

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012664.D
 Acq On : 06 Sep 2019 02:13
 Operator : SY/VA
 Sample : K4579-09
 Misc : 4.80G/5ML/MSVOA_W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-B1-(0)

Quant Time: Sep 06 07:58:20 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	262510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	419383	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	337670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	116576	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	164294	52.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.30%	
35) Dibromofluoromethane	7.88	113	126342	50.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.94%	
50) Toluene-d8	10.32	98	500488	49.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.62%	
62) 4-Bromofluorobenzene	12.62	95	138712	38.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.54%	

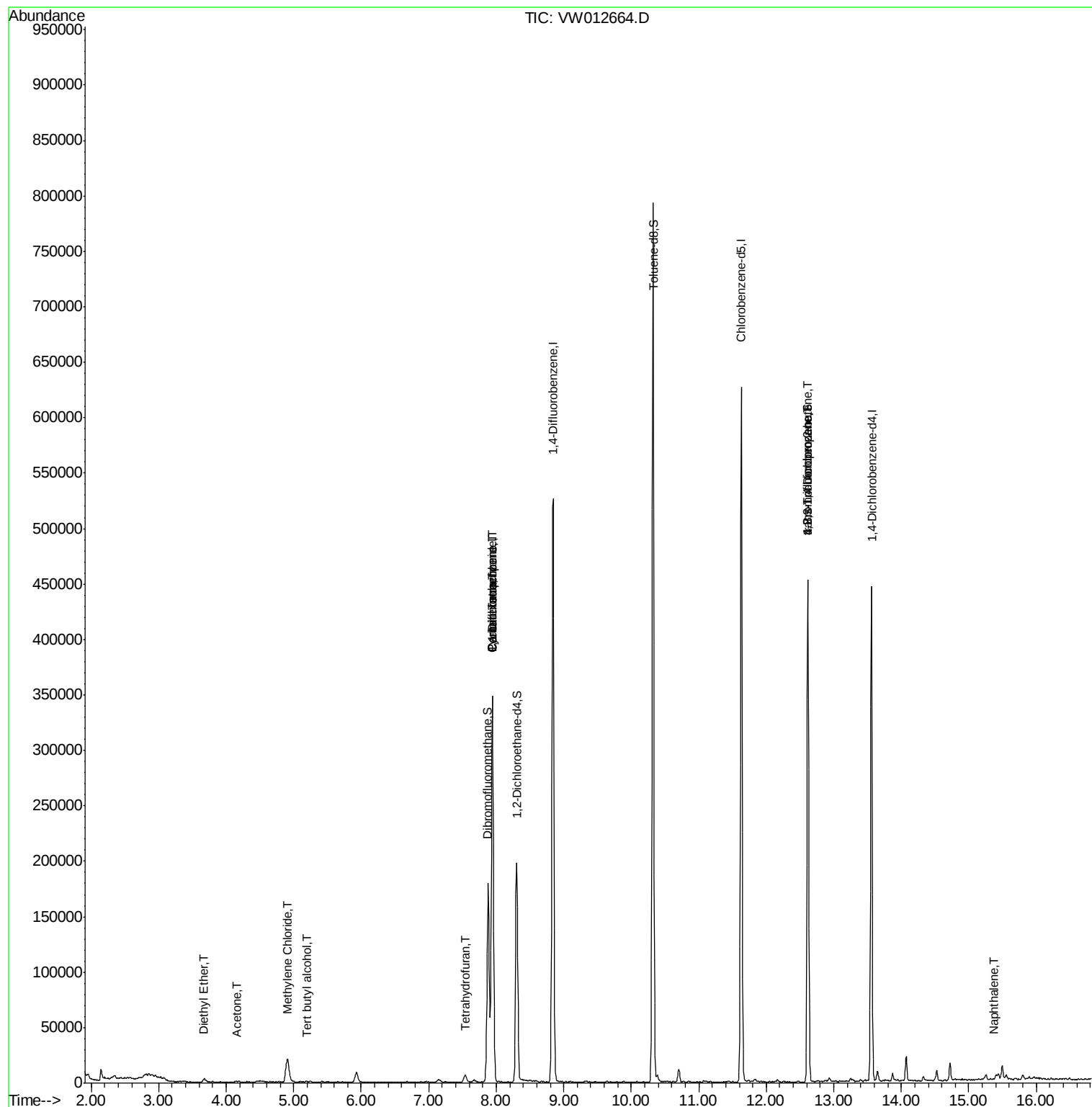
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1610	1.102	ug/l	75
11) Tert butyl alcohol	5.18	59	269	1.432	ug/l #	71
16) Acetone	4.16	43	1116	1.399	ug/l #	84
20) Methylene Chloride	4.90	84	15904	5.274	ug/l	92
29) Tetrahydrofuran	7.54	42	6122	9.414	ug/l	97
31) Cyclohexane	7.93	56	6764	1.203	ug/l #	25
36) 1,1-Dichloropropene	7.94	75	21470	4.954	ug/l #	52
38) Carbon Tetrachloride	7.94	117	25802	6.879	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	73861	65.055	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73861	142.635	ug/l #	6
95) Naphthalene	15.36	128	396	4.403	ug/l #	81

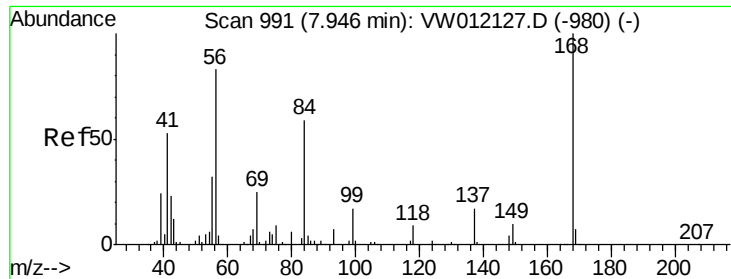
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012664.D

Acq: 06 Sep 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

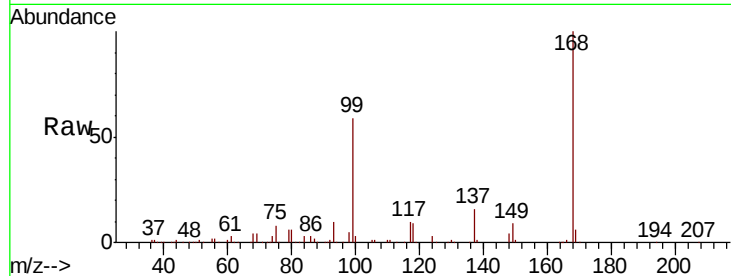
PAR-12-B1-(0)

