

Data File : VW012729.D
Acq On : 07 Sep 2019 19:29
Operator : SY/VA
Sample : K4554-24
Misc : 6.28G/5ML/MSVOA_W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-11-(13-15)

Quant Time: Sep 08 05:13:55 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	232329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	318720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	300075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	126561	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	140871	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	
35) Dibromofluoromethane	7.88	113	102320	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	
50) Toluene-d8	10.32	98	427704	57.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.22%	
62) 4-Bromofluorobenzene	12.62	95	136022	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	

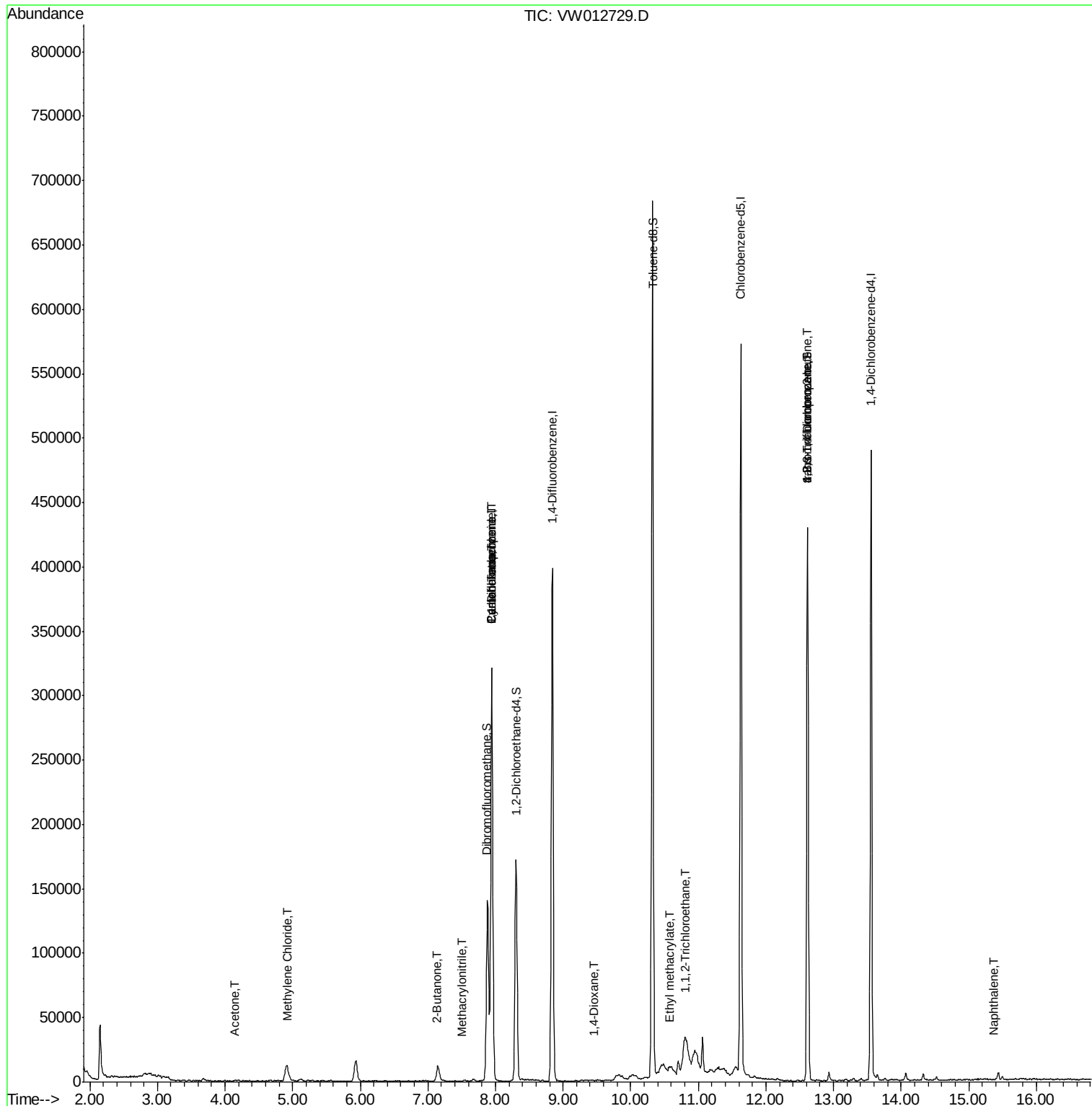
Target Compounds				Qvalue		
16) Acetone	4.14	43	997	1.409	ug/l #	87
20) Methylene Chloride	4.92	84	9468	4.276	ug/l	93
25) 2-Butanone	7.13	43	676	20.278	ug/l #	53
31) Cyclohexane	7.95	56	5458	1.430	ug/l #	13
36) 1,1-Dichloropropene	7.95	75	19422	6.858	ug/l #	50
38) Carbon Tetrachloride	7.95	117	23002	8.240	ug/l #	16
41) Methacrylonitrile	7.50	41	83	3.901	ug/l #	27
49) 1,4-Dioxane	9.46	88	28	1.374	ug/l #	1
55) 1,1,2-Trichloroethane	10.81	97	3919	2.537	ug/l #	15
56) Ethyl methacrylate	10.58	69	2318	1.025	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	74012	57.190	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74012	120.961	ug/l #	7
95) Naphthalene	15.36	128	137	4.463	ug/l #	69

