

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012207.D
 Acq On : 27 Aug 2019 12:50
 Operator : SY/VA
 Sample : K4521-03
 Misc : 4.49G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PX-06

Quant Time: Aug 28 04:56:05 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	133389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	216678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	185002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	74037	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	81647	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
35) Dibromofluoromethane	7.88	113	66634	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
50) Toluene-d8	10.32	98	266525	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.62	95	88401	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	

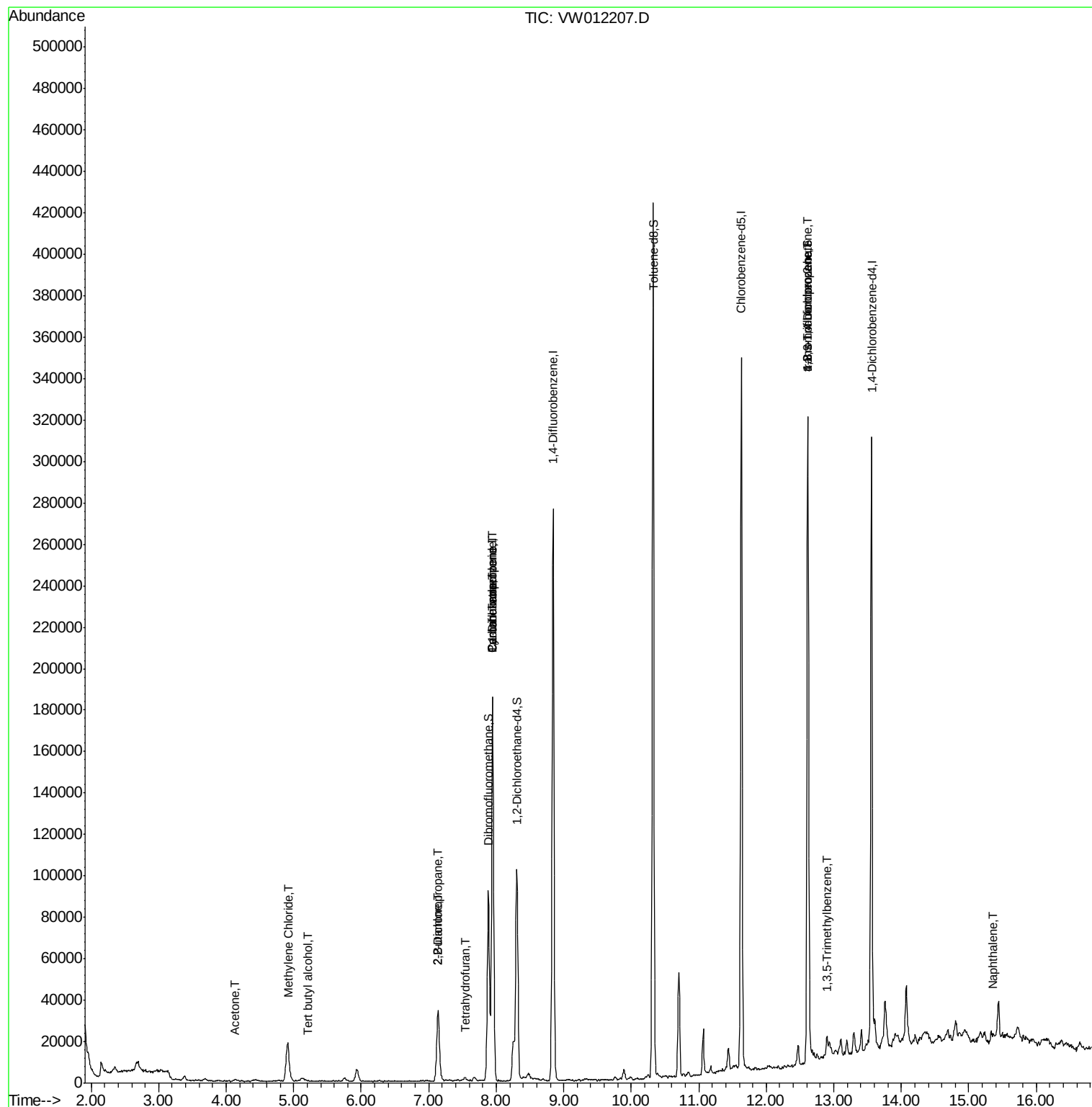
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	252	2.641	ug/l #	48
16) Acetone	4.14	43	1757	4.335	ug/l #	88
20) Methylene Chloride	4.92	84	12964	8.460	ug/l	95
25) 2-Butanone	7.14	43	2550	4.630	ug/l #	86
26) 2,2-Dichloropropane	7.13	77	2320	1.420	ug/l #	54
29) Tetrahydrofuran	7.54	42	1544	4.672	ug/l	93
31) Cyclohexane	7.95	56	3590	1.257	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	11337	5.063	ug/l #	52
38) Carbon Tetrachloride	7.95	117	13268	6.846	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	47593	66.004	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.90	105	5595	1.207	ug/l	77
81) trans-1,4-Dichloro-2-buten	12.62	75	47593	144.715	ug/l #	6
95) Naphthalene	15.36	128	755	4.568	ug/l #	51

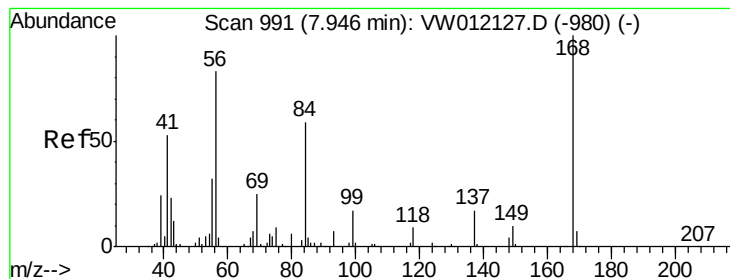
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012207.D

Acq: 27 Aug 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

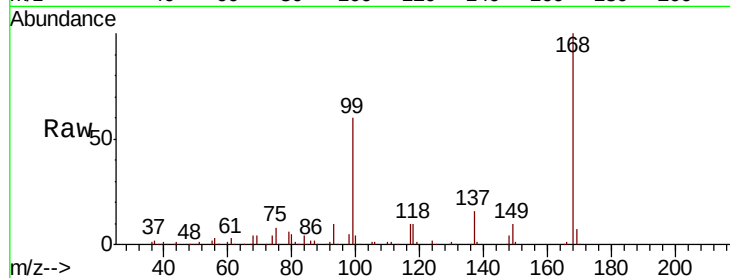
PX-06

Tgt Ion:168 Resp: 133389

Ion Ratio Lower Upper

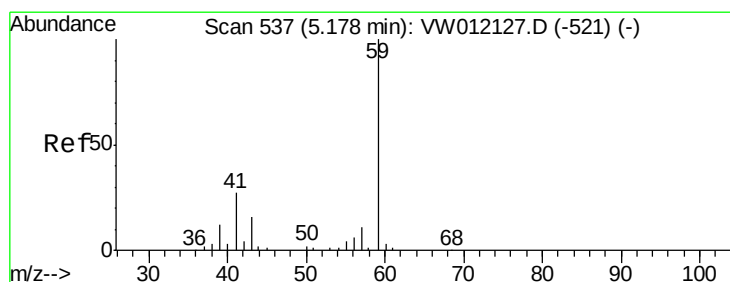
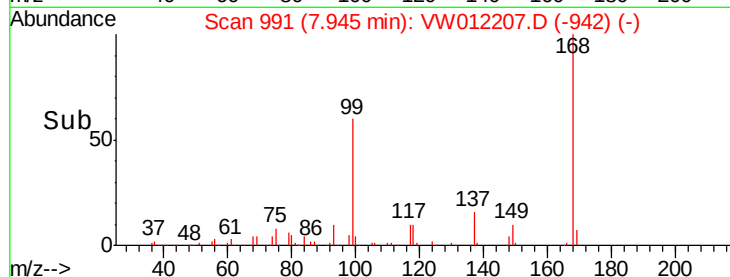
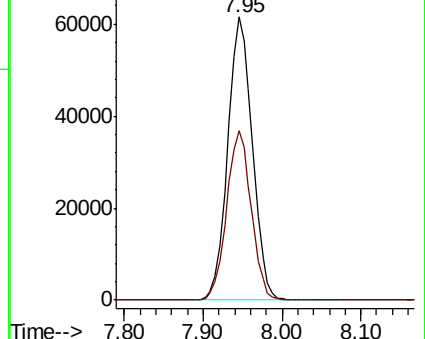
168 100

