Tgt Ion: 43 Resp: 2092

Ion Ratio Lower Upper

43 100

72 17.4 16.6 24.8



#29

Tetrahydrofuran

Concen: 3.061 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW012212.D

Acq: 27 Aug 2019 15:09

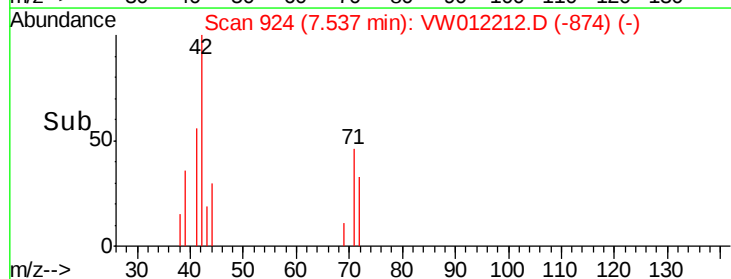
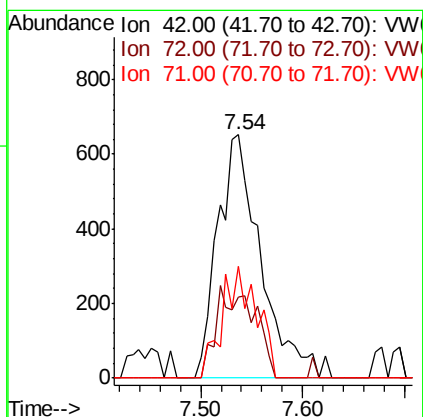
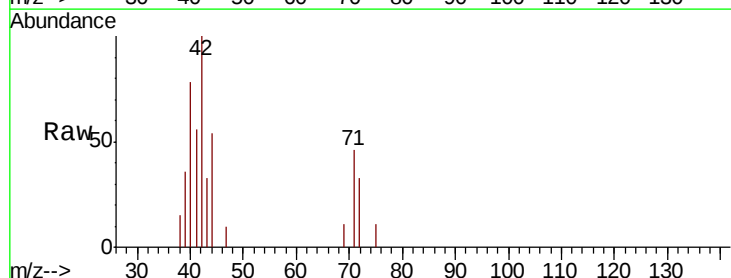
Tgt Ion: 42 Resp: 1919

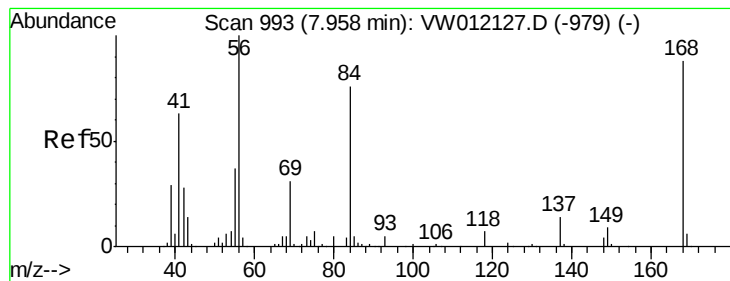
Ion Ratio Lower Upper

42 100

72 15.2 27.3 40.9#

71 36.5 25.5 38.3





#31

Cyclohexane

Concen: 1.172 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012212.D

Acq: 27 Aug 2019 15:09

Instrument :

MSVOA_W

ClientSampled :

PX-11

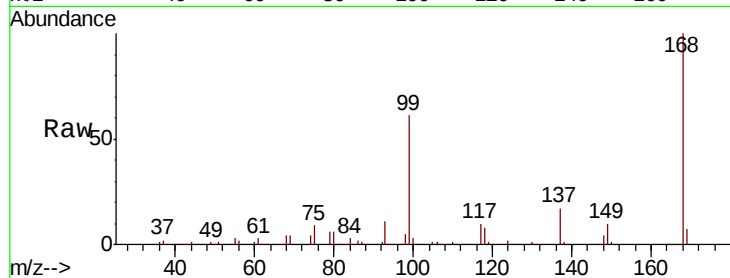
Tgt Ion: 56 Resp: 6349

Ion Ratio Lower Upper

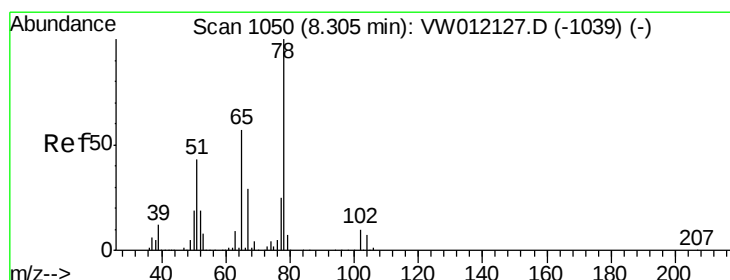
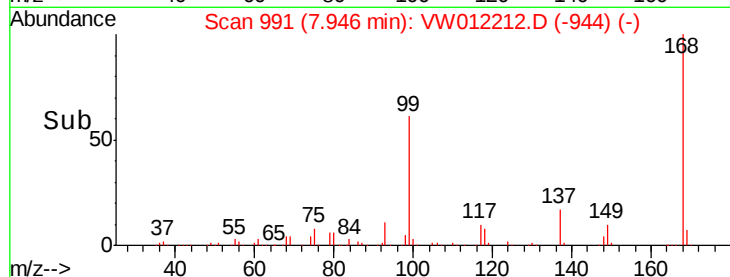
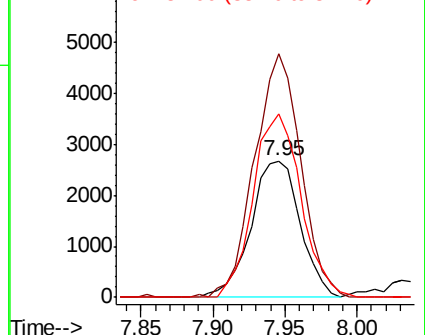
56 100

