

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012666.D
 Acq On : 06 Sep 2019 03:04
 Operator : SY/VA
 Sample : K4579-11
 Misc : 4.24G/5ML/MSVOA_W/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-12-B3-(0)

Quant Time: Sep 06 07:58:40 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	239329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	417464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	120038	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	169564	59.60	ug/l	0.00
Spiked Amount			Recovery	=	119.20%	
35) Dibromofluoromethane	7.88	113	119229	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
50) Toluene-d8	10.32	98	531347	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.62	95	145075	40.73	ug/l	0.00
Spiked Amount			Recovery	=	81.46%	

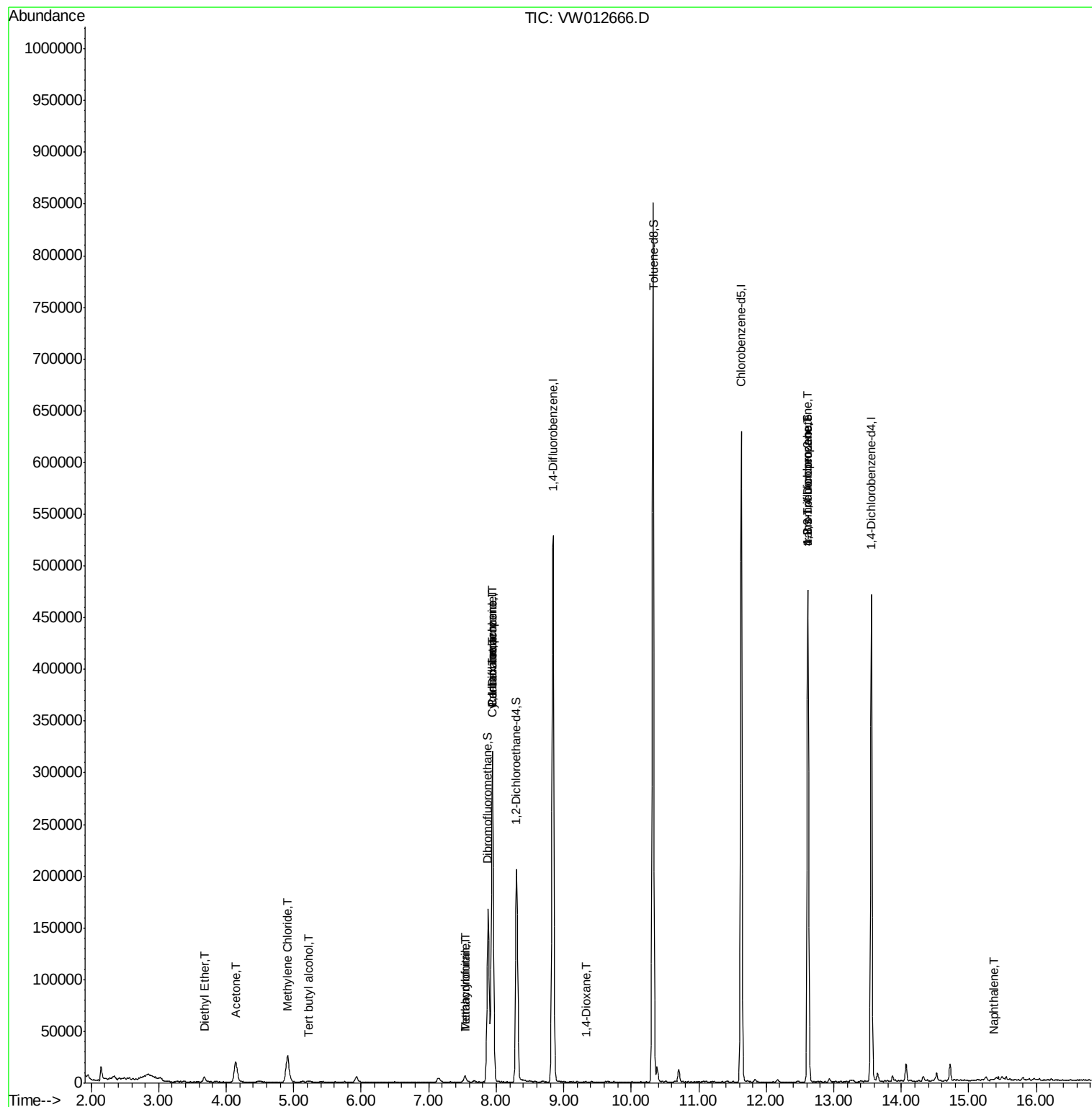
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	2685	2.016	ug/l	92
11) Tert butyl alcohol	5.21	59	858	5.011	ug/l #	77
16) Acetone	4.14	43	44654	61.401	ug/l	100
20) Methylene Chloride	4.91	84	18217	6.626	ug/l	93
29) Tetrahydrofuran	7.53	42	5491	9.261	ug/l #	87
31) Cyclohexane	7.93	56	6044	1.179	ug/l #	31
36) 1,1-Dichloropropene	7.95	75	19805	4.591	ug/l #	53
38) Carbon Tetrachloride	7.94	117	23880	6.396	ug/l #	17
41) Methacrylonitrile	7.54	41	3356	2.415	ug/l #	54
49) 1,4-Dioxane	9.32	88	29	1.343	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	81234	69.485	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	81234	152.349	ug/l #	6
95) Naphthalene	15.36	128	998	4.522	ug/l #	75

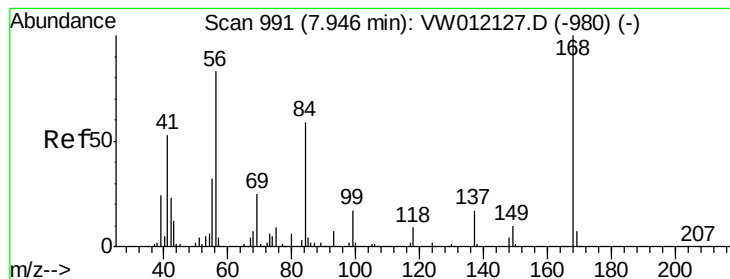
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
Data File : VW012666.D
Acq On : 06 Sep 2019 03:04
Operator : SY/VA
Sample : K4579-11
Misc : 4.24G/5ML/MSVOA_W/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B3-(0)

Quant Time: Sep 06 07:58:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 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: VW012666.D

Acq: 06 Sep 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

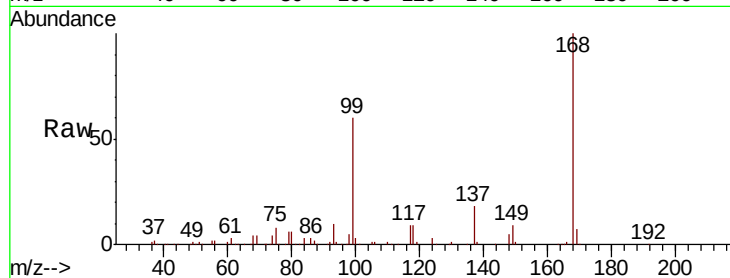
PAR-12-B3-(0)