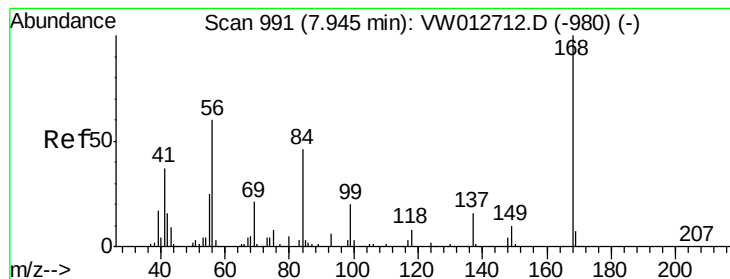
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012729.D

Acq: 07 Sep 2019 19:29

Instrument :

MSVOA_W

ClientSampleId :

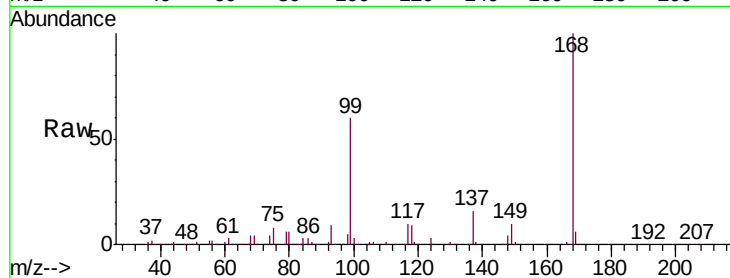
SB-11-(13-15)

Tgt Ion:168 Resp: 232329

Ion Ratio Lower Upper

168 100

99 59.8 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

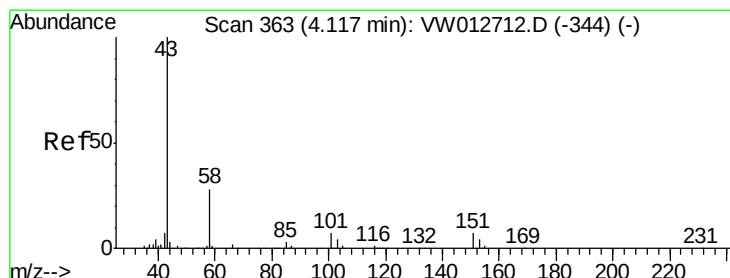
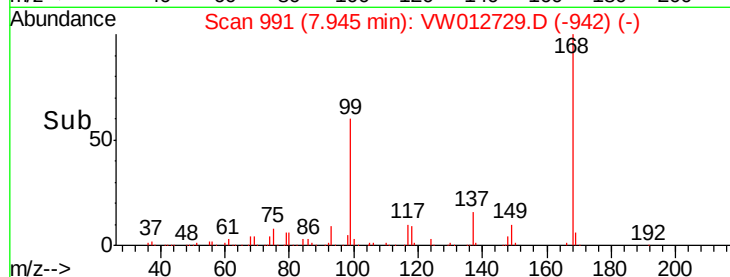
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 1.409 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012729.D