Tgt Ion: 168 Resp: 262510

Ion Ratio Lower Upper

168 100

99 59.3 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

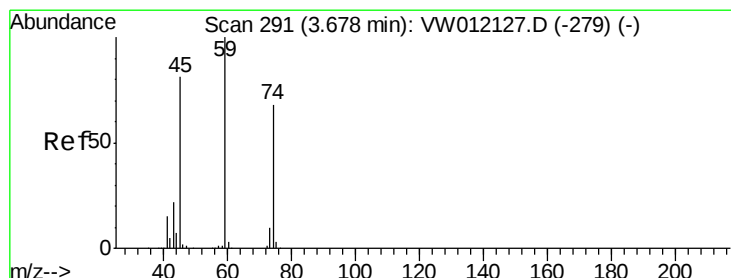
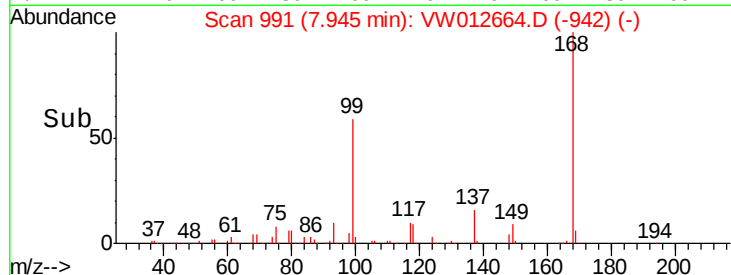
100000

50000

0

7.90 8.00

Time-->



#8

Diethyl Ether

Concen: 1.102 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012664.D

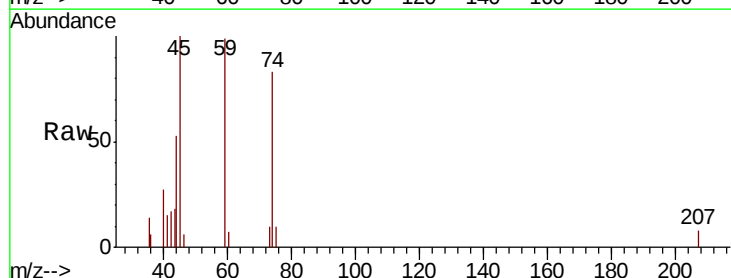
Acq: 06 Sep 2019 02:13

Tgt Ion: 74 Resp: 1610

Ion Ratio Lower Upper

74 100

45 145.7 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1000

800

600

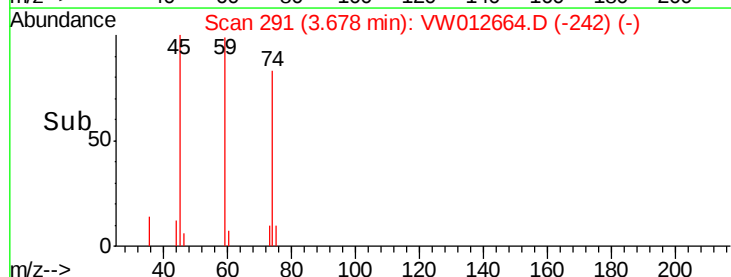
400

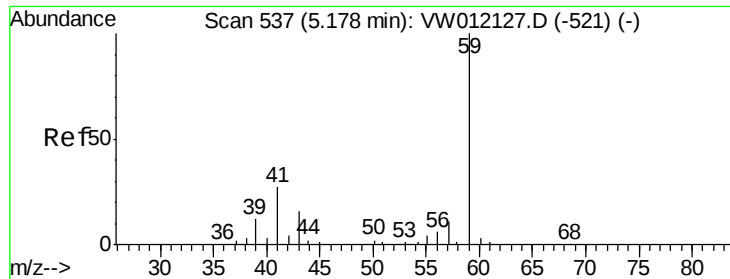
200

0

3.60 3.65 3.70

Time-->

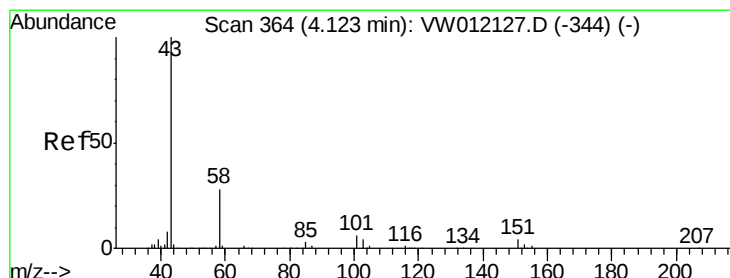
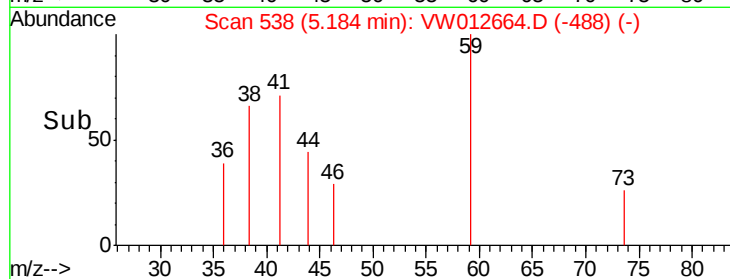
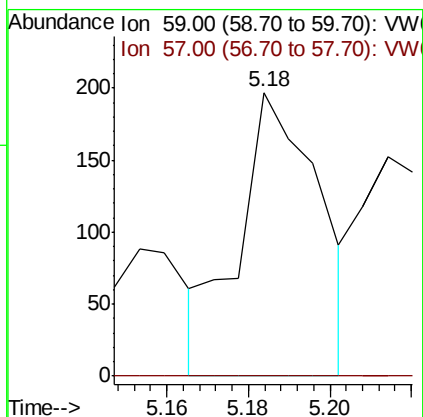
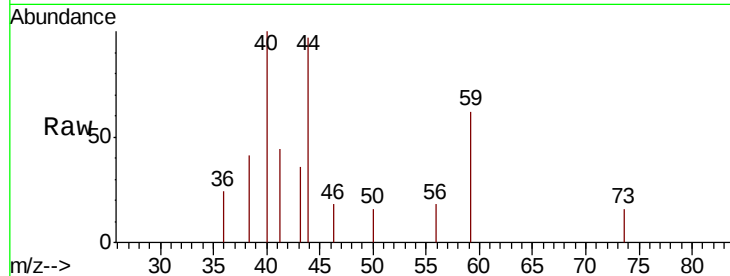




#11
Tert butyl alcohol
Concen: 1.432 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012664.D
Acq: 06 Sep 2019 02:13

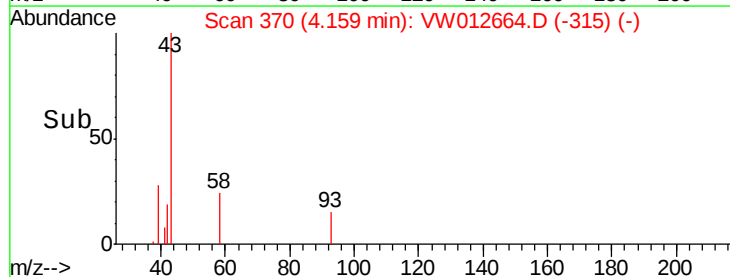
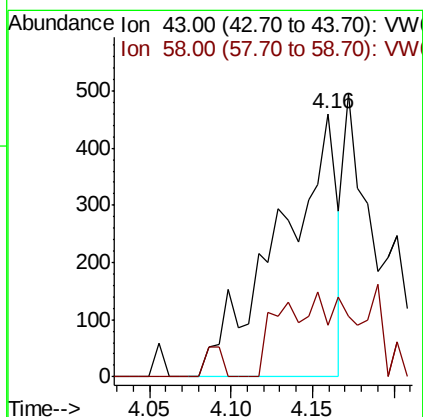
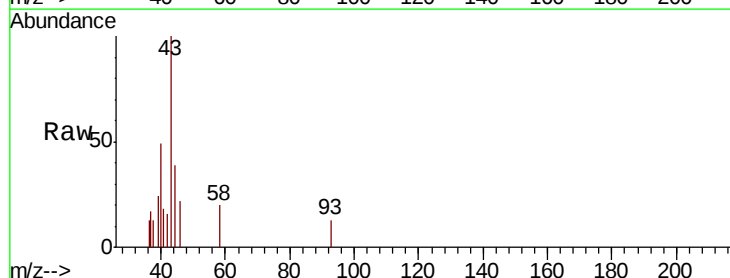
Instrument :
MSVOA_W
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PAR-12-B1-(0)