Tgt Ion:168 Resp: 239329

Ion Ratio Lower Upper

168 100

99 59.7 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

120000

100000

80000

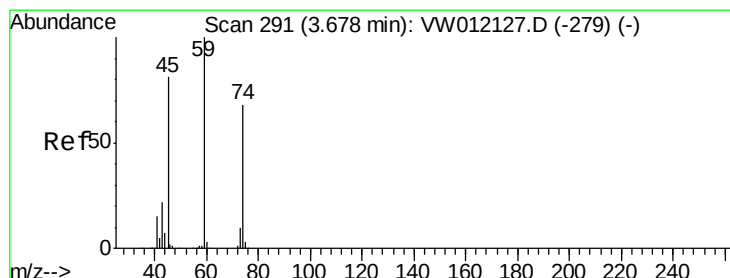
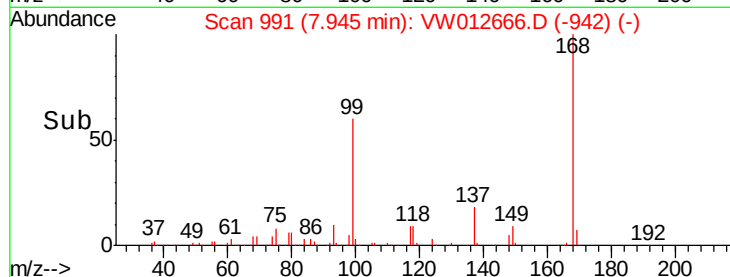
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 2.016 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW012666.D

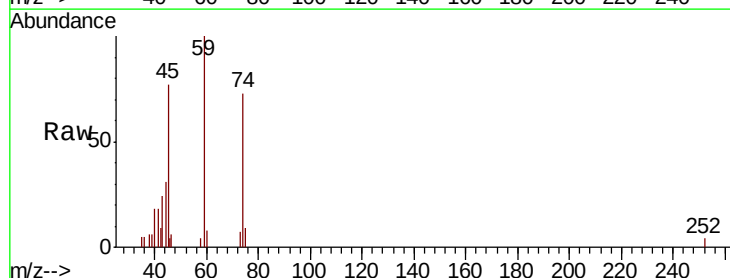
Acq: 06 Sep 2019 03:04

Tgt Ion: 74 Resp: 2685

Ion Ratio Lower Upper

74 100

45 127.1 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

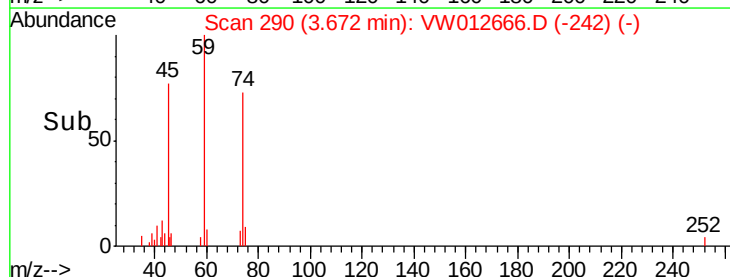
1500

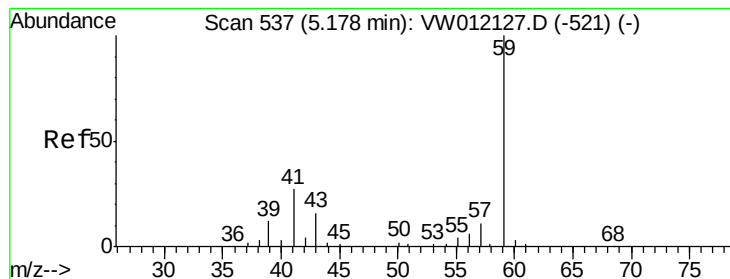
1000

500

0

Time--> 3.60 3.65 3.70 3.75



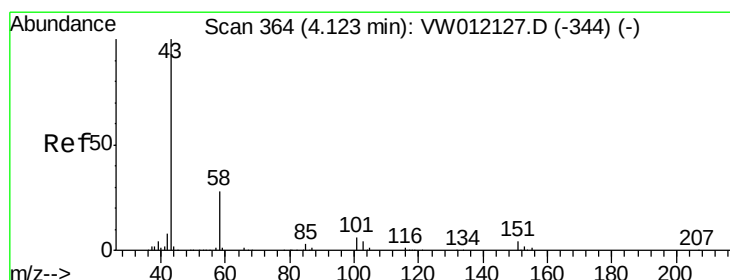
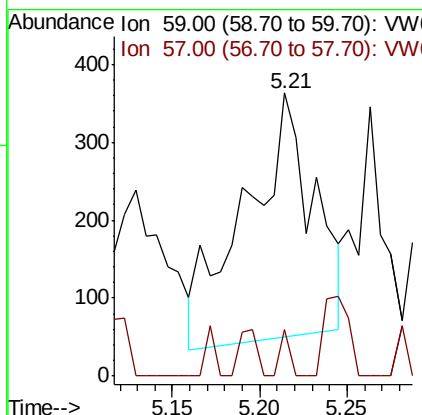
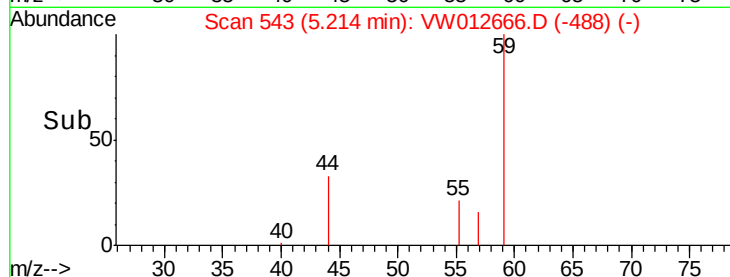
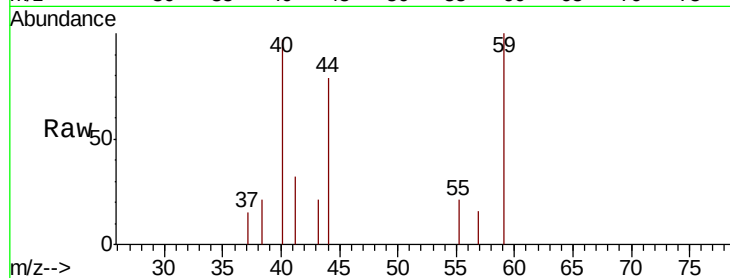


#11

Tert butyl alcohol
Concen: 5.011 ug/l
RT: 5.21 min Scan# 543
Delta R.T. 0.04 min
Lab File: VW012666.D
Acq: 06 Sep 2019 03:04

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B3-(0)

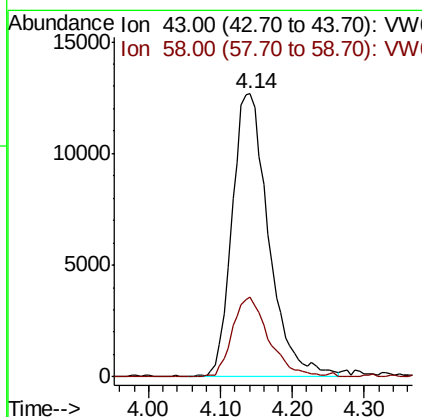
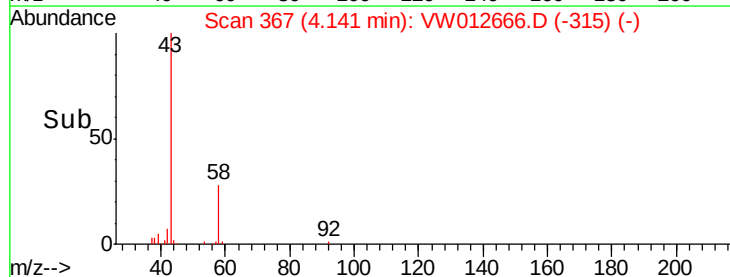
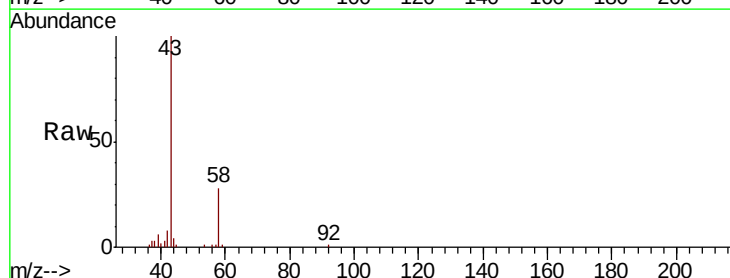
Tgt Ion: 59 Resp: 858
Ion Ratio Lower Upper
59 100
57 2.6 9.0 13.4#