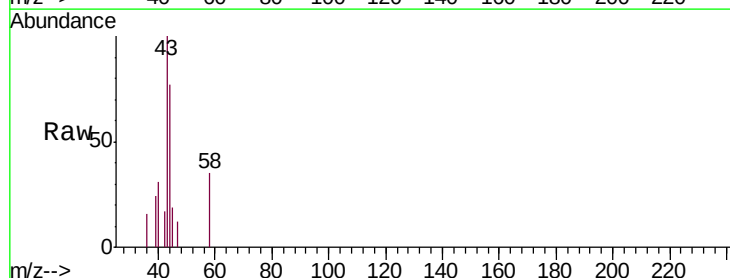
Acq: 07 Sep 2019 19:29

Tgt Ion: 43 Resp: 997

Ion Ratio Lower Upper

43 100

58 34.8 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

500

400

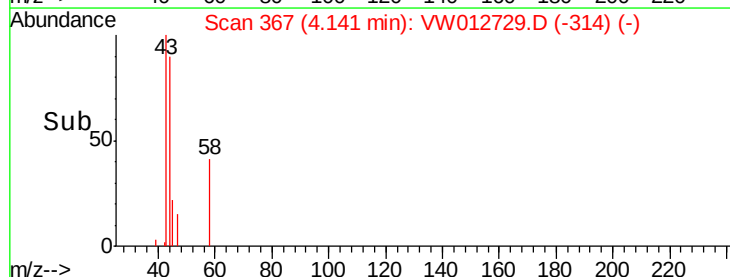
300

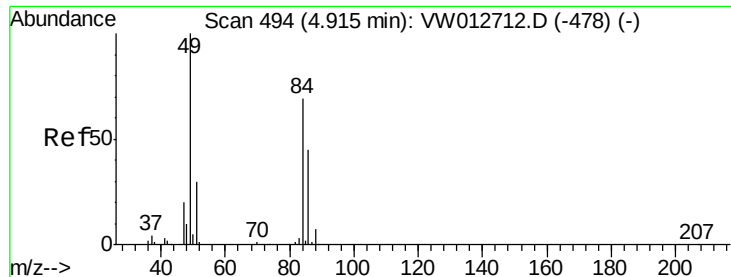
200

100

0

Time--> 4.10 4.15

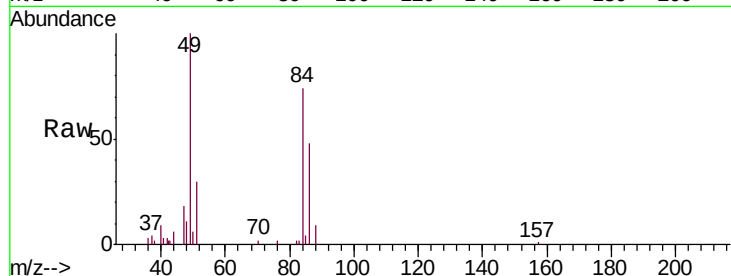




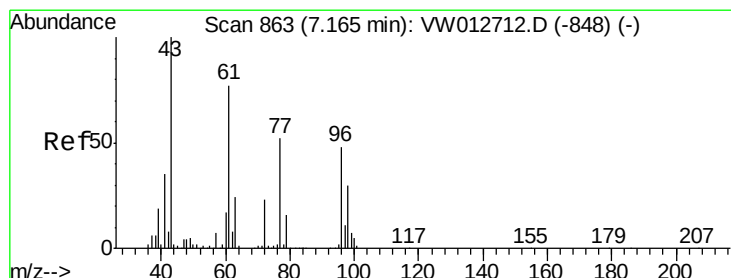
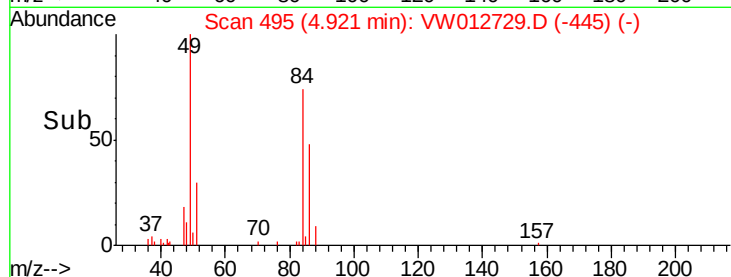
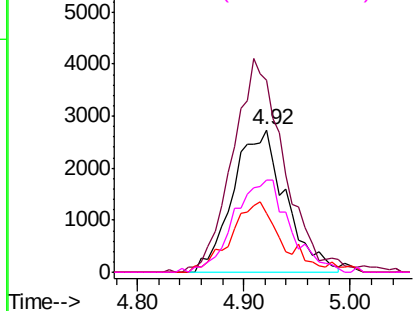
#20
Methylene Chloride
Concen: 4.276 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW012729.D
Acq: 07 Sep 2019 19:29

Instrument :
MSVOA_W
ClientSampled :
SB-11-(13-15)

Tgt Ion: 84 Resp: 9468
Ion Ratio Lower Upper
84 100
49 130.7 115.4 173.0
51 40.9 34.9 52.3
86 64.6 52.2 78.4

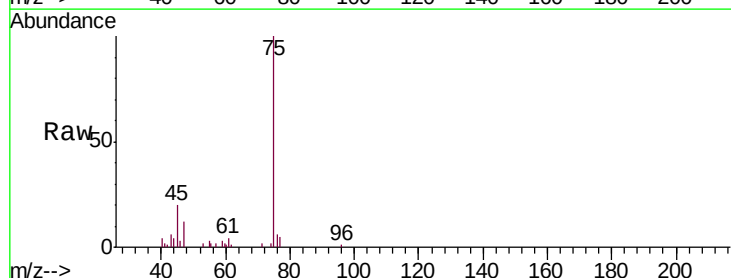


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

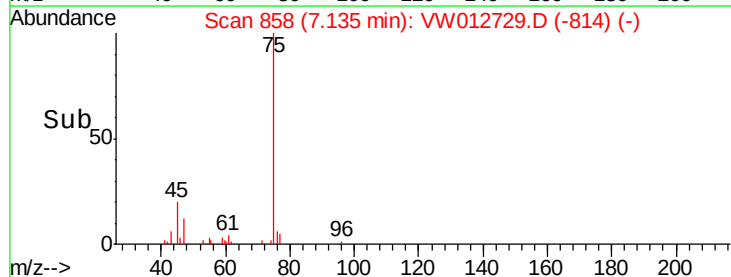
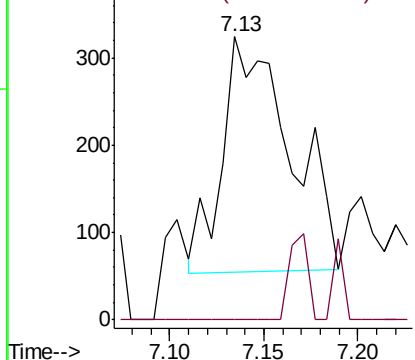


