

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081619\
 Data File : VW011935.D
 Acq On : 15 Aug 2019 18:18
 Operator : SY/VA
 Sample : K4377-03
 Misc : 5.97G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-29

Quant Time: Aug 16 04:35:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	196889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	332779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	283603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	114002	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	134353	59.43	ug/l	0.00
Spiked Amount			Recovery	=	118.86%	
35) Dibromofluoromethane	7.88	113	103815	55.61	ug/l	0.00
Spiked Amount			Recovery	=	111.22%	
50) Toluene-d8	10.32	98	410972	53.77	ug/l	0.00
Spiked Amount			Recovery	=	107.54%	
62) 4-Bromofluorobenzene	12.62	95	132354	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	

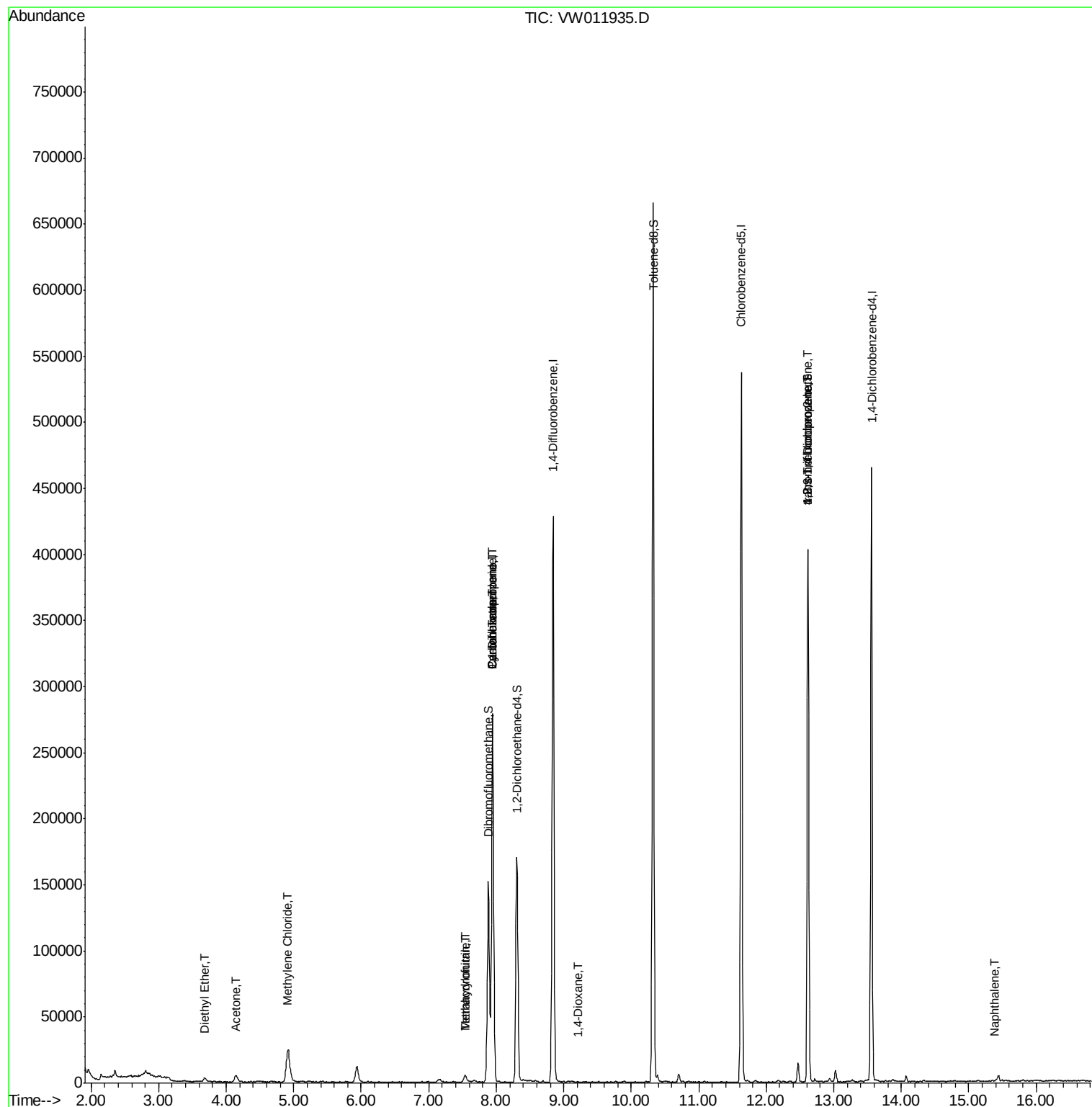
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1470	1.266	ug/l	73
11) Tert butyl alcohol	5.21	59	323	Below Cal	#	72
16) Acetone	4.14	43	11331	15.756	ug/l #	87
20) Methylene Chloride	4.91	84	19383	7.815	ug/l	98
29) Tetrahydrofuran	7.53	42	5247	9.754	ug/l	96
31) Cyclohexane	7.95	56	5016	1.187	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16814	4.859	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20041	6.765	ug/l #	18
41) Methacrylonitrile	7.54	41	3197	2.686	ug/l #	55
49) 1,4-Dioxane	9.21	88	23	1.342	ug/l #	9
76) 1,2,3-Trichloropropane	12.62	75	70115	58.125	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70115	133.959	ug/l #	6
95) Naphthalene	15.37	128	450	2.162	ug/l #	75

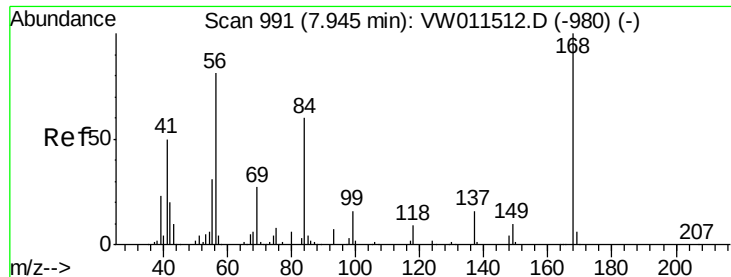
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011935.D

Acq: 15 Aug 2019 18:18

Instrument :

MSVOA_W

ClientSampled :

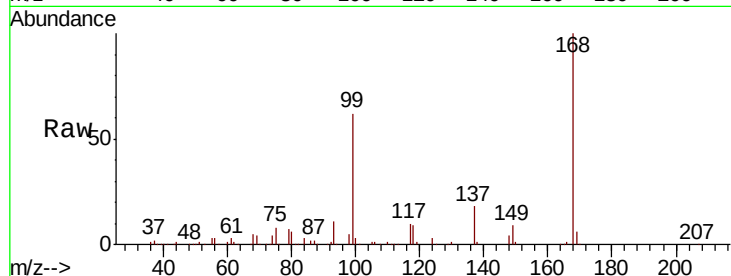
RBR-29

Tgt Ion:168 Resp: 196889

Ion Ratio Lower Upper

168 100

99 61.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

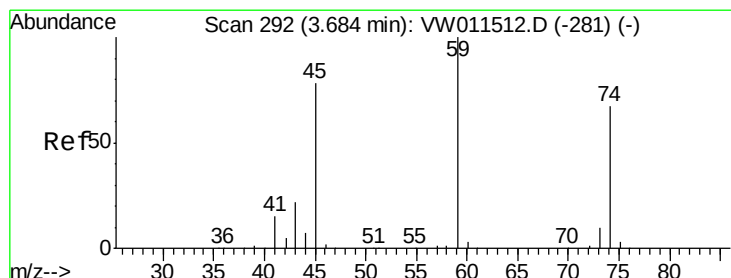
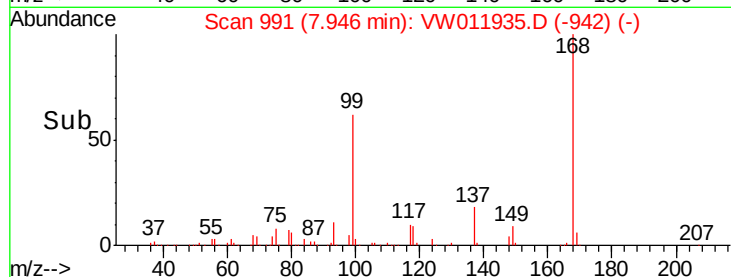
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.266 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VW011935.D