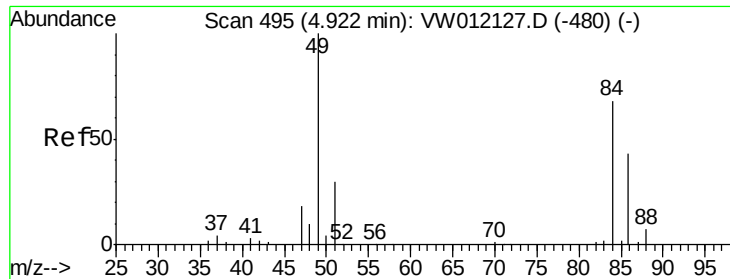


#16

Acetone
Concen: 61.401 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012666.D
Acq: 06 Sep 2019 03:04

Tgt Ion: 43 Resp: 44654
Ion Ratio Lower Upper
43 100
58 28.1 22.4 33.6

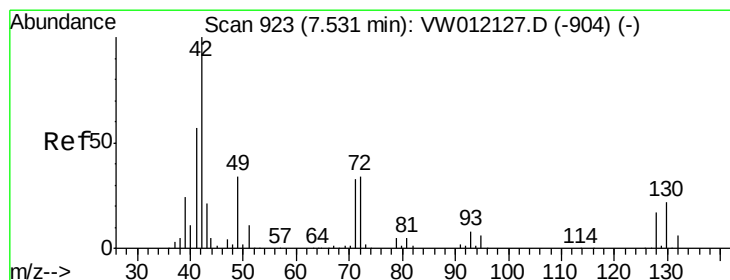
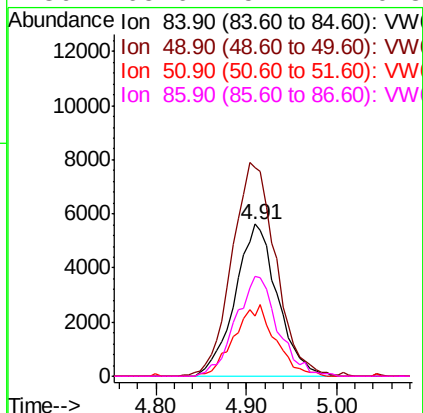
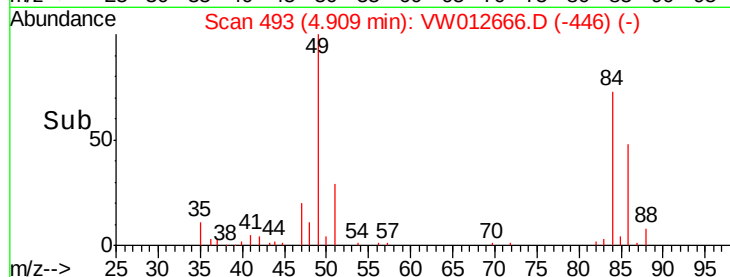
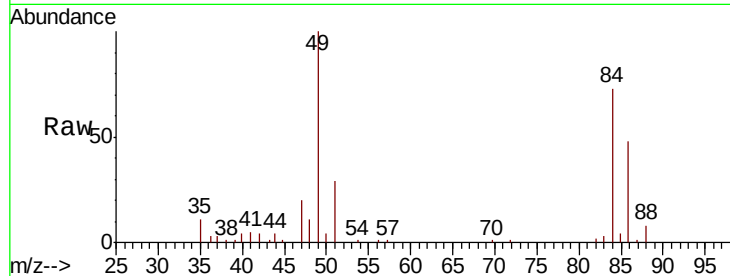




#20
Methylene Chloride
Concen: 6.626 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012666.D
Acq: 06 Sep 2019 03:04

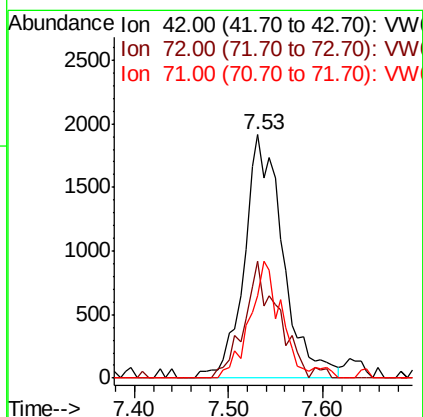
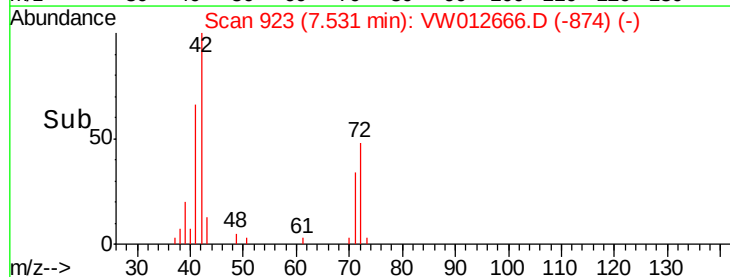
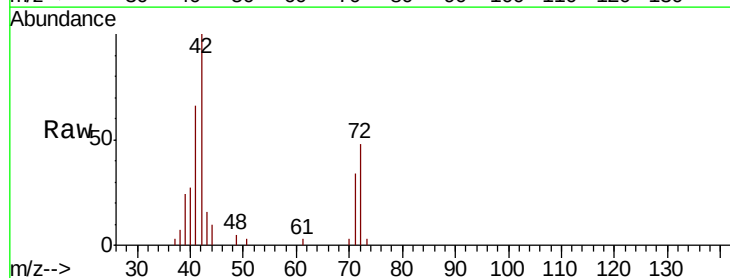
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B3-(0)

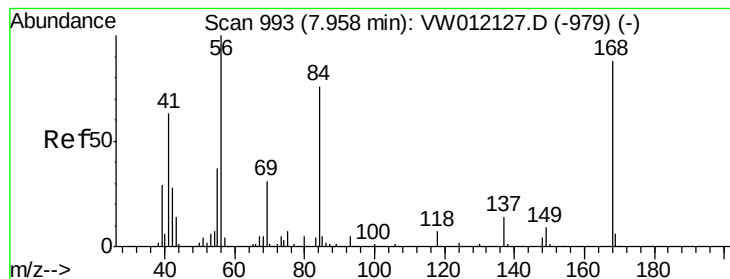
Tgt Ion:	84	Resp:	18217
Ion	Ratio	Lower	Upper
84	100		
49	136.5	117.8	176.8
51	39.5	35.6	53.4
86	65.6	51.2	76.8



#29
Tetrahydrofuran
Concen: 9.261 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012666.D
Acq: 06 Sep 2019 03:04

Tgt Ion:	42	Resp:	5491
Ion	Ratio	Lower	Upper
42	100		
72	41.6	27.3	40.9#
71	38.8	25.5	38.3#





#31

Cyclohexane

Concen: 1.179 ug/l

RT: 7.93 min Scan# 989

Delta R.T. -0.02 min

Lab File: VW012666.D

Acq: 06 Sep 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-B3-(0)

