

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090319\
 Data File : VW012545.D
 Acq On : 03 Sep 2019 14:38
 Operator : SY/VA
 Sample : K4647-03
 Misc : 6.69G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 03 15:14:03 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	234437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	383601	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	317411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	129058	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	147415	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	
35) Dibromofluoromethane	7.88	113	116315	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
50) Toluene-d8	10.32	98	464513	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.62	95	147633	45.11	ug/l	0.00
Spiked Amount			Recovery	=	90.22%	

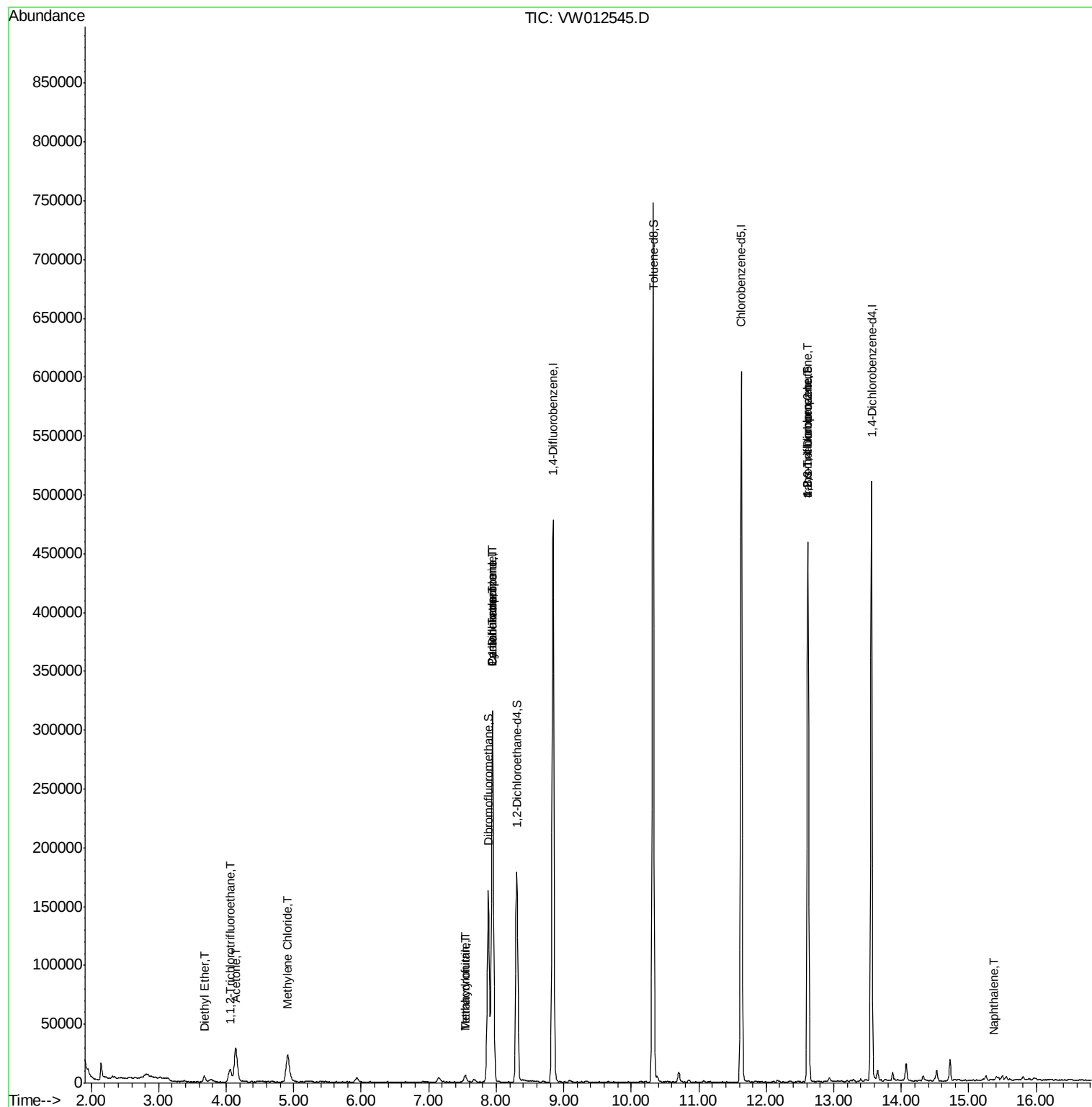
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2555	1.958	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	4.06	101	7860	3.364	ug/l	93
16) Acetone	4.14	43	62248	87.380	ug/l	94
20) Methylene Chloride	4.90	84	17935	6.660	ug/l	90
29) Tetrahydrofuran	7.54	42	6007	10.343	ug/l	96
31) Cyclohexane	7.95	56	5864	1.168	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	20013	5.049	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23637	6.889	ug/l #	15
41) Methacrylonitrile	7.54	41	3665	2.871	ug/l #	53
76) 1,2,3-Trichloropropane	12.62	75	79032	62.877	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	79032	137.860	ug/l #	6
95) Naphthalene	15.36	128	603	4.434	ug/l #	69

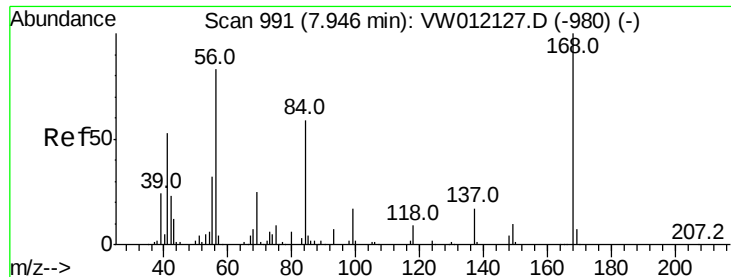
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012545.D

Acq: 03 Sep 2019 14:38

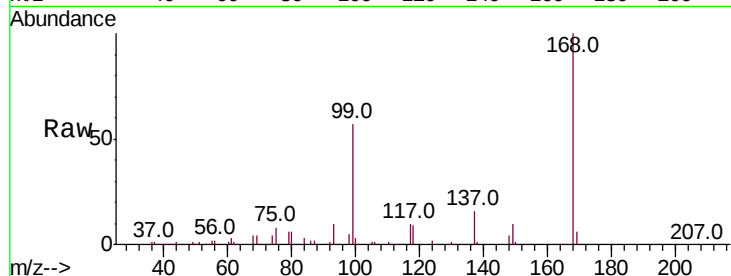
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 234437

Ion Ratio Lower Upper

168 100

99 57.1 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

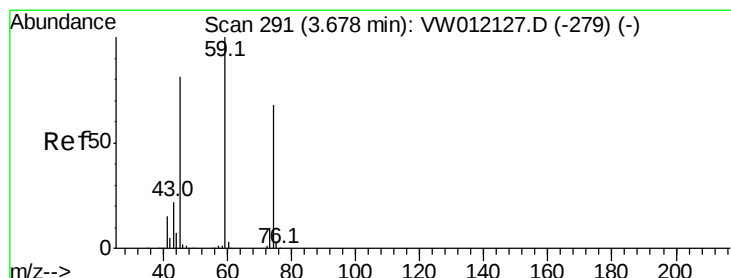
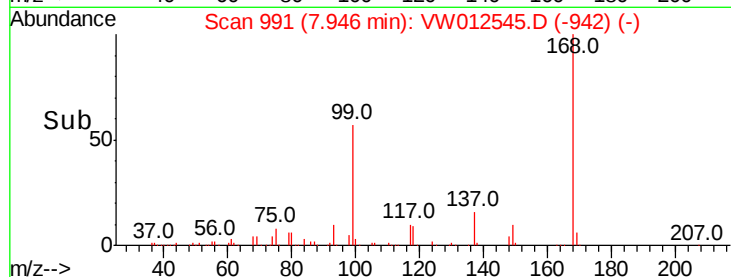
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.958 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012545.D