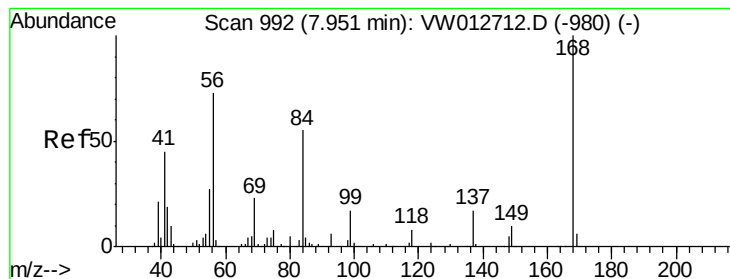
#25
2-Butanone
Concen: 20.278 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.03 min
Lab File: VW012729.D
Acq: 07 Sep 2019 19:29

Tgt Ion: 43 Resp: 676
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





#31

Cyclohexane

Concen: 1.430 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW012729.D

Acq: 07 Sep 2019 19:29

Instrument :

MSVOA_W

ClientSampleId :

SB-11-(13-15)

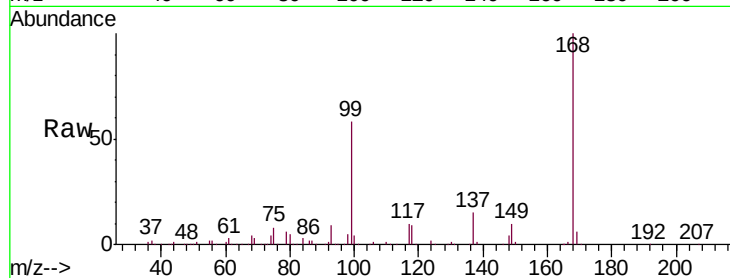
Tgt Ion: 56 Resp: 5458

Ion Ratio Lower Upper

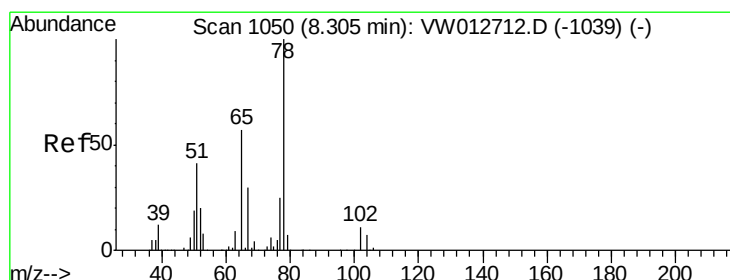
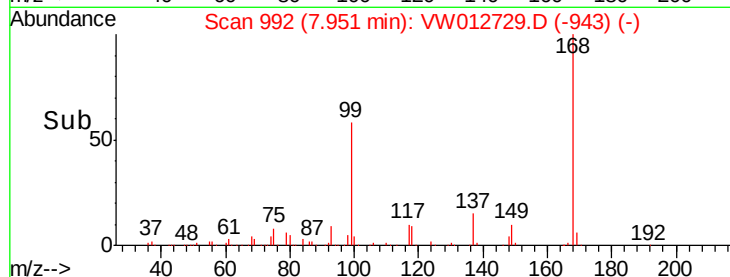
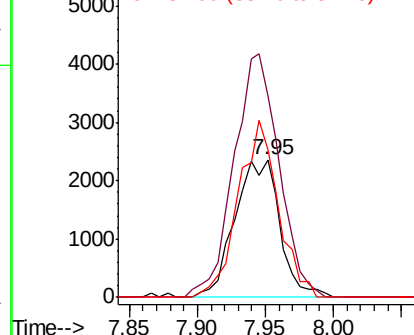
56 100

69 146.0 25.7 38.5#

84 106.7 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: 54.267 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012729.D

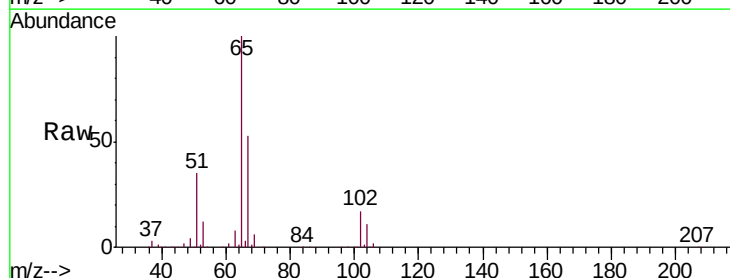
Acq: 07 Sep 2019 19:29

Tgt Ion: 65 Resp: 140871

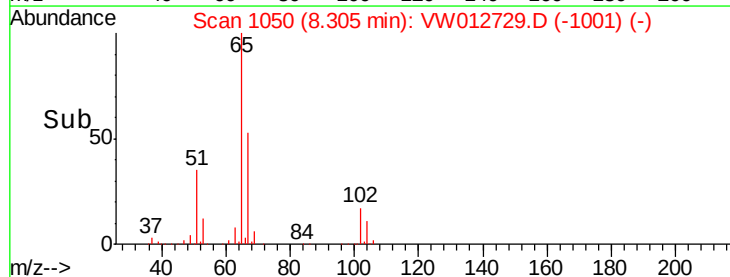
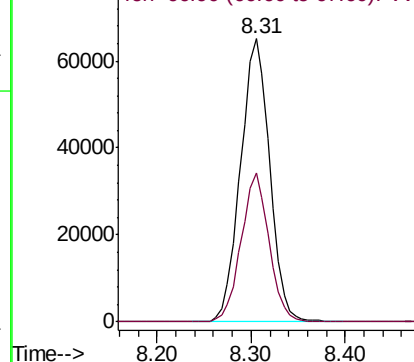
Ion Ratio Lower Upper