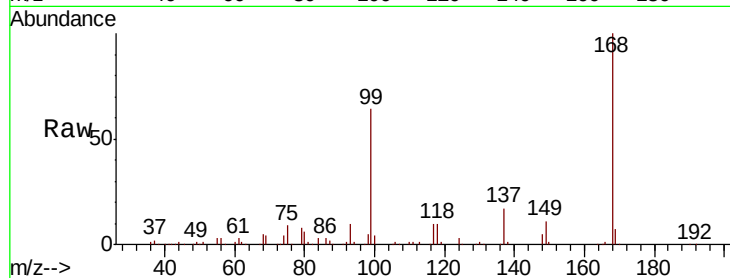
Tgt Ion: 56 Resp: 6044

Ion Ratio Lower Upper

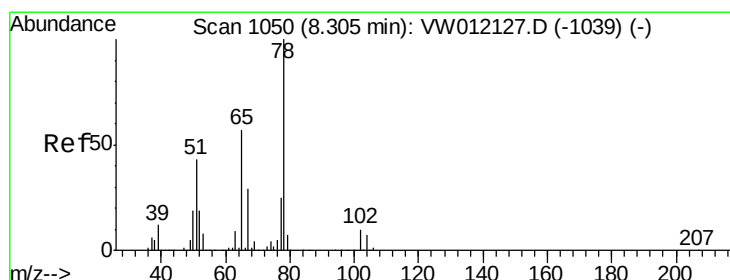
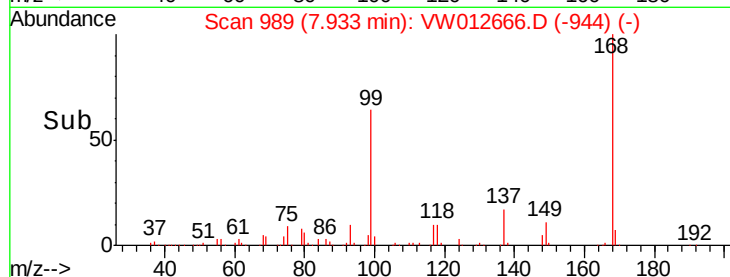
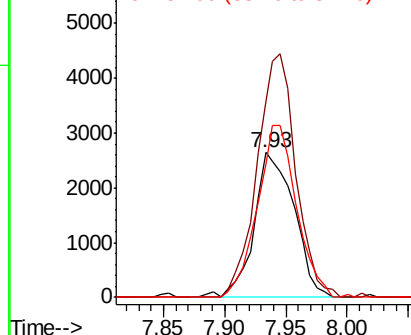
56 100

69 135.5 24.9 37.3#

84 91.8 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: 59.600 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012666.D

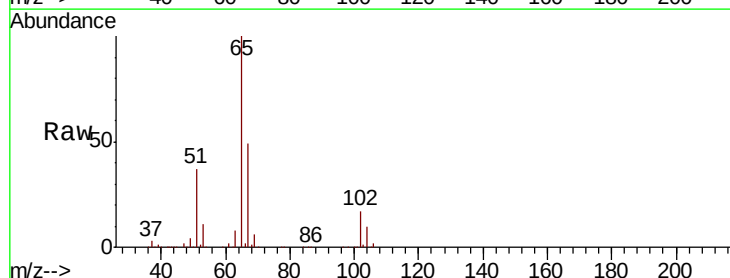
Acq: 06 Sep 2019 03:04

Tgt Ion: 65 Resp: 169564

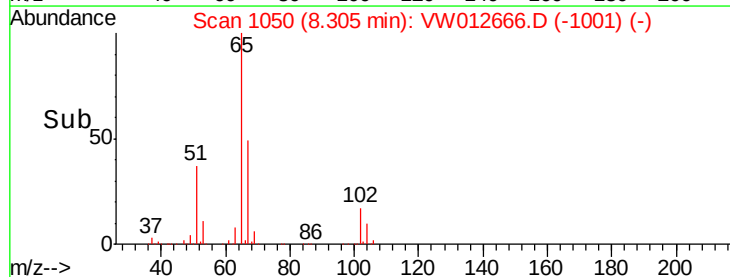
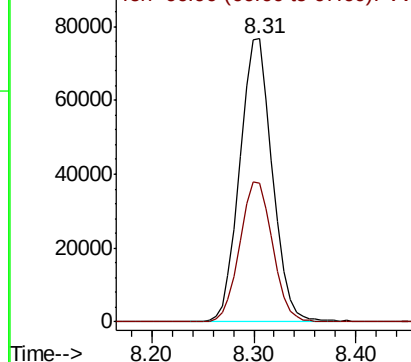
Ion Ratio Lower Upper

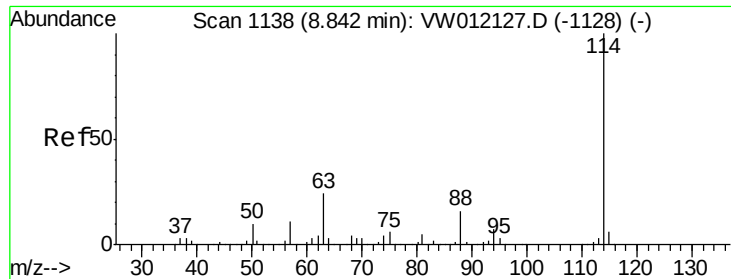
65 100

67 49.9 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: VW012666.D

Acq: 06 Sep 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-B3-(0)

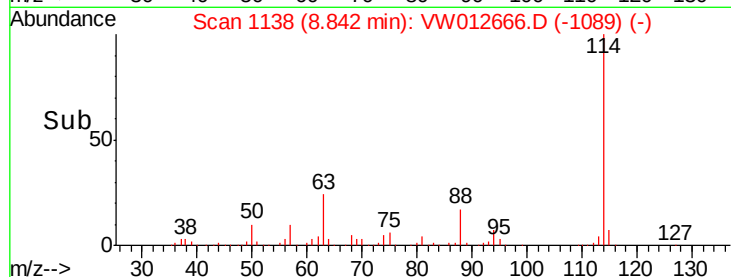
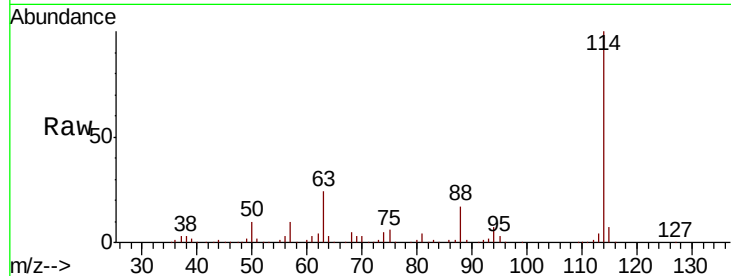
Tgt Ion:114 Resp: 417464

Ion Ratio Lower Upper

114 100

63 23.9 0.0 48.6

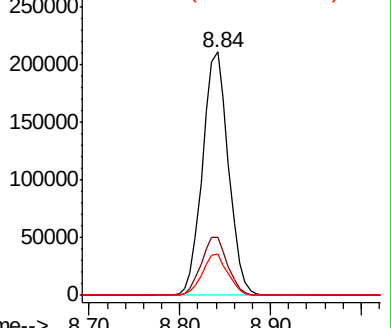
88 17.2 0.0 32.2



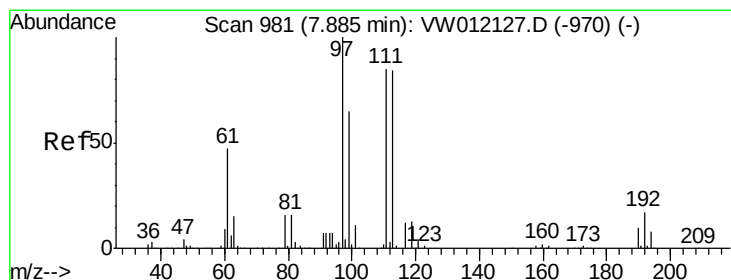
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