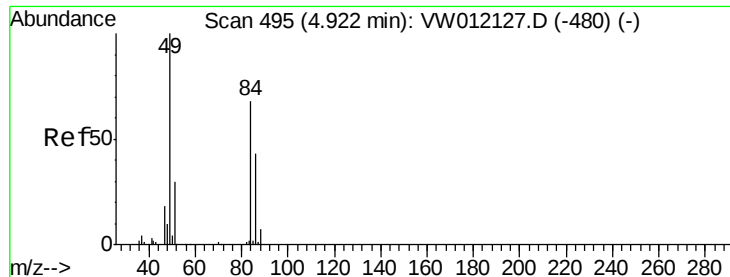
Tgt Ion: 59 Resp: 269
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 1.399 ug/l
RT: 4.16 min Scan# 370
Delta R.T. 0.04 min
Lab File: VW012664.D
Acq: 06 Sep 2019 02:13

Tgt Ion: 43 Resp: 1116
Ion Ratio Lower Upper
43 100
58 19.8 22.4 33.6#

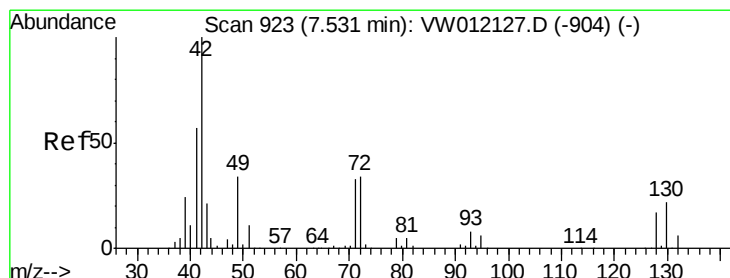
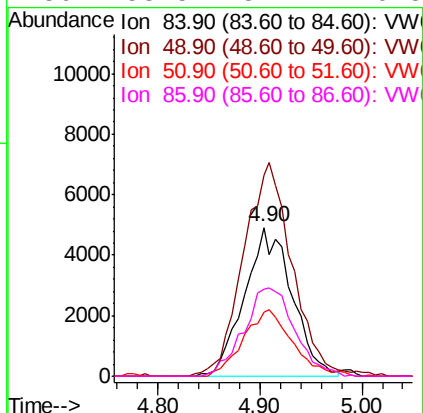
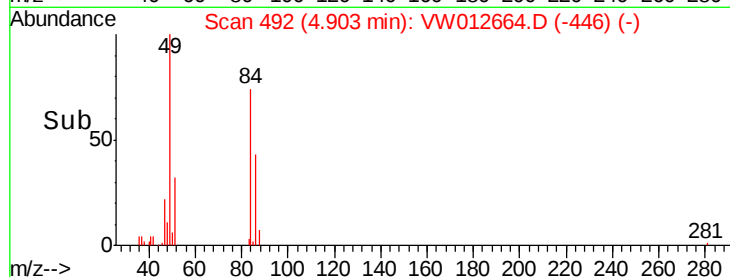
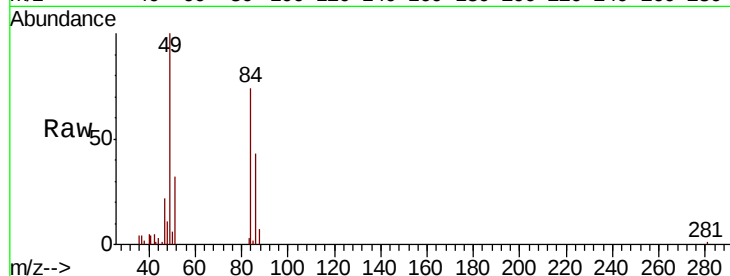




#20
Methylene Chloride
Concen: 5.274 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012664.D
Acq: 06 Sep 2019 02:13

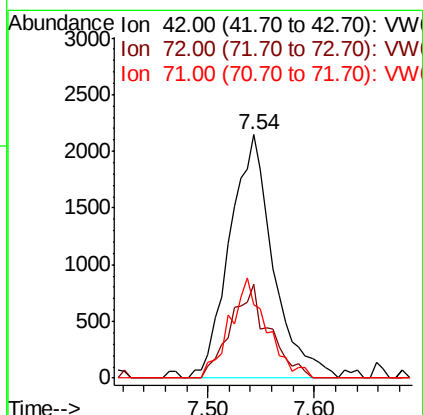
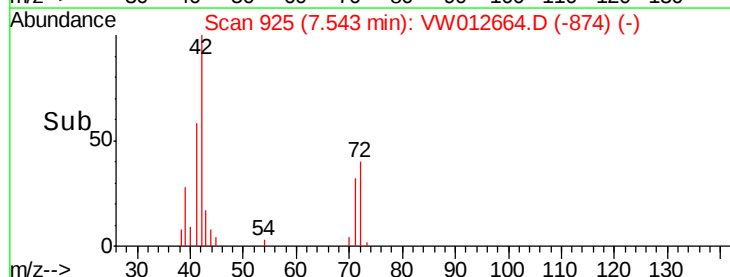
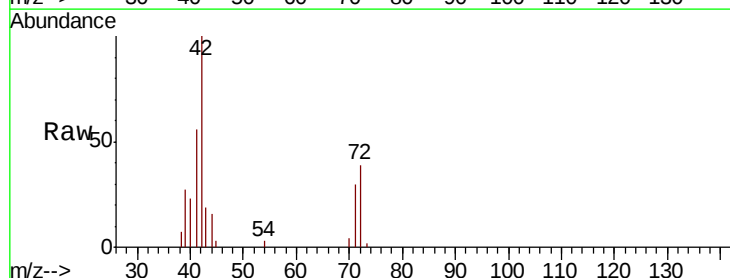
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B1-(0)