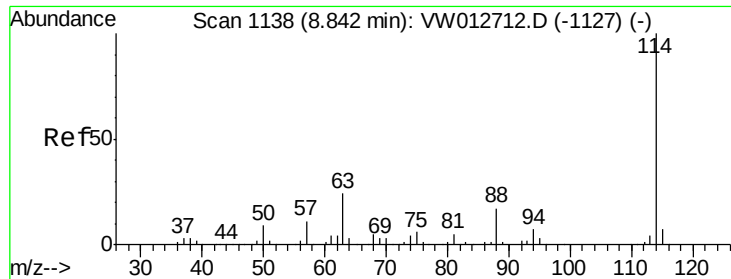
65 100

67 50.0 0.0 101.8



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

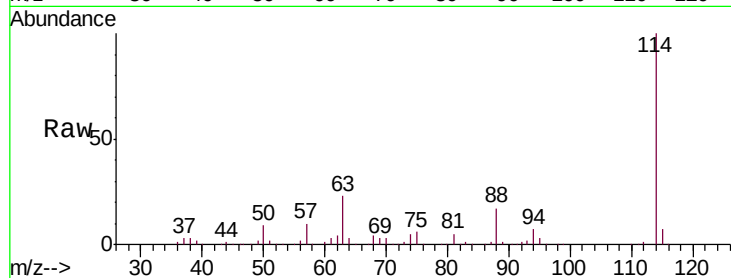




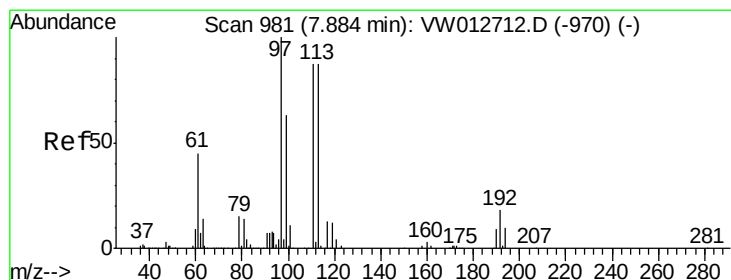
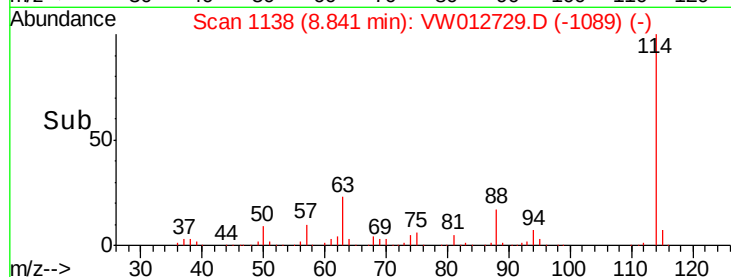
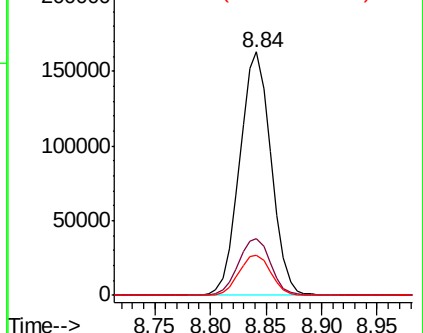
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012729.D
 Acq: 07 Sep 2019 19:29

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-11-(13-15)

Tgt Ion:114 Resp: 318720
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 47.2
 88 16.6 0.0 34.0

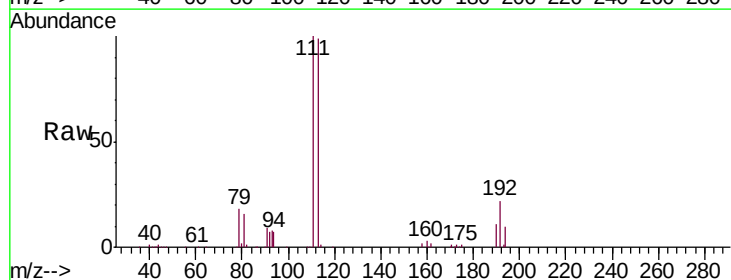


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

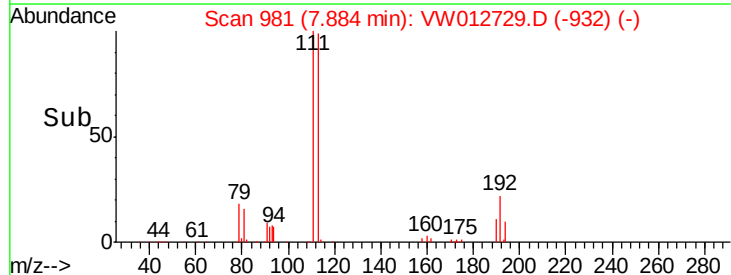
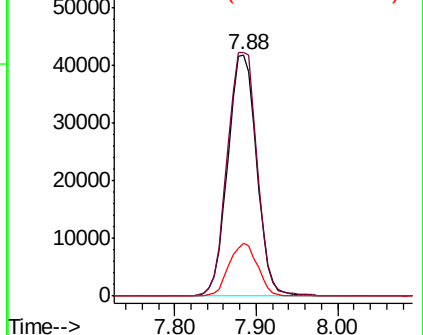