Time--> 8.70 8.80 8.90



#35

Dibromofluoromethane

Concen: 47.847 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012666.D

Acq: 06 Sep 2019 03:04

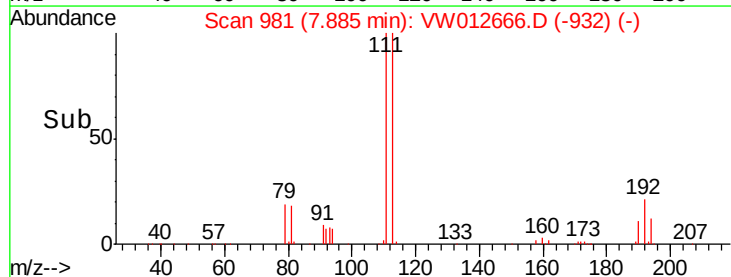
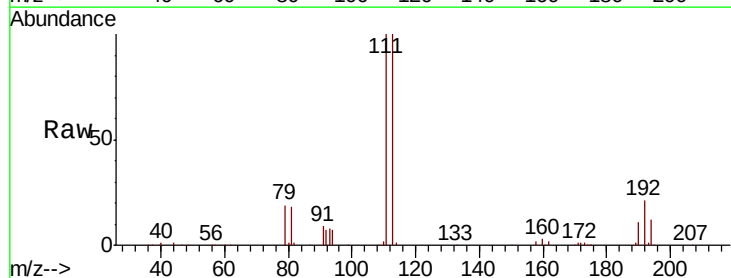
Tgt Ion:113 Resp: 119229

Ion Ratio Lower Upper

113 100

111 102.7 82.7 124.1

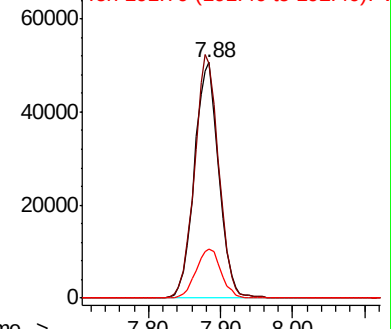
192 21.4 16.2 24.2



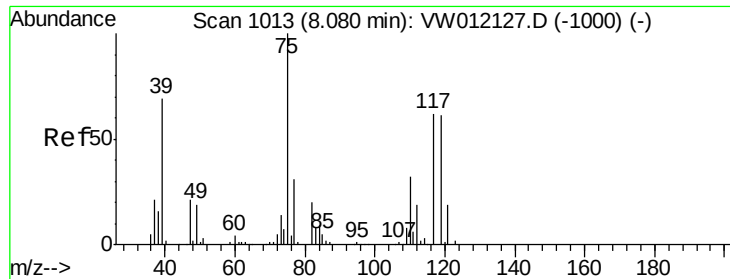
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time--> 7.80 7.90 8.00



#36

1,1-Dichloropropene

Concen: 4.591 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012666.D

Acq: 06 Sep 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

PAR-12-B3-(0)

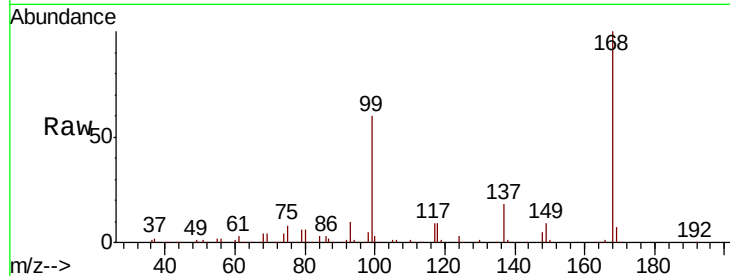
Tgt Ion: 75 Resp: 19805

Ion Ratio Lower Upper

75 100

110 10.2 15.6 46.8#

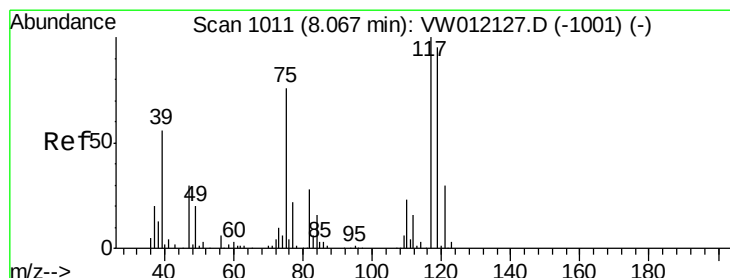
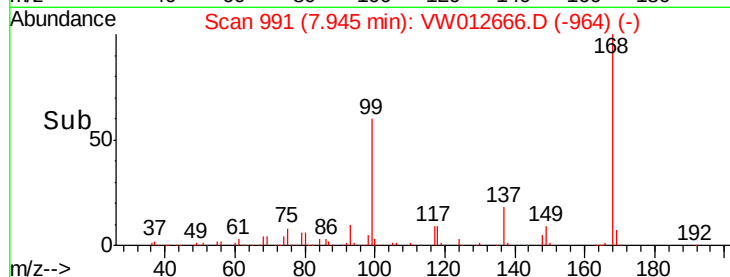
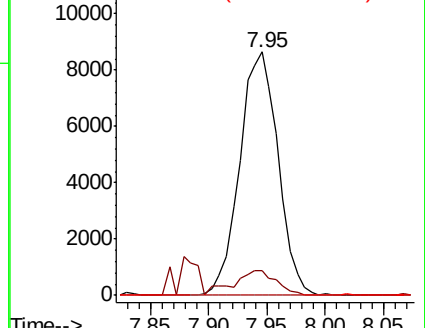
77 0.0 24.6 36.8#



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: 6.396 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012666.D

Acq: 06 Sep 2019 03:04

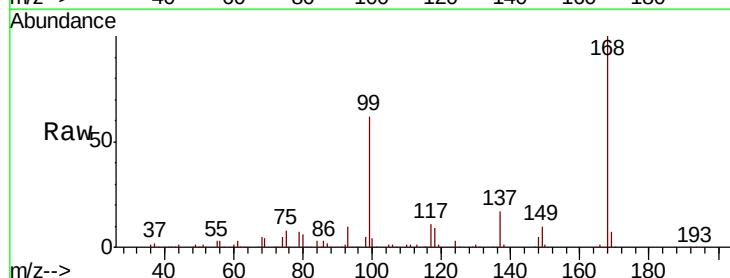
Tgt Ion: 117 Resp: 23880

Ion Ratio Lower Upper

117 100

119 6.2 76.2 114.2#

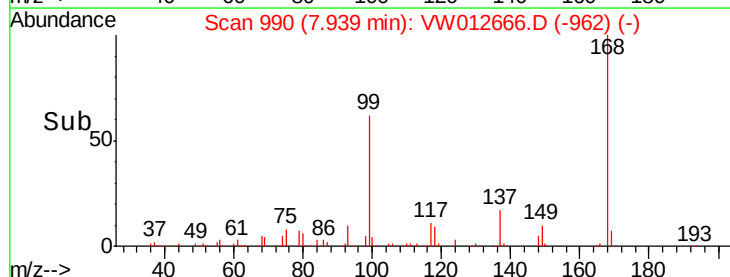
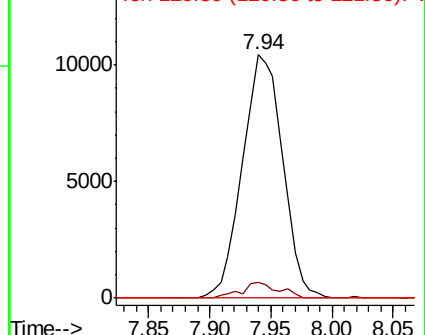
121 0.0 23.8 35.8#