69 178.2 24.9 37.3#

84 134.3 60.6 90.8#



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: 49.345 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012212.D

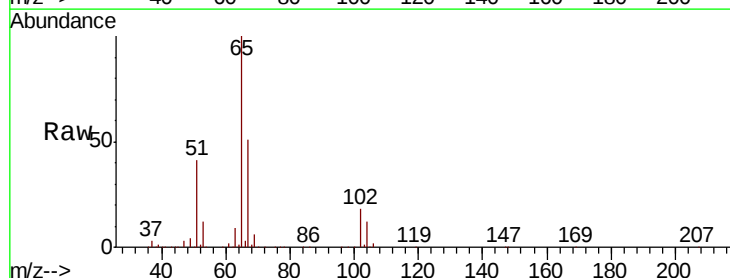
Acq: 27 Aug 2019 15:09

Tgt Ion: 65 Resp: 148422

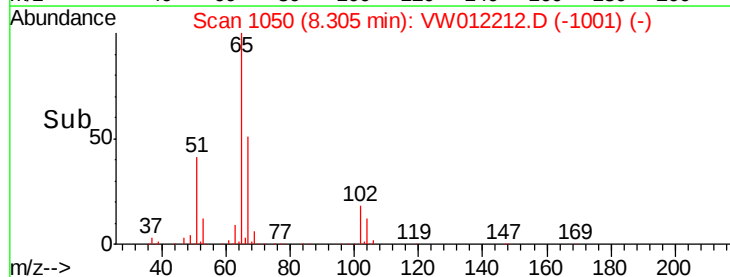
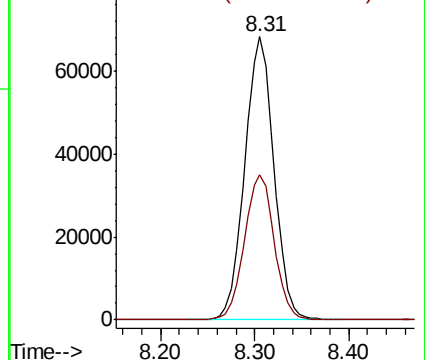
Ion Ratio Lower Upper

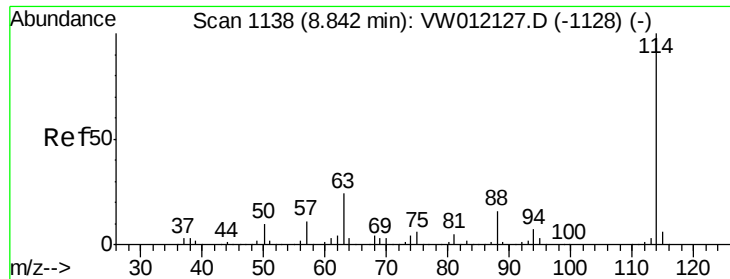
65 100

67 52.3 0.0 102.6



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

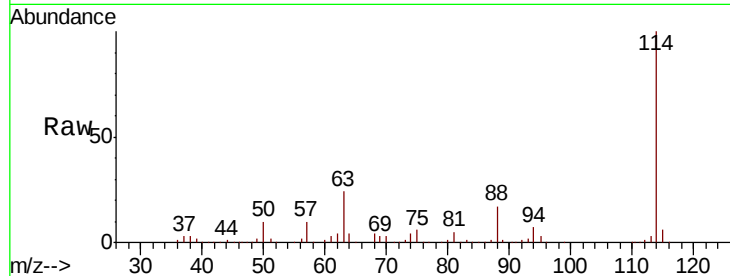




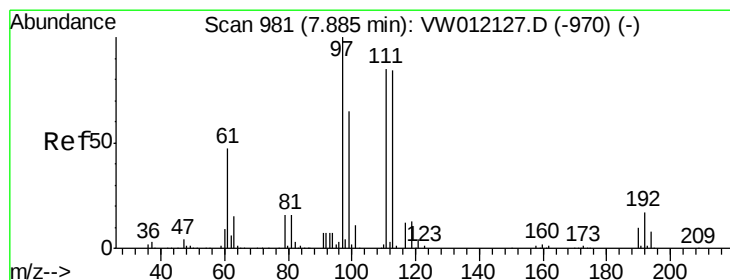
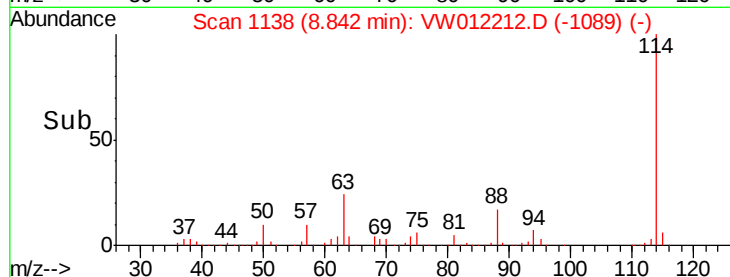
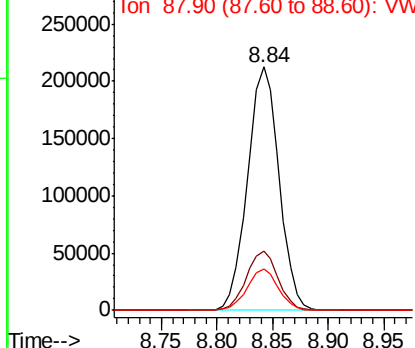
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012212.D
 Acq: 27 Aug 2019 15:09