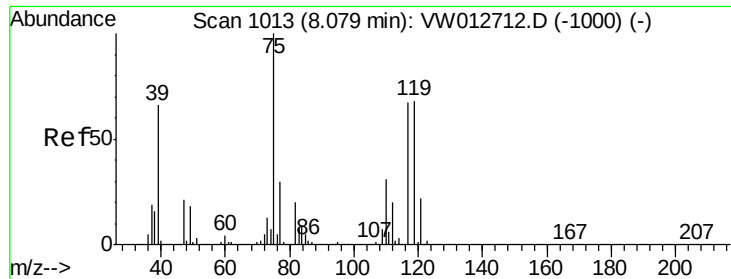
#35
 Dibromofluoromethane
 Concen: 53.998 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012729.D
 Acq: 07 Sep 2019 19:29

Tgt Ion:113 Resp: 102320
 Ion Ratio Lower Upper
 113 100
 111 103.9 80.2 120.4
 192 21.5 17.3 25.9



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: 6.858 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW012729.D

Acq: 07 Sep 2019 19:29

Instrument :

MSVOA_W

ClientSampleId :

SB-11-(13-15)

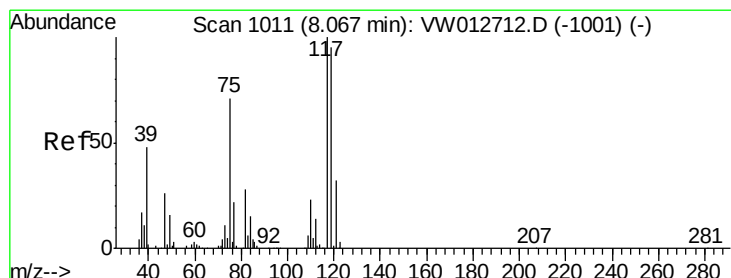
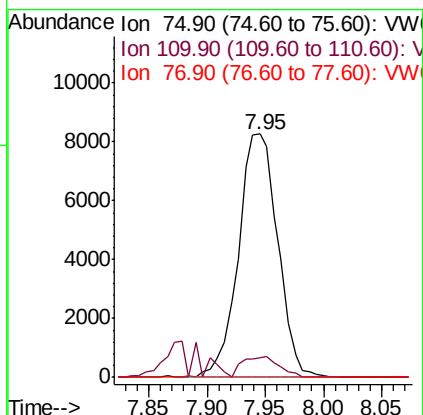
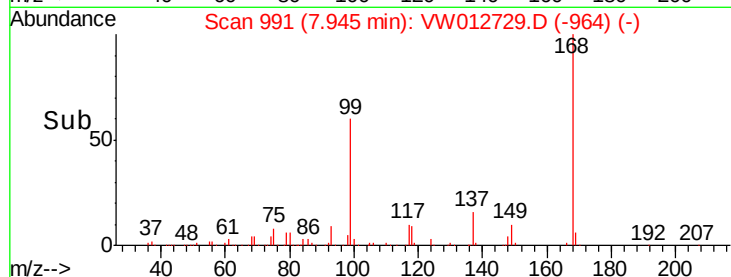
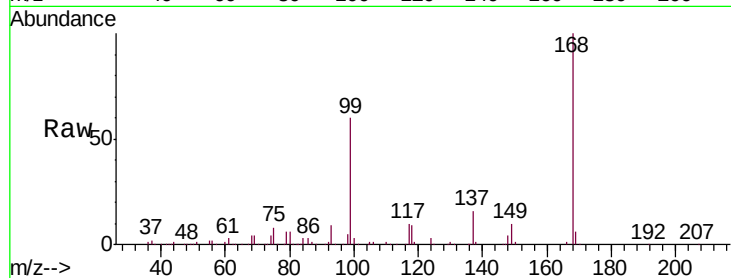
Tgt Ion: 75 Resp: 19422

Ion Ratio Lower Upper

75 100

110 8.1 15.9 47.7#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 8.240 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012729.D