99 60.0 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.641 ug/l

RT: 5.21 min Scan# 542

Delta R.T. 0.03 min

Lab File: VW012207.D

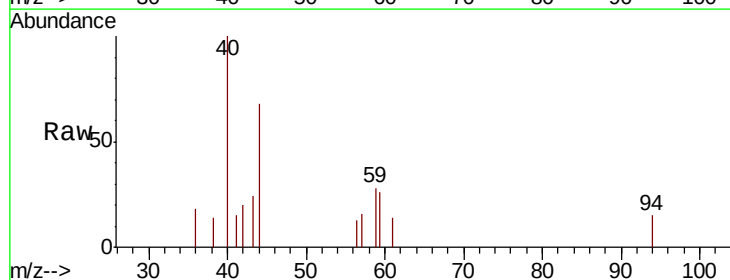
Acq: 27 Aug 2019 12:50

Tgt Ion: 59 Resp: 252

Ion Ratio Lower Upper

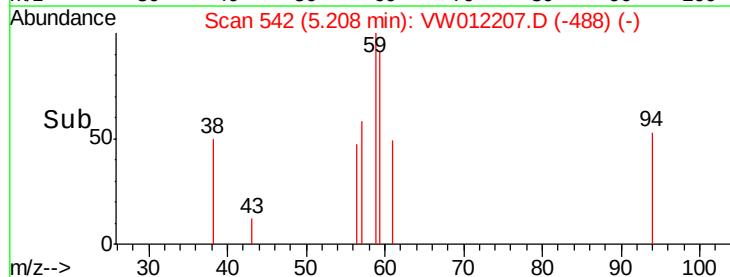
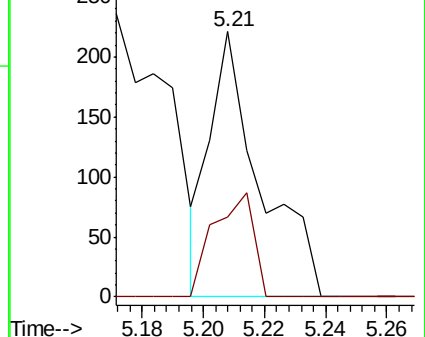
59 100

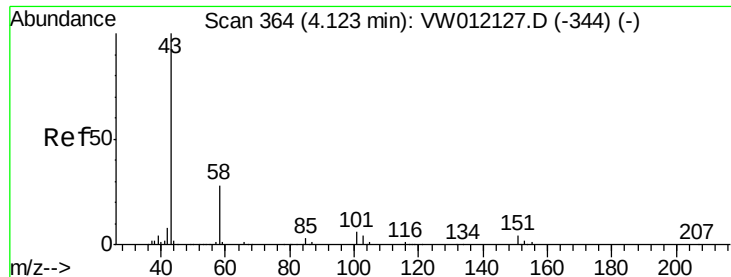
57 31.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 4.335 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012207.D

Acq: 27 Aug 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

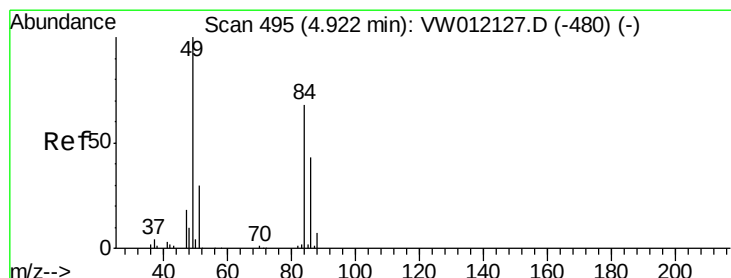
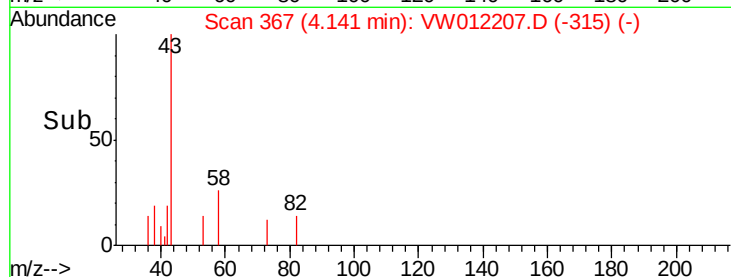
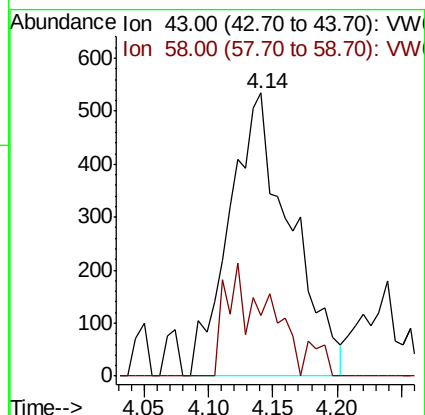
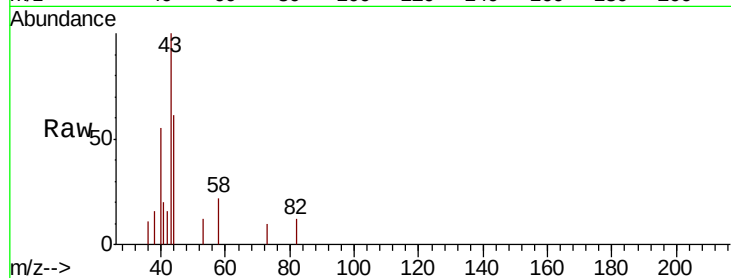
PX-06

Tgt Ion: 43 Resp: 1757

Ion Ratio Lower Upper

43 100

58 21.5 22.4 33.6#



#20

Methylene Chloride

Concen: 8.460 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012207.D

Acq: 27 Aug 2019 12:50

Tgt Ion: 84 Resp: 12964

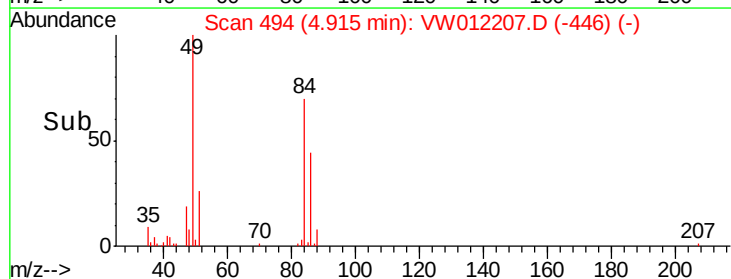
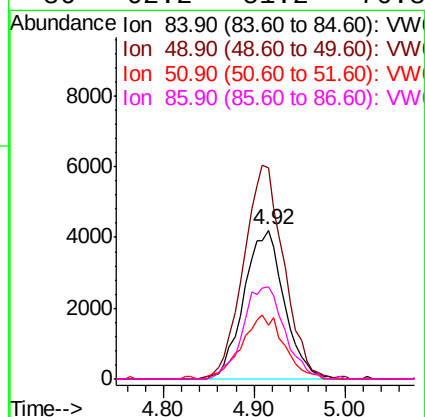
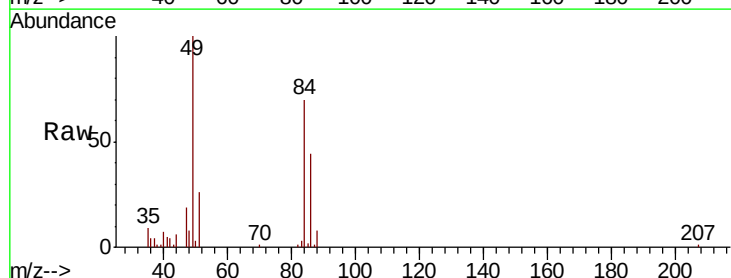
Ion Ratio Lower Upper