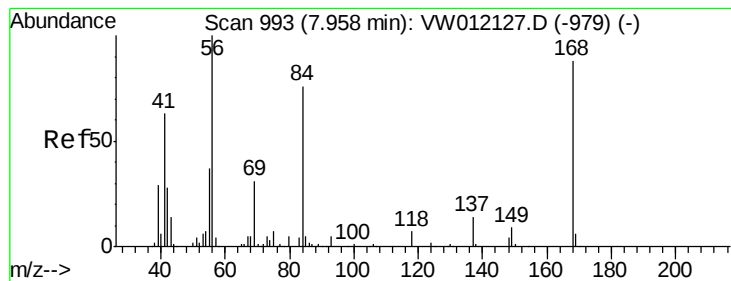
Tgt Ion:	84	Resp:	15904
Ion	Ratio	Lower	Upper
84	100		
49	135.2	117.8	176.8
51	43.1	35.6	53.4
86	58.5	51.2	76.8



#29
Tetrahydrofuran
Concen: 9.414 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012664.D
Acq: 06 Sep 2019 02:13

Tgt Ion:	42	Resp:	6122
Ion	Ratio	Lower	Upper
42	100		
72	34.4	27.3	40.9
71	35.0	25.5	38.3





#31

Cyclohexane

Concen: 1.203 ug/l

RT: 7.93 min Scan# 989

Delta R.T. -0.02 min

Lab File: VW012664.D

Acq: 06 Sep 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-B1-(0)

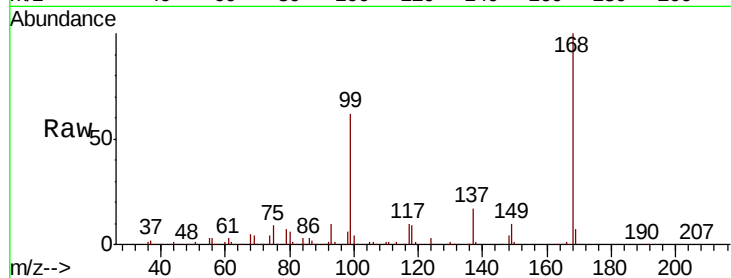
Tgt Ion: 56 Resp: 6764

Ion Ratio Lower Upper

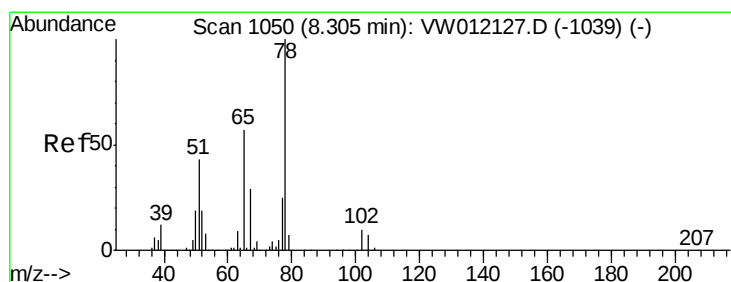
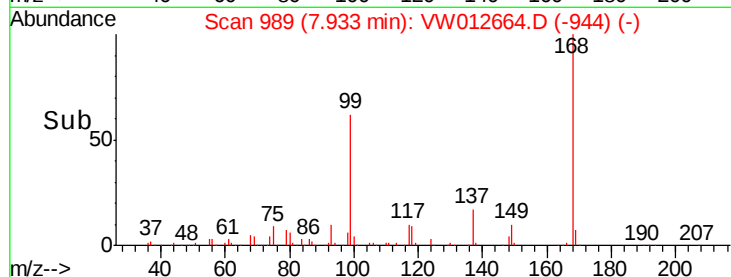
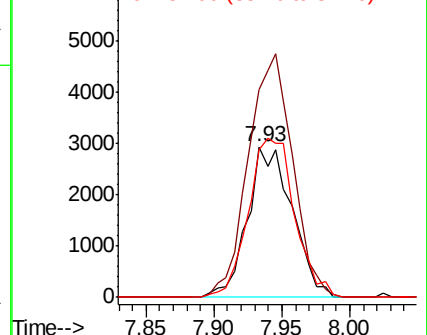
56 100

69 138.2 24.9 37.3#

84 97.8 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: 52.648 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012664.D

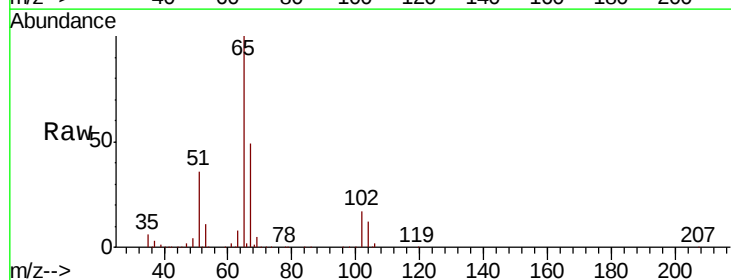
Acq: 06 Sep 2019 02:13

Tgt Ion: 65 Resp: 164294

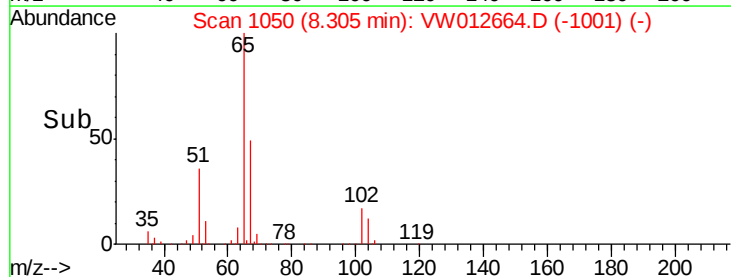
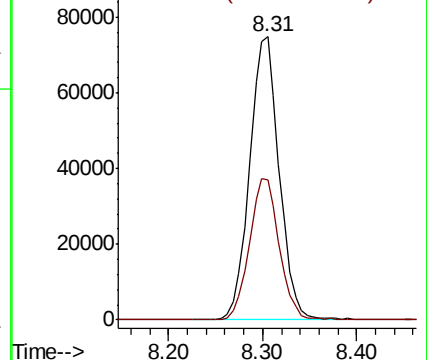
Ion Ratio Lower Upper