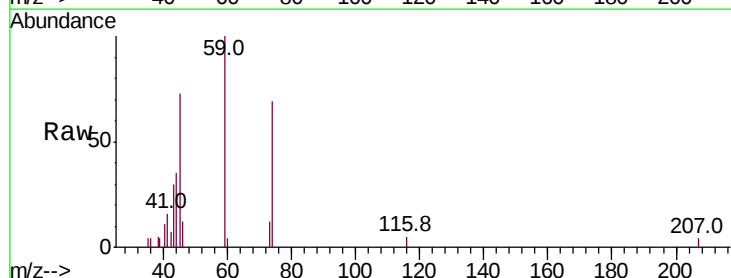
Acq: 03 Sep 2019 14:38

Tgt Ion: 74 Resp: 2555

Ion Ratio Lower Upper

74 100

45 153.3 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

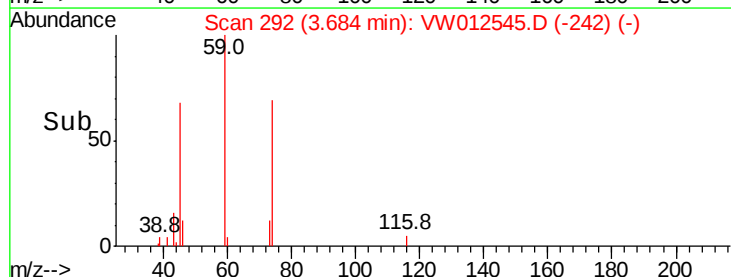
1500

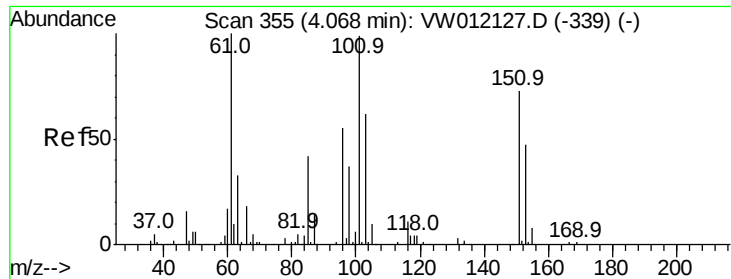
1000

500

0

Time--> 3.60 3.65 3.70 3.75





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.364 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012545.D

Acq: 03 Sep 2019 14:38

Instrument :

MSVOA_W

ClientSampled :

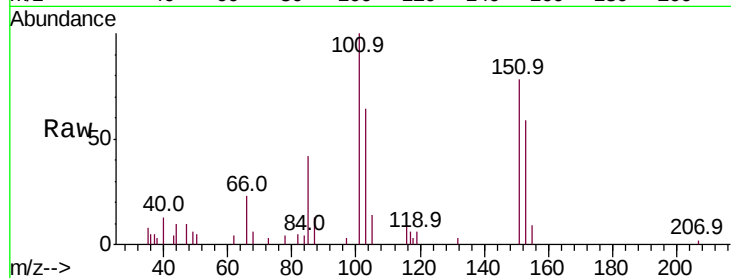
Tot Ion:101 Resp: 7860

Ion Ratio Lower Upper

101 100

85 49.0 35.8 53.6

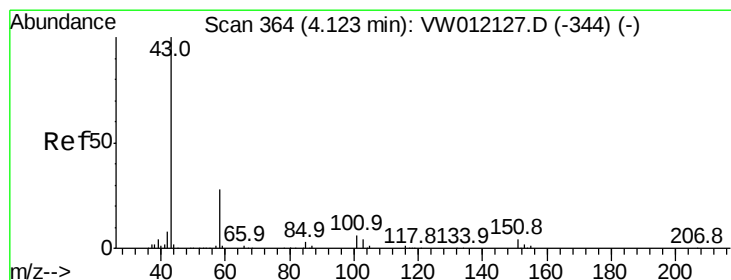
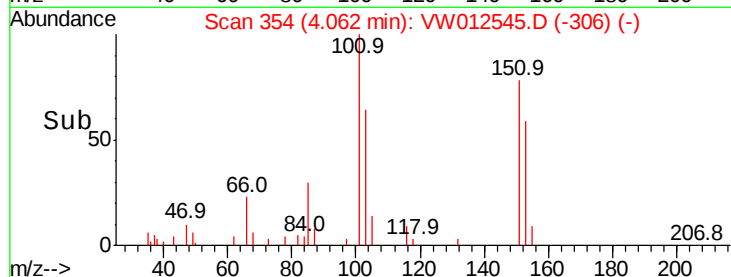
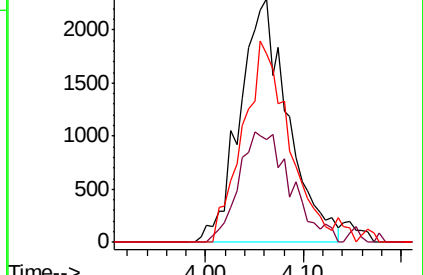
151 79.0 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#16

Acetone

Concen: 87.380 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012545.D

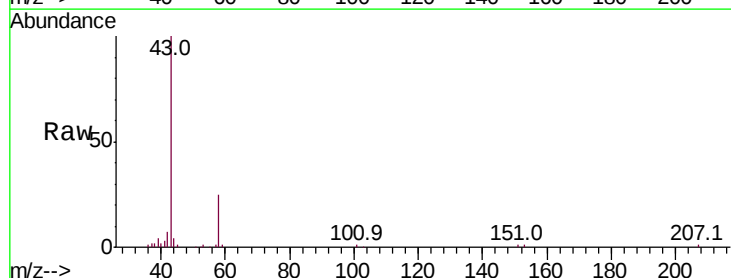
Acq: 03 Sep 2019 14:38

Tgt Ion: 43 Resp: 62248

Ion Ratio Lower Upper

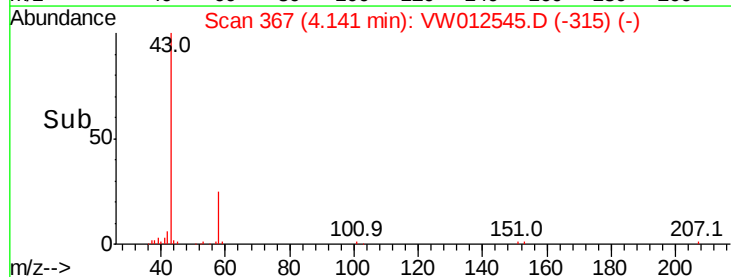
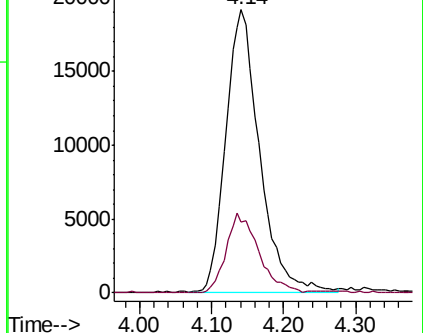
43 100

