

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091019\
 Data File : VW012869.D
 Acq On : 10 Sep 2019 14:41
 Operator : SY/VA
 Sample : K4644-01RE
 Misc : 5.52G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T11-D2-(0)

Quant Time: Sep 10 17:49:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	229971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	347212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	256175	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	79910	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	119146	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	
35) Dibromofluoromethane	7.88	113	101445	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
50) Toluene-d8	10.32	98	396035	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	12.62	95	103100	35.12	ug/l	0.00
Spiked Amount			Recovery	=	70.24%	

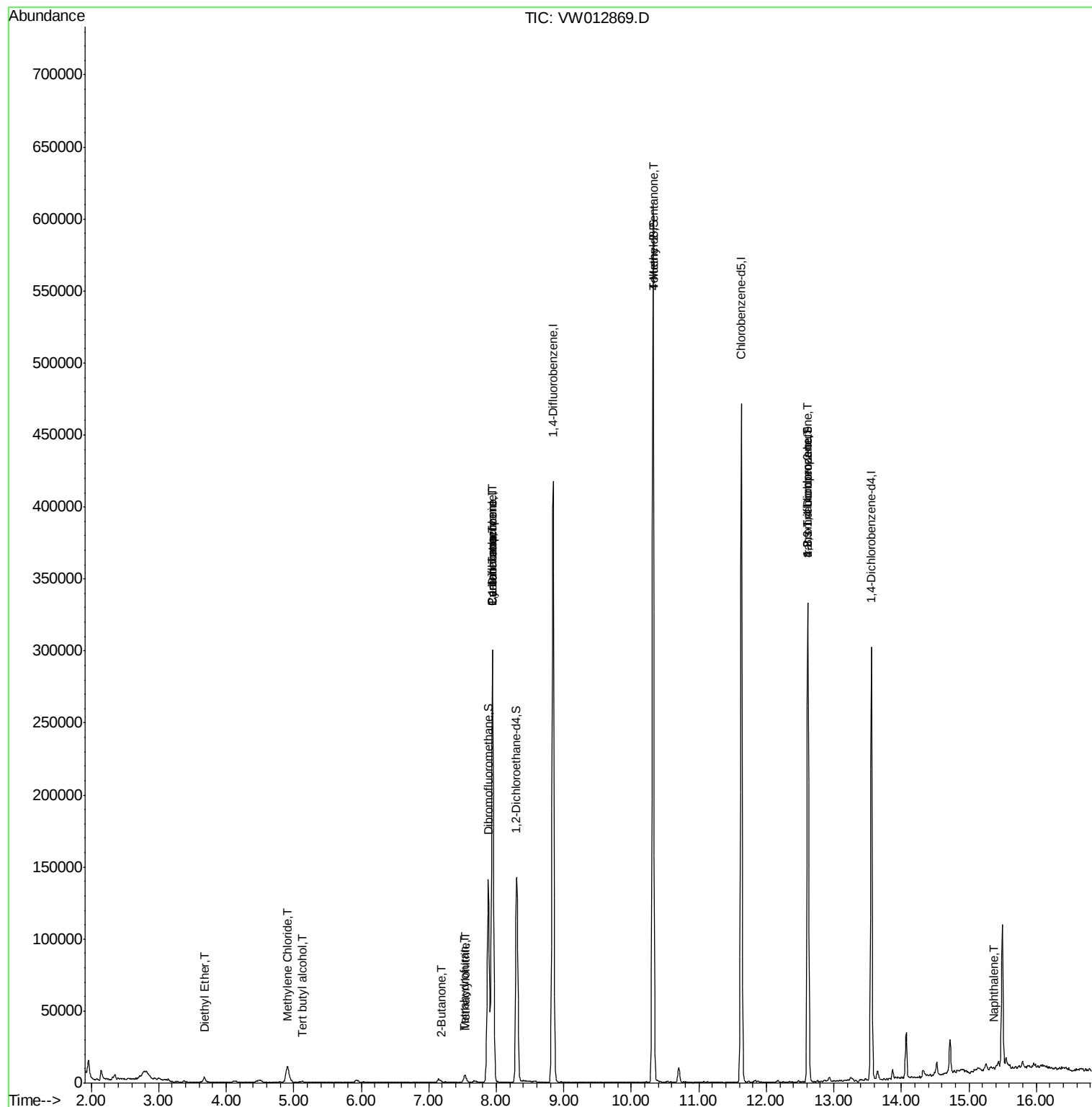
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1513	1.404	ug/l #	32
11) Tert butyl alcohol	5.12	59	750	3.815	ug/l #	72
20) Methylene Chloride	4.91	84	8376	3.822	ug/l	95
25) 2-Butanone	7.19	43	169	19.831	ug/l #	53
29) Tetrahydrofuran	7.52	42	4290	7.584	ug/l	92
31) Cyclohexane	7.94	56	4929	1.305	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17351	5.624	ug/l #	51
38) Carbon Tetrachloride	7.94	117	21471	7.060	ug/l #	15
41) Methacrylonitrile	7.54	41	2664	5.678	ug/l #	55
51) 4-Methyl-2-Pentanone	10.32	43	2239	1.145	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	54329	66.489	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	54329	140.628	ug/l #	6
95) Naphthalene	15.37	128	700	4.629	ug/l #	89

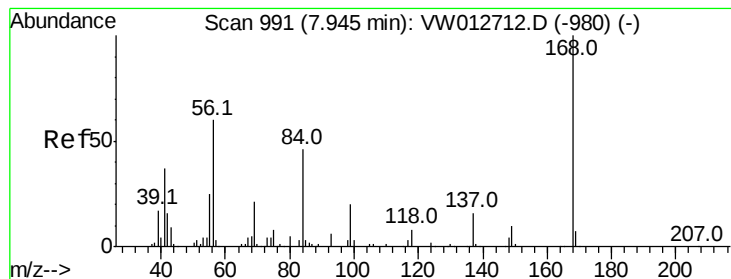
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012869.D

Acq: 10 Sep 2019 14:41

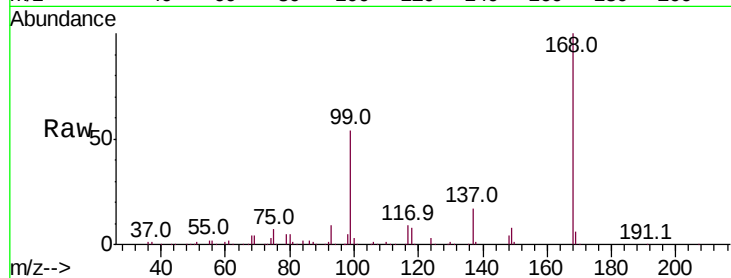
Instrument :
MSVOA_W
ClientSampleId :
T11-D2-(0)

Tot Ion:168 Resp: 229971

Ion Ratio Lower Upper

168 100

99 54.1 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

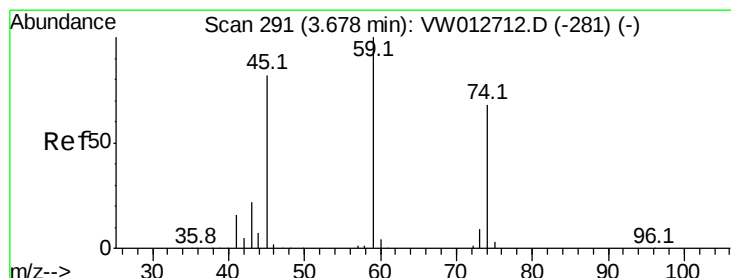
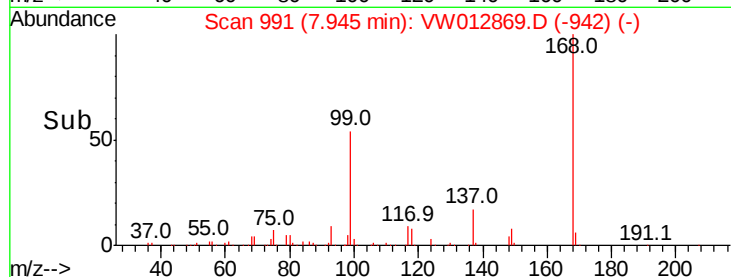
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.404 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012869.D