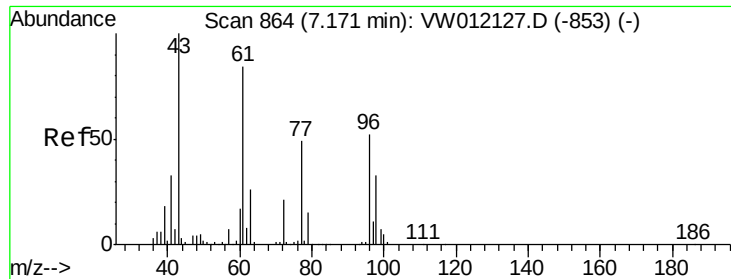
84 100

49 142.0 117.8 176.8

51 36.2 35.6 53.4

86 62.2 51.2 76.8

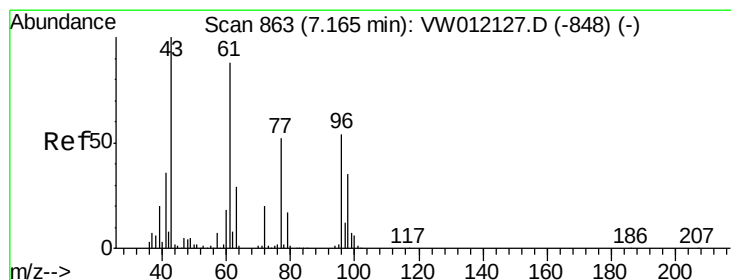
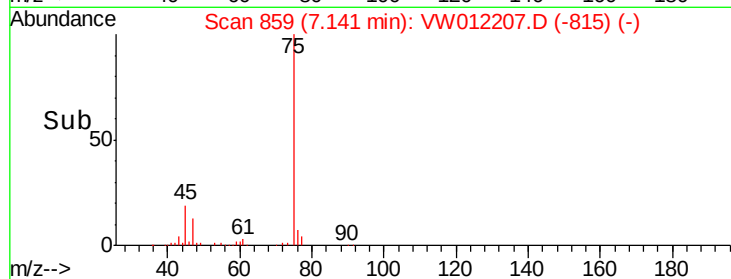
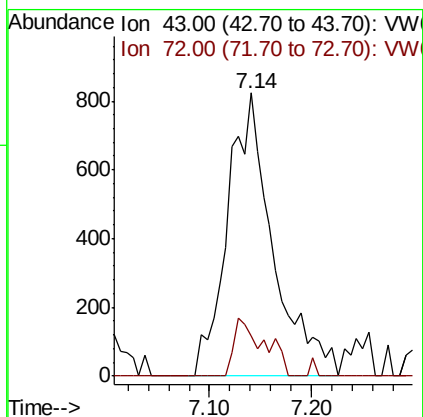
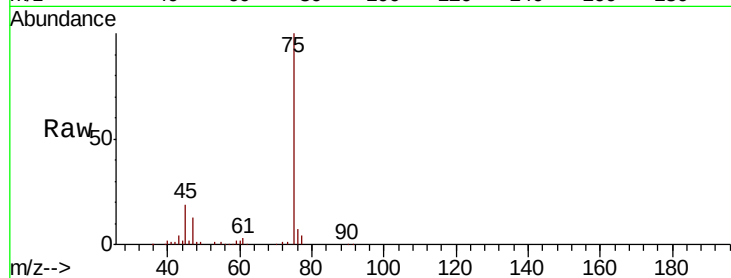




#25
 2-Butanone
 Concen: 4.630 ug/l
 RT: 7.14 min Scan# 859
 Delta R.T. -0.03 min
 Lab File: VW012207.D
 Acq: 27 Aug 2019 12:50

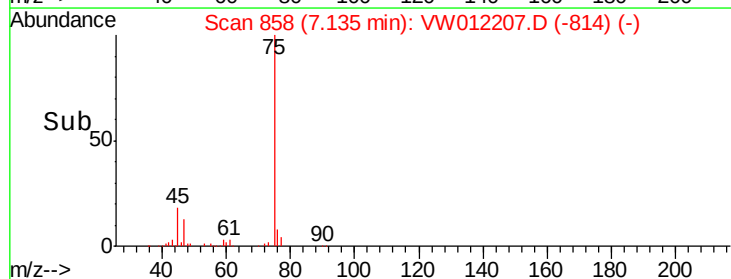
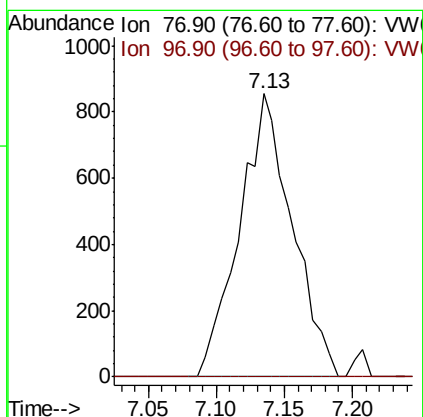
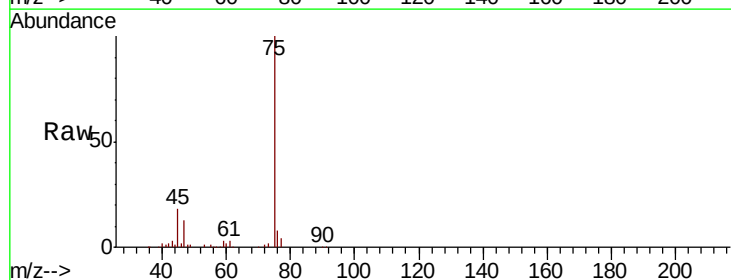
Instrument :
 MSVOA_W
 ClientSampled :
 PX-06

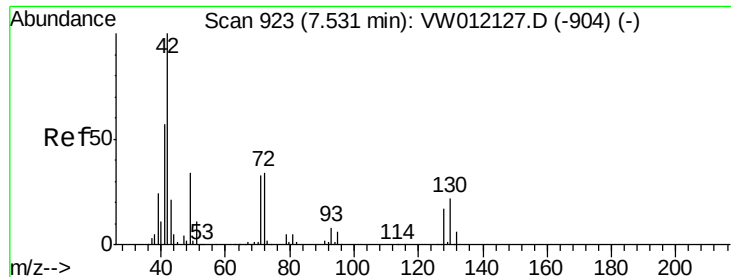
Tgt Ion: 43 Resp: 2550
 Ion Ratio Lower Upper
 43 100
 72 14.1 16.6 24.8#



#26
 2,2-Dichloropropane
 Concen: 1.420 ug/l
 RT: 7.13 min Scan# 858
 Delta R.T. -0.03 min
 Lab File: VW012207.D
 Acq: 27 Aug 2019 12:50

Tgt Ion: 77 Resp: 2320
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.1 33.1#