Instrument :
 MSVOA_W
 ClientSampled :
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Tgt Ion:114 Resp: 419533
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 48.6
 88 16.9 0.0 32.2

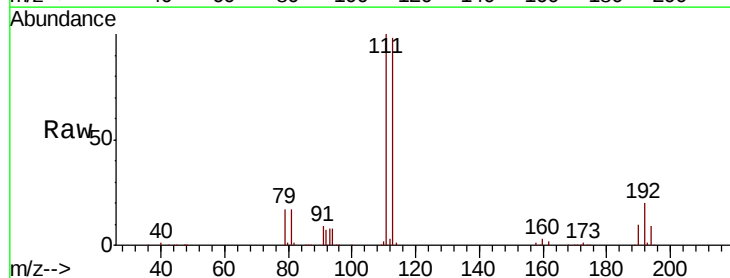


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

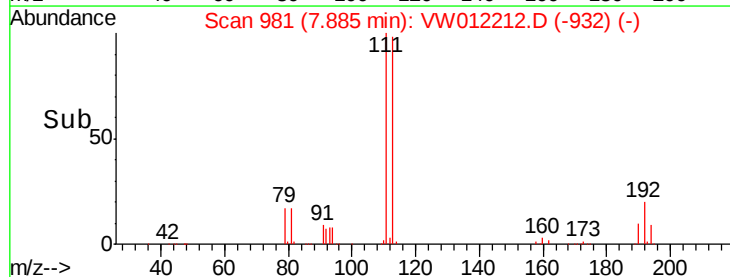
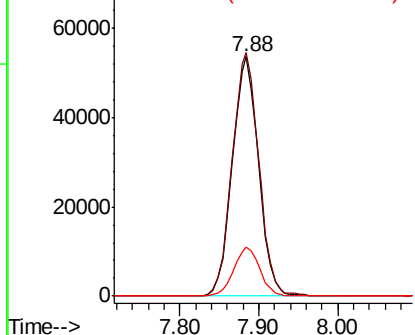


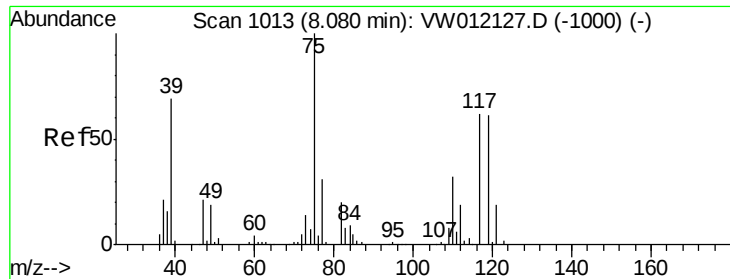
#35
 Dibromofluoromethane
 Concen: 49.588 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012212.D
 Acq: 27 Aug 2019 15:09

Tgt Ion:113 Resp: 124179
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.7 124.1
 192 20.2 16.2 24.2



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

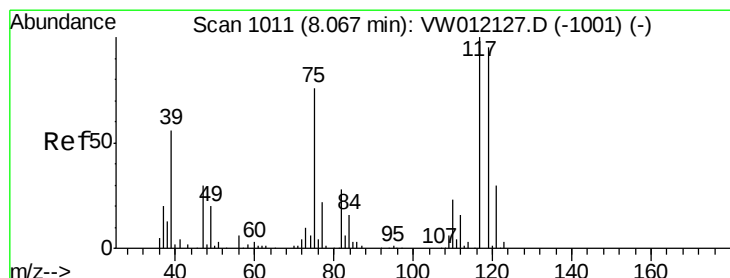
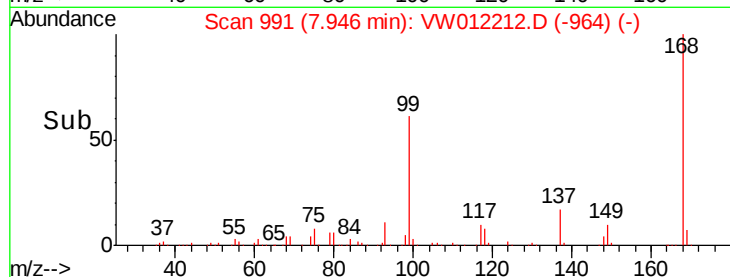
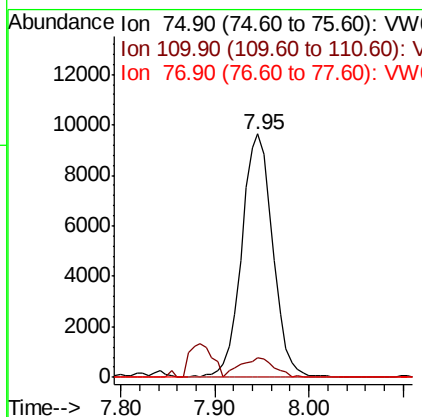
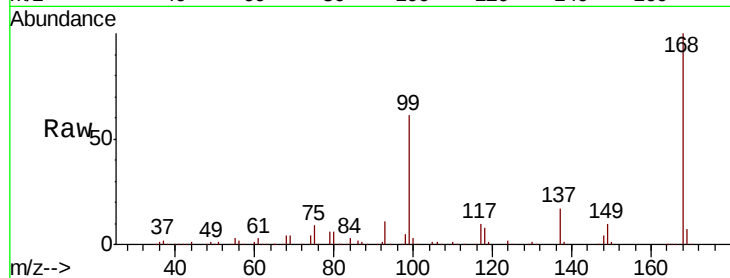