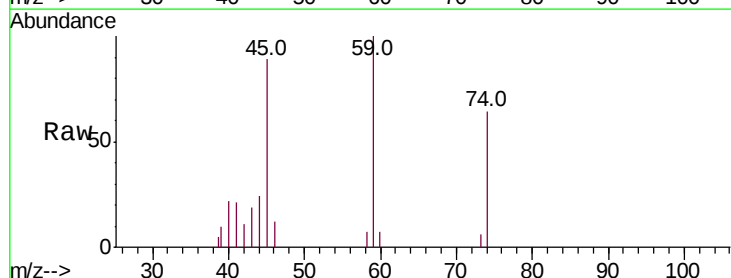
Acq: 10 Sep 2019 14:41

Tgt Ion: 74 Resp: 1513

Ion Ratio Lower Upper

74 100

45 191.8 58.8 176.4#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

800

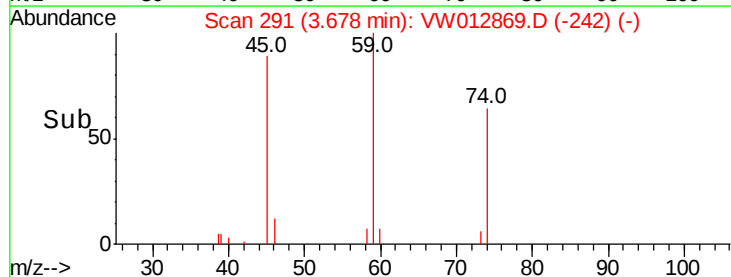
600

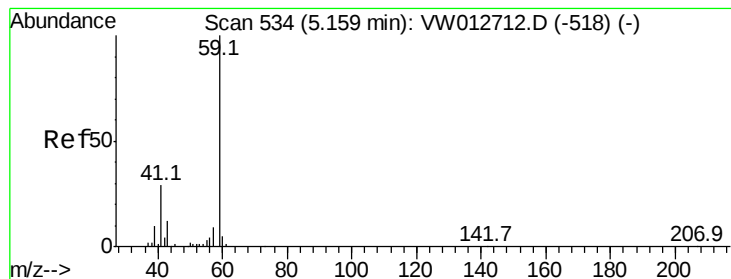
400

200

0

Time--> 3.60 3.65 3.70 3.75



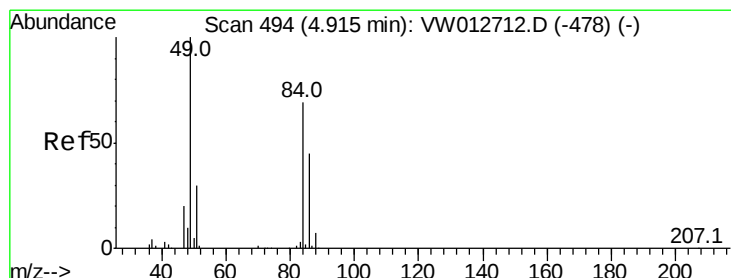
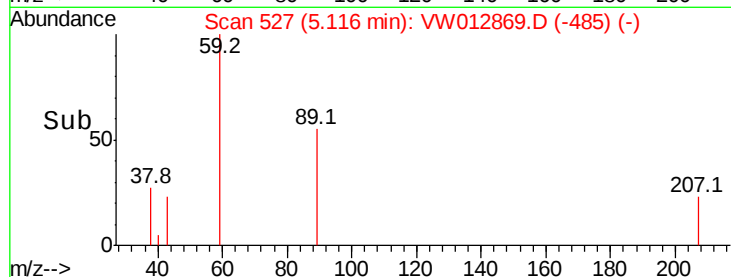
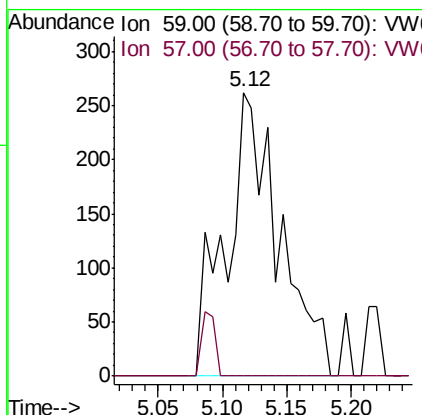
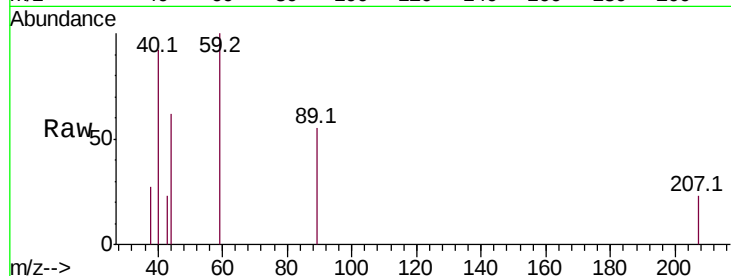


#11

Tert butyl alcohol
 Concen: 3.815 ug/l
 RT: 5.12 min Scan# 527
 Delta R.T. -0.04 min
 Lab File: VW012869.D
 Acq: 10 Sep 2019 14:41

Instrument :
 MSVOA_W
 ClientSampleId :
 T11-D2-(0)

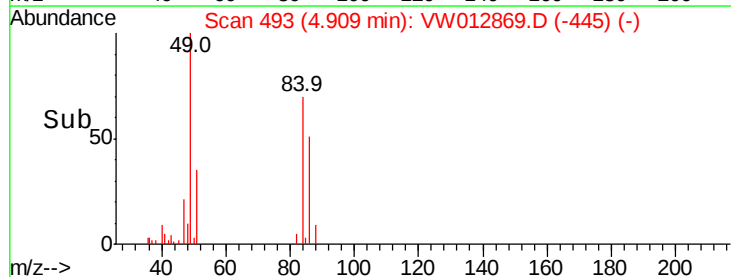
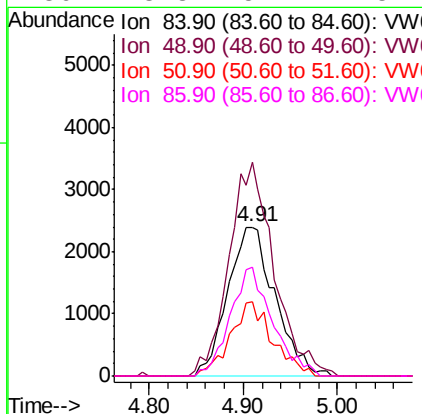
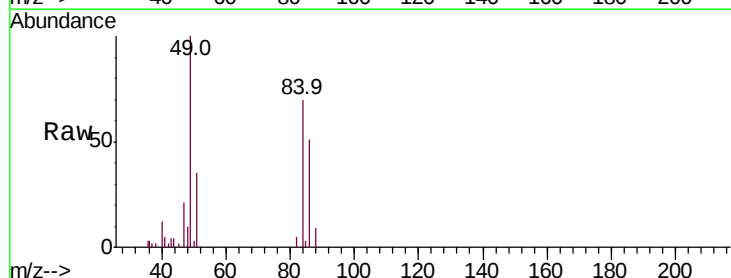
Tot Ion: 59 Resp: 750
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