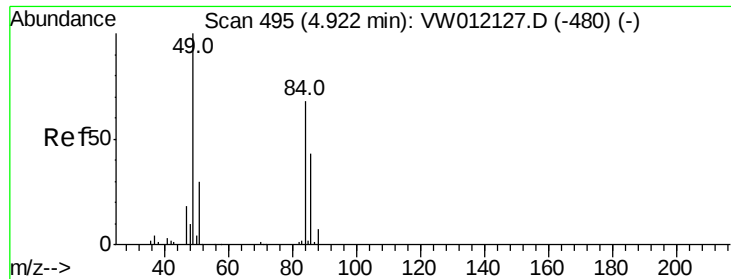
58 25.1 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

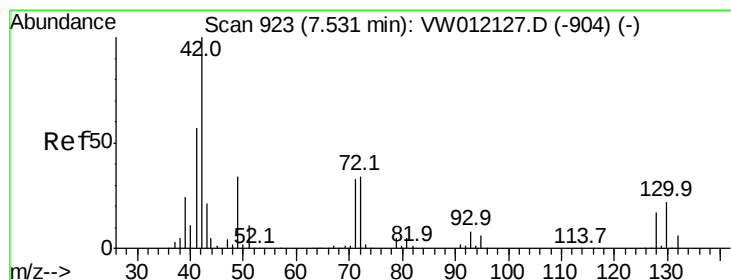
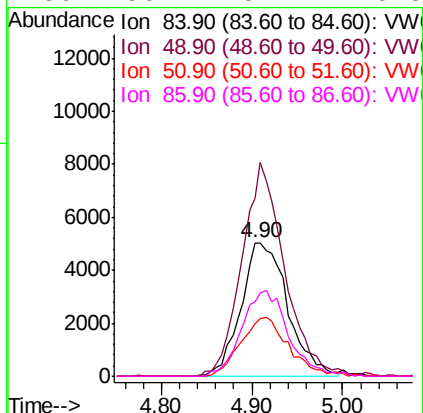
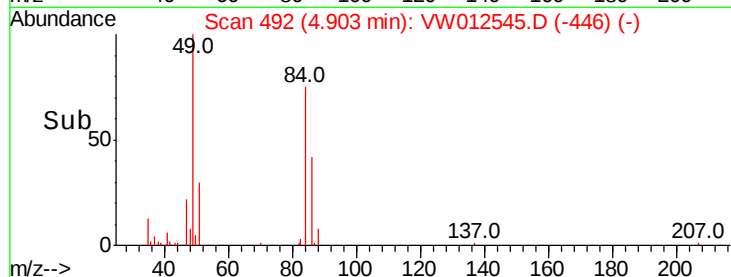
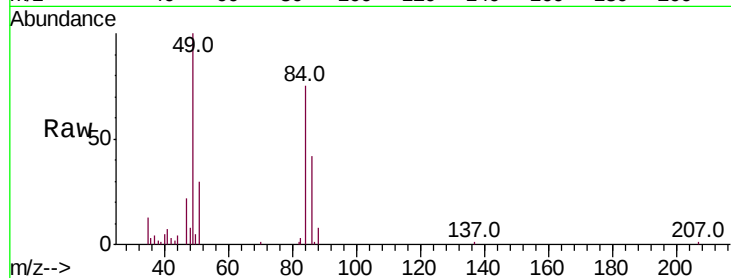




#20
Methylene Chloride
Concen: 6.660 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012545.D
Acq: 03 Sep 2019 14:38

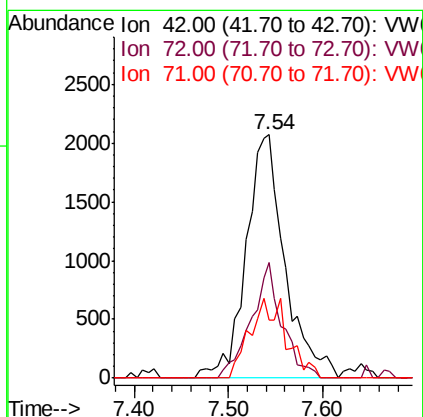
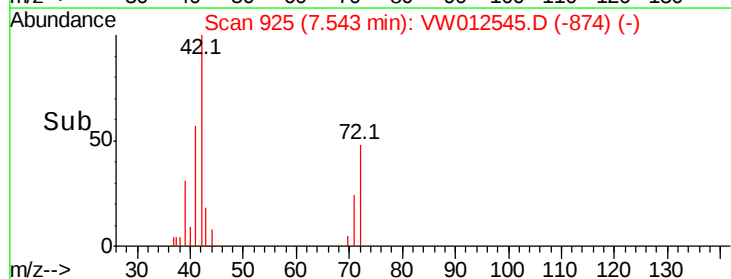
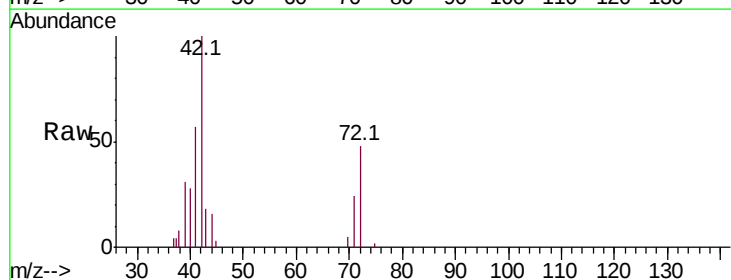
Instrument :
MSVOA_W
ClientSampled :

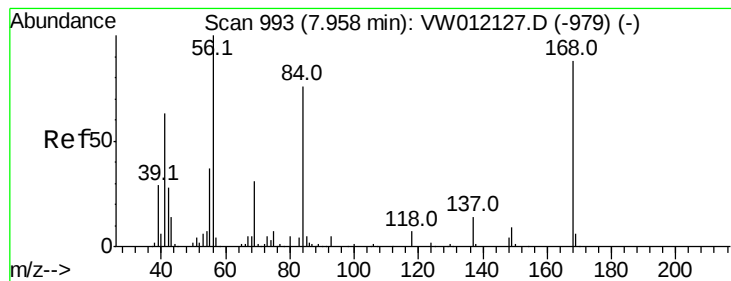
Tot Ion:	84	Resp:	17935
Ion	Ratio	Lower	Upper
84	100		
49	134.0	117.8	176.8
51	39.7	35.6	53.4
86	56.1	51.2	76.8



#29
Tetrahydrofuran
Concen: 10.343 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012545.D
Acq: 03 Sep 2019 14:38

Tgt Ion:	42	Resp:	6007
Ion	Ratio	Lower	Upper
42	100		
72	37.8	27.3	40.9
71	30.8	25.5	38.3





#31

Cyclohexane

Concen: 1.168 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012545.D

Acq: 03 Sep 2019 14:38

Instrument :
MSVOA_W
ClientSampled :