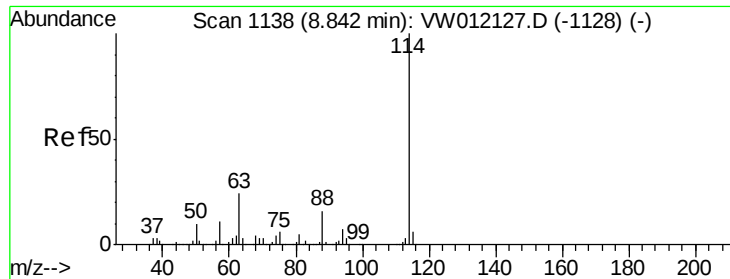
65 100

67 50.3 0.0 102.6



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

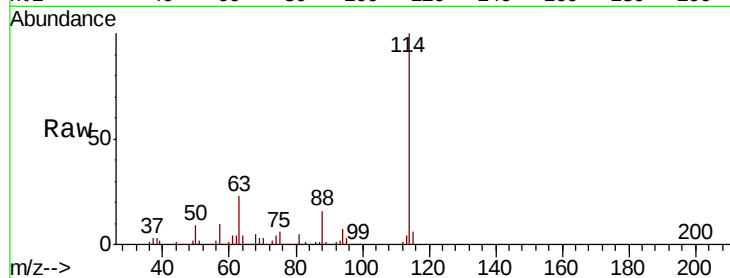




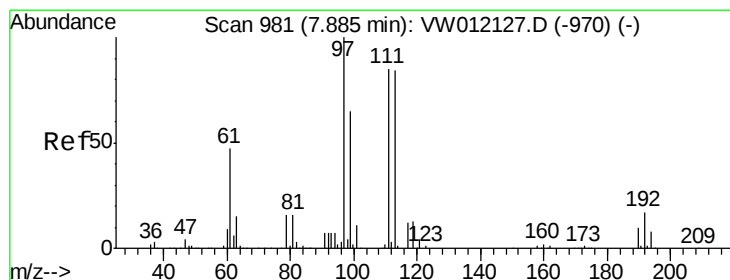
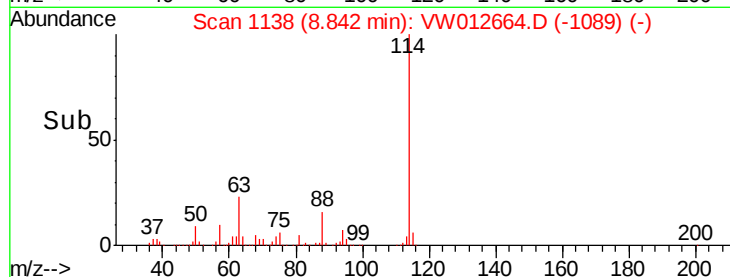
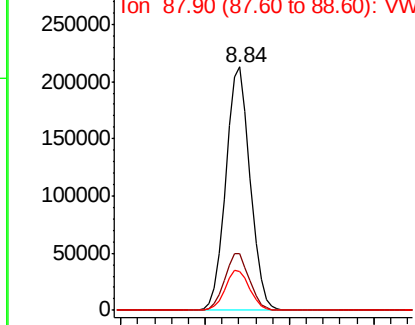
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012664.D
 Acq: 06 Sep 2019 02:13

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-B1-(0)

Tgt Ion:114 Resp: 419383
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 48.6
 88 15.9 0.0 32.2

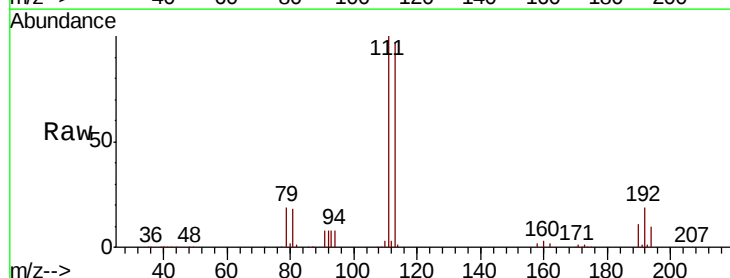


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

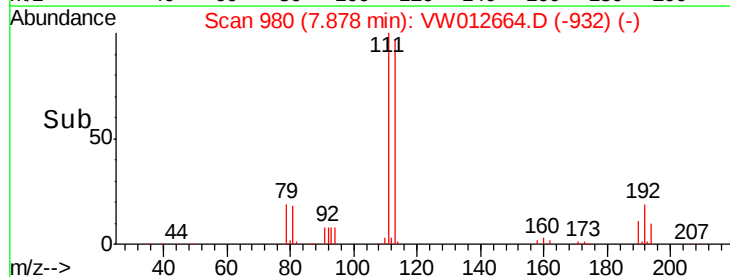
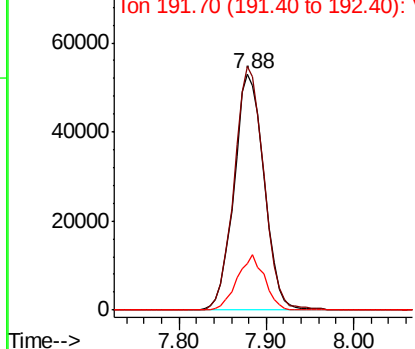


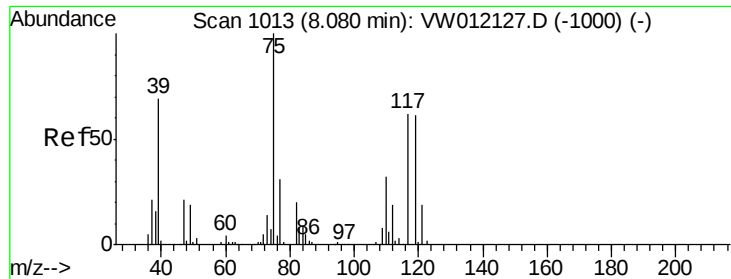
#35
 Dibromofluoromethane
 Concen: 50.470 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012664.D
 Acq: 06 Sep 2019 02:13

Tgt Ion:113 Resp: 126342
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.7 124.1
 192 21.4 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

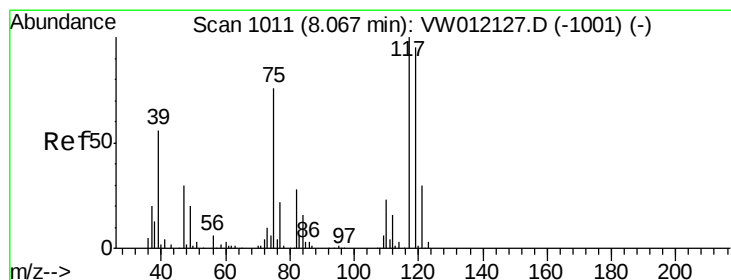
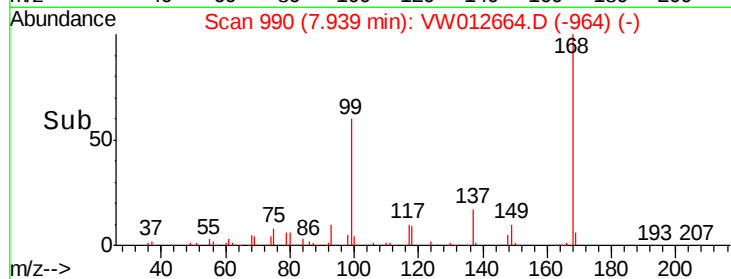
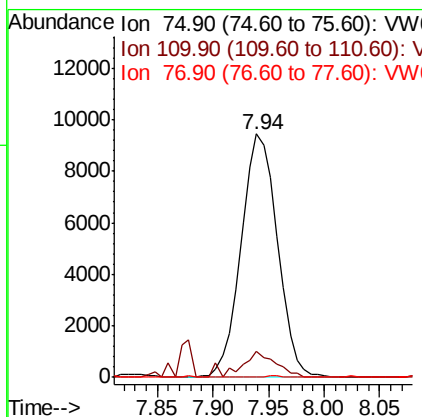
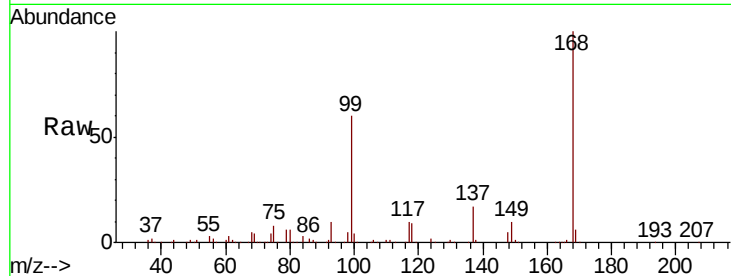