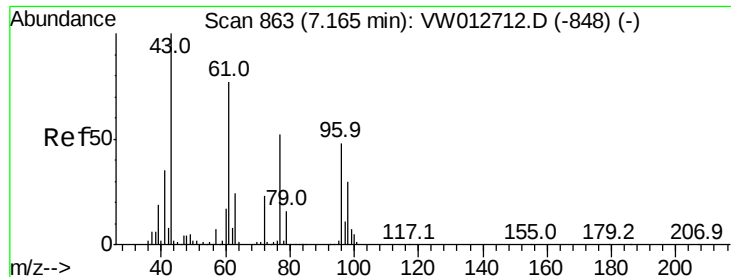


#20

Methylene Chloride
 Concen: 3.822 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW012869.D
 Acq: 10 Sep 2019 14:41

Tgt Ion: 84 Resp: 8376
 Ion Ratio Lower Upper
 84 100
 49 143.2 115.4 173.0
 51 49.7 34.9 52.3
 86 73.3 52.2 78.4





#25

2-Butanone

Concen: 19.831 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW012869.D

Acq: 10 Sep 2019 14:41

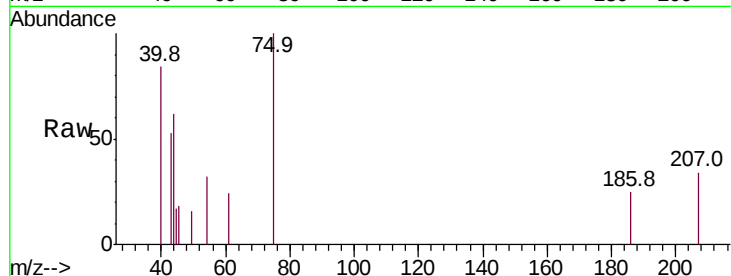
Instrument :
MSVOA_W
ClientSampled :
T11-D2-(0)

Tot Ion: 43 Resp: 169

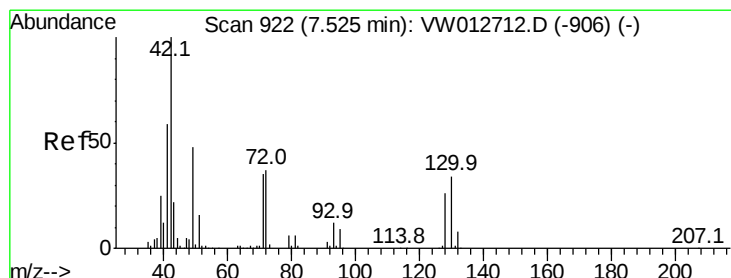
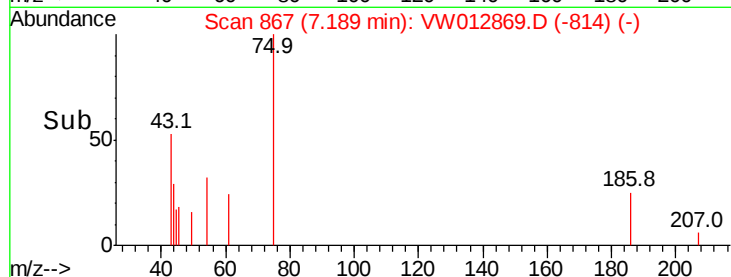
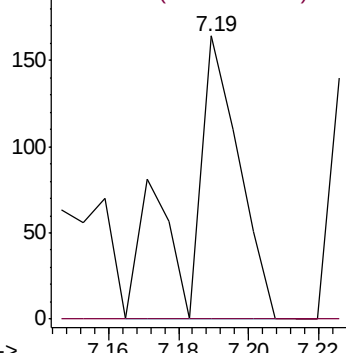
Ion Ratio Lower Upper

43 100

72 0.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 7.584 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

Lab File: VW012869.D

Acq: 10 Sep 2019 14:41

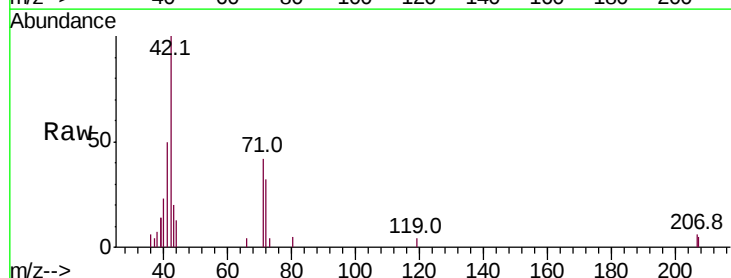
Tgt Ion: 42 Resp: 4290

Ion Ratio Lower Upper

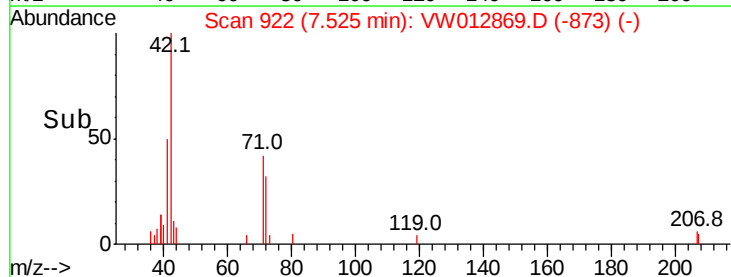
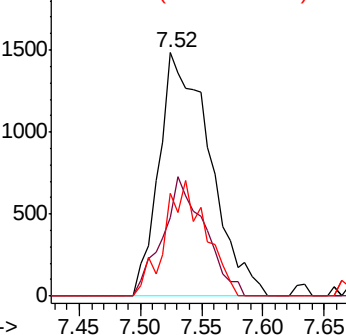
42 100

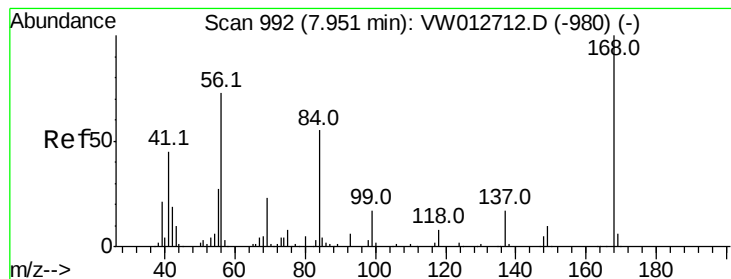
72 40.6 28.4 42.6

71 37.9 27.1 40.7



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: 1.305 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012869.D

Acq: 10 Sep 2019 14:41

Instrument :

MSVOA_W

ClientSampleID :

T11-D2-(0)

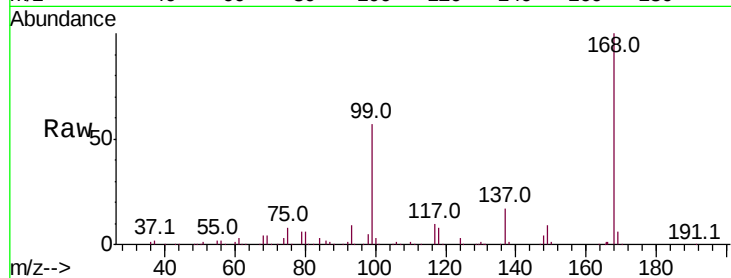
Tot Ion: 56 Resp: 4929

Ion Ratio Lower Upper

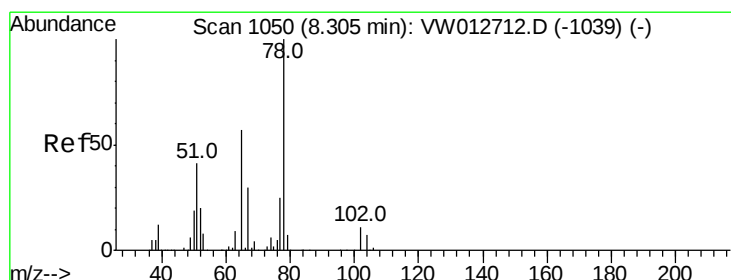
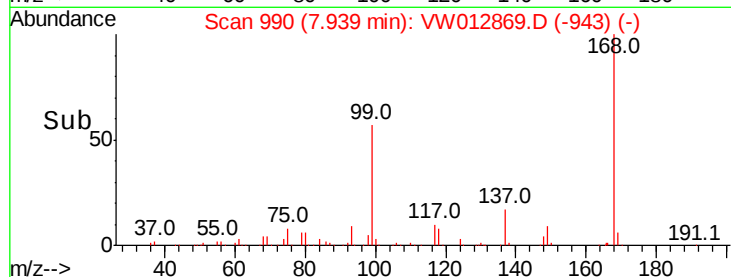
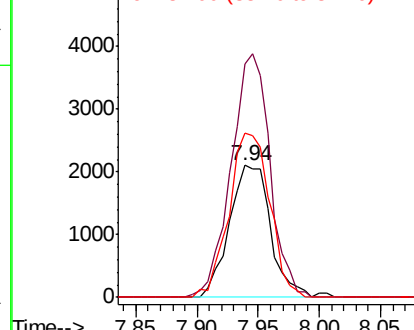
56 100