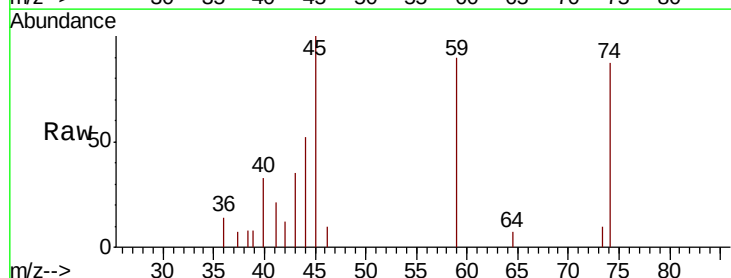
Acq: 15 Aug 2019 18:18

Tgt Ion: 74 Resp: 1470

Ion Ratio Lower Upper

74 100

45 149.6 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

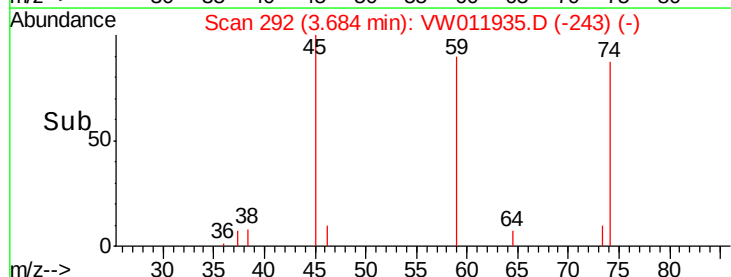
600

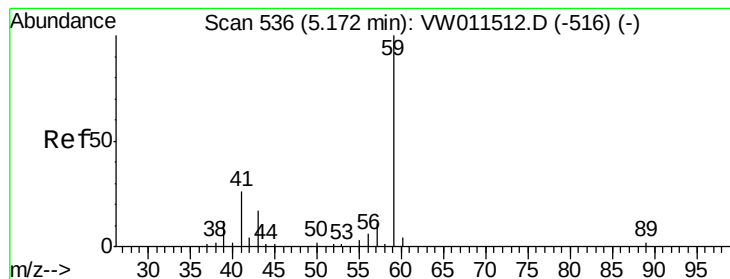
400

200

0

Time--> 3.60 3.65 3.70 3.75



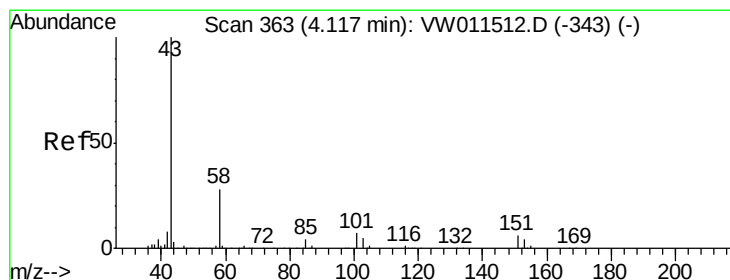
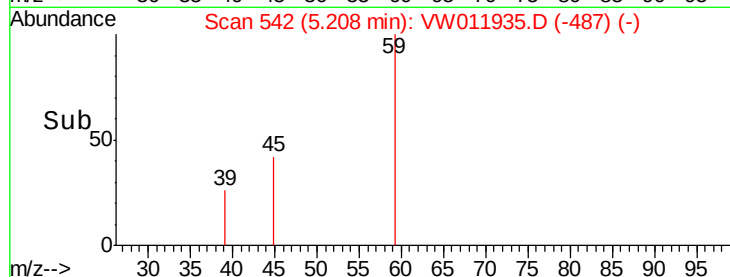
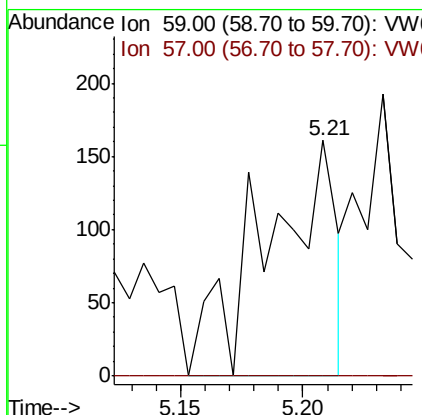
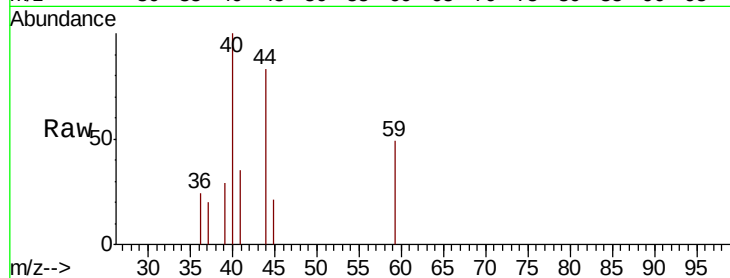


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 542
 Delta R.T. 0.04 min
 Lab File: VW011935.D
 Acq: 15 Aug 2019 18:18

Instrument :
 MSVOA_W
 ClientSampled :
 RBR-29

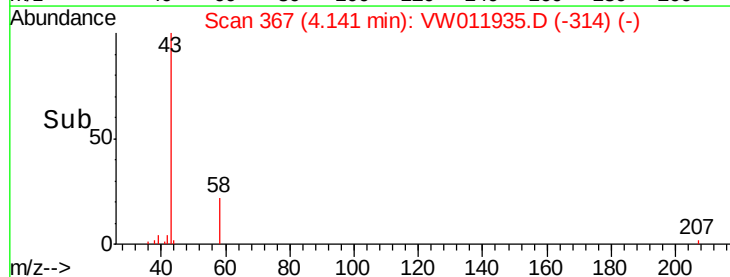
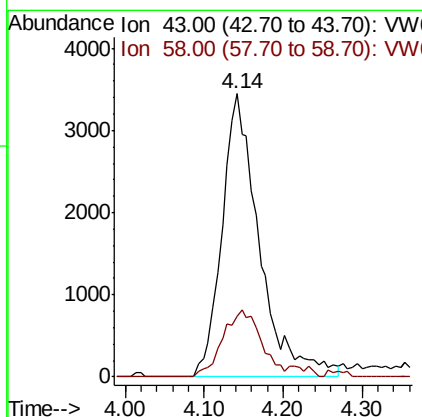
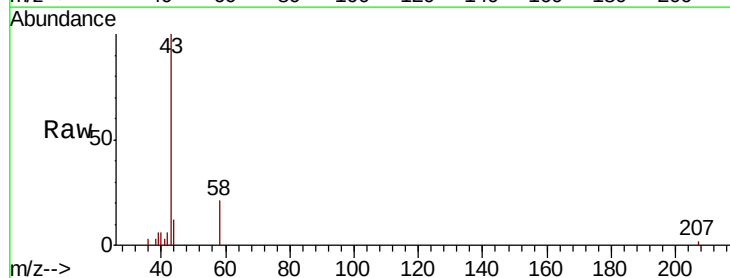
Tgt Ion: 59 Resp: 323
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