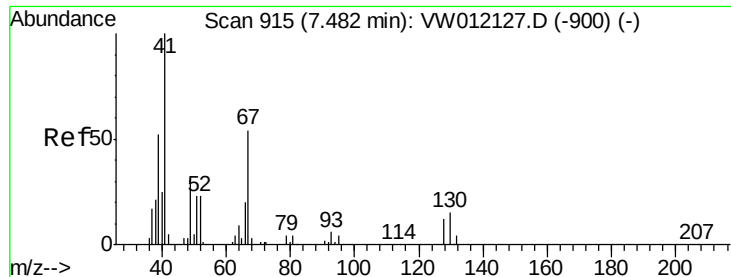


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

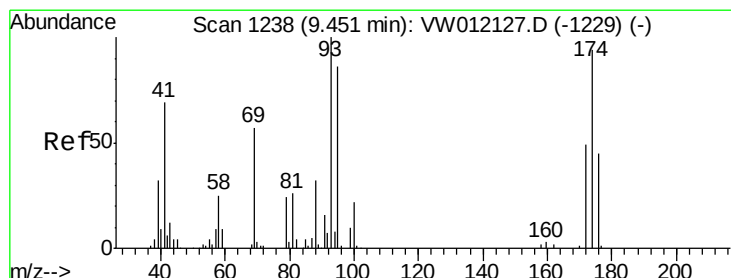
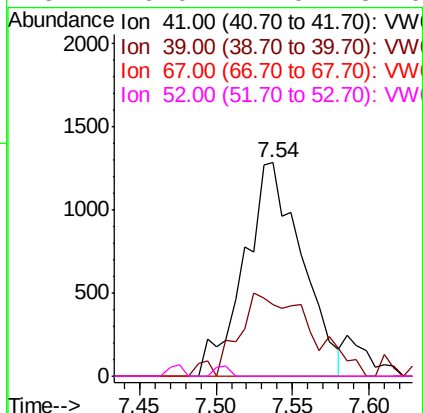
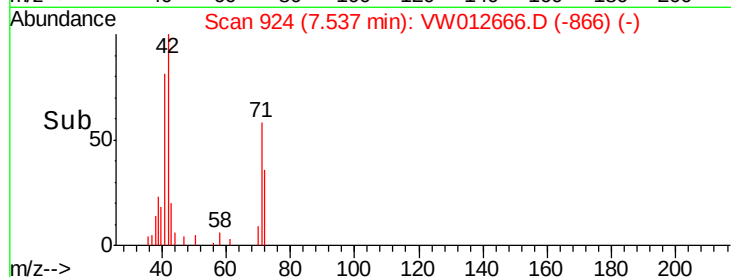
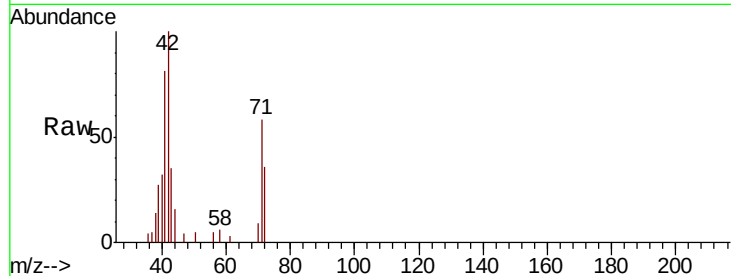




#41
Methacrylonitrile
Concen: 2.415 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012666.D
Acq: 06 Sep 2019 03:04

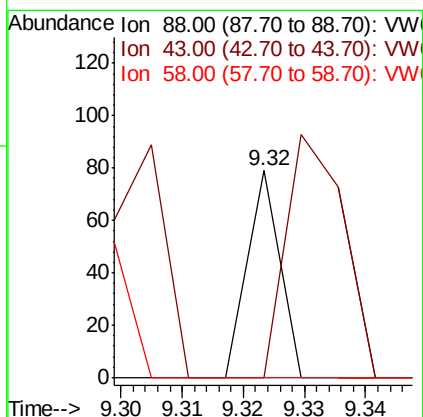
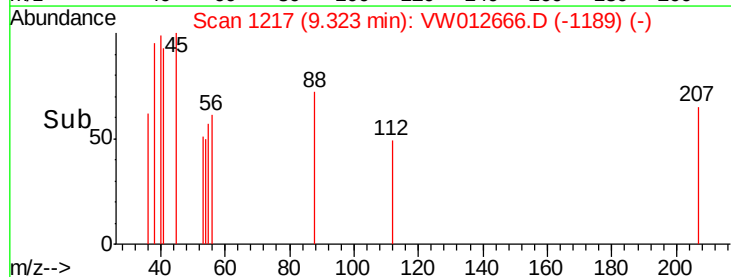
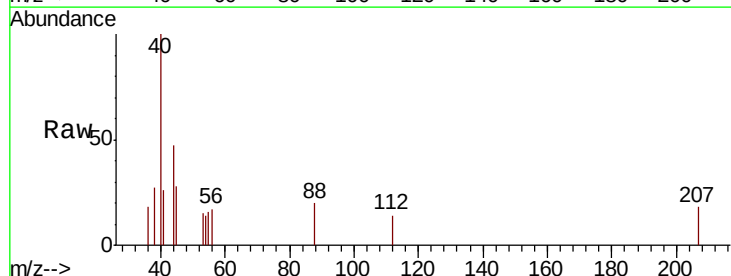
Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B3-(0)

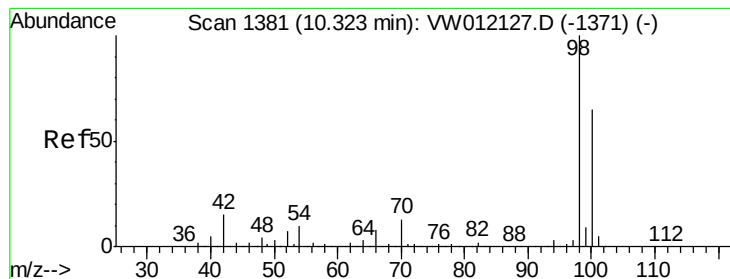
Tgt Ion:	41	Resp:	3356
Ion	Ratio	Lower	Upper
41	100		
39	49.7	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#



#49
1,4-Dioxane
Concen: 1.343 ug/l
RT: 9.32 min Scan# 1217
Delta R.T. -0.13 min
Lab File: VW012666.D
Acq: 06 Sep 2019 03:04

Tgt Ion:	88	Resp:	29
Ion	Ratio	Lower	Upper
88	100		
43	210.3	32.9	49.3#
58	0.0	71.0	106.4#





#50

Toluene-d8

Concen: 52.589 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012666.D

Acq: 06 Sep 2019 03:04

Instrument :

MSVOA_W

ClientSampleId :

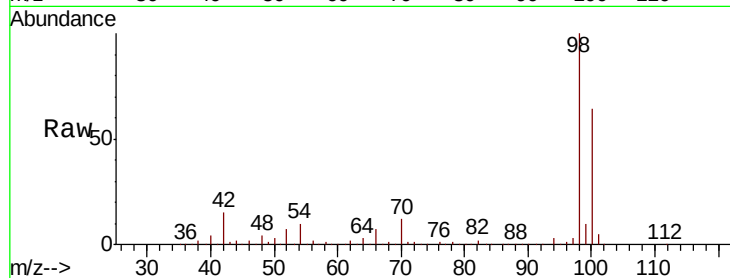
PAR-12-B3-(0)