69 176.9 25.7 38.5#

84 124.4 60.4 90.6#



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: 46.369 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012869.D

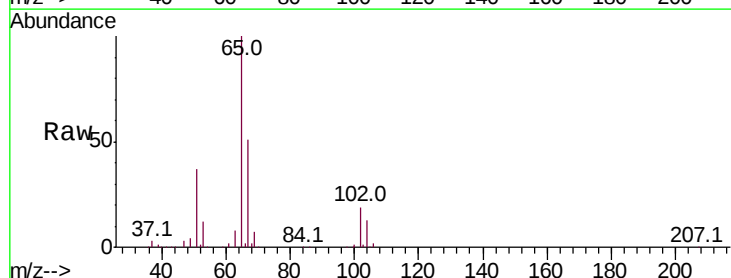
Acq: 10 Sep 2019 14:41

Tgt Ion: 65 Resp: 119146

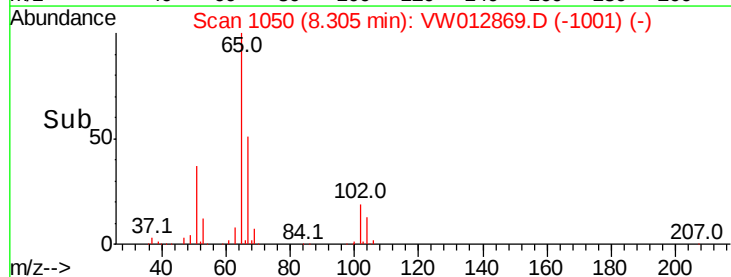
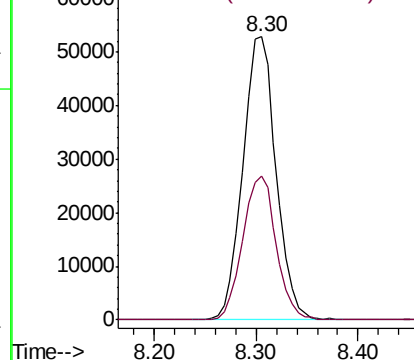
Ion Ratio Lower Upper

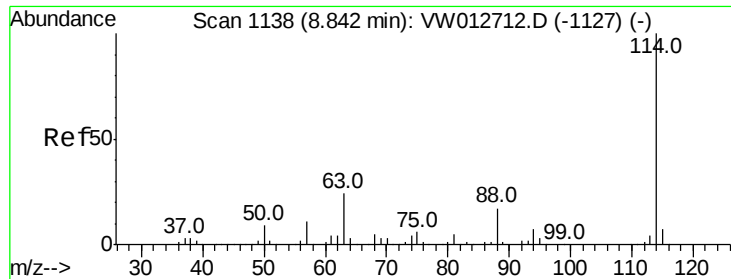
65 100

67 51.3 0.0 101.8



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

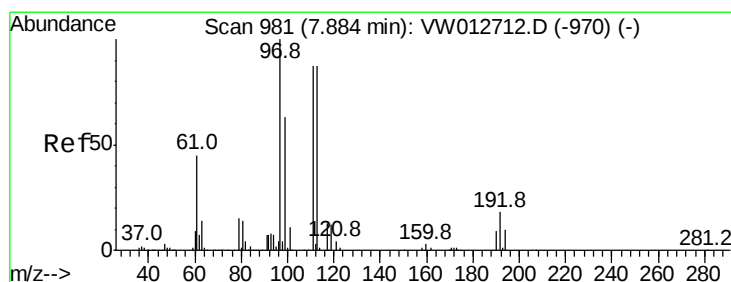
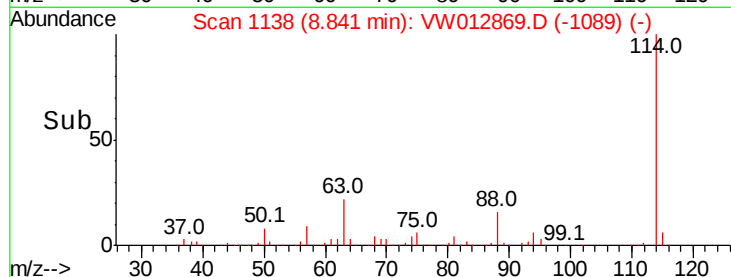
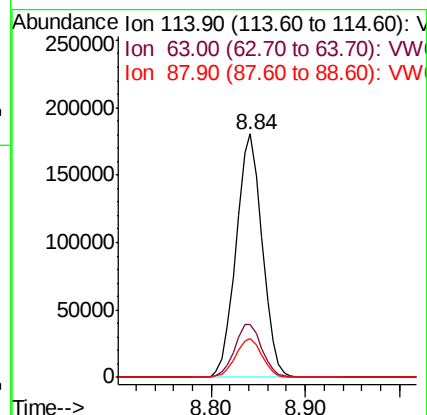
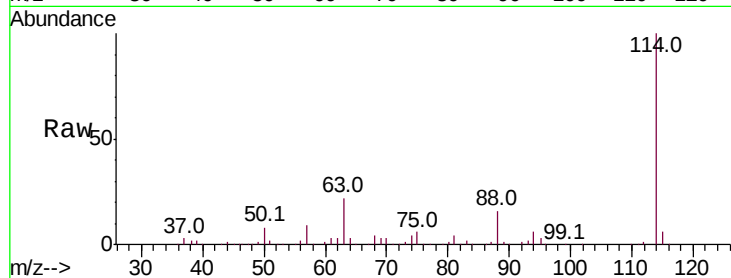




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012869.D
 Acq: 10 Sep 2019 14:41

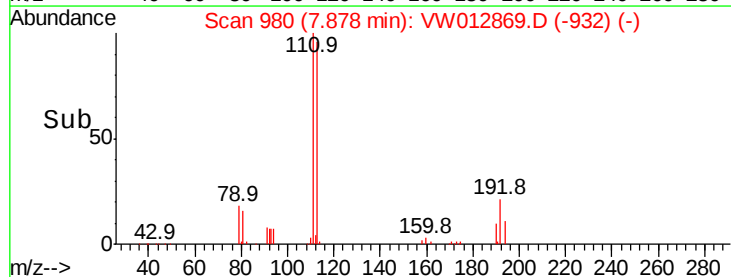
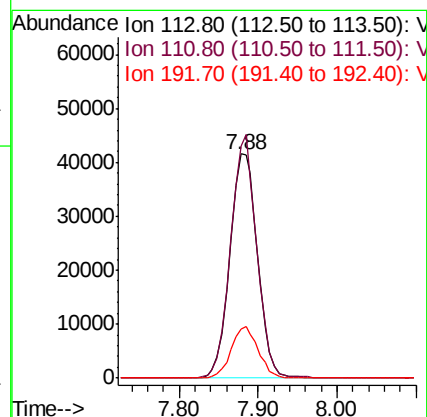
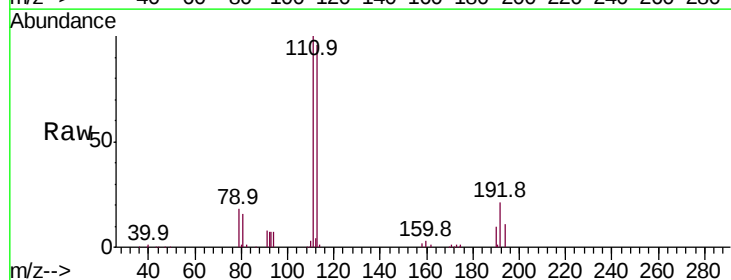
Instrument :
 MSVOA_W
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 T11-D2-(0)