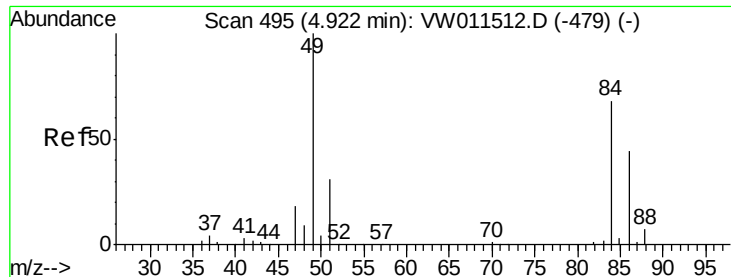


#16

Acetone
 Concen: 15.756 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. 0.02 min
 Lab File: VW011935.D
 Acq: 15 Aug 2019 18:18

Tgt Ion: 43 Resp: 11331
 Ion Ratio Lower Upper
 43 100
 58 21.3 22.3 33.5#

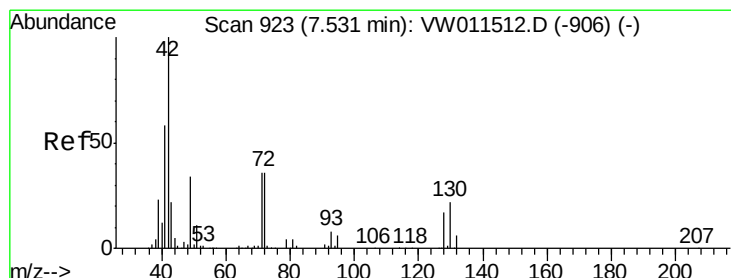
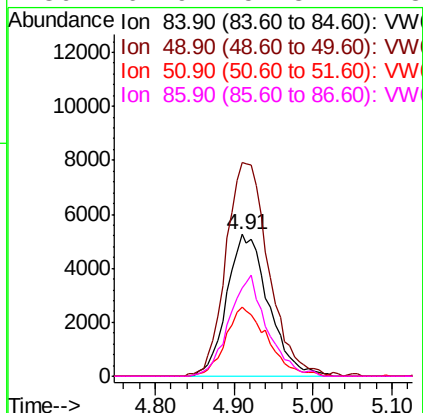
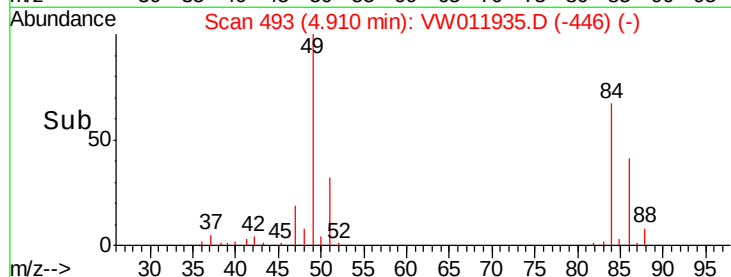
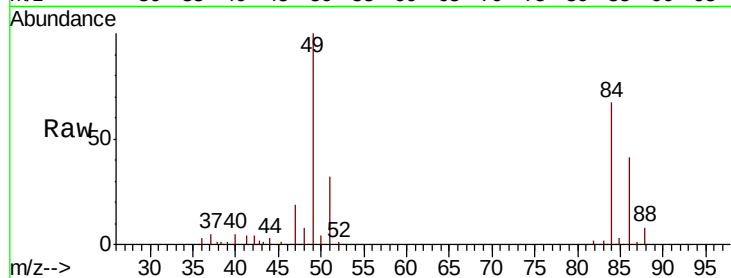




#20
Methylene Chloride
Concen: 7.815 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011935.D
Acq: 15 Aug 2019 18:18

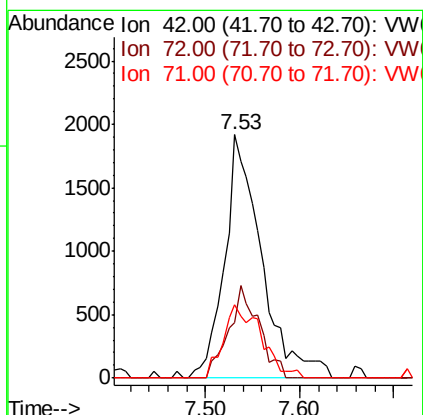
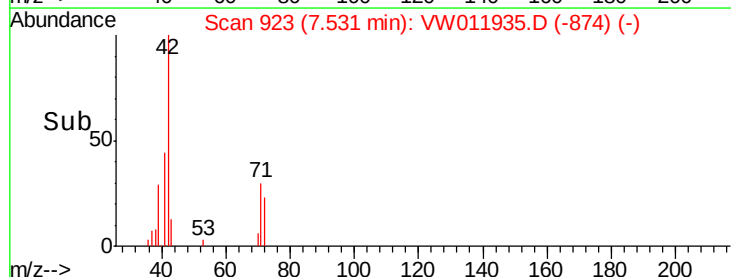
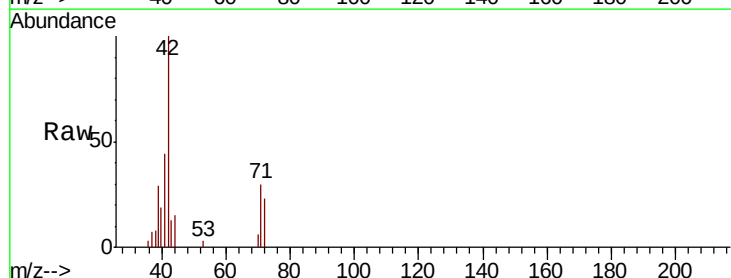
Instrument :
MSVOA_W
ClientSampleId :
RBR-29

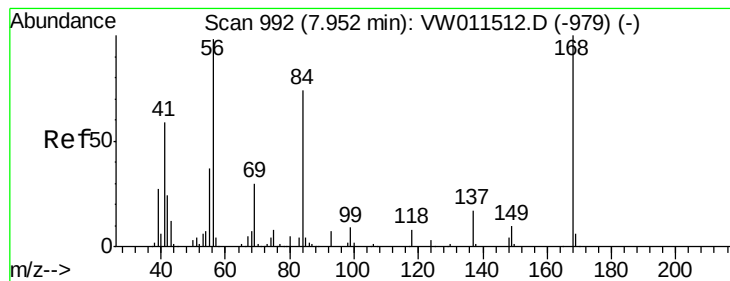
Tgt Ion:	84	Resp:	19383
Ion	Ratio	Lower	Upper
84	100		
49	149.0	117.8	176.6
51	48.6	37.0	55.4
86	61.9	51.8	77.8



#29
Tetrahydrofuran
Concen: 9.754 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW011935.D
Acq: 15 Aug 2019 18:18

Tgt Ion:	42	Resp:	5247
Ion	Ratio	Lower	Upper
42	100		
72	31.0	27.1	40.7
71	30.7	26.2	39.4





#31

Cyclohexane

Concen: 1.187 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011935.D

Acq: 15 Aug 2019 18:18

Instrument :

MSVOA_W

ClientSampled :