Acq: 07 Sep 2019 19:29

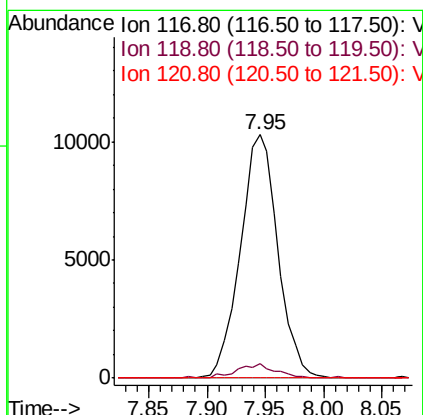
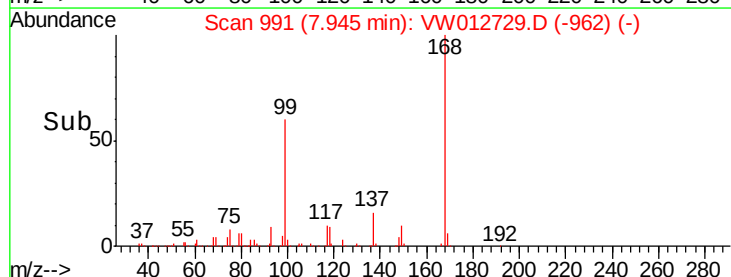
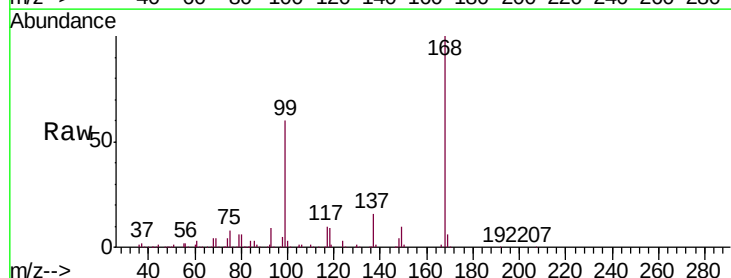
Tgt Ion: 117 Resp: 23002

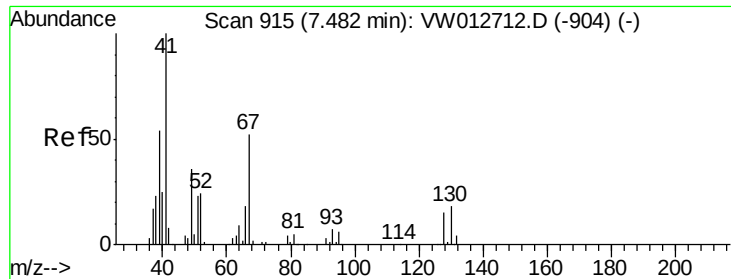
Ion Ratio Lower Upper

117 100

119 5.2 76.2 114.2#

121 0.0 25.4 38.2#

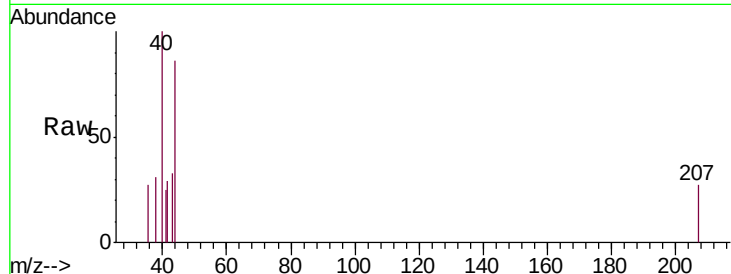




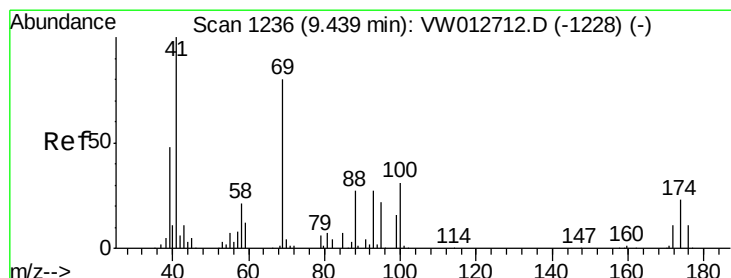
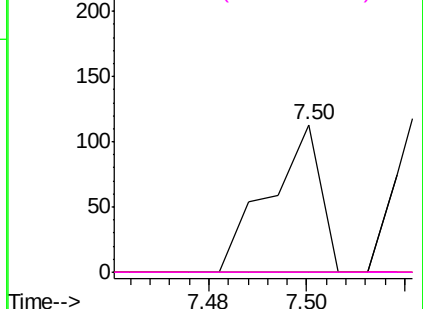
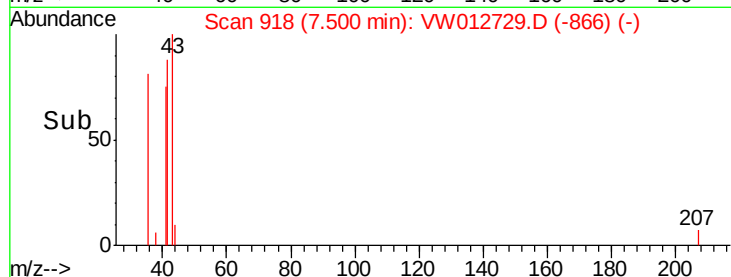
#41
Methacrylonitrile
Concen: 3.901 ug/l
RT: 7.50 min Scan# 918
Delta R.T. 0.02 min
Lab File: VW012729.D
Acq: 07 Sep 2019 19:29

Instrument :
MSVOA_W
ClientSampleId :
SB-11-(13-15)