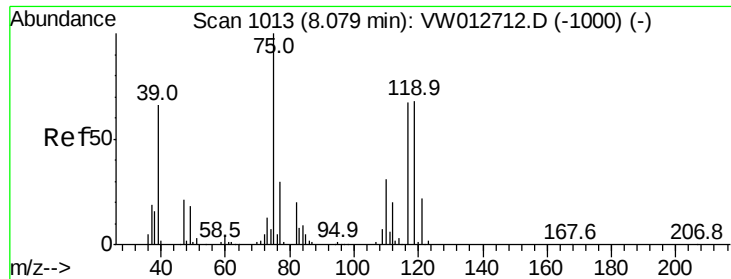
Tot Ion:	114	Resp:	347212
Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	47.2
88	16.0	0.0	34.0



#35
 Dibromofluoromethane
 Concen: 49.143 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012869.D
 Acq: 10 Sep 2019 14:41

Tgt Ion:	113	Resp:	101445
Ion	Ratio	Lower	Upper
113	100		
111	101.8	80.2	120.4
192	22.2	17.3	25.9

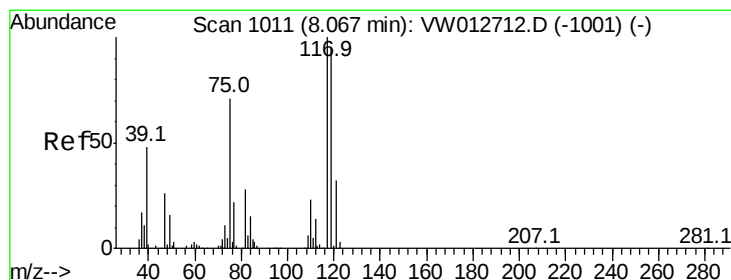
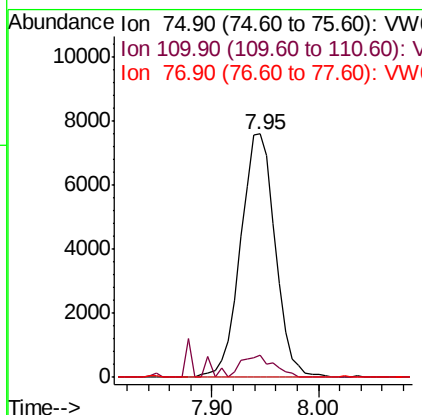
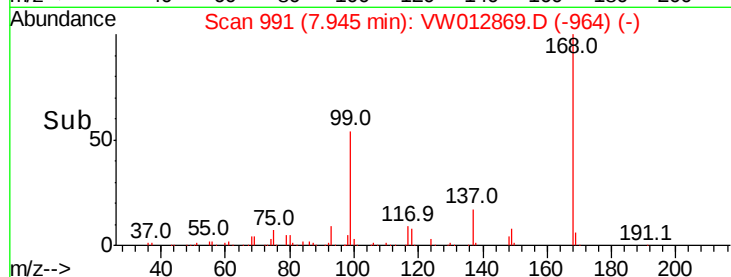
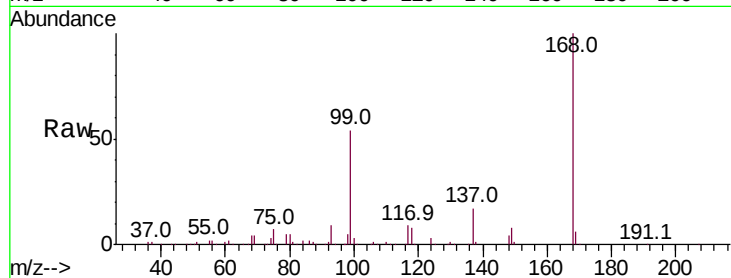




#36
 1,1-Dichloropropene
 Concen: 5.624 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012869.D
 Acq: 10 Sep 2019 14:41

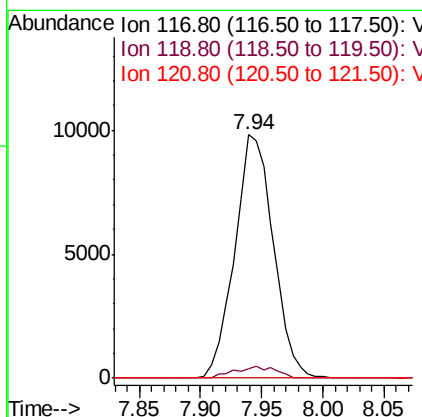
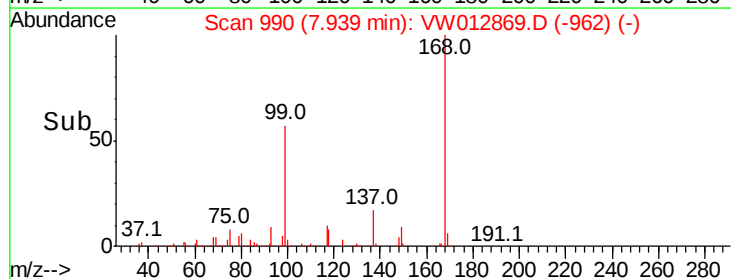
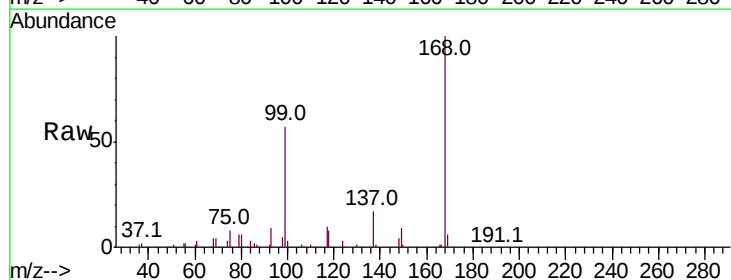
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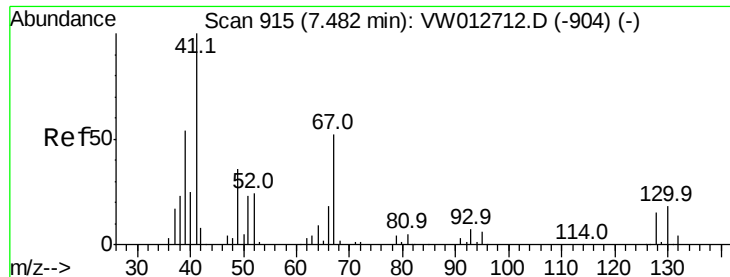
Tot Ion: 75 Resp: 17351
 Ion Ratio Lower Upper
 75 100
 110 8.5 15.9 47.7#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 7.060 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012869.D
 Acq: 10 Sep 2019 14:41

Tgt Ion: 117 Resp: 21471
 Ion Ratio Lower Upper
 117 100
 119 3.6 76.2 114.2#
 121 0.0 25.4 38.2#