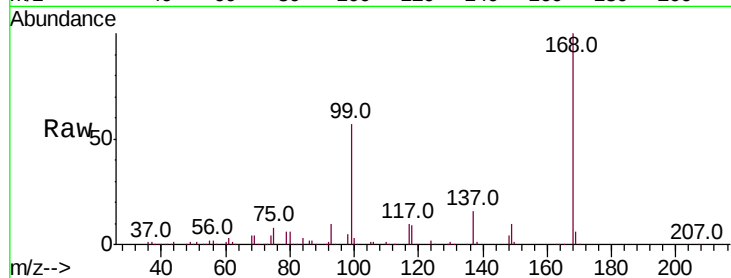
Tot Ion: 56 Resp: 5864

Ion Ratio Lower Upper

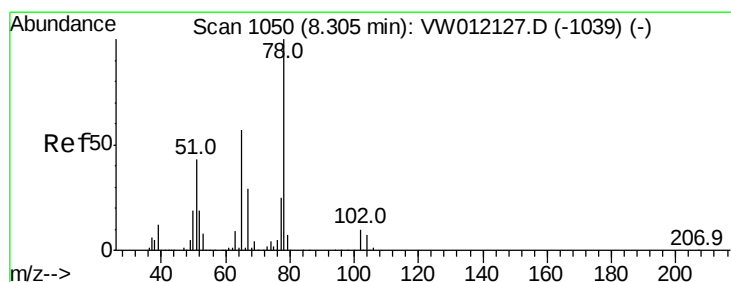
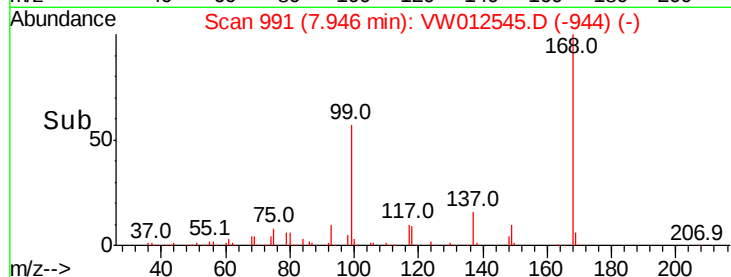
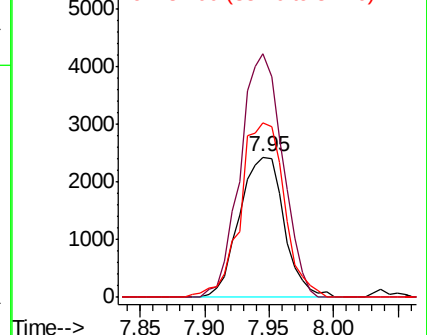
56 100

69 173.5 24.9 37.3#

84 123.9 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: 52.896 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012545.D

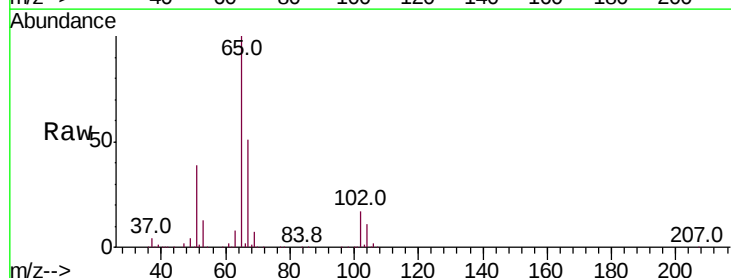
Acq: 03 Sep 2019 14:38

Tgt Ion: 65 Resp: 147415

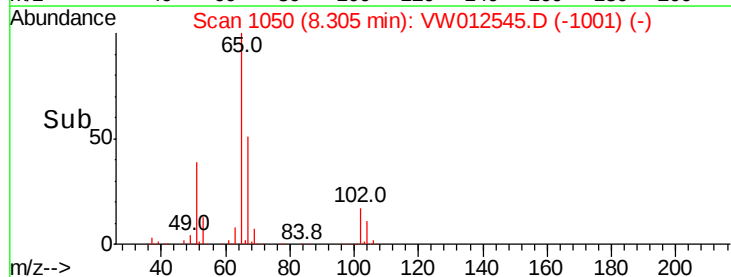
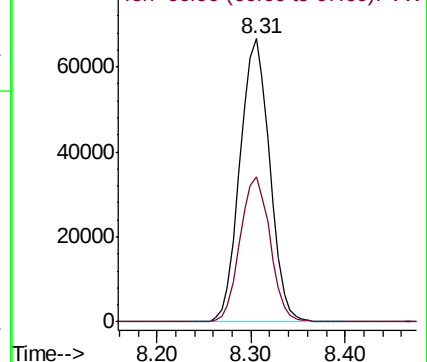
Ion Ratio Lower Upper

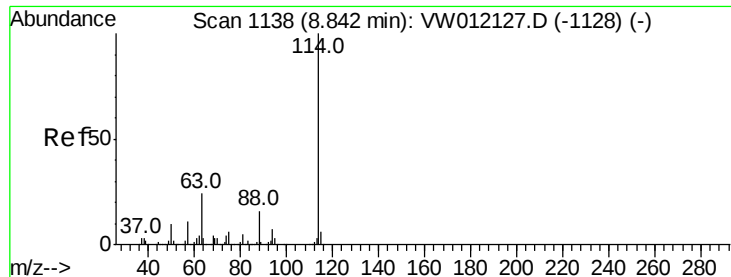
65 100

67 51.7 0.0 102.6



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

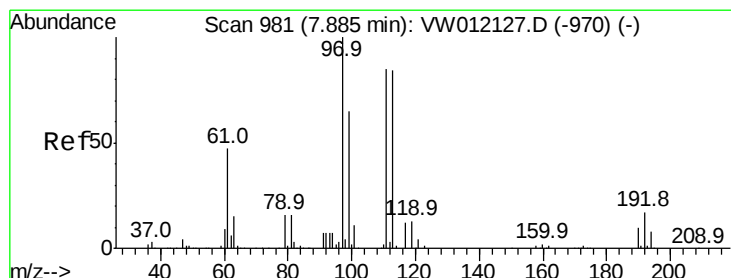
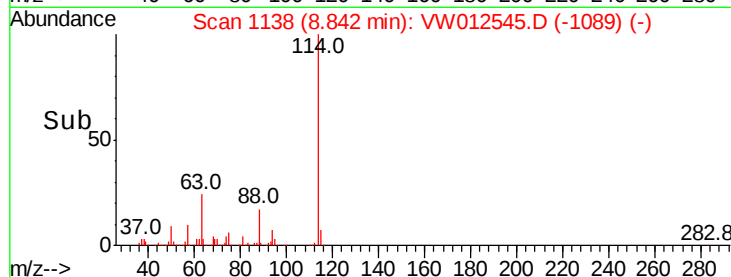
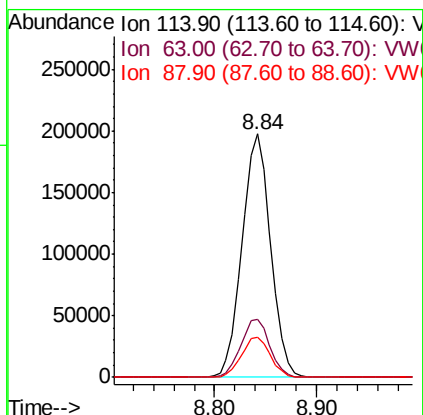
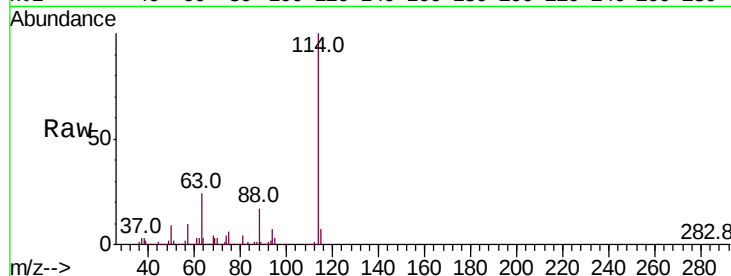