#36
 1,1-Dichloropropene
 Concen: 5.126 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012212.D
 Acq: 27 Aug 2019 15:09

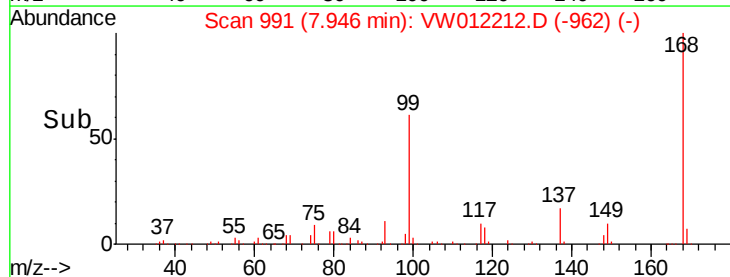
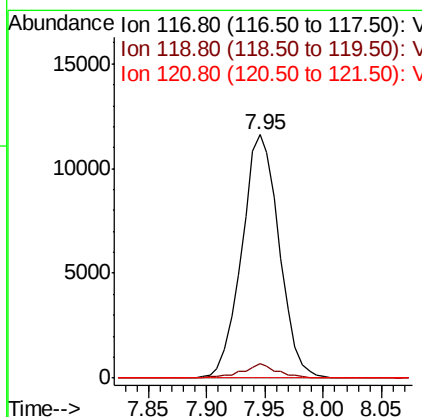
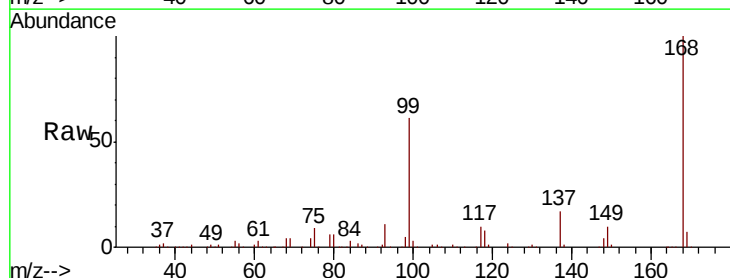
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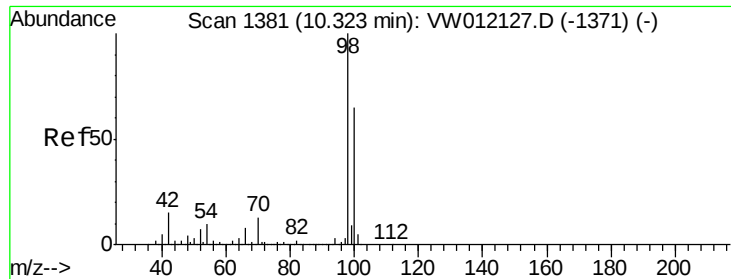
Tgt Ion: 75 Resp: 22222
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.919 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012212.D
 Acq: 27 Aug 2019 15:09

Tgt Ion: 117 Resp: 25964
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.2 114.2#
 121 0.0 23.8 35.8#

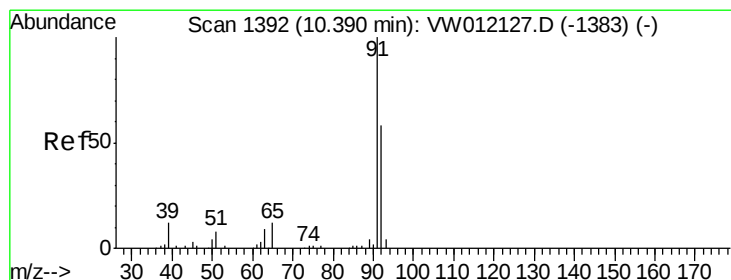
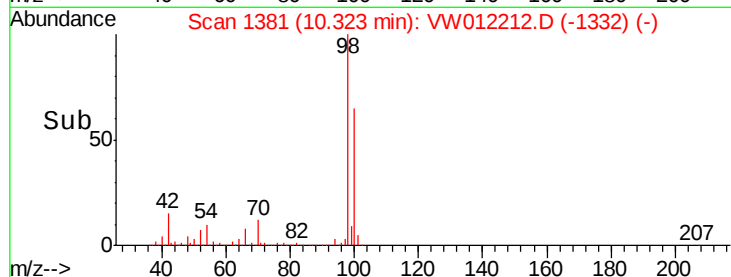
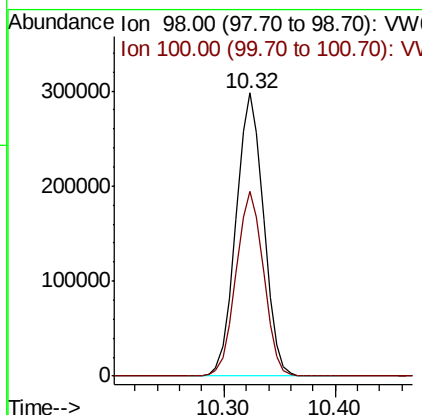
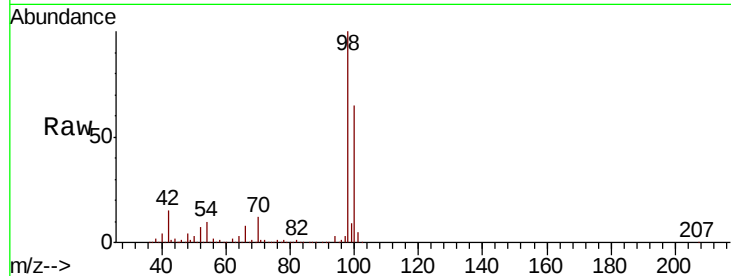