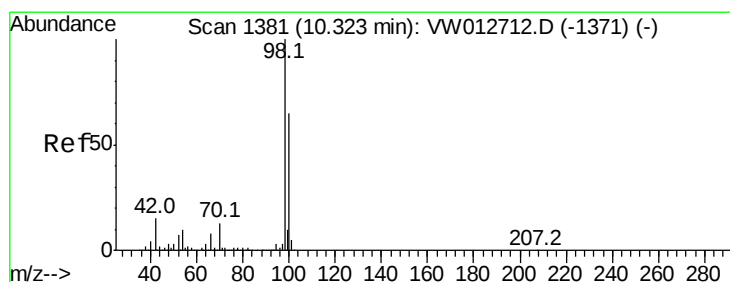
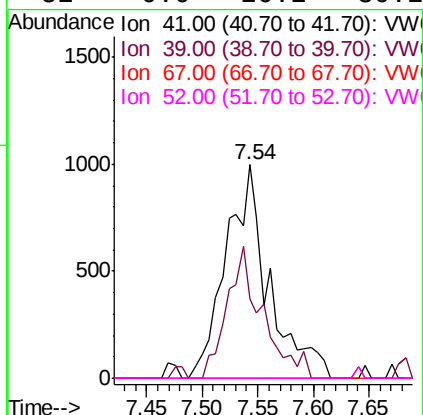
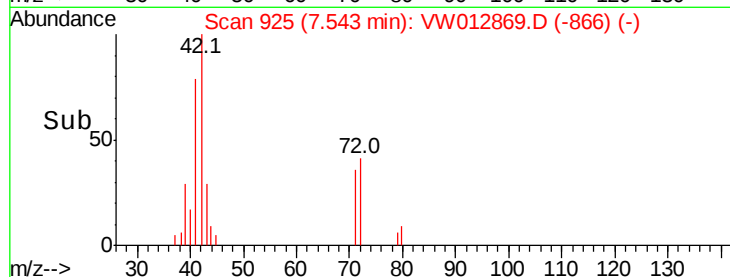
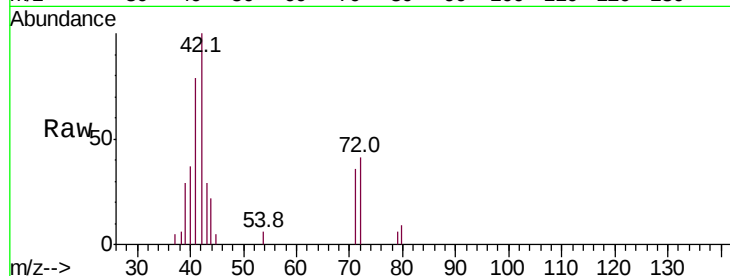




#41
Methacrylonitrile
Concen: 5.678 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW012869.D
Acq: 10 Sep 2019 14:41

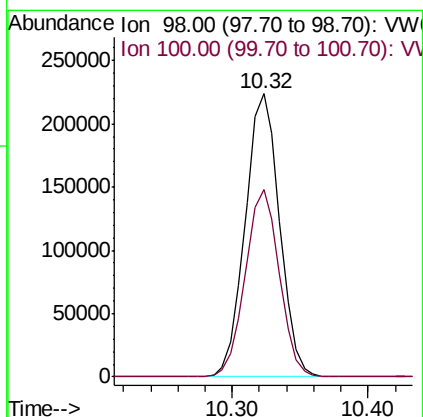
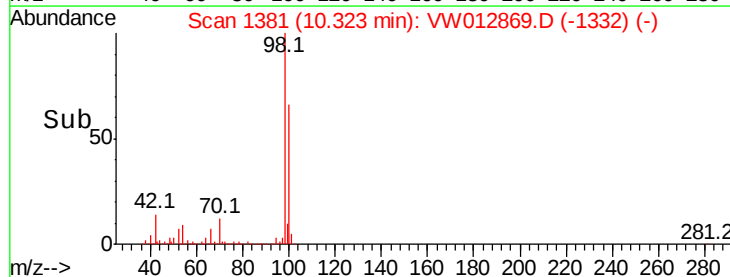
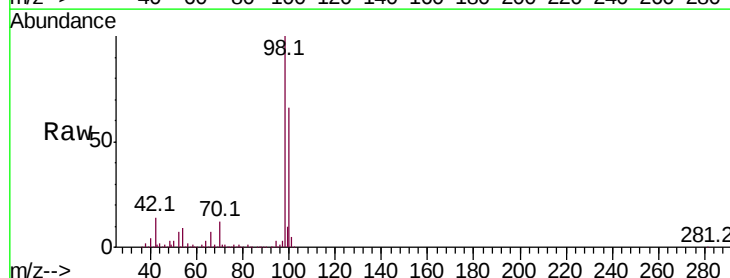
Instrument :
MSVOA_W
ClientSampleId :
T11-D2-(0)

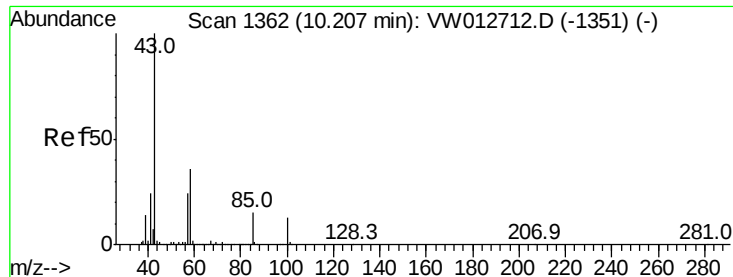
Tot Ion:	41	Resp:	2664
Ion	Ratio	Lower	Upper
41	100		
39	50.5	47.5	71.3
67	0.0	45.1	67.7#
52	0.0	20.2	30.2#



#50
Toluene-d8
Concen: 48.970 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012869.D
Acq: 10 Sep 2019 14:41

Tgt Ion:	98	Resp:	396035
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 1.145 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW012869.D

Acq: 10 Sep 2019 14:41

Instrument :

MSVOA_W

ClientSampleId :

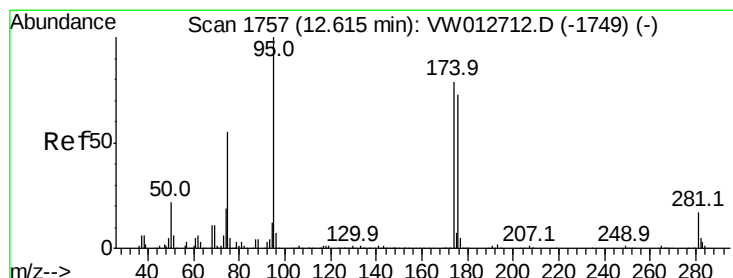
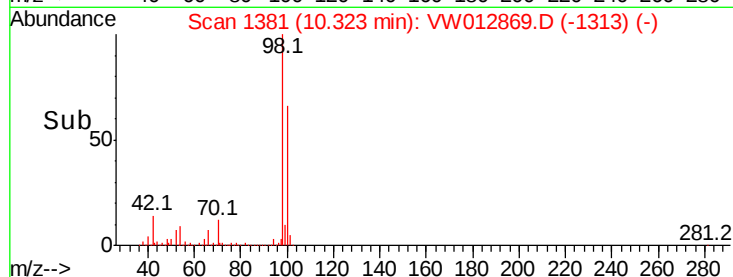
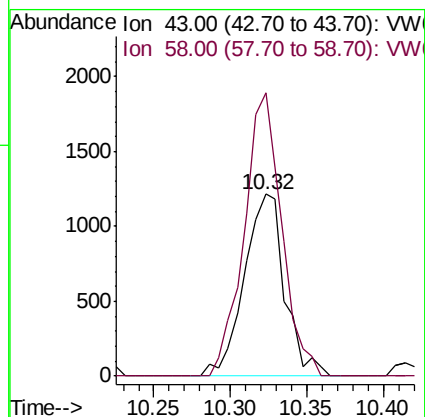
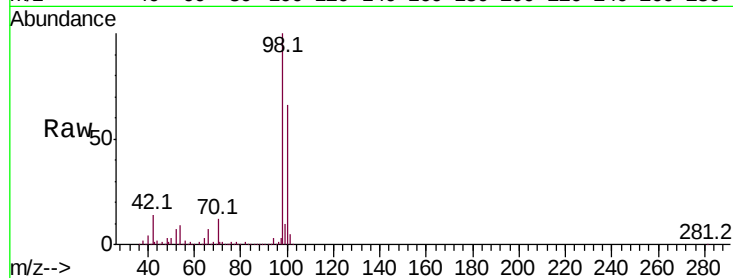
T11-D2-(0)