RBR-29

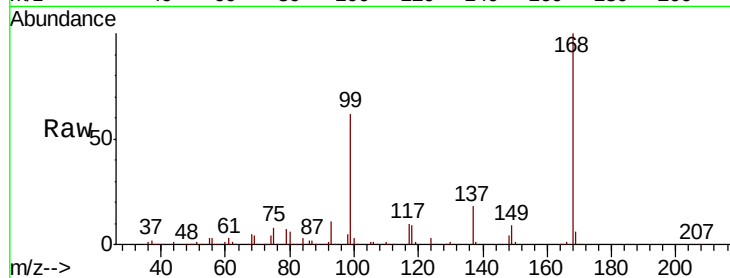
Tgt Ion: 56 Resp: 5016

Ion Ratio Lower Upper

56 100

69 152.6 24.3 36.5#

84 123.5 60.4 90.6#

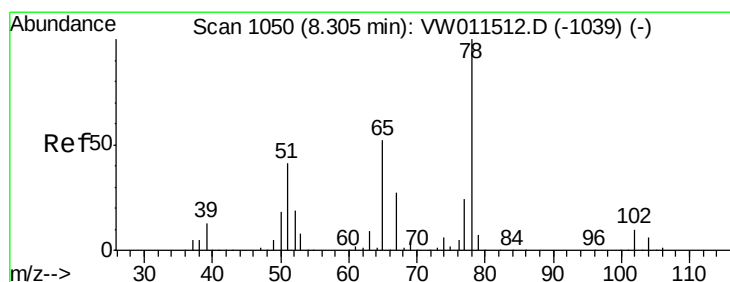
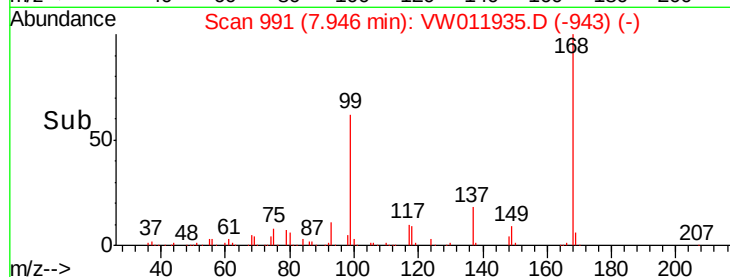
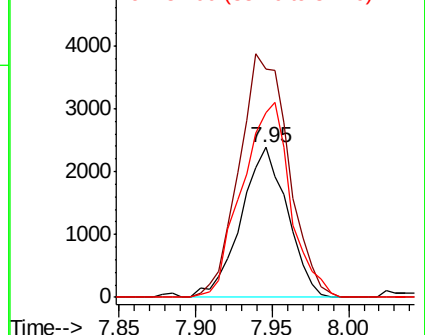


Abundance

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: 59.426 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011935.D

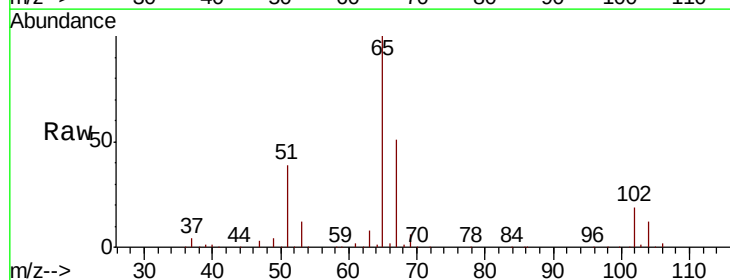
Acq: 15 Aug 2019 18:18

Tgt Ion: 65 Resp: 134353

Ion Ratio Lower Upper

65 100

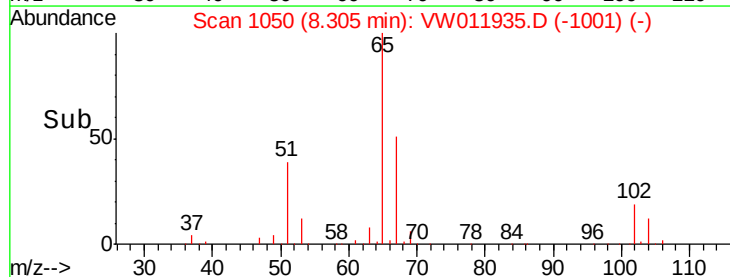
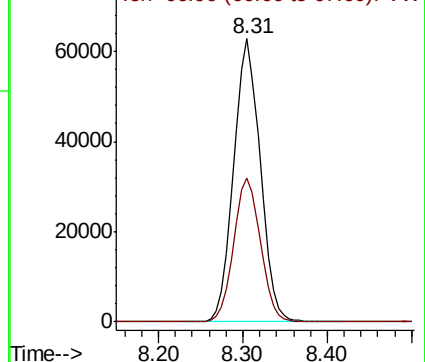
67 51.0 0.0 105.2

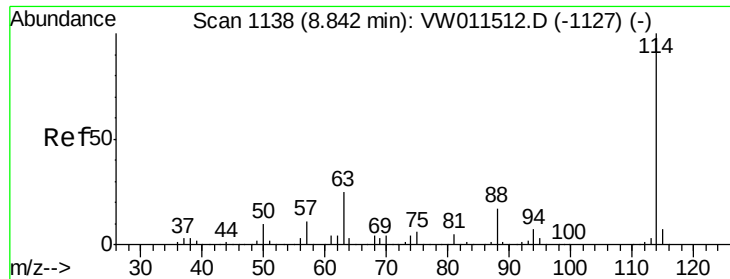


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

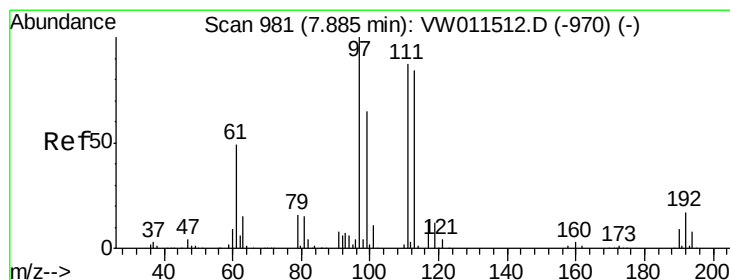
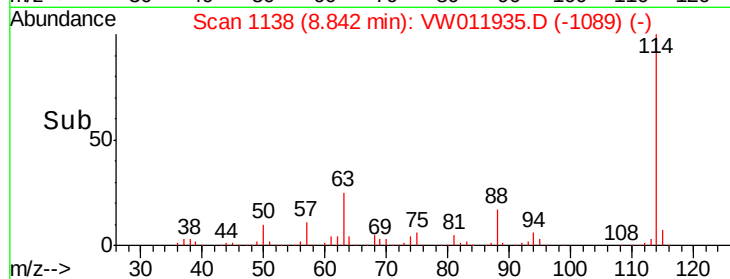
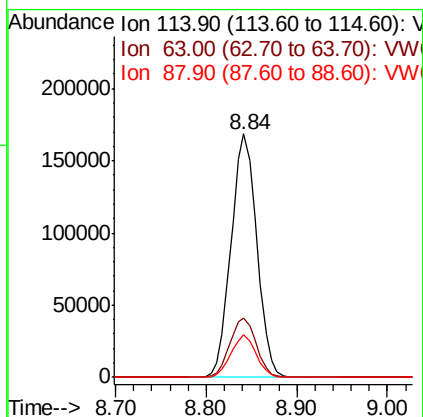
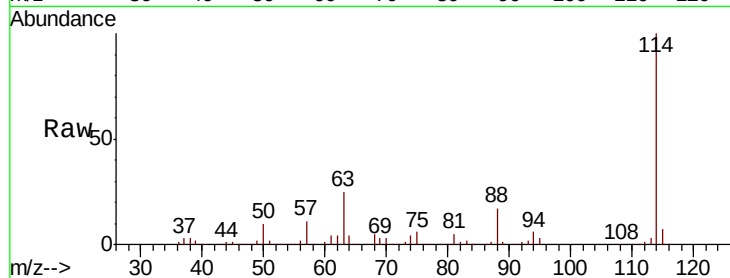




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011935.D
 Acq: 15 Aug 2019 18:18