#36
 1,1-Dichloropropene
 Concen: 4.954 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012664.D
 Acq: 06 Sep 2019 02:13

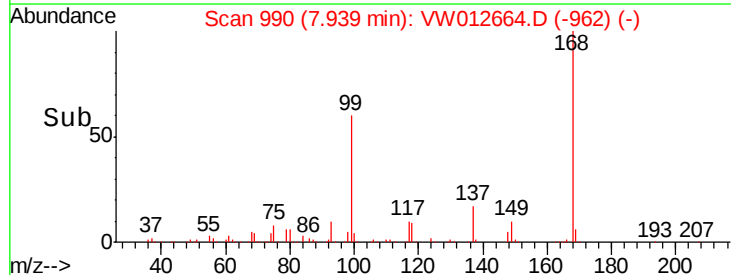
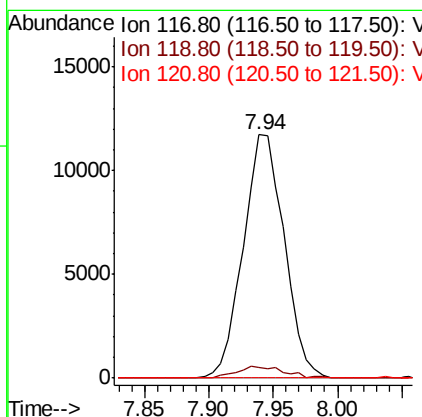
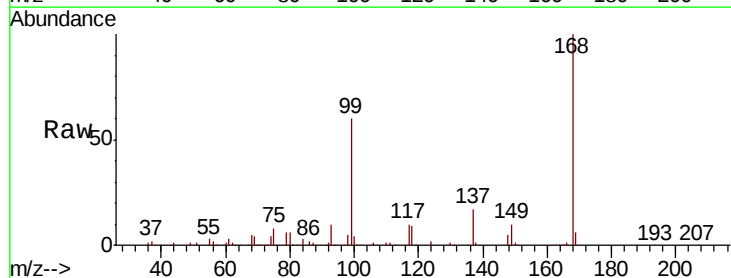
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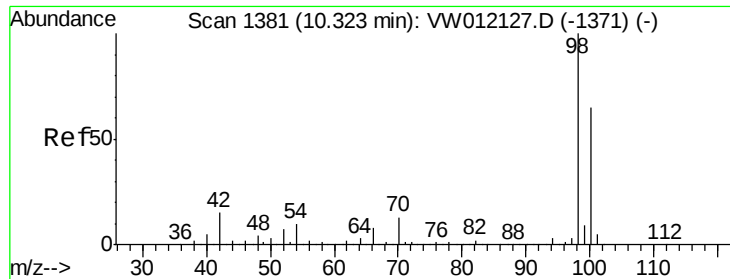
Tgt Ion: 75 Resp: 21470
 Ion Ratio Lower Upper
 75 100
 110 9.2 15.6 46.8#
 77 0.2 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.879 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012664.D
 Acq: 06 Sep 2019 02:13

Tgt Ion: 117 Resp: 25802
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.2 114.2#
 121 0.0 23.8 35.8#

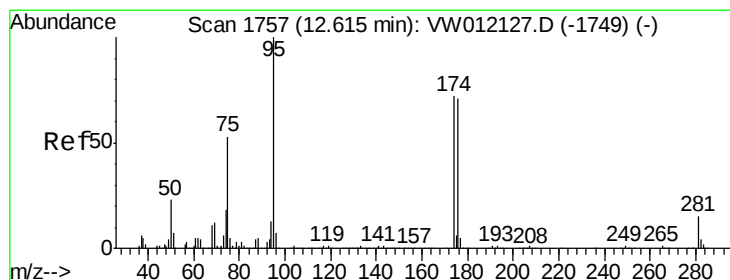
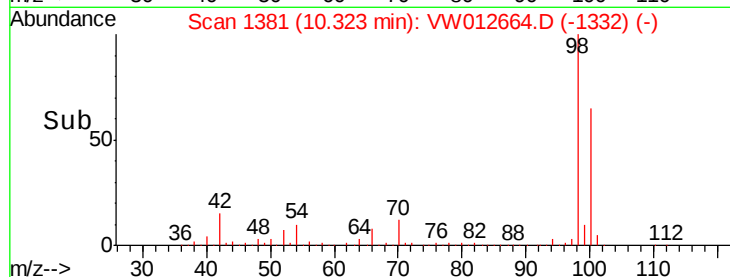
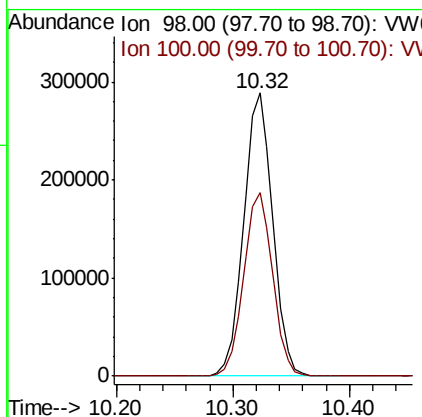
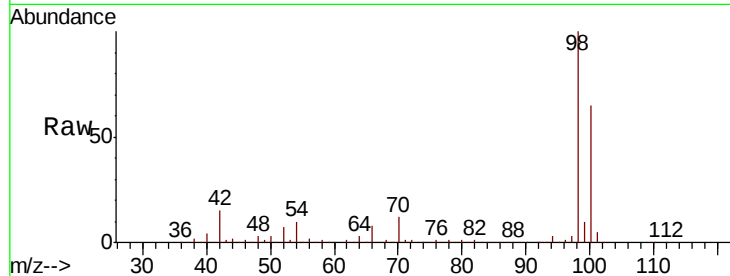




#50
Toluene-d8
Concen: 49.308 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012664.D
Acq: 06 Sep 2019 02:13