Tot Ion: 43 Resp: 2239

Ion Ratio Lower Upper

43 100

58 144.1 28.4 42.6#



#62

4-Bromofluorobenzene

Concen: 35.116 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012869.D

Acq: 10 Sep 2019 14:41

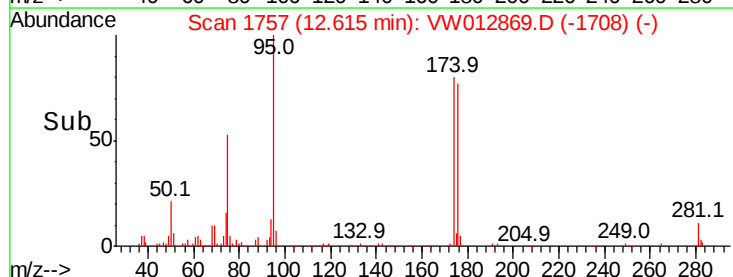
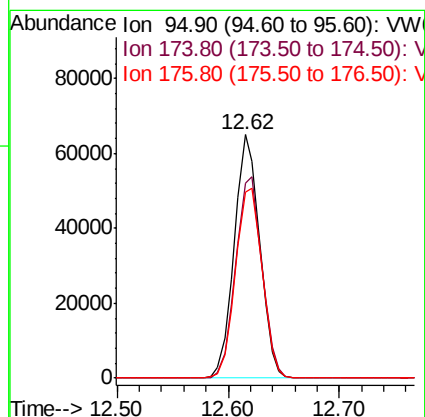
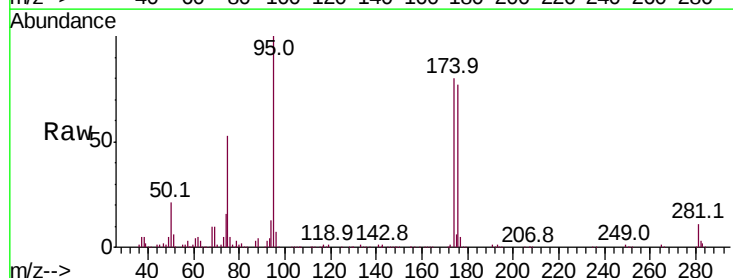
Tgt Ion: 95 Resp: 103100

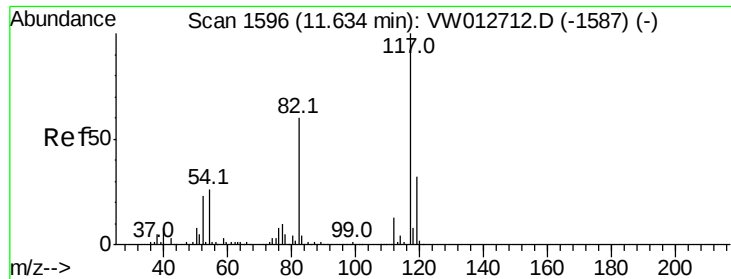
Ion Ratio Lower Upper

95 100

174 85.2 0.0 161.0

176 82.3 0.0 156.4

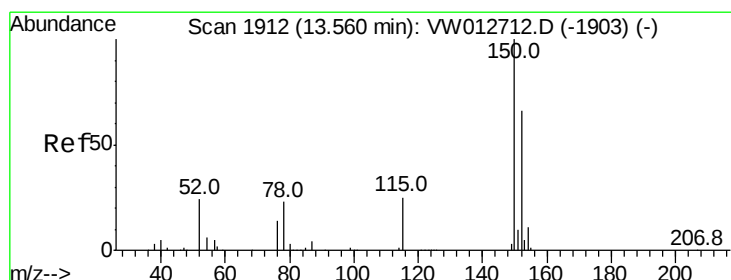
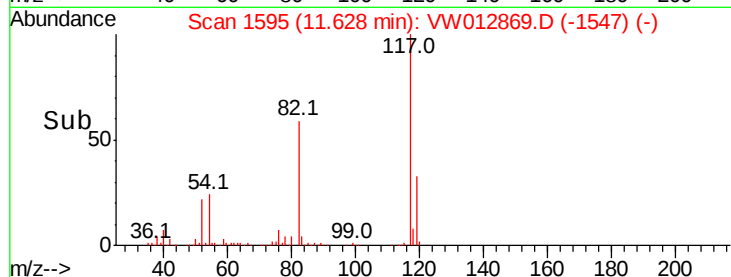
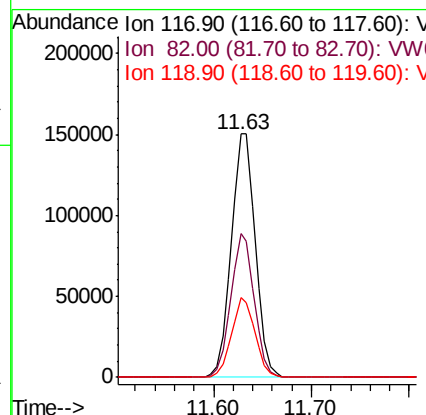
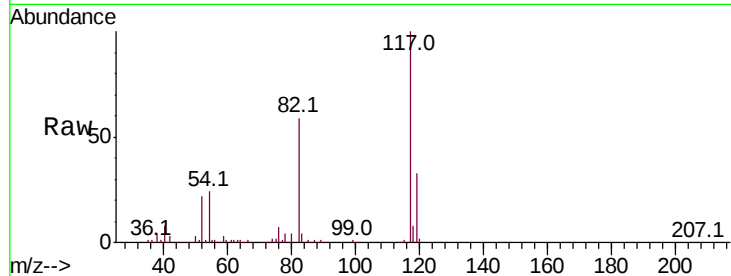




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012869.D
Acq: 10 Sep 2019 14:41

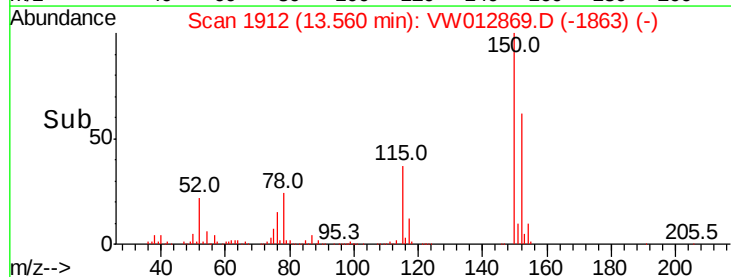
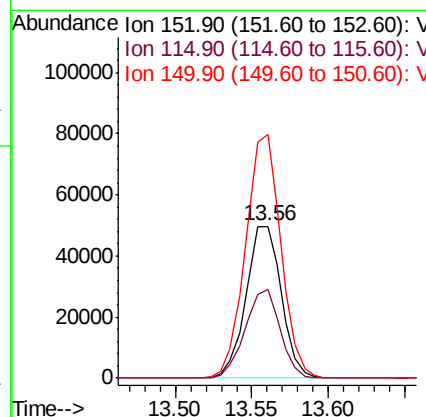
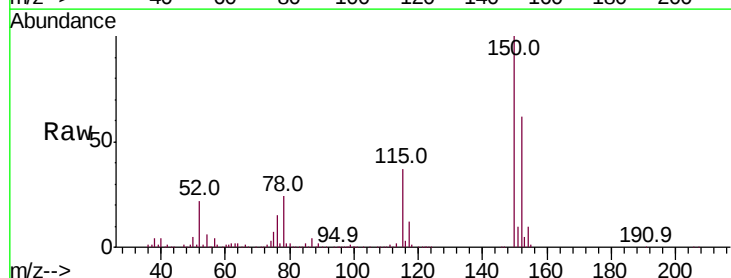
Instrument :
MSVOA_W
ClientSampleId :
T11-D2-(0)