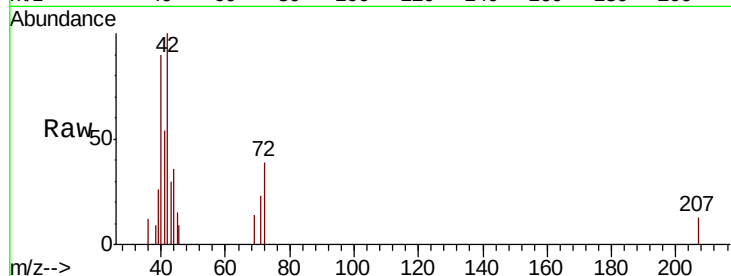




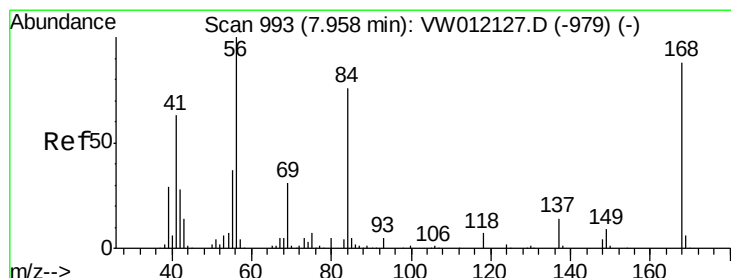
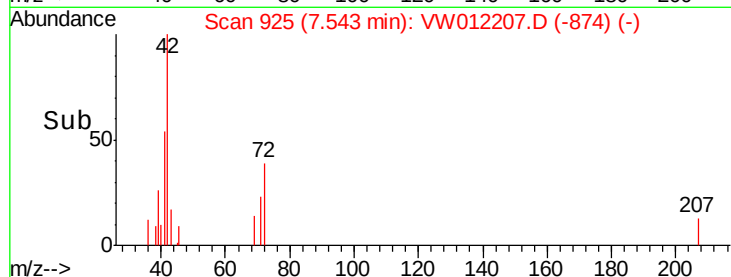
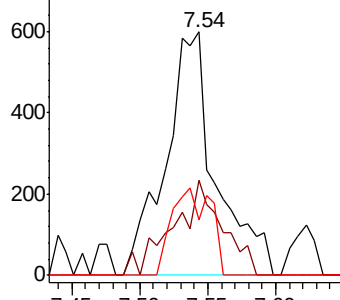
#29
Tetrahydrofuran
Concen: 4.672 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012207.D
Acq: 27 Aug 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
PX-06

Tgt Ion: 42 Resp: 1544
Ion Ratio Lower Upper
42 100
72 38.5 27.3 40.9
71 27.9 25.5 38.3

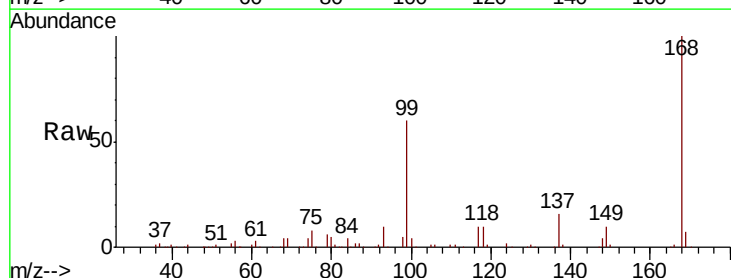


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

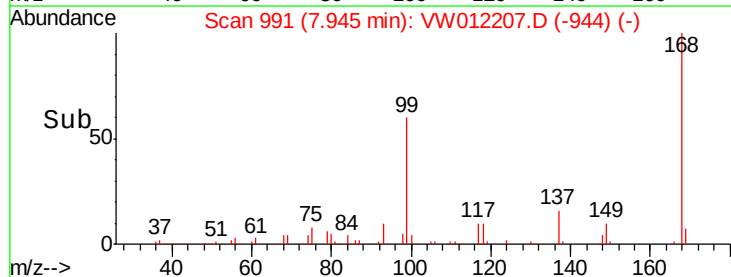
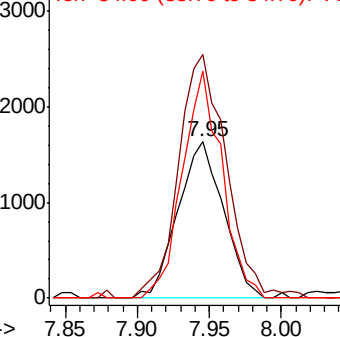


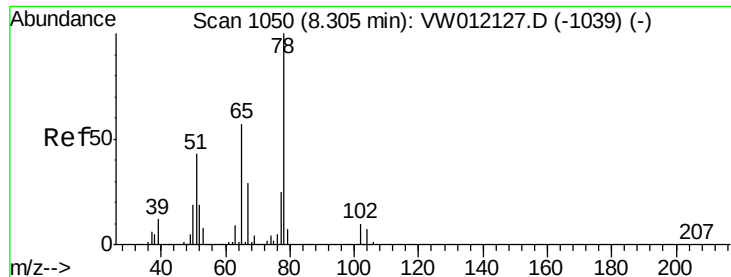
#31
Cyclohexane
Concen: 1.257 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012207.D
Acq: 27 Aug 2019 12:50

Tgt Ion: 56 Resp: 3590
Ion Ratio Lower Upper
56 100
69 155.7 24.9 37.3#
84 148.2 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

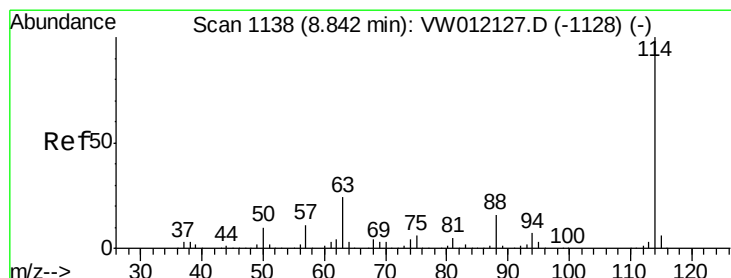
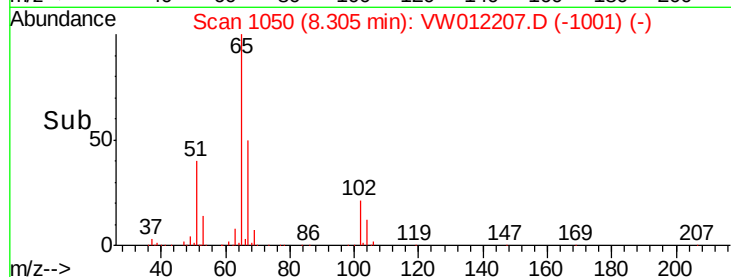
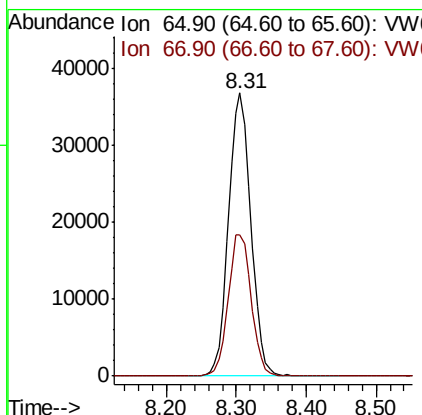
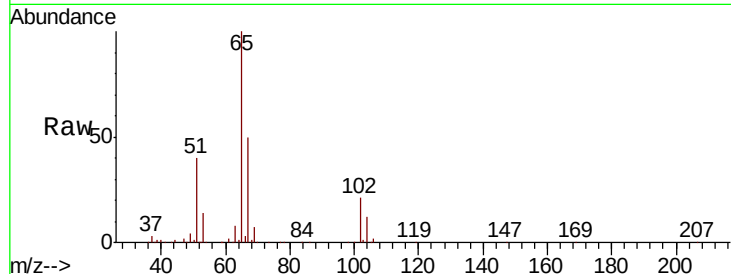