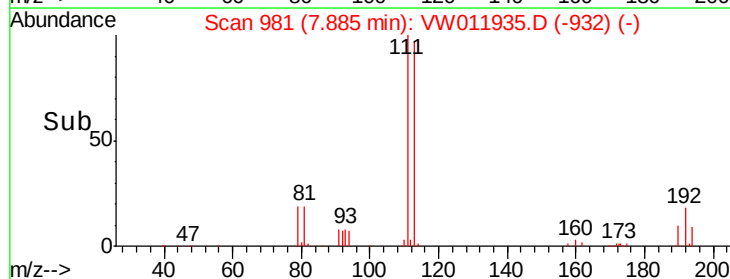
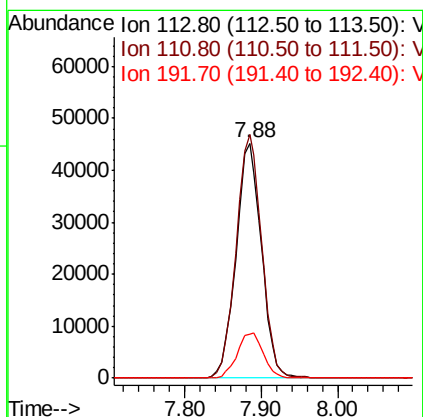
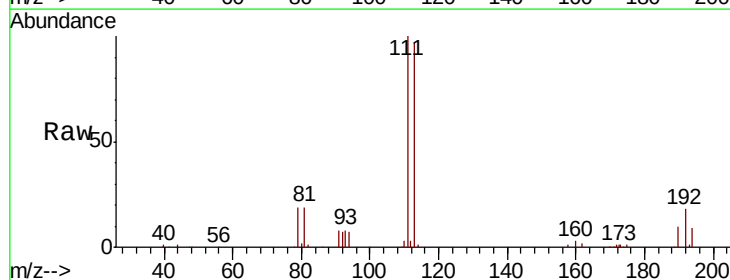
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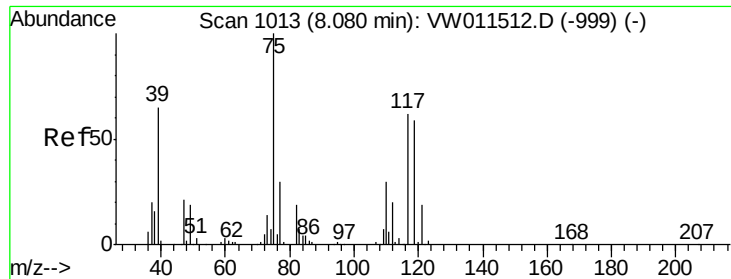
Tgt Ion:114 Resp: 332779
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 17.3 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 55.607 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011935.D
 Acq: 15 Aug 2019 18:18

Tgt Ion:113 Resp: 103815
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.7 124.1
 192 19.8 16.1 24.1

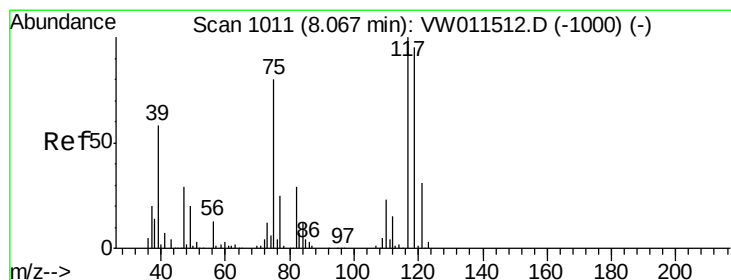
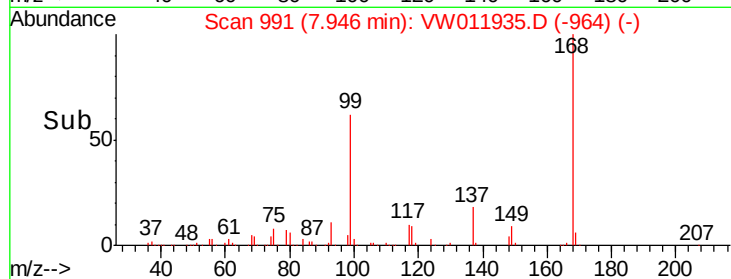
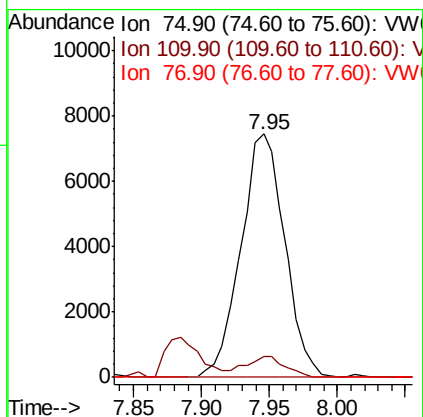
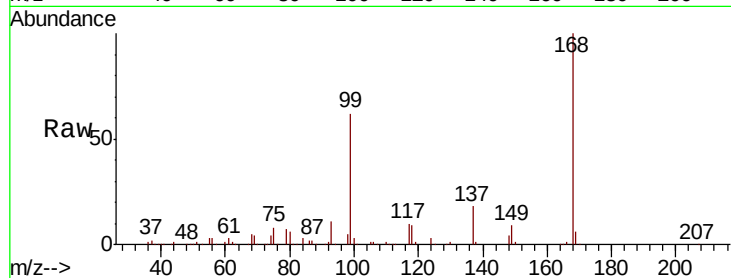




#36
 1,1-Dichloropropene
 Concen: 4.859 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011935.D
 Acq: 15 Aug 2019 18:18

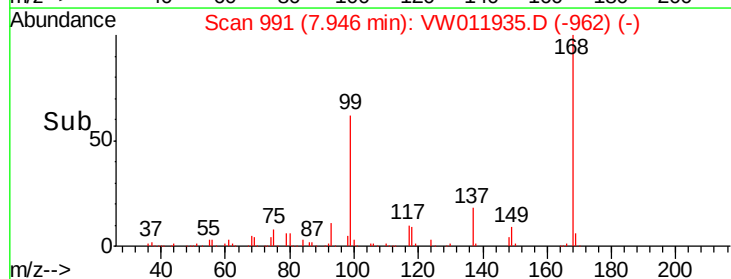
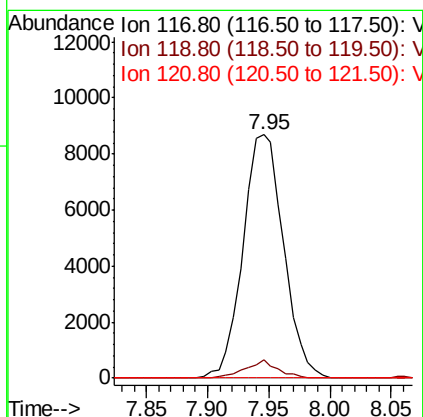
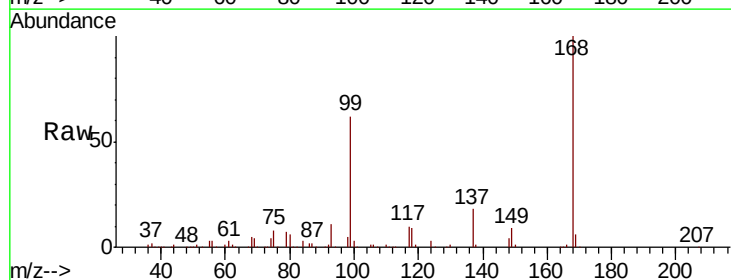
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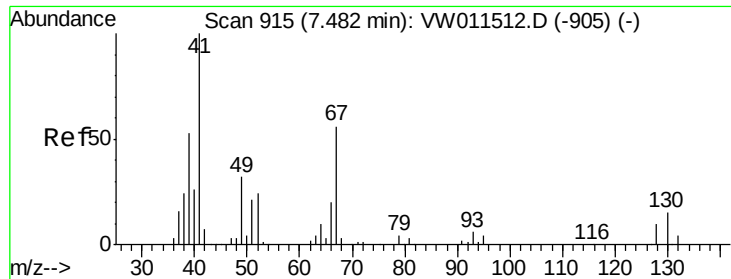
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.765 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011935.D
 Acq: 15 Aug 2019 18:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.4	75.8	113.6#
121	0.0	24.7	37.1#