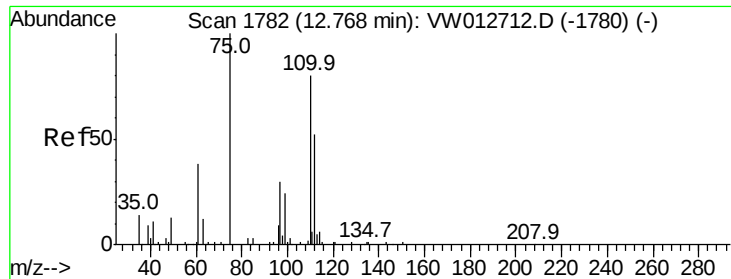
Tot Ion:117 Resp: 256175
Ion Ratio Lower Upper
117 100
82 58.8 48.2 72.4
119 32.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012869.D
Acq: 10 Sep 2019 14:41

Tgt Ion:152 Resp: 79910
Ion Ratio Lower Upper
152 100
115 57.9 30.0 90.1
150 159.8 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 66.489 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012869.D

Acq: 10 Sep 2019 14:41

Instrument :

MSVOA_W

ClientSampleId :

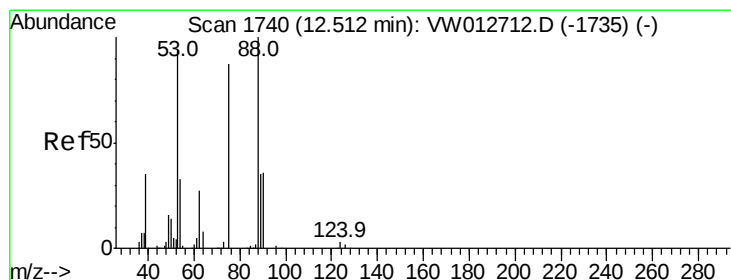
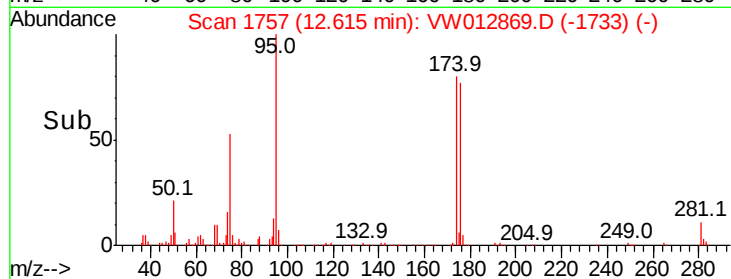
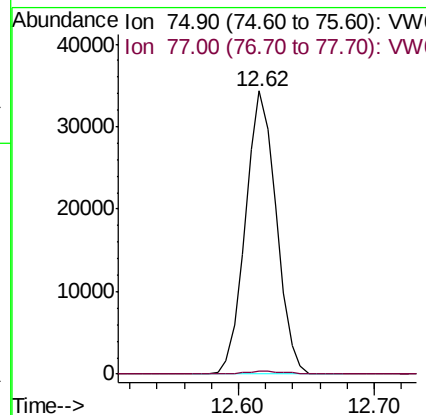
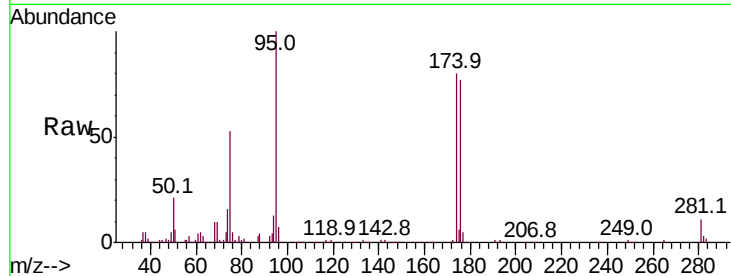
T11-D2-(0)

Tot Ion: 75 Resp: 54329

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 140.628 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012869.D

Acq: 10 Sep 2019 14:41

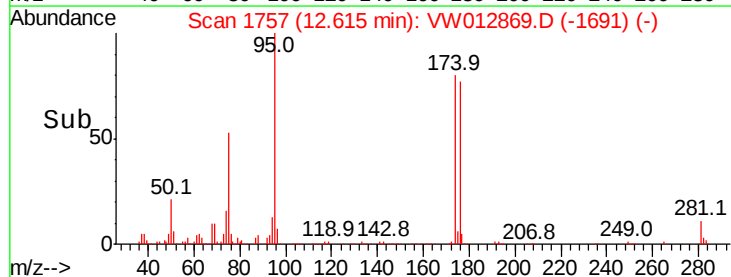
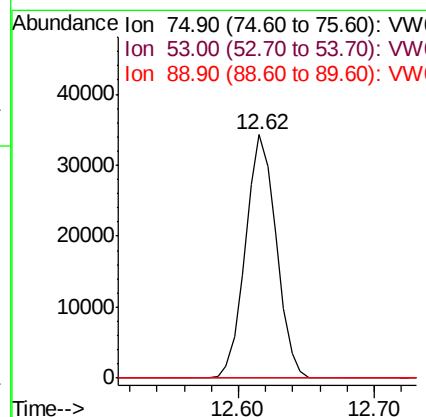
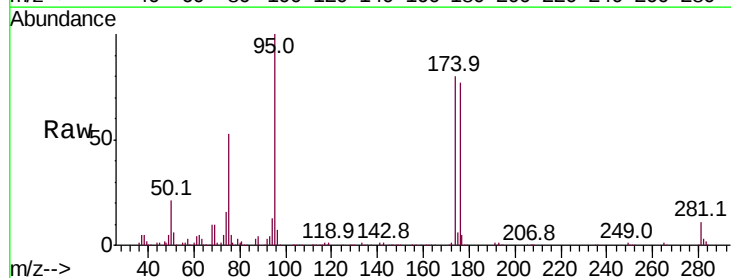
Tgt Ion: 75 Resp: 54329

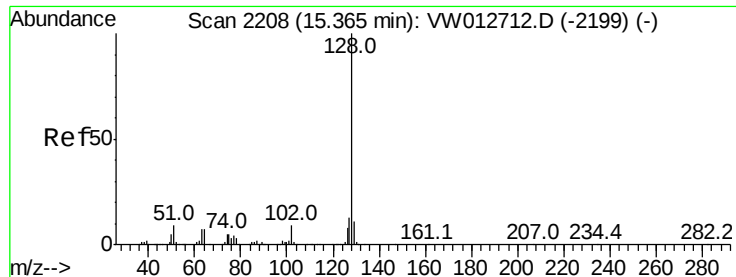
Ion Ratio Lower Upper

75 100

53 0.1 87.6 131.4#

89 0.0 35.5 53.3#





#95

Naphthalene

Concen: 4.629 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012869.D

Acq: 10 Sep 2019 14:41

Instrument :

MSVOA_W

ClientSampleId :

T11-D2-(0)

Tot Ion:128 Resp: 700

Ion Ratio Lower Upper

128 100

127 10.9 10.7 16.1

129 17.4 8.7 13.1#