#33
 1,2-Dichloroethane-d4
 Concen: 51.491 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012207.D
 Acq: 27 Aug 2019 12:50

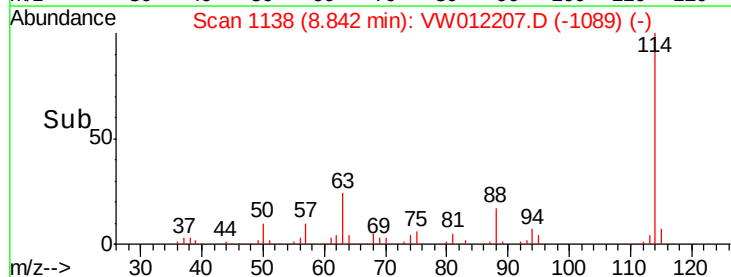
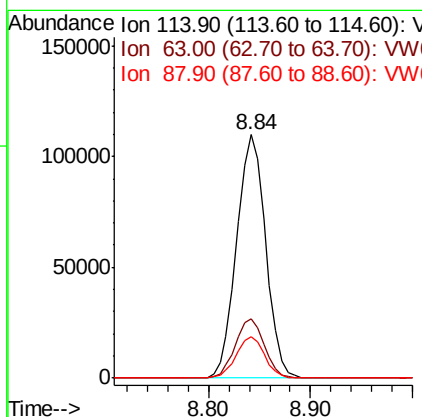
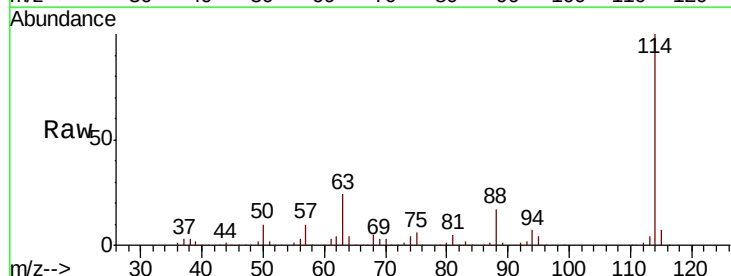
Instrument :
 MSVOA_W
 ClientSampleId :
 PX-06

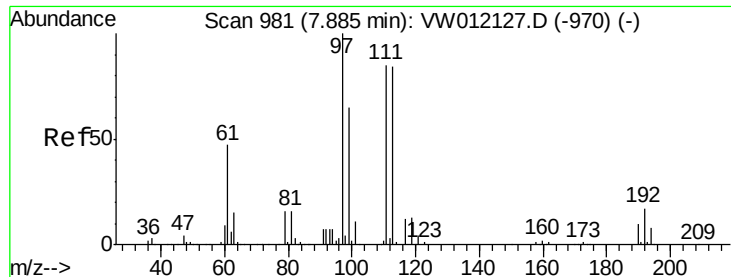
Tgt Ion: 65 Resp: 81647
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012207.D
 Acq: 27 Aug 2019 12:50

Tgt Ion: 114 Resp: 216678
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 48.6
 88 16.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 51.520 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012207.D

Acq: 27 Aug 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

PX-06

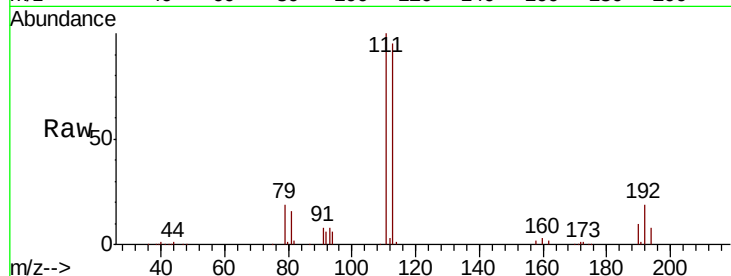
Tgt Ion:113 Resp: 66634

Ion Ratio Lower Upper

113 100

111 101.0 82.7 124.1

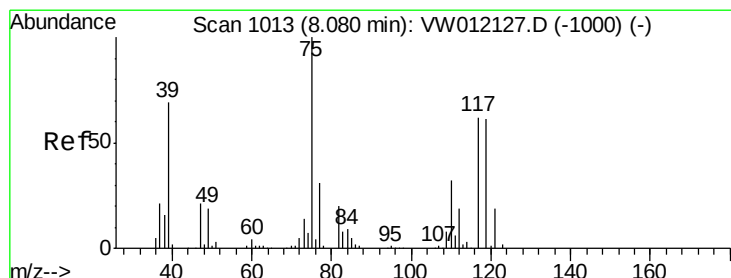
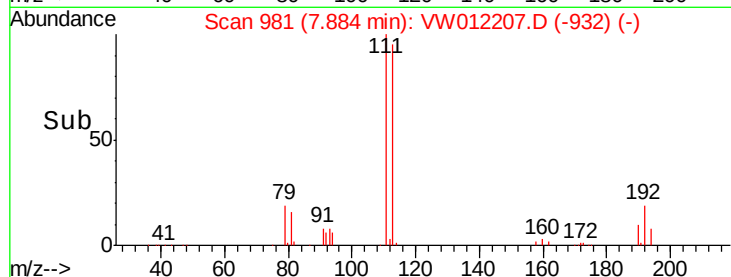
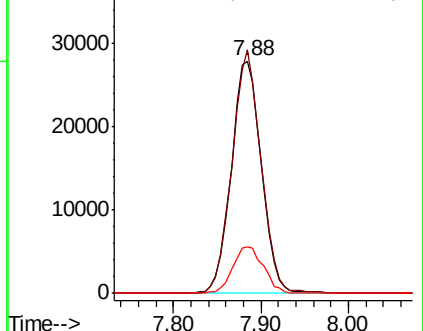
192 20.6 16.2 24.2



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: 5.063 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012207.D

Acq: 27 Aug 2019 12:50

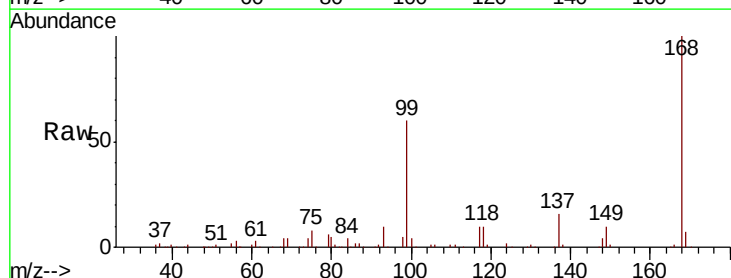
Tgt Ion: 75 Resp: 11337

Ion Ratio Lower Upper

75 100

110 8.8 15.6 46.8#

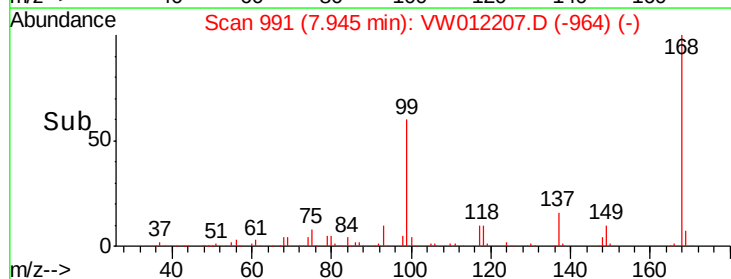
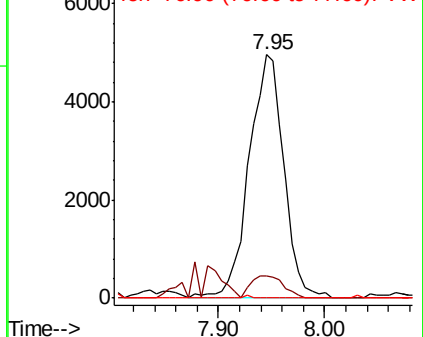
77 0.2 24.6 36.8#