#50
Toluene-d8
Concen: 50.348 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012212.D
Acq: 27 Aug 2019 15:09

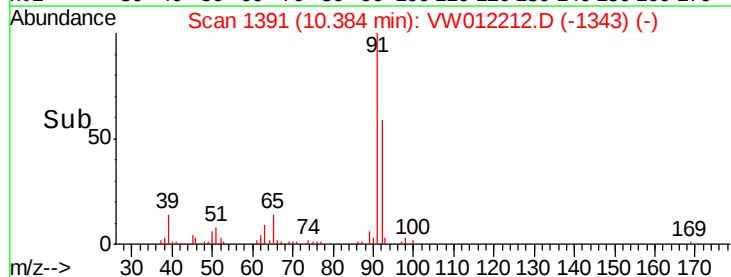
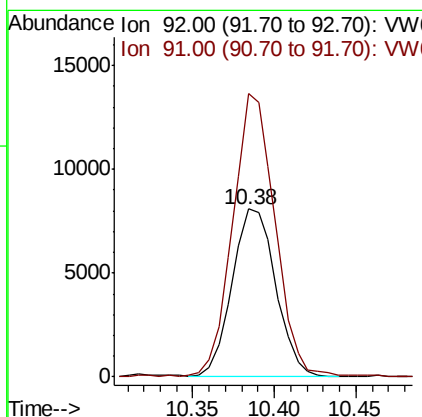
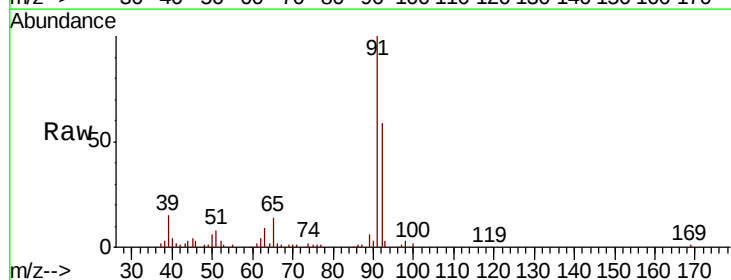
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ClientSampleId :
PX-11

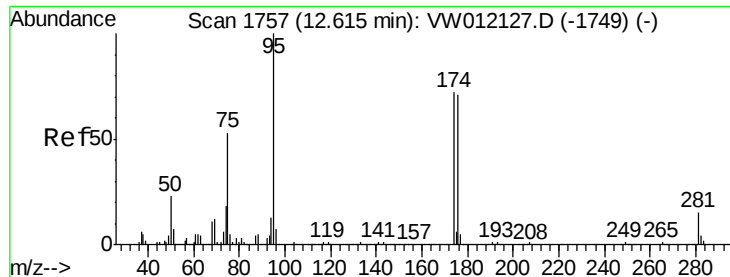
Tgt Ion: 98 Resp: 511223
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6



#52
Toluene
Concen: 2.121 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW012212.D
Acq: 27 Aug 2019 15:09

Tgt Ion: 92 Resp: 15082
Ion Ratio Lower Upper
92 100
91 163.8 136.6 204.8

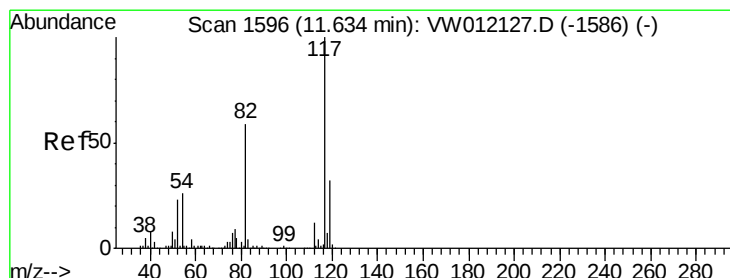
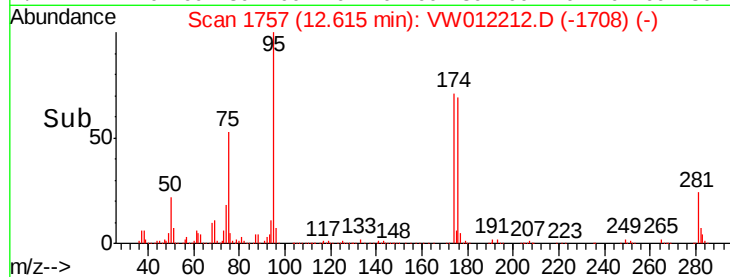
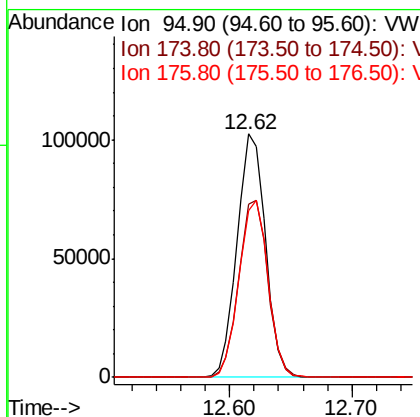
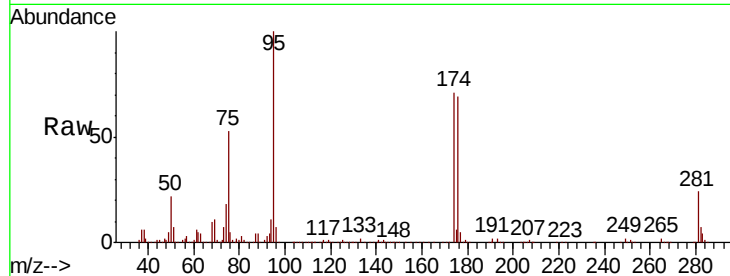