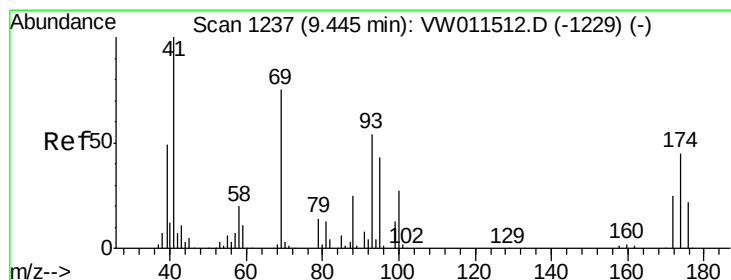
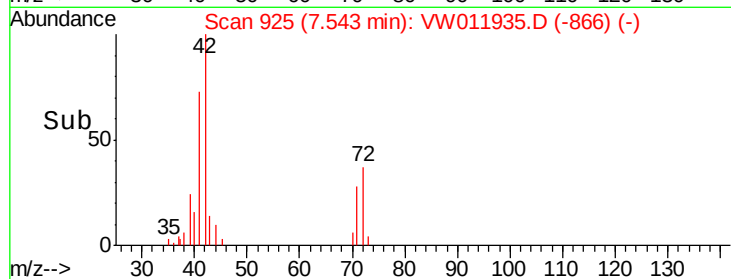
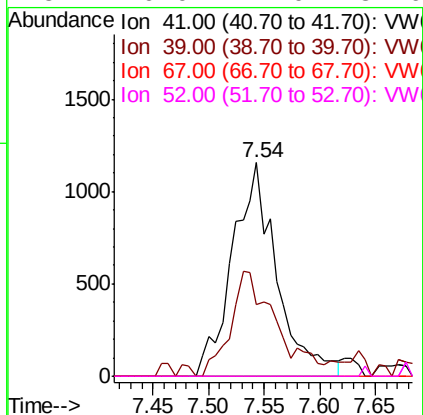
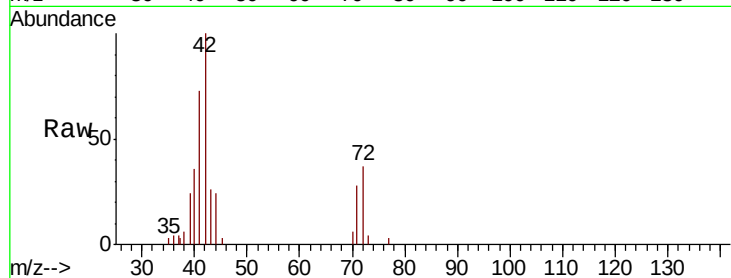




#41
Methacrylonitrile
Concen: 2.686 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW011935.D
Acq: 15 Aug 2019 18:18

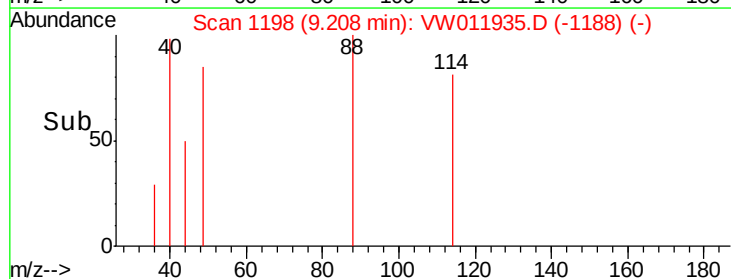
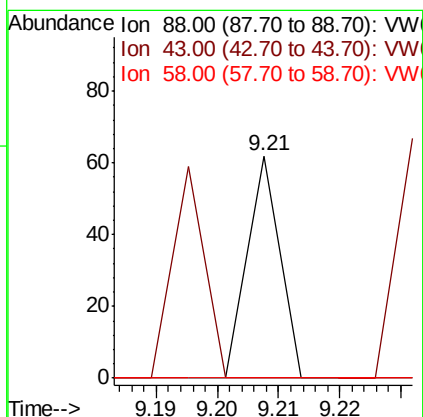
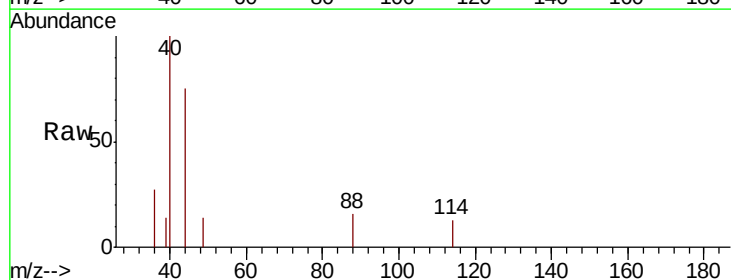
Instrument :
MSVOA_W
ClientSampled :
RBR-29

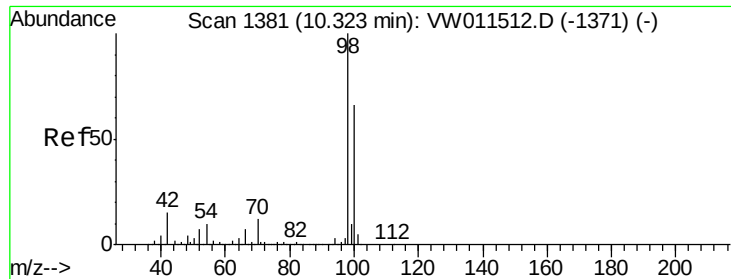
Tgt Ion:	41	Resp:	3197
Ion	Ratio	Lower	Upper
41	100		
39	50.5	43.0	64.4
67	0.0	47.5	71.3#
52	0.0	21.0	31.6#



#49
1,4-Dioxane
Concen: 1.342 ug/l
RT: 9.21 min Scan# 1198
Delta R.T. -0.24 min
Lab File: VW011935.D
Acq: 15 Aug 2019 18:18

Tgt Ion:	88	Resp:	23
Ion	Ratio	Lower	Upper
88	100		
43	95.7	34.0	51.0#
58	0.0	69.7	104.5#

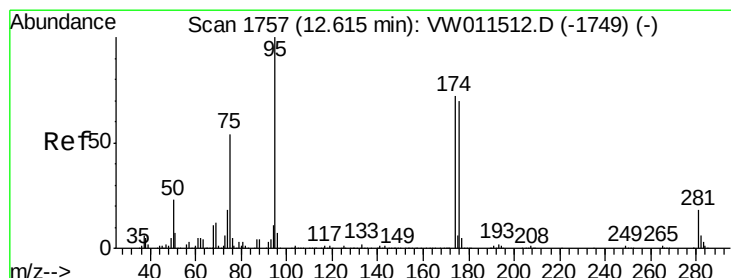
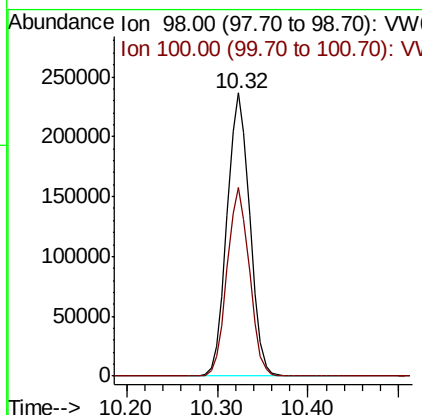
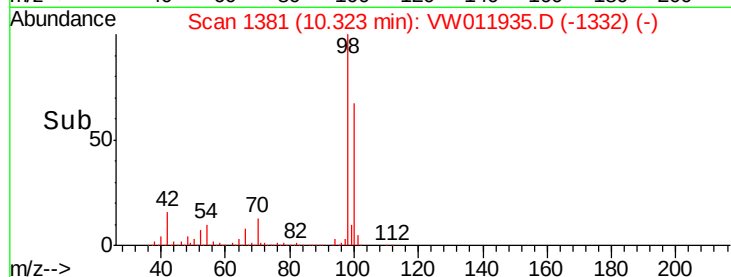
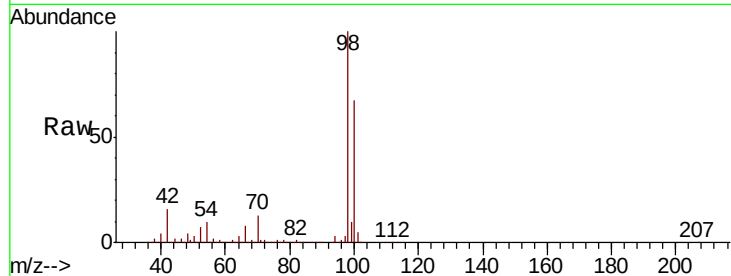