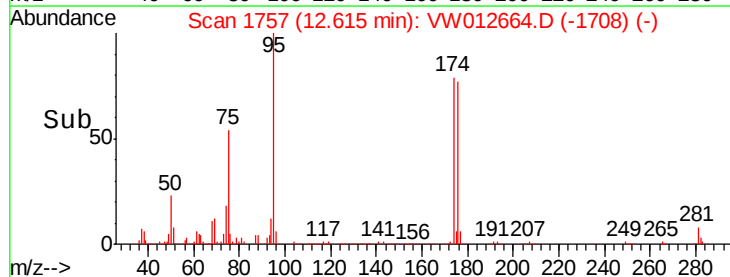
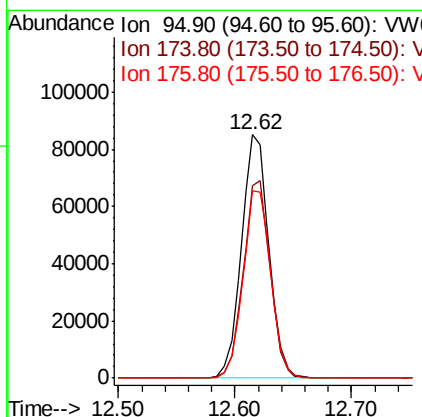
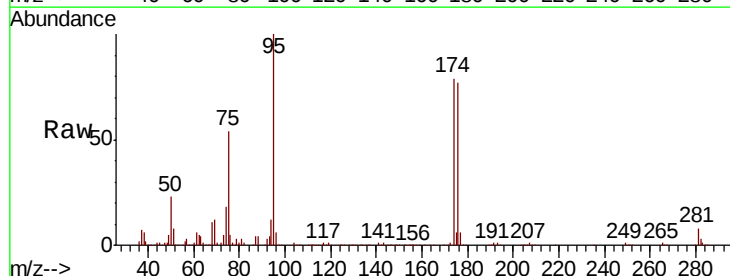
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B1-(0)

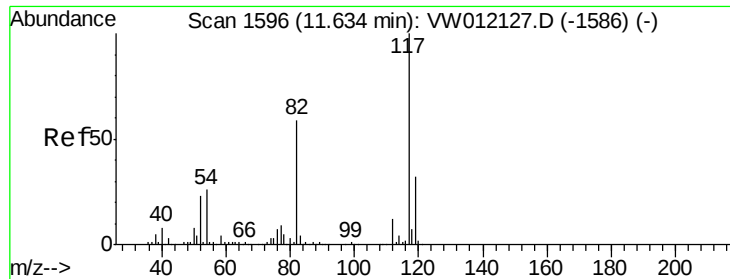
Tgt Ion: 98 Resp: 500488
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 38.769 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012664.D
Acq: 06 Sep 2019 02:13

Tgt Ion: 95 Resp: 138712
Ion Ratio Lower Upper
95 100
174 80.6 0.0 150.8
176 78.2 0.0 148.6

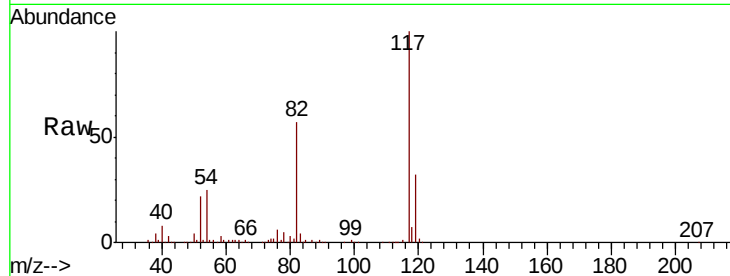




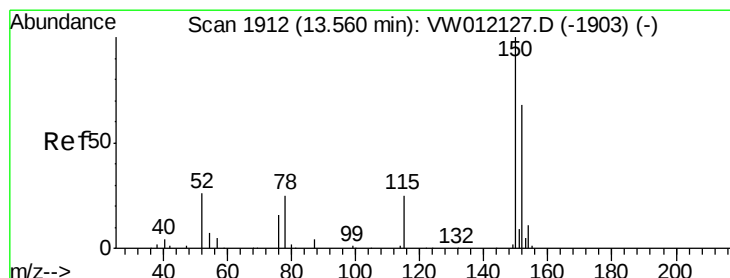
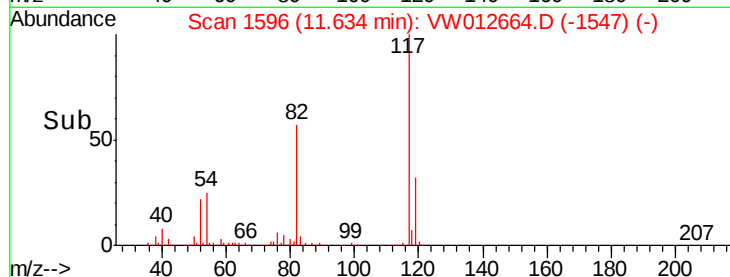
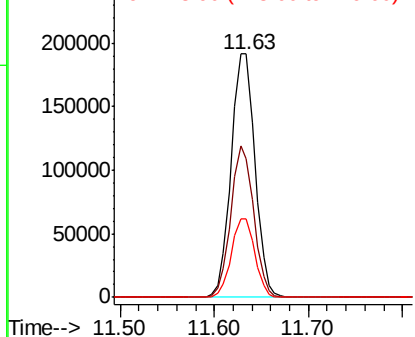
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012664.D
Acq: 06 Sep 2019 02:13

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B1-(0)

Tgt Ion:117 Resp: 337670
Ion Ratio Lower Upper
117 100
82 57.2 47.4 71.2
119 32.1 25.4 38.2

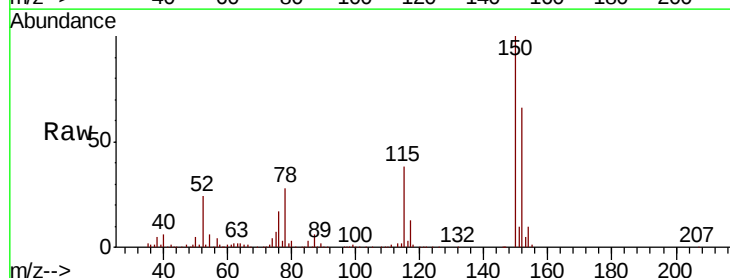


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

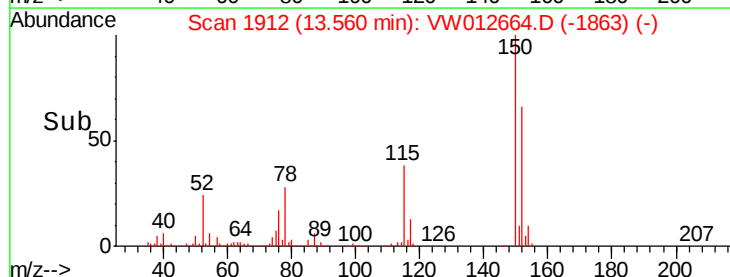
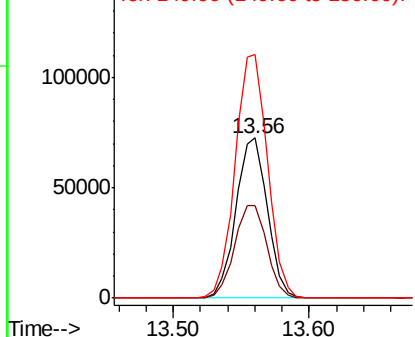


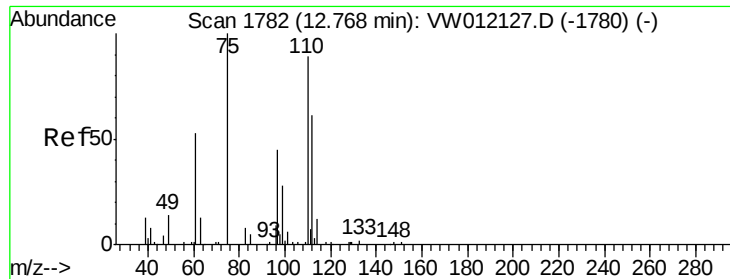
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012664.D
Acq: 06 Sep 2019 02:13