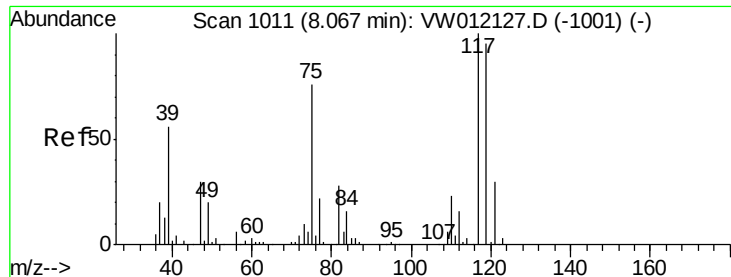


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

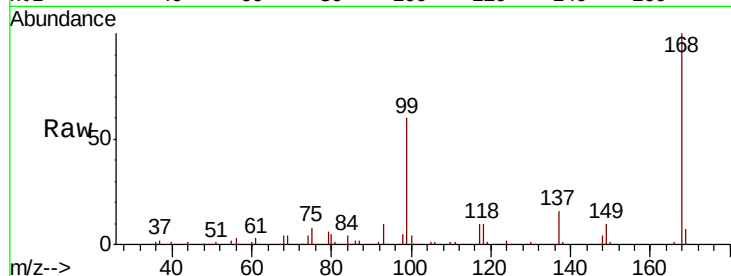




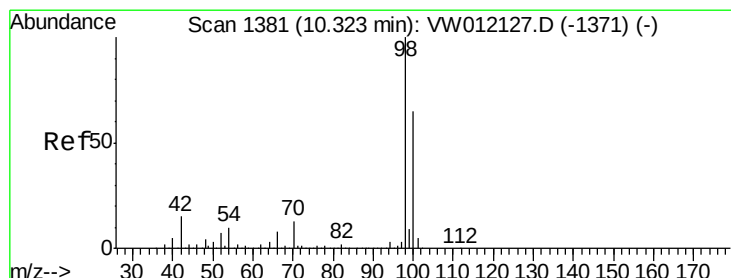
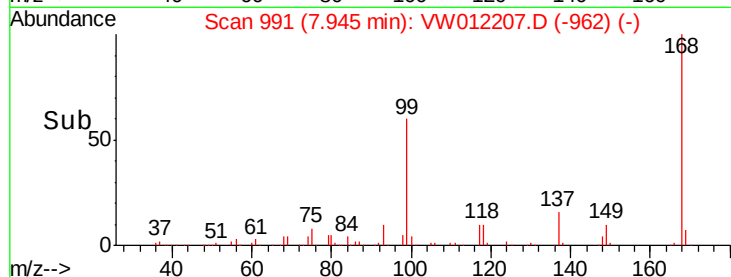
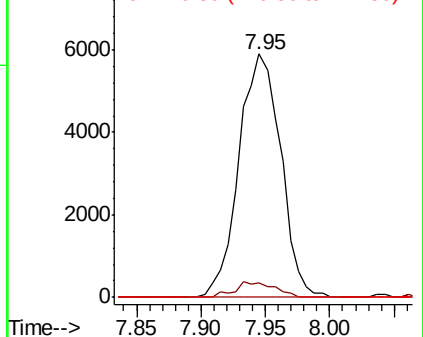
#38
Carbon Tetrachloride
Concen: 6.846 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012207.D
Acq: 27 Aug 2019 12:50

Instrument :
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PX-06

Tgt Ion: 117 Resp: 13268
Ion Ratio Lower Upper
117 100
119 6.2 76.2 114.2#
121 0.0 23.8 35.8#

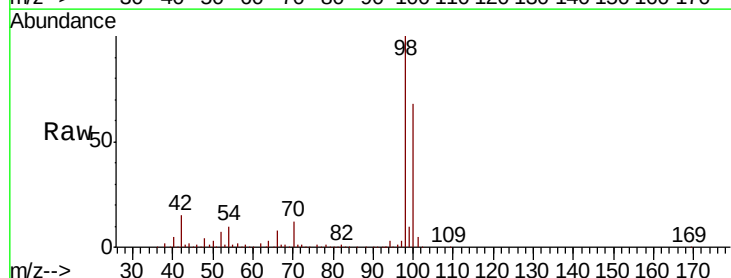


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

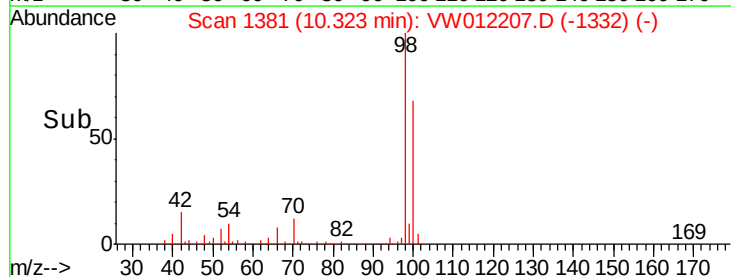
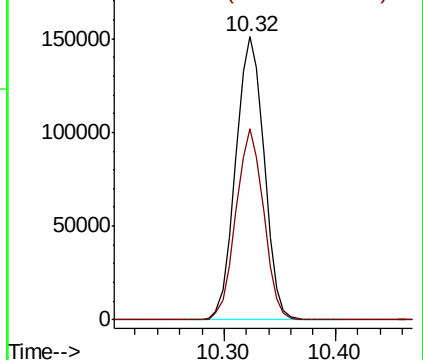


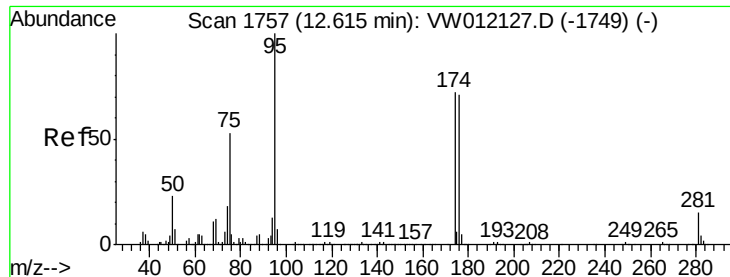
#50
Toluene-d8
Concen: 50.823 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012207.D
Acq: 27 Aug 2019 12:50