#50
Toluene-d8
Concen: 53.765 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011935.D
Acq: 15 Aug 2019 18:18

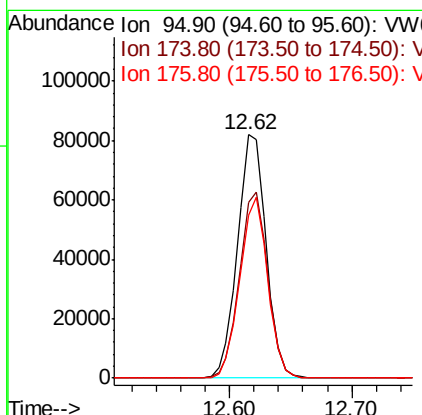
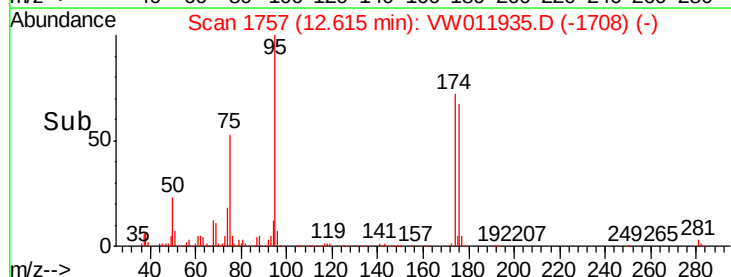
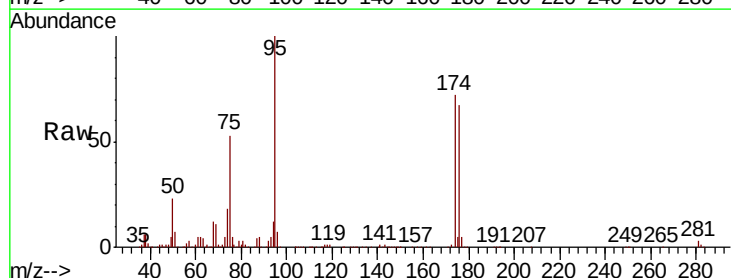
Instrument :
MSVOA_W
ClientSampled :
RBR-29

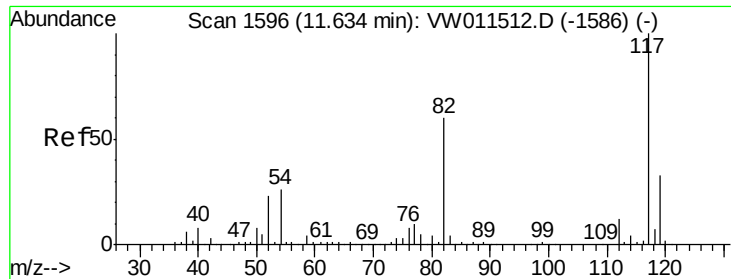
Tgt Ion: 98 Resp: 410972
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 48.567 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW011935.D
Acq: 15 Aug 2019 18:18

Tgt Ion: 95 Resp: 132354
Ion Ratio Lower Upper
95 100
174 76.1 0.0 150.2
176 72.6 0.0 144.4

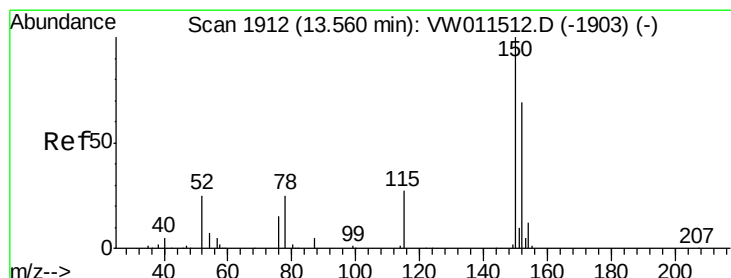
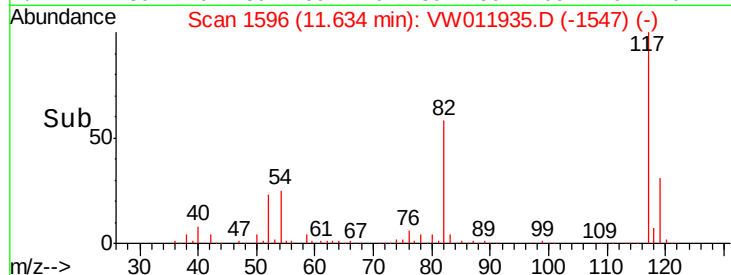
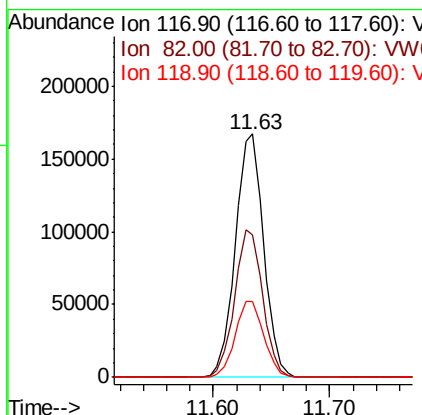
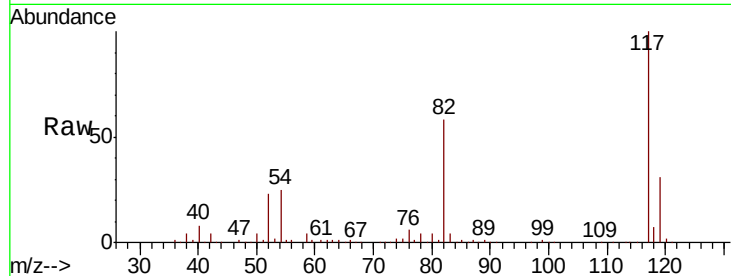




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011935.D
Acq: 15 Aug 2019 18:18

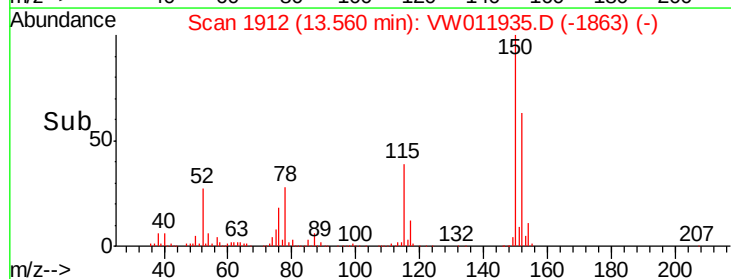
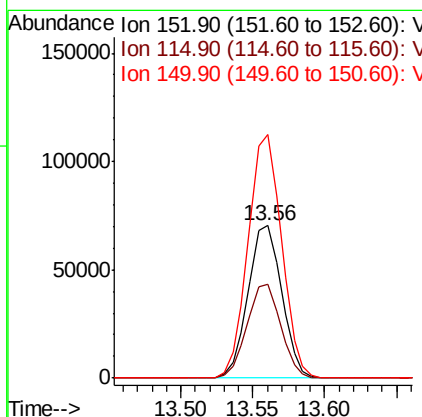
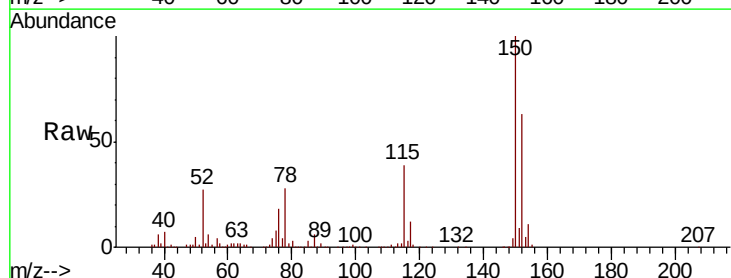
Instrument :
MSVOA_W
ClientSampled :
RBR-29