Tgt Ion:152 Resp: 116576
Ion Ratio Lower Upper
152 100
115 60.0 30.1 90.3
150 156.7 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

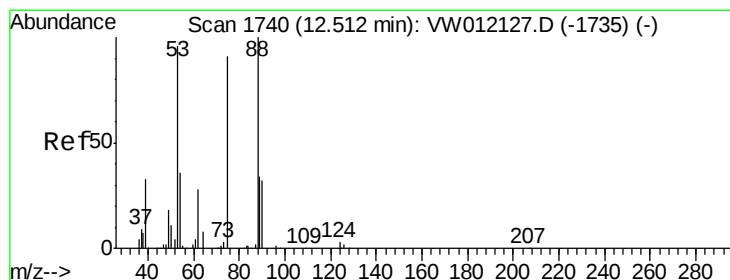
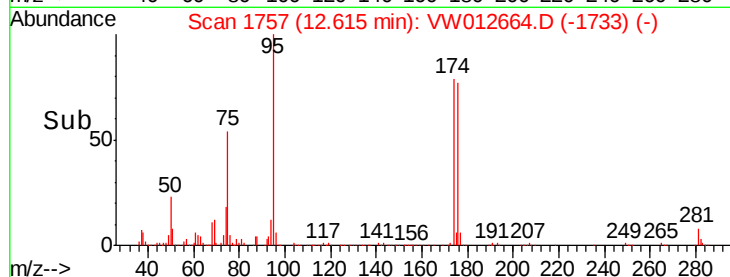
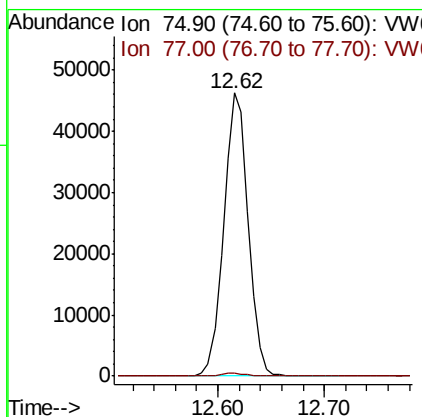
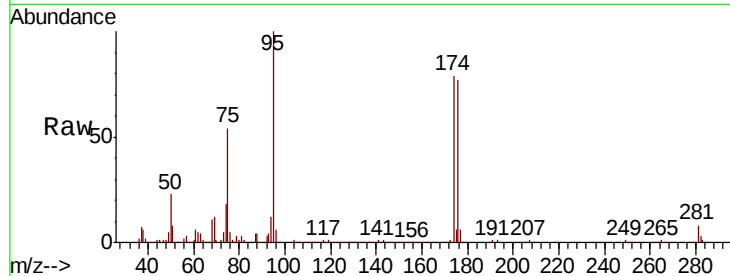




#76
 1,2,3-Trichloropropane
 Concen: 65.055 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012664.D
 Acq: 06 Sep 2019 02:13

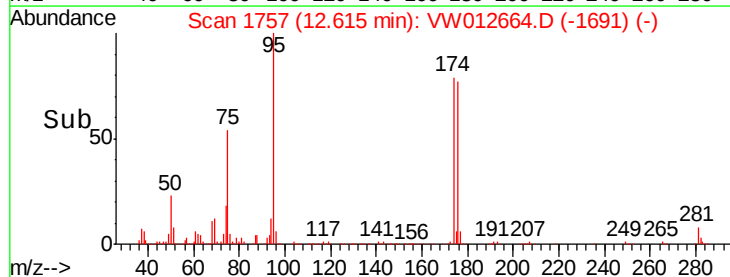
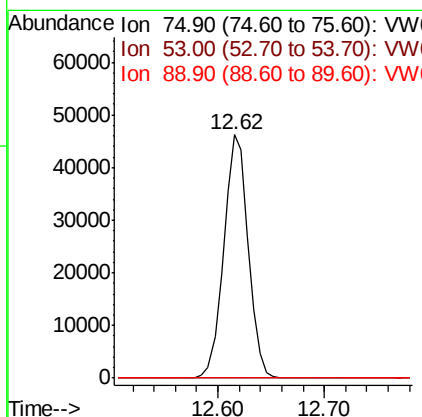
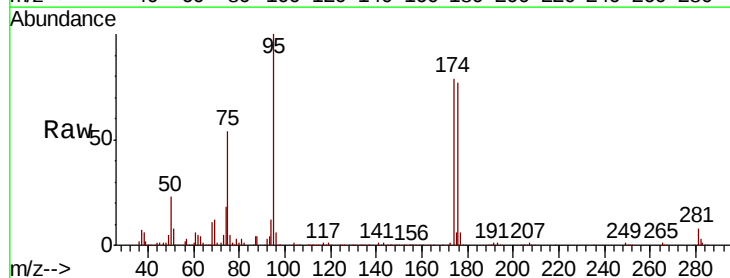
Instrument :
 MSVOA_W
 ClientSampled :
 PAR-12-B1-(0)

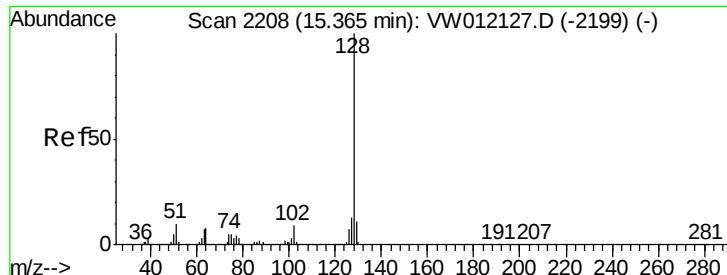
Tgt Ion: 75 Resp: 73861
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.635 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012664.D
 Acq: 06 Sep 2019 02:13

Tgt Ion: 75 Resp: 73861
 Ion Ratio Lower Upper
 75 100
 53 0.2 89.4 134.0#
 89 0.1 34.5 51.7#





#95

Naphthalene

Concen: 4.403 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012664.D

Acq: 06 Sep 2019 02:13

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-B1-(0)

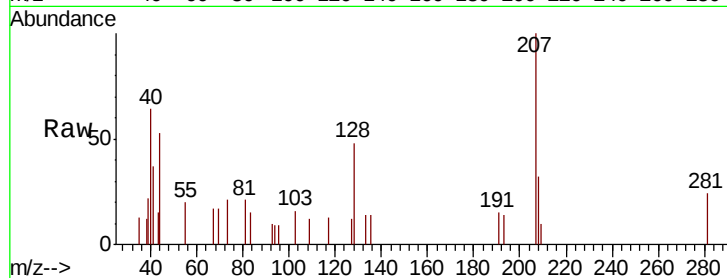
Tgt Ion:128 Resp: 396

Ion Ratio Lower Upper

128 100

127 18.2 10.7 16.1#

129 0.0 8.7 13.1#



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