Tgt Ion: 98 Resp: 266525
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6



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

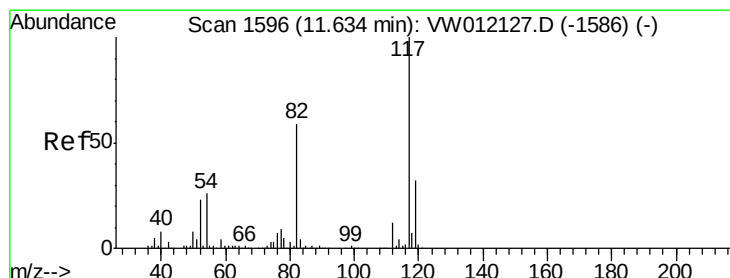
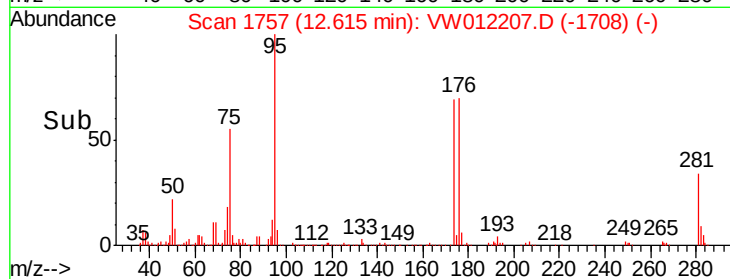
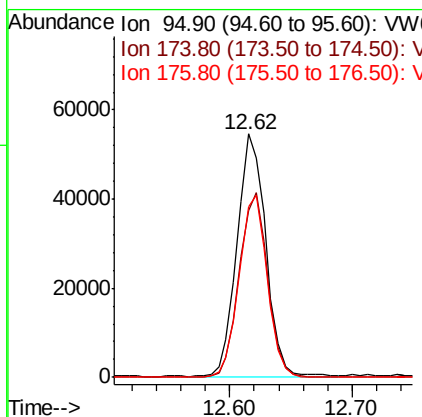
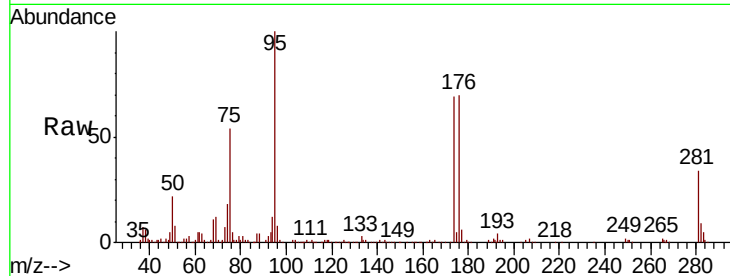




#62
4-Bromofluorobenzene
Concen: 47.821 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012207.D
Acq: 27 Aug 2019 12:50

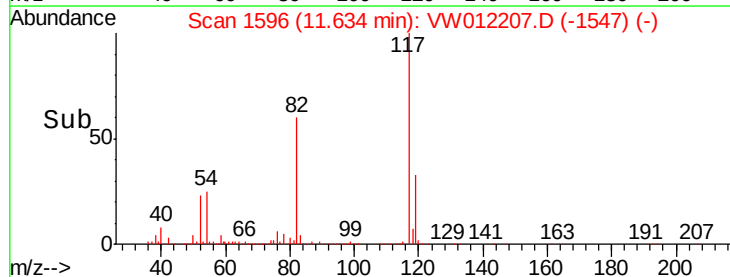
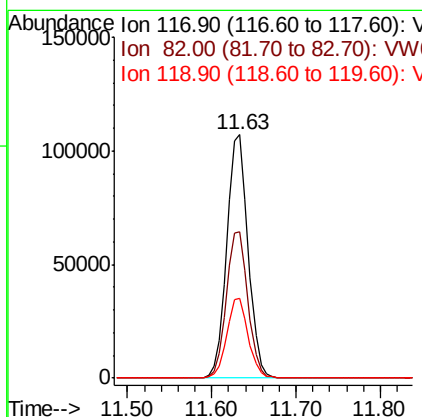
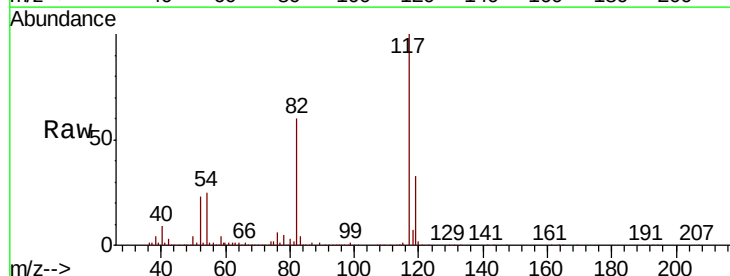
Instrument :
MSVOA_W
ClientSampleId :
PX-06

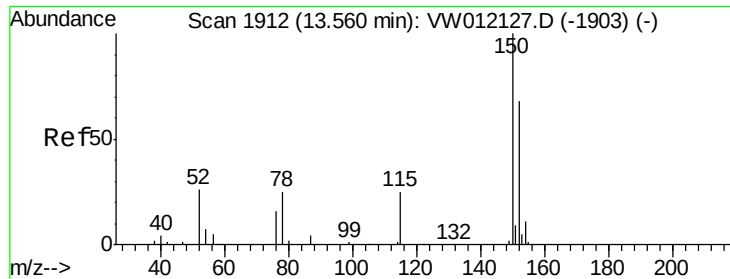
Tgt Ion: 95 Resp: 88401
Ion Ratio Lower Upper
95 100
174 75.5 0.0 150.8
176 73.8 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012207.D
Acq: 27 Aug 2019 12:50

Tgt Ion: 117 Resp: 185002
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.2
119 32.7 25.4 38.2



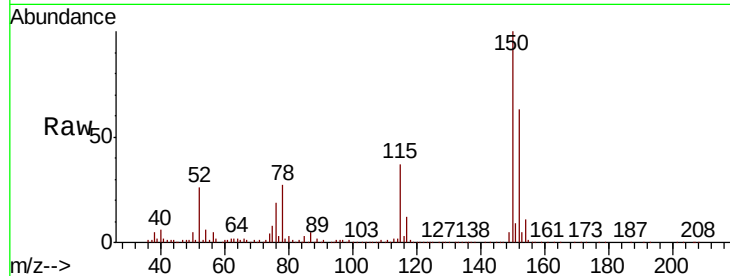


#72

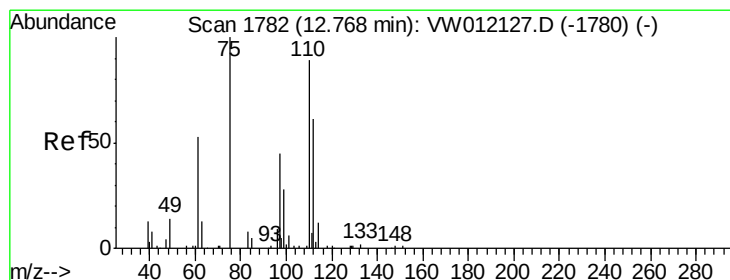
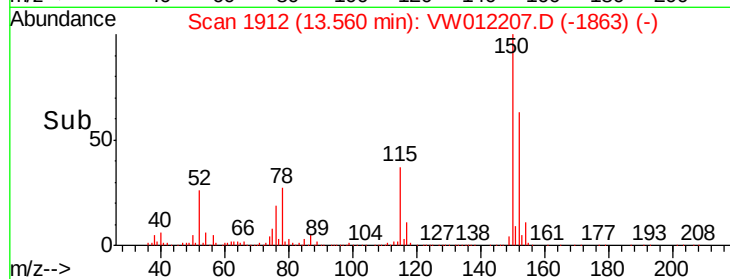
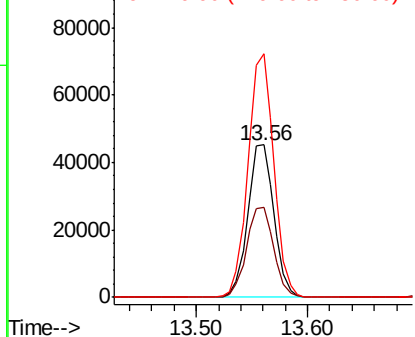
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012207.D
Acq: 27 Aug 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
PX-06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.1	90.3
150	157.2	0.0	345.8



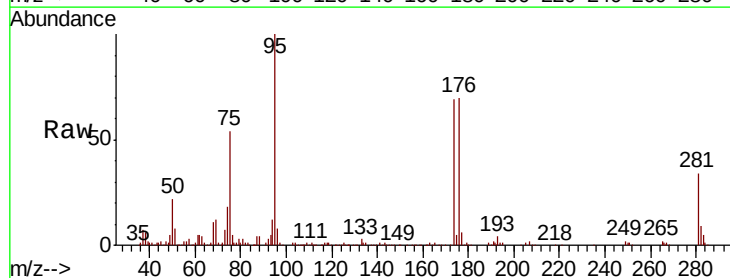
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