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW012545.D
Acq: 03 Sep 2019 14:38

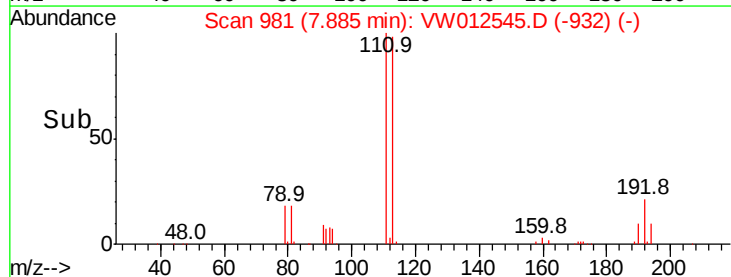
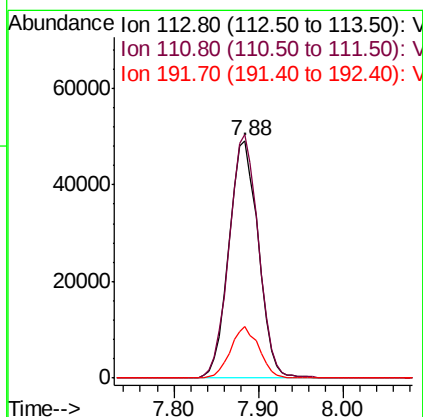
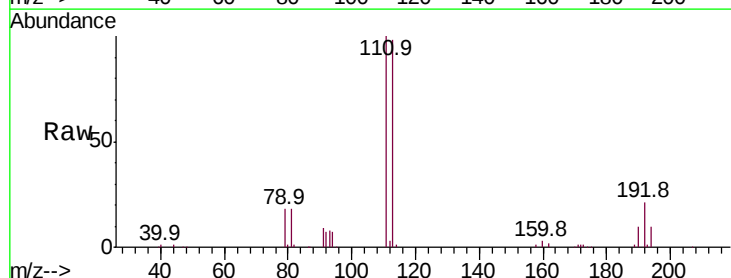
Instrument :
MSVOA_W
ClientSampled :

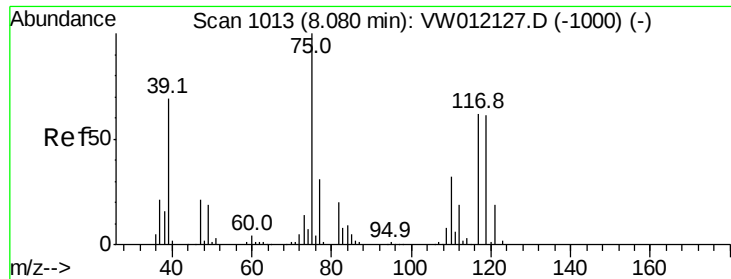
Tot Ion:114 Resp: 383601
Ion Ratio Lower Upper
114 100
63 23.6 0.0 48.6
88 16.7 0.0 32.2



#35
Dibromofluoromethane
Concen: 50.799 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW012545.D
Acq: 03 Sep 2019 14:38

Tgt Ion:113 Resp: 116315
Ion Ratio Lower Upper
113 100
111 102.4 82.7 124.1
192 21.0 16.2 24.2

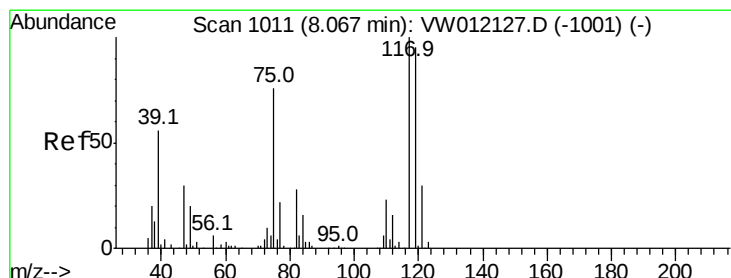
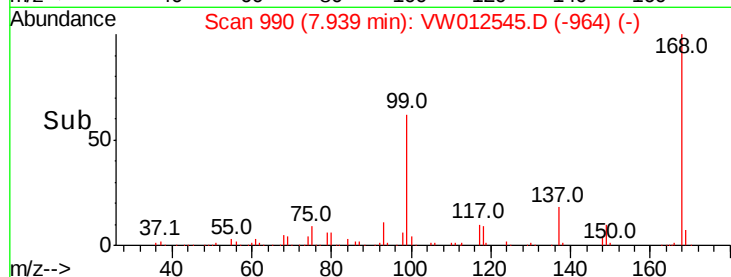
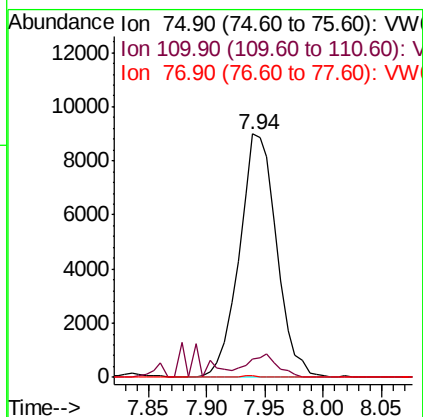
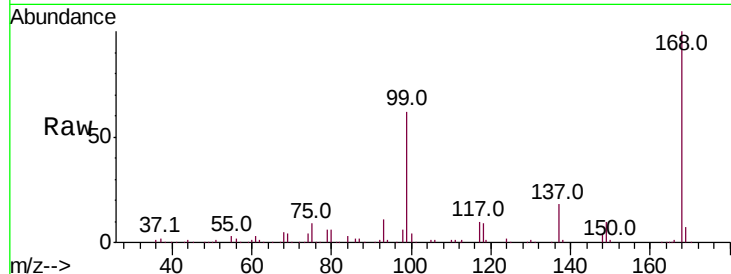




#36
 1,1-Dichloropropene
 Concen: 5.049 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012545.D
 Acq: 03 Sep 2019 14:38