#62
4-Bromofluorobenzene
Concen: 46.231 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012212.D
Acq: 27 Aug 2019 15:09

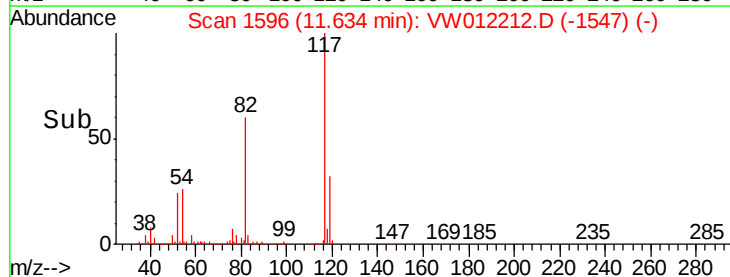
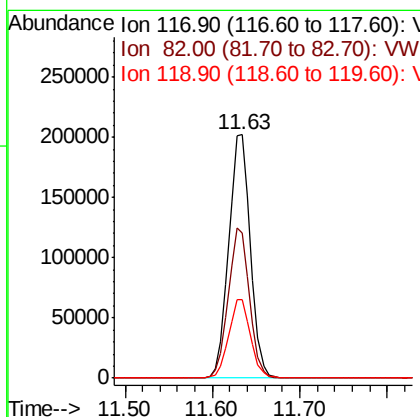
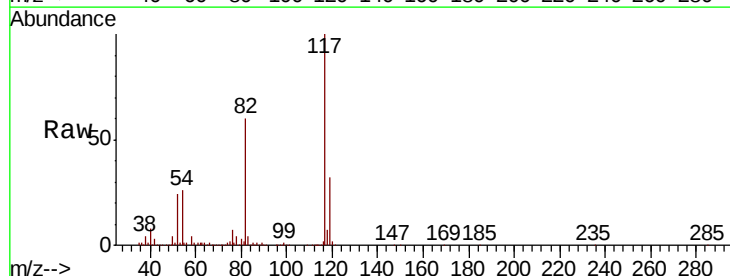
Instrument :
MSVOA_W
ClientSampleId :
PX-11

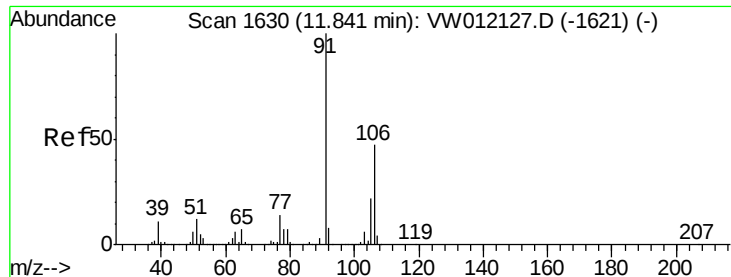
Tgt Ion	Resp	Lower	Upper
95	165470		
174	74.6	0.0	150.8
176	74.1	0.0	148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012212.D
Acq: 27 Aug 2019 15:09