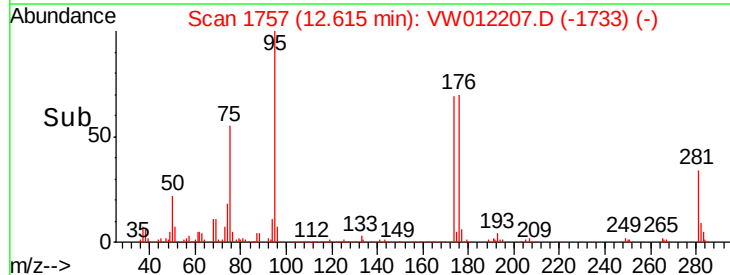
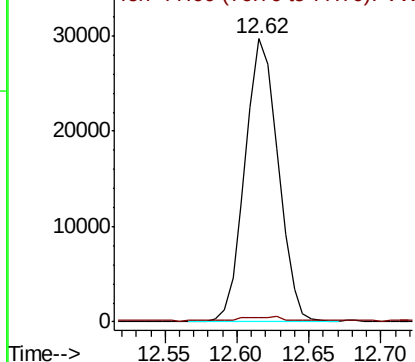
#76

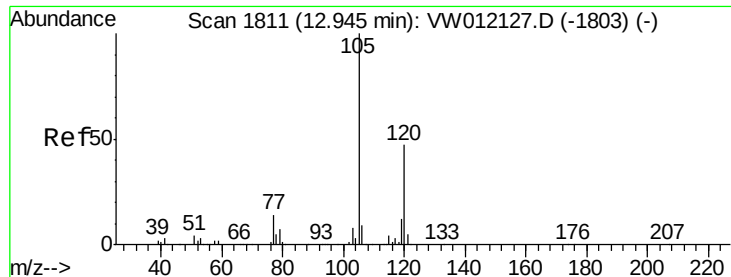
1,2,3-Trichloropropane
Concen: 66.004 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012207.D
Acq: 27 Aug 2019 12:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	2.0	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#80

1,3,5-Trimethylbenzene

Concen: 1.207 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. -0.04 min

Lab File: VW012207.D

Acq: 27 Aug 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

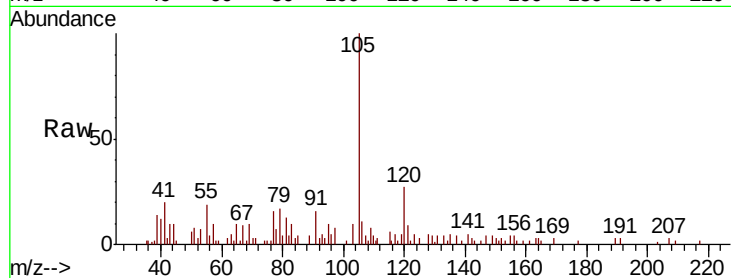
PX-06

Tgt Ion: 105 Resp: 5595

Ion Ratio Lower Upper

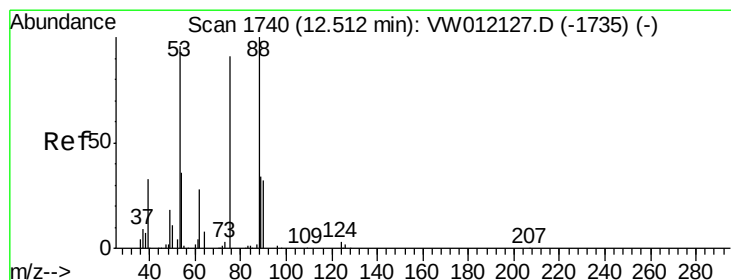
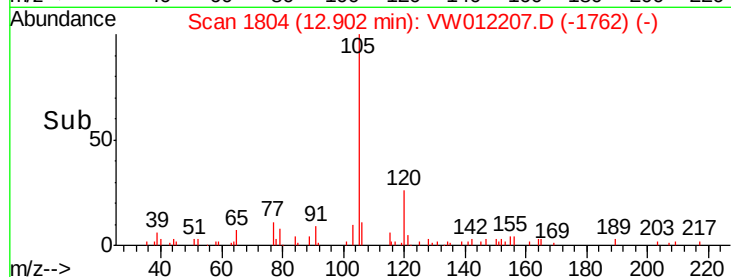
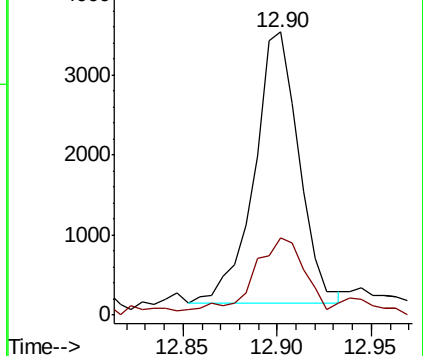
105 100

120 32.2 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 144.715 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012207.D

Acq: 27 Aug 2019 12:50

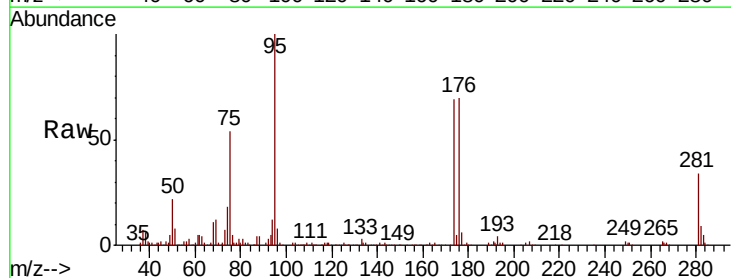
Tgt Ion: 75 Resp: 47593

Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

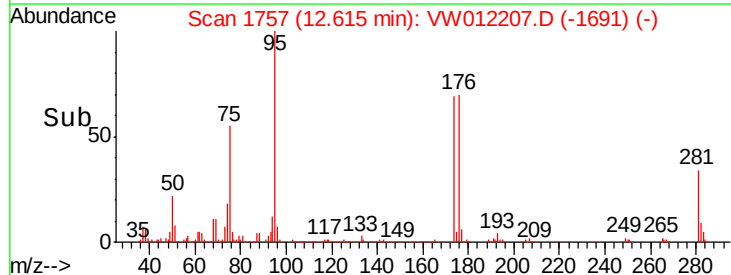
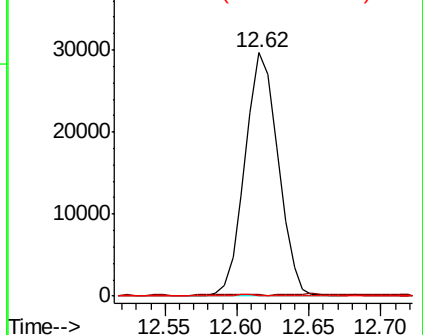
89 0.0 34.5 51.7#

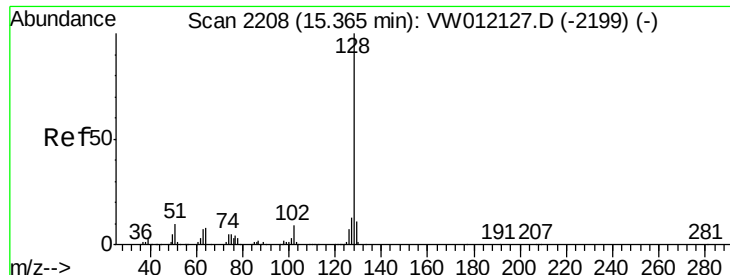


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95
Naphthalene
Concen: 4.568 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012207.D
Acq: 27 Aug 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
PX-06

Tgt Ion	Ratio	Lower	Upper
128	100		
127	39.2	10.7	16.1#
129	22.5	8.7	13.1#