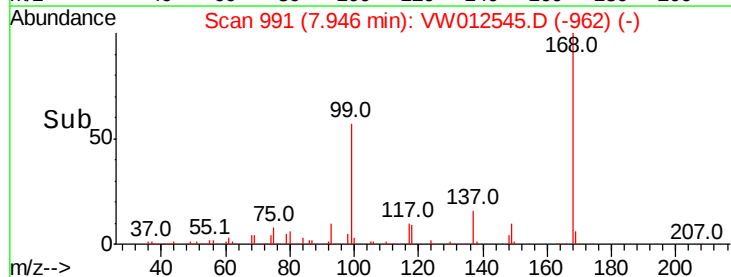
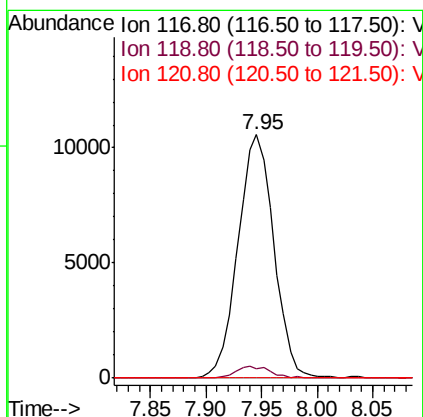
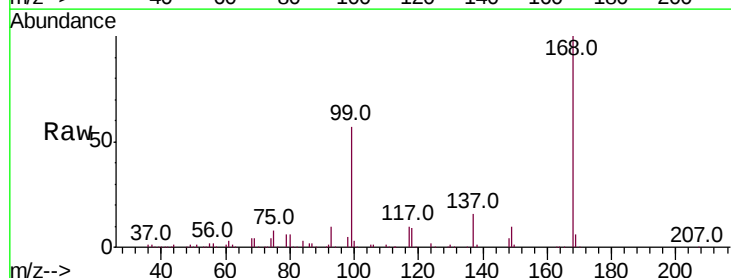
Instrument :
 MSVOA_W
 ClientSampleId :

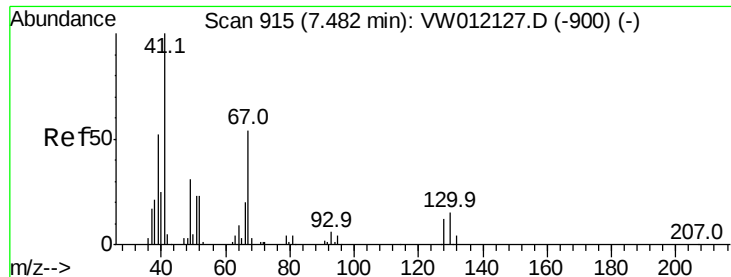
Tot Ion: 75 Resp: 20013
 Ion Ratio Lower Upper
 75 100
 110 7.7 15.6 46.8#
 77 0.2 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.889 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012545.D
 Acq: 03 Sep 2019 14:38

Tgt Ion: 117 Resp: 23637
 Ion Ratio Lower Upper
 117 100
 119 3.9 76.2 114.2#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 2.871 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.06 min

Lab File: VW012545.D

Acq: 03 Sep 2019 14:38

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 41 Resp: 3665

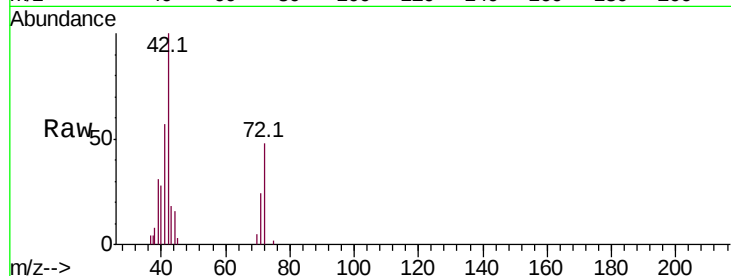
Ion Ratio Lower Upper

41 100

39 48.0 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

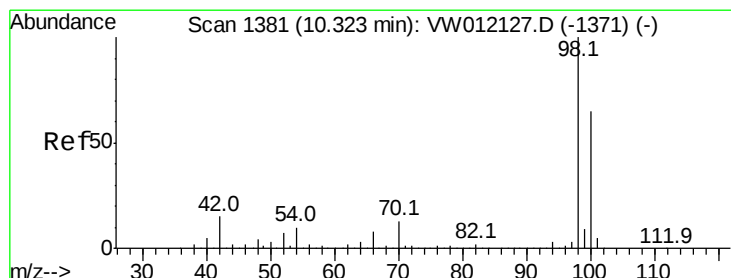
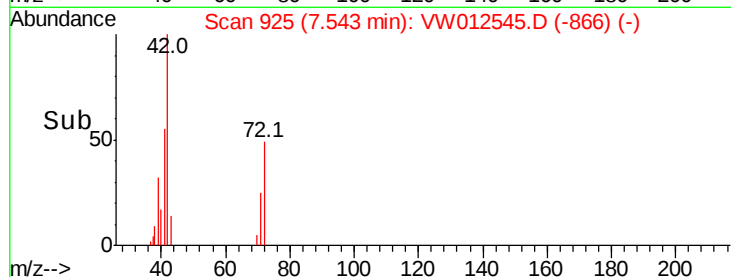
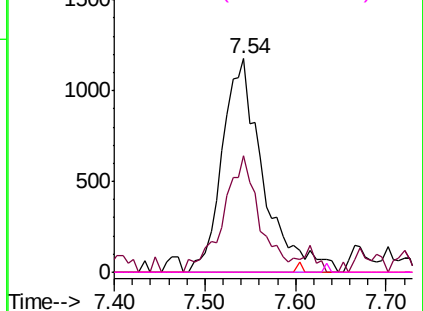


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#50

Toluene-d8

Concen: 50.033 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012545.D

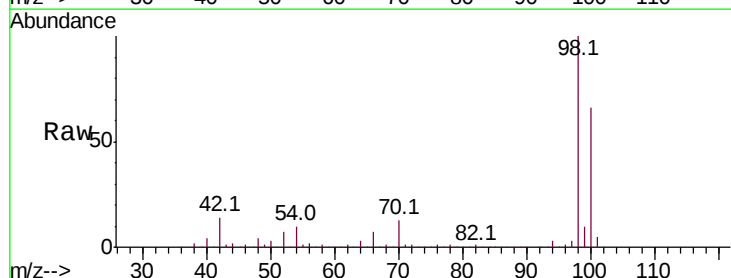
Acq: 03 Sep 2019 14:38

Tgt Ion: 98 Resp: 464513

Ion Ratio Lower Upper

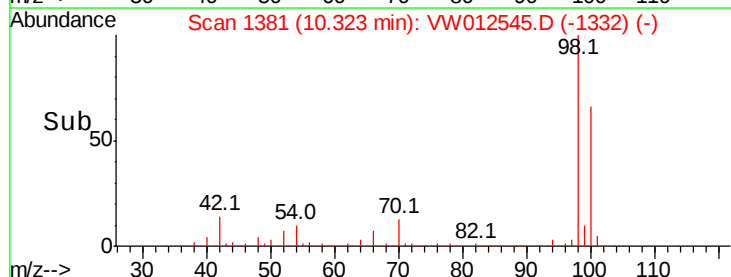
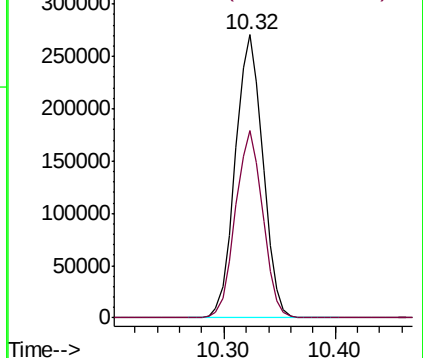
98 100