Tgt Ion	Resp	Lower	Upper
117	347654		
82	59.7	47.4	71.2
119	31.9	25.4	38.2

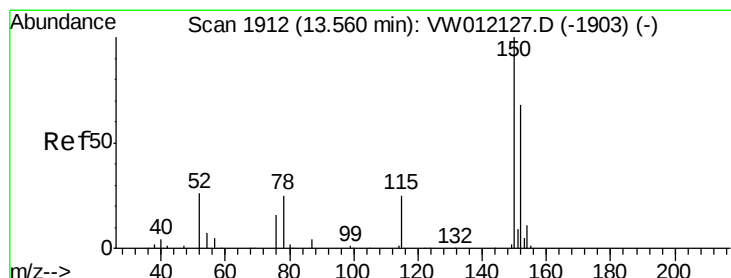
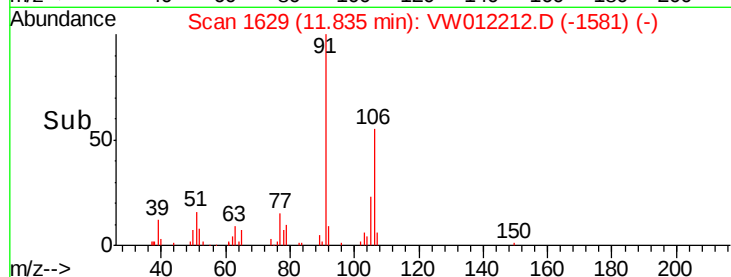
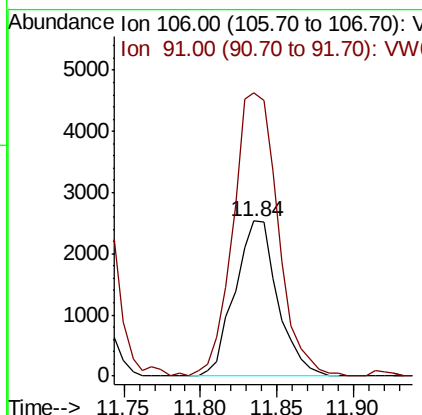
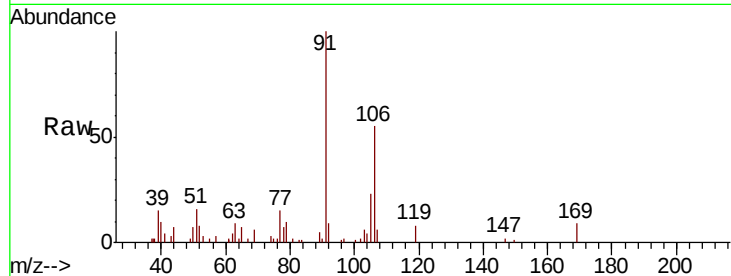




#68
m/p-Xylenes
Concen: 1.032 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012212.D
Acq: 27 Aug 2019 15:09

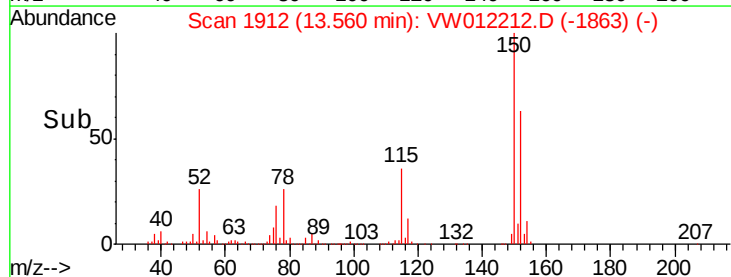
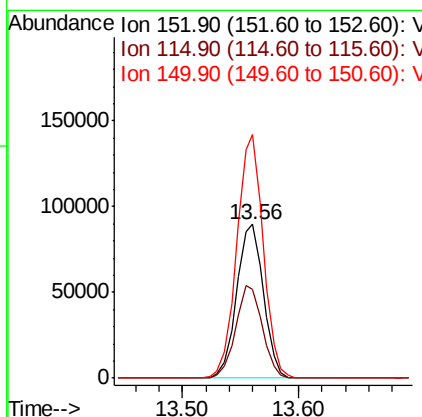
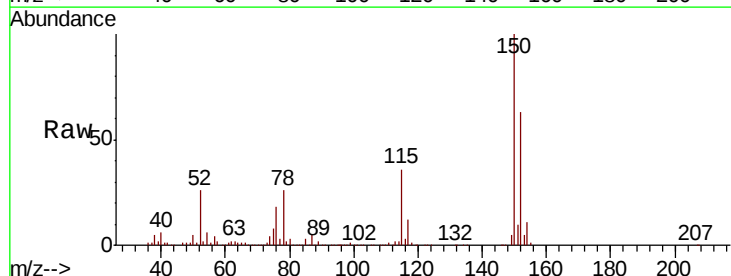
Instrument :
MSVOA_W
ClientSampled :
PX-11

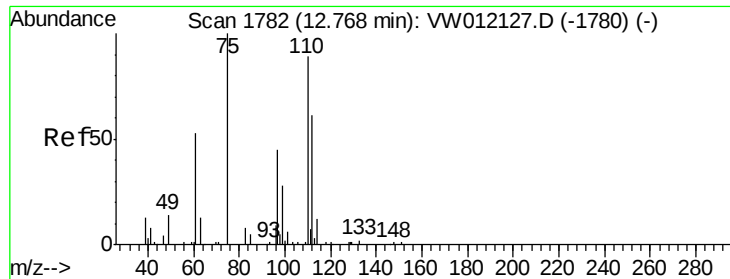
Tgt Ion:106 Resp: 4903
Ion Ratio Lower Upper
106 100
91 193.1 169.5 254.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012212.D
Acq: 27 Aug 2019 15:09

Tgt Ion:152 Resp: 143710
Ion Ratio Lower Upper
152 100
115 60.0 30.1 90.3
150 155.9 0.0 345.8