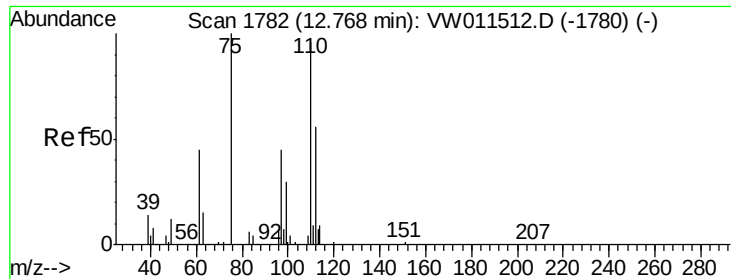
Tgt Ion:117 Resp: 283603
Ion Ratio Lower Upper
117 100
82 58.5 47.9 71.9
119 31.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011935.D
Acq: 15 Aug 2019 18:18

Tgt Ion:152 Resp: 114002
Ion Ratio Lower Upper
152 100
115 61.9 30.5 91.5
150 158.6 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 58.125 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011935.D

Acq: 15 Aug 2019 18:18

Instrument :

MSVOA_W

ClientSampleId :

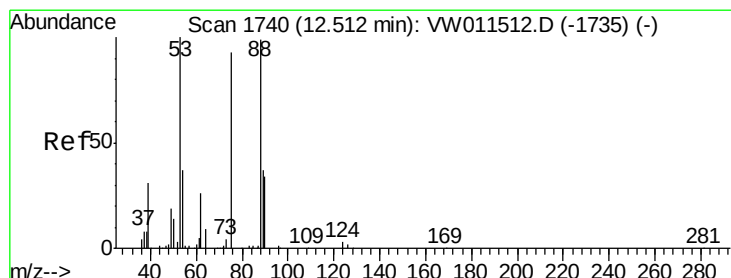
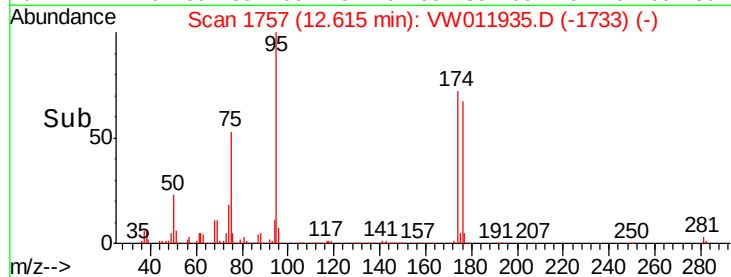
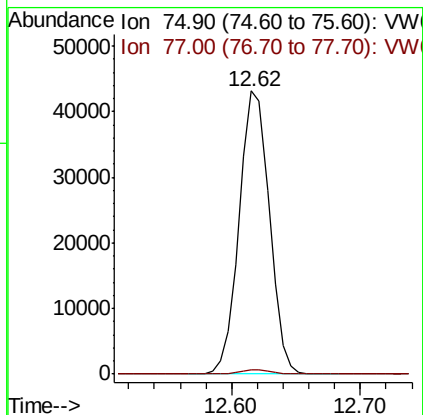
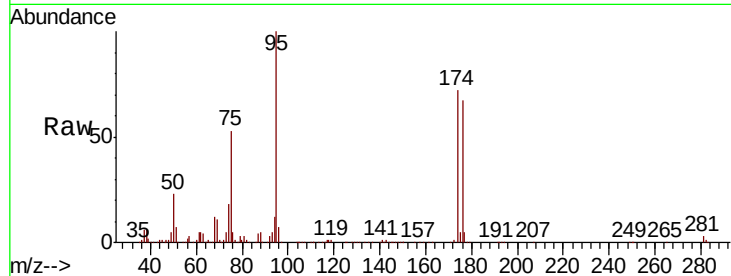
RBR-29

Tgt Ion: 75 Resp: 70115

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 133.959 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011935.D

Acq: 15 Aug 2019 18:18

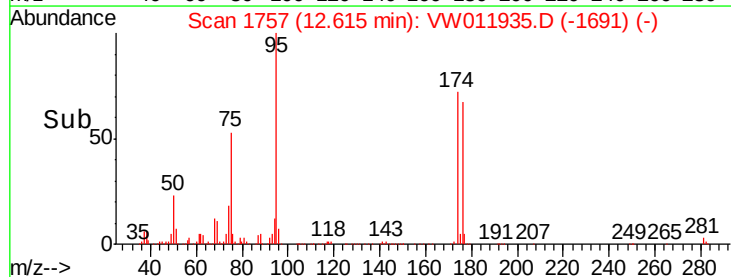
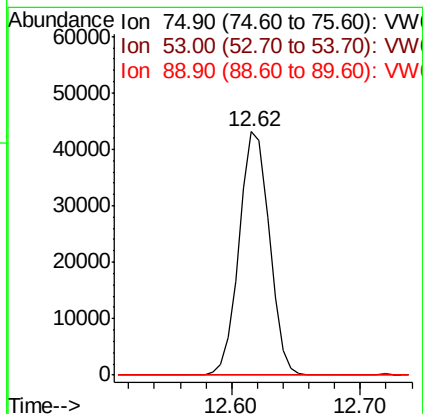
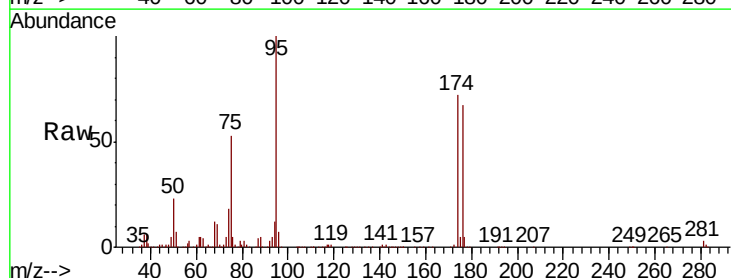
Tgt Ion: 75 Resp: 70115

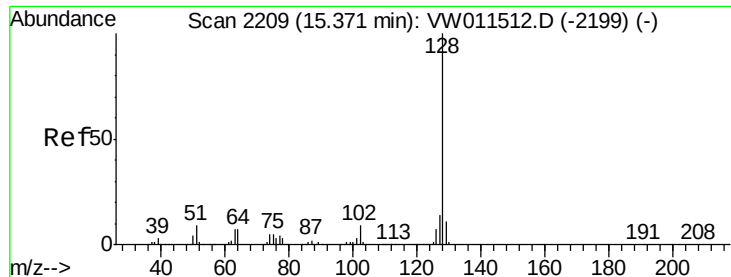
Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 2.162 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011935.D
Acq: 15 Aug 2019 18:18

Instrument :
MSVOA_W
ClientSampleId :
RBR-29

Tgt Ion	Ratio	Lower	Upper
128	100		
127	4.7	10.6	16.0#
129	0.0	8.6	13.0#