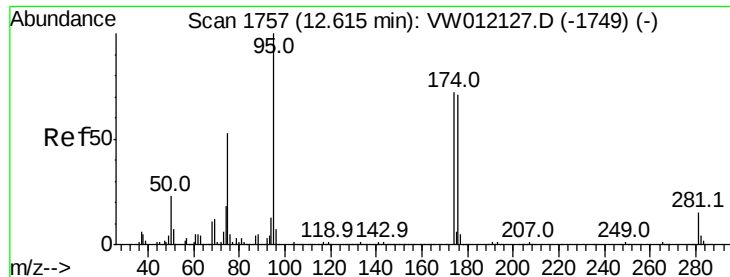
100 65.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

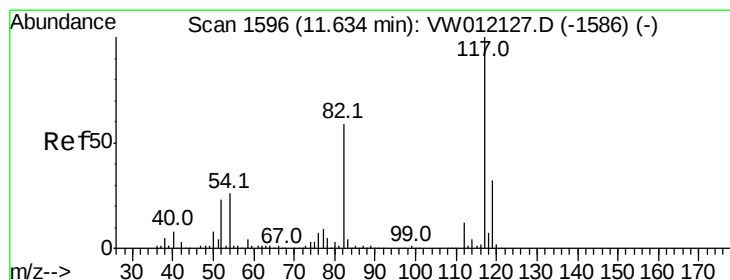
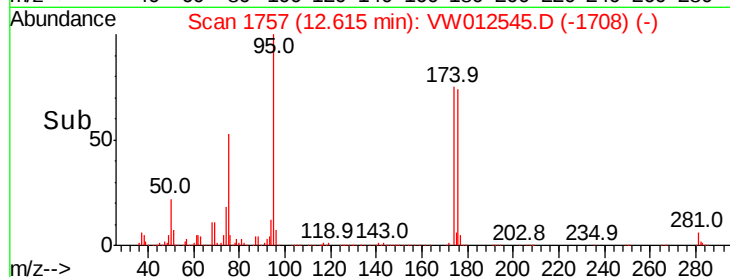
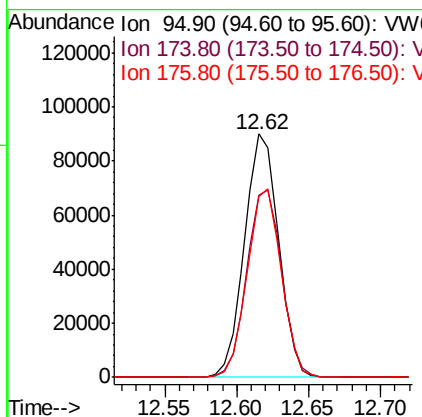
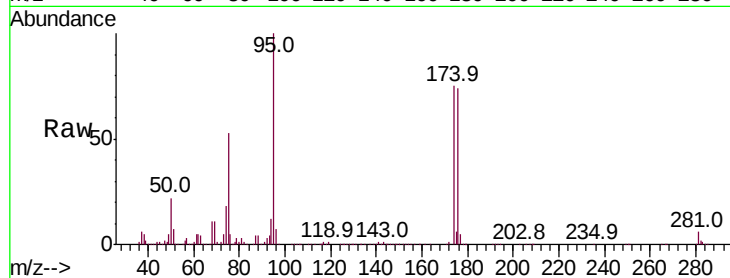




#62
4-Bromofluorobenzene
Concen: 45.111 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW012545.D
Acq: 03 Sep 2019 14:38

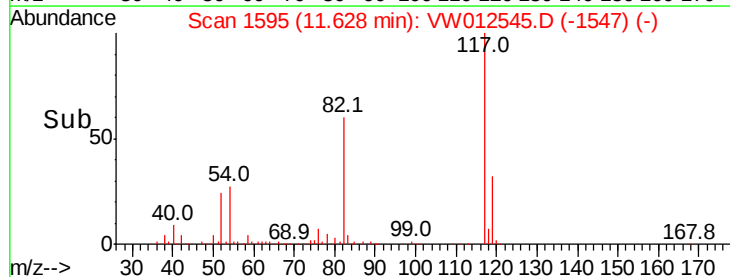
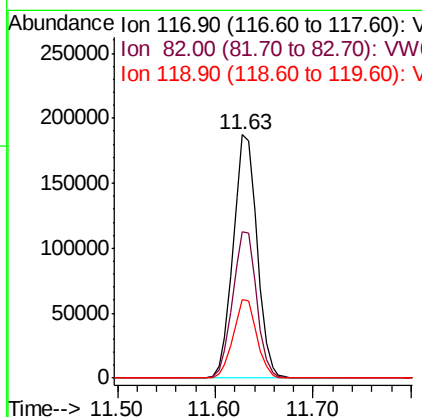
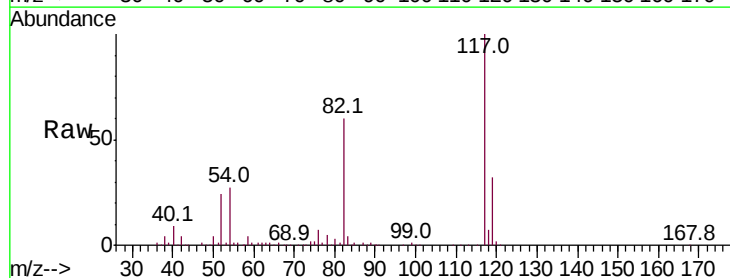
Instrument :
MSVOA_W
ClientSampleId :

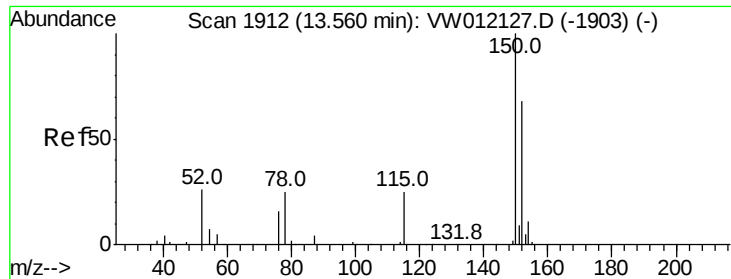
Tot Ion: 95 Resp: 147633
Ion Ratio Lower Upper
95 100
174 78.6 0.0 150.8
176 77.0 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012545.D
Acq: 03 Sep 2019 14:38

Tgt Ion: 117 Resp: 317411
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.2
119 32.4 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: VW012545.D

Acq: 03 Sep 2019 14:38

Instrument :

MSVOA_W

ClientSampleId :