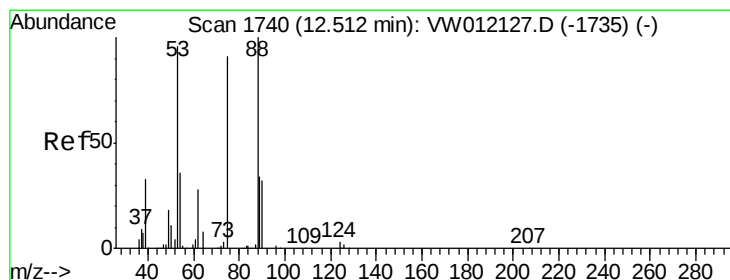
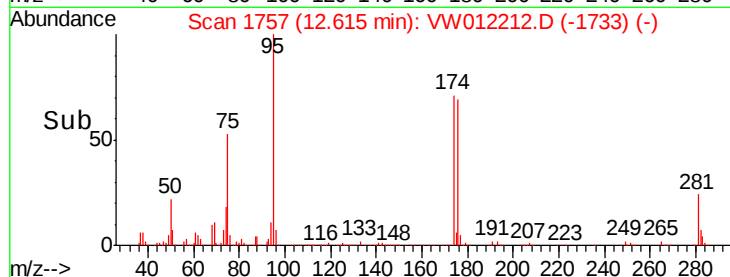
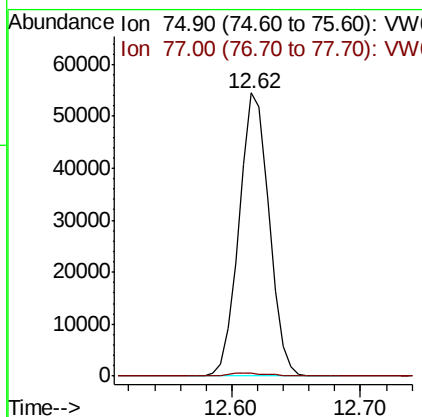
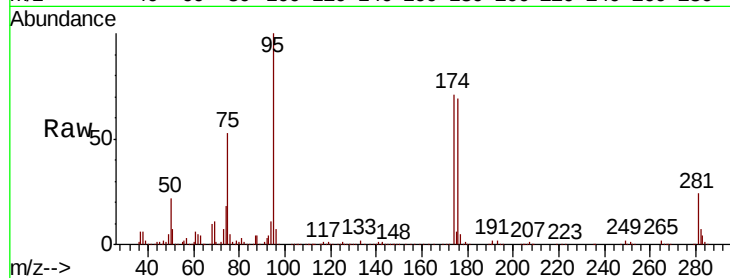




#76
 1,2,3-Trichloropropane
 Concen: 62.666 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012212.D
 Acq: 27 Aug 2019 15:09

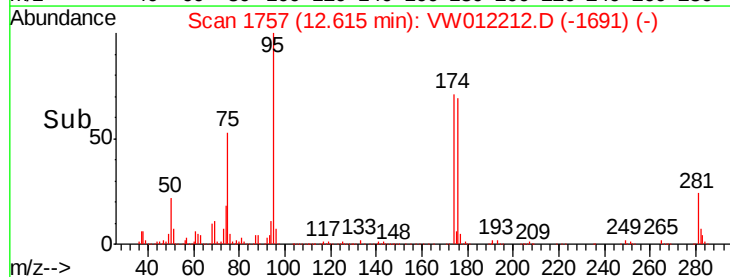
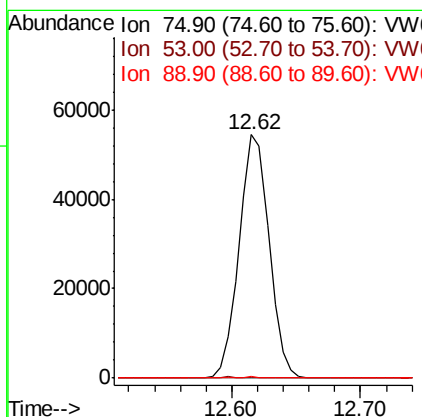
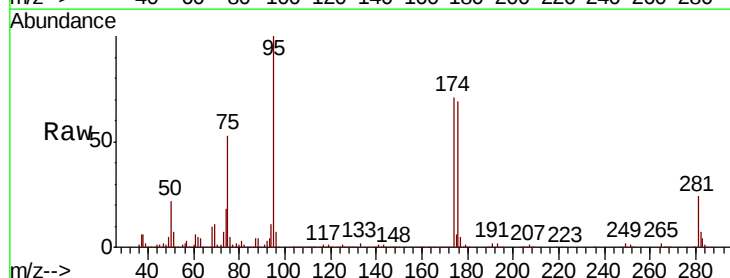
Instrument :
 MSVOA_W
 ClientSampled :
 PX-11

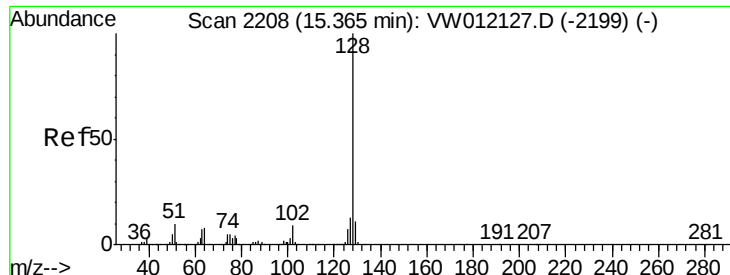
Tgt Ion: 75 Resp: 87709
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.397 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012212.D
 Acq: 27 Aug 2019 15:09

Tgt Ion: 75 Resp: 87709
 Ion Ratio Lower Upper
 75 100
 53 0.5 89.4 134.0#
 89 0.2 34.5 51.7#





#95
Naphthalene
Concen: 4.425 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW012212.D
Acq: 27 Aug 2019 15:09

Instrument :
MSVOA_W
ClientSampleId :
PX-11

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	11.9	8.7	13.1