Tgt Ion: 98 Resp: 531347

Ion Ratio Lower Upper

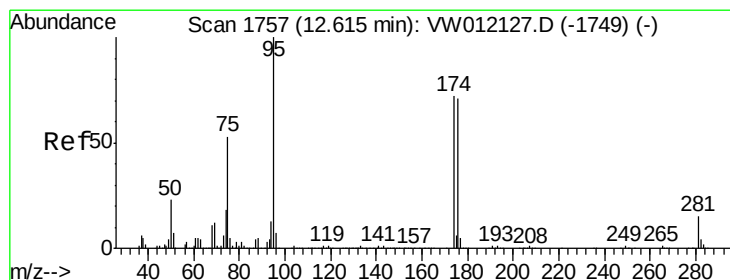
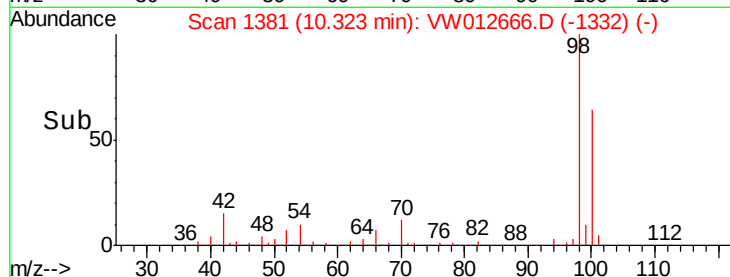
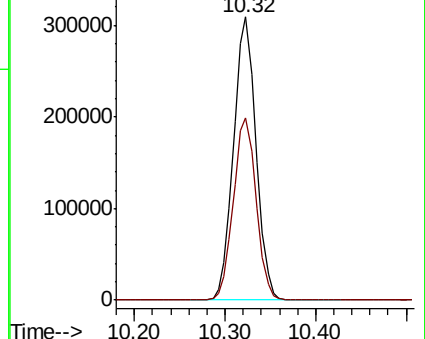
98 100

100 65.2 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: 40.734 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012666.D

Acq: 06 Sep 2019 03:04

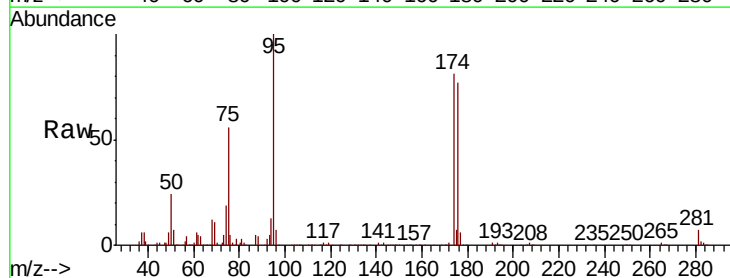
Tgt Ion: 95 Resp: 145075

Ion Ratio Lower Upper

95 100

174 83.0 0.0 150.8

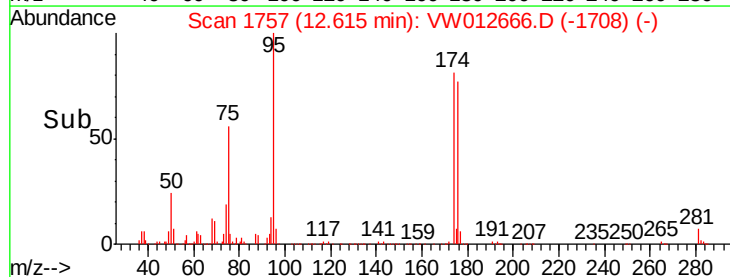
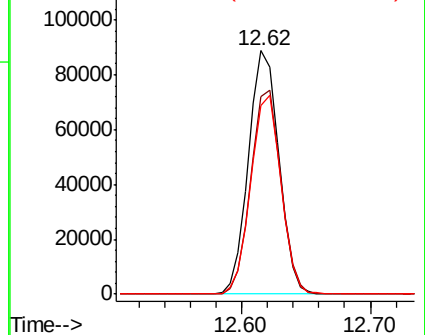
176 80.6 0.0 148.6

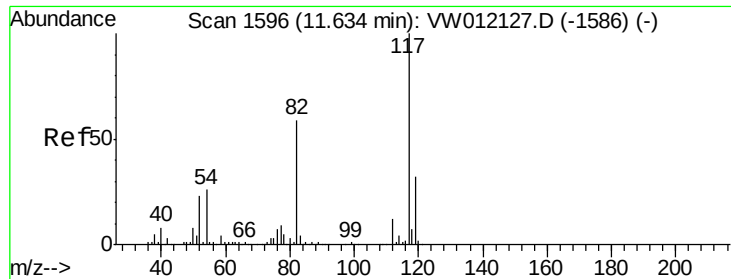


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

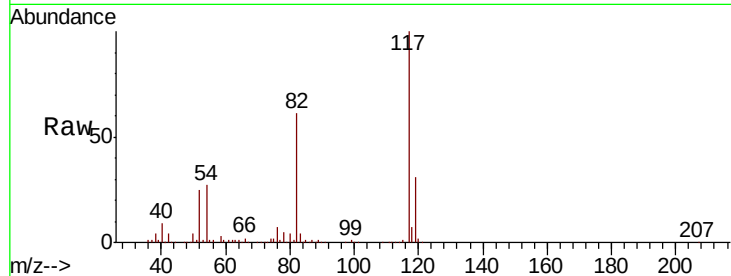




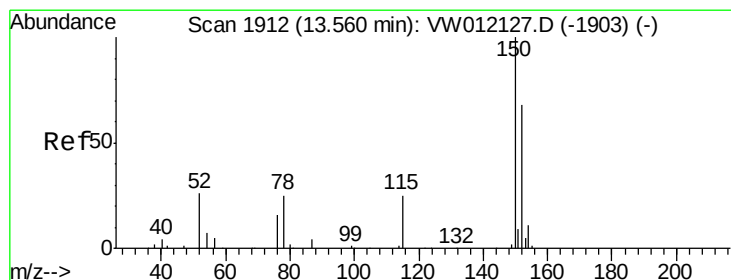
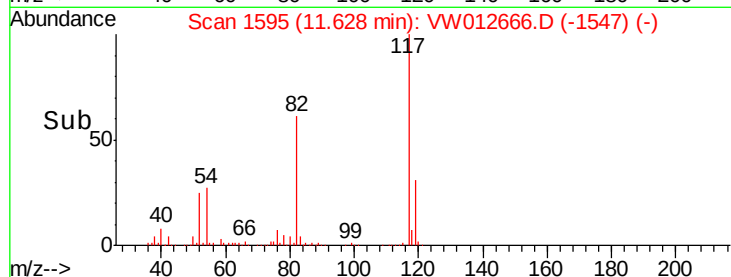
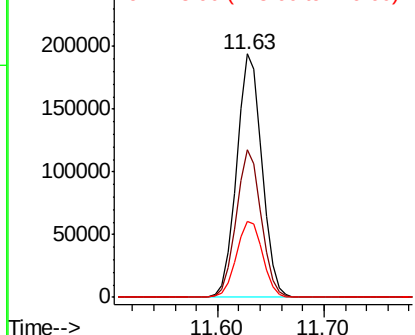
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012666.D
Acq: 06 Sep 2019 03:04

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B3-(0)

Tgt Ion:117 Resp: 323963
Ion Ratio Lower Upper
117 100
82 60.6 47.4 71.2
119 31.4 25.4 38.2