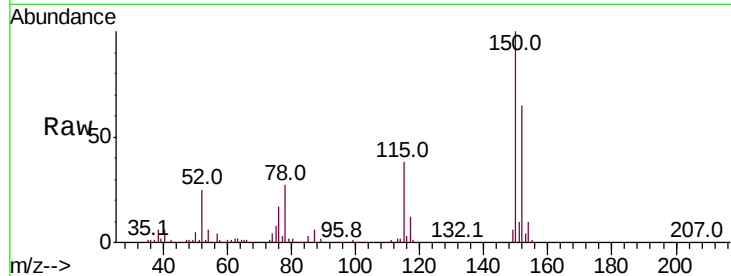
Tot Ion:152 Resp: 129058

Ion Ratio Lower Upper

152 100

115 59.3 30.1 90.3

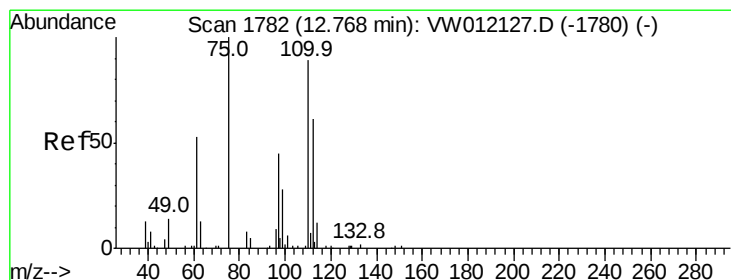
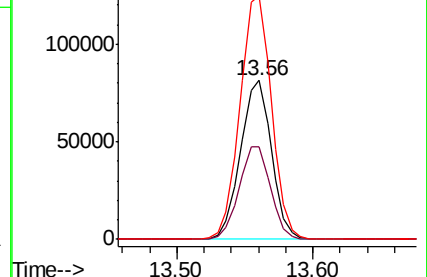
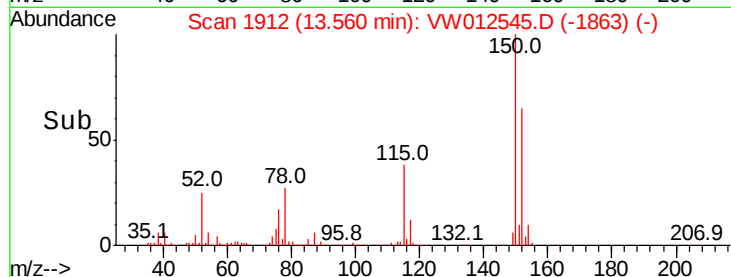
150 155.9 0.0 345.8



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: 62.877 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012545.D

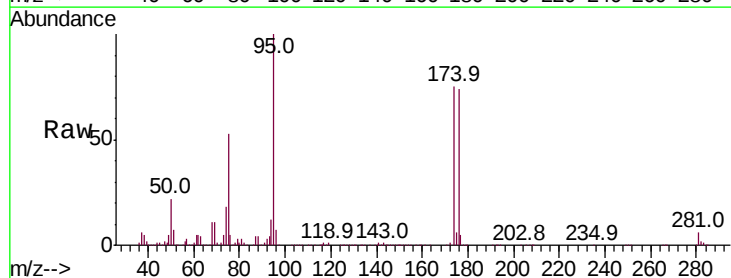
Acq: 03 Sep 2019 14:38

Tgt Ion: 75 Resp: 79032

Ion Ratio Lower Upper

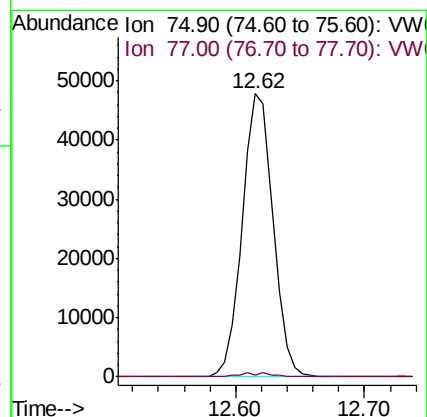
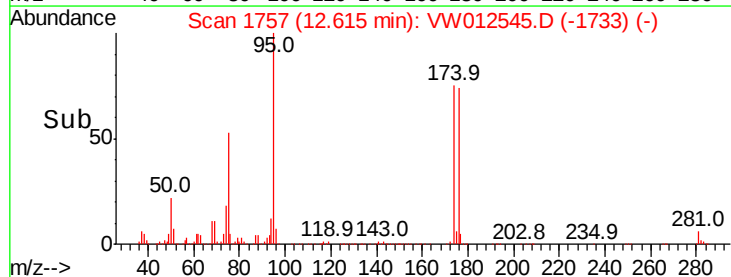
75 100

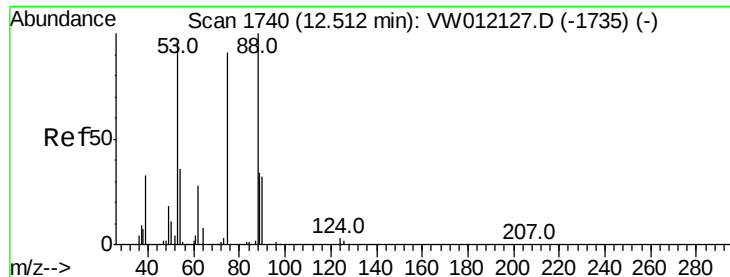
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

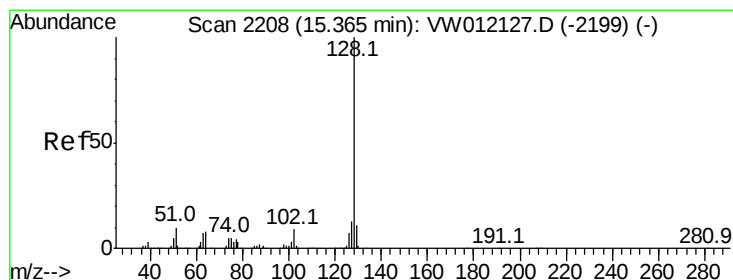
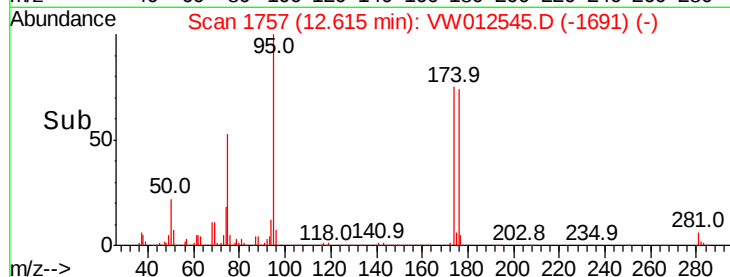
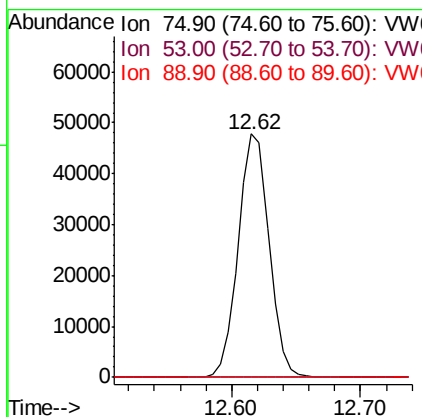
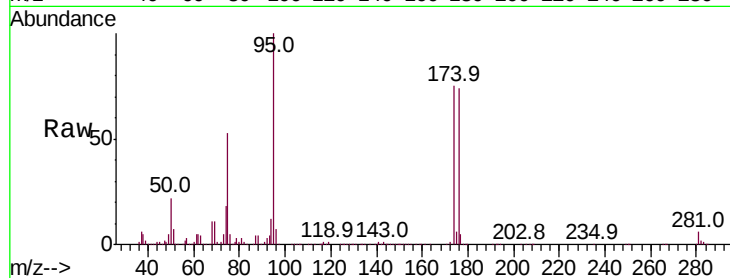




#81
trans-1,4-Dichloro-2-butene
Concen: 137.860 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012545.D
Acq: 03 Sep 2019 14:38

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 79032
Ion Ratio Lower Upper
75 100
53 0.1 89.4 134.0#
89 0.2 34.5 51.7#



#95
Naphthalene
Concen: 4.434 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012545.D
Acq: 03 Sep 2019 14:38

Tgt Ion: 128 Resp: 603
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