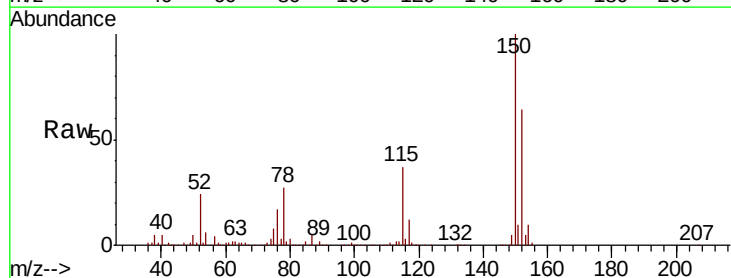


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

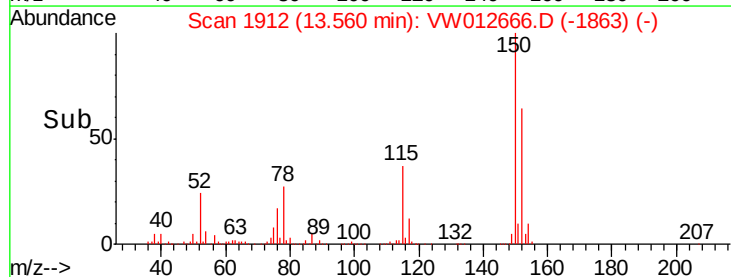
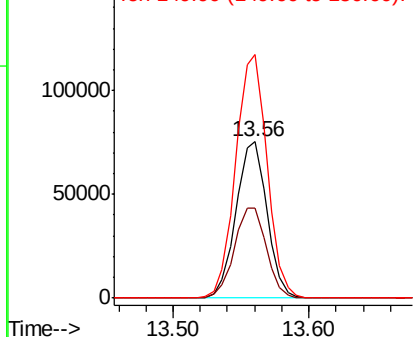


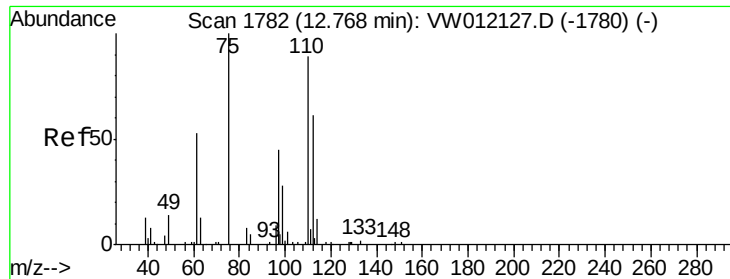
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012666.D
Acq: 06 Sep 2019 03:04

Tgt Ion:152 Resp: 120038
Ion Ratio Lower Upper
152 100
115 59.5 30.1 90.3
150 157.0 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: 69.485 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012666.D

Acq: 06 Sep 2019 03:04

Instrument :

MSVOA_W

ClientSampled :

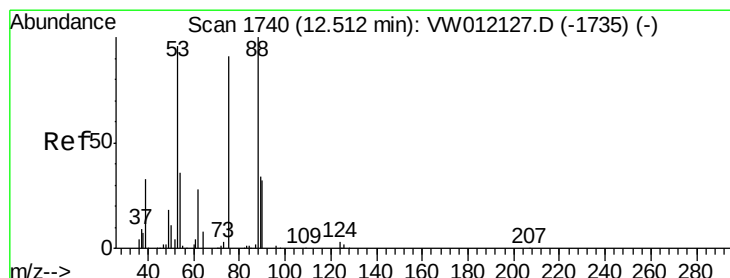
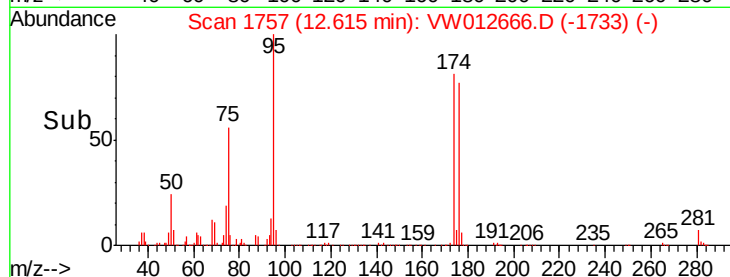
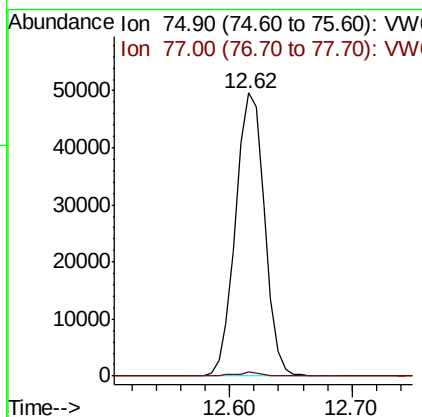
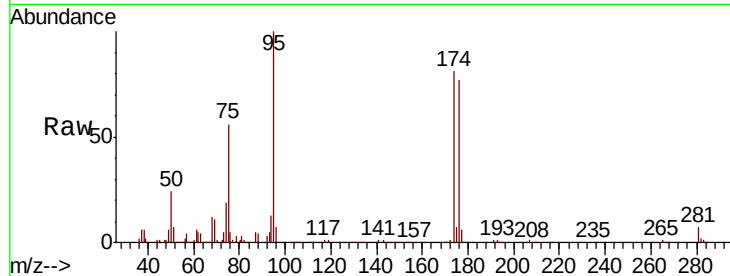
PAR-12-B3-(0)

Tgt Ion: 75 Resp: 81234

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 152.349 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012666.D

Acq: 06 Sep 2019 03:04

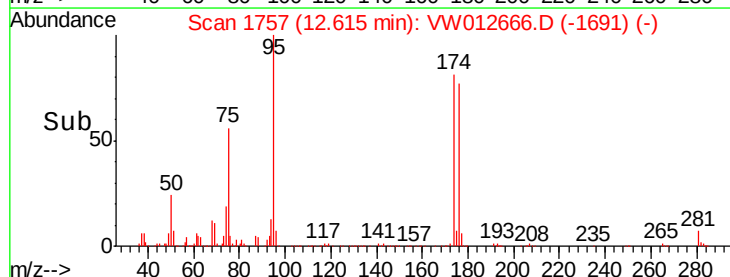
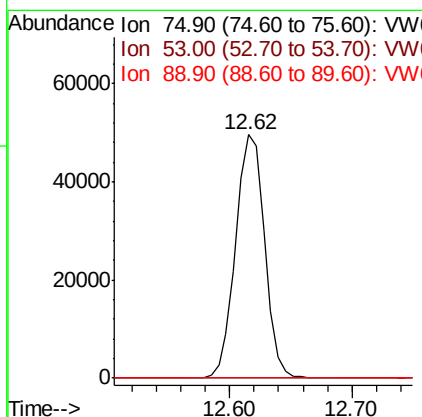
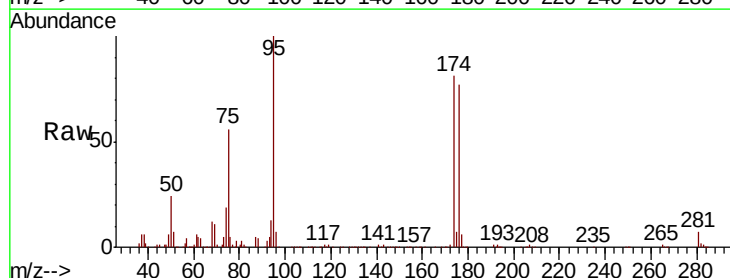
Tgt Ion: 75 Resp: 81234

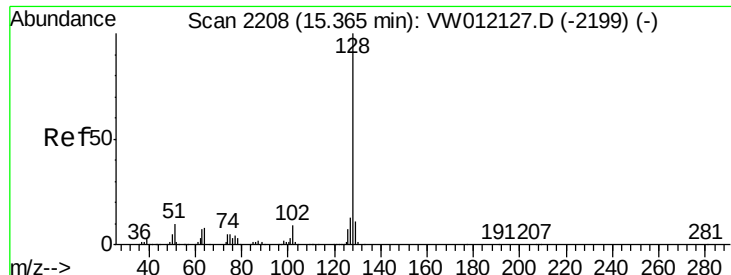
Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

89 0.1 34.5 51.7#





#95
Naphthalene
Concen: 4.522 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012666.D
Acq: 06 Sep 2019 03:04

Instrument :
MSVOA_W
ClientSampleId :
PAR-12-B3-(0)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	21.9	10.7	16.1
129	0.0	8.7	13.1