Tgt Ion:	41	Resp:	83
Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.5	71.3#
67	0.0	45.1	67.7#
52	0.0	20.2	30.2#

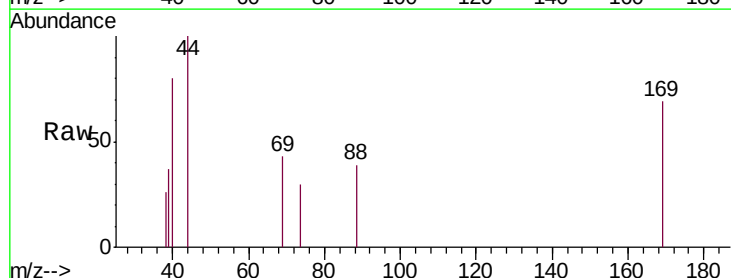


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

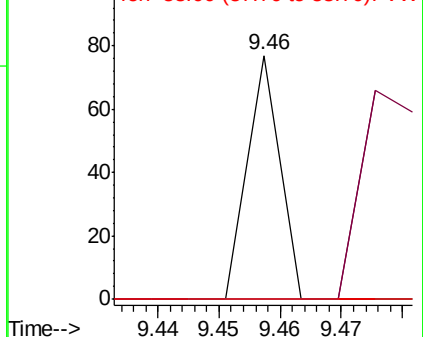
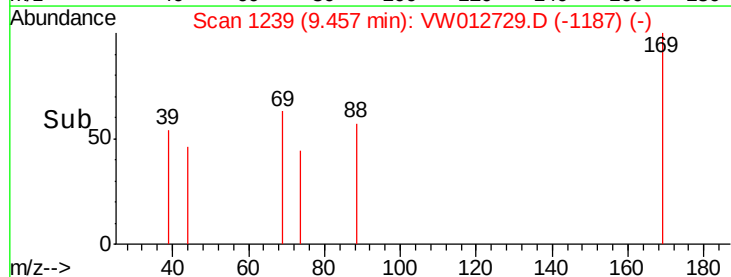


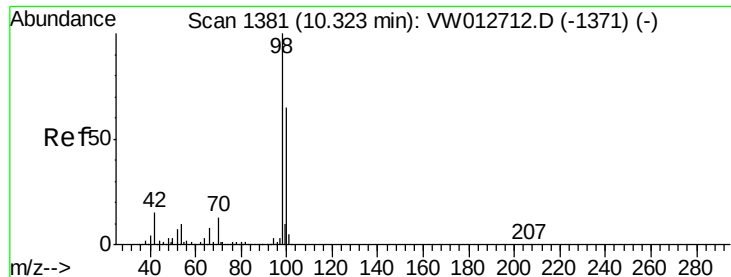
#49
1,4-Dioxane
Concen: 1.374 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.02 min
Lab File: VW012729.D
Acq: 07 Sep 2019 19:29

Tgt Ion:	88	Resp:	28
Ion	Ratio	Lower	Upper
88	100		
43	164.3	34.8	52.2#
58	0.0	64.1	96.1#



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 57.613 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012729.D

Acq: 07 Sep 2019 19:29

Instrument :

MSVOA_W

ClientSampleId :

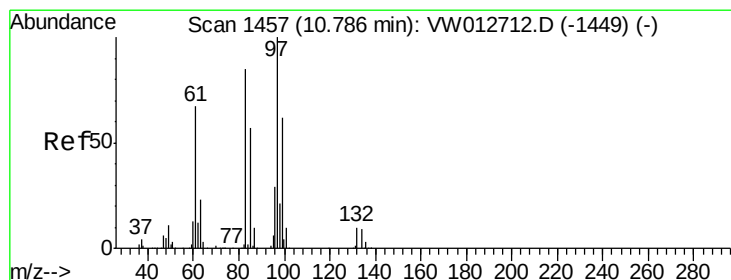
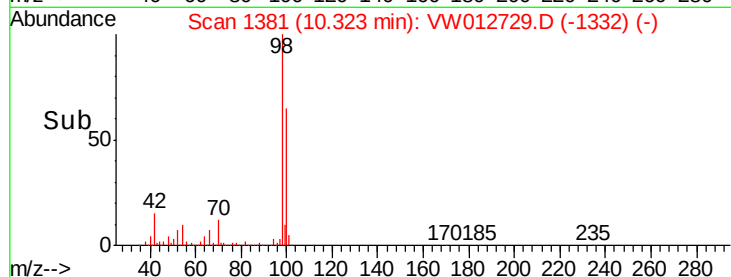
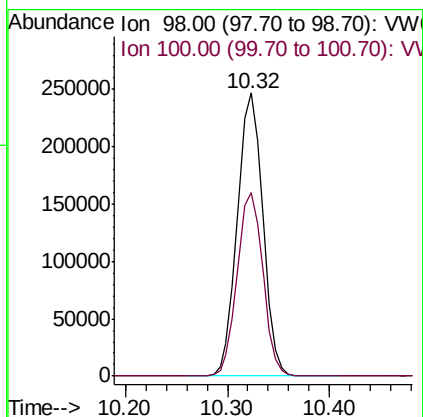
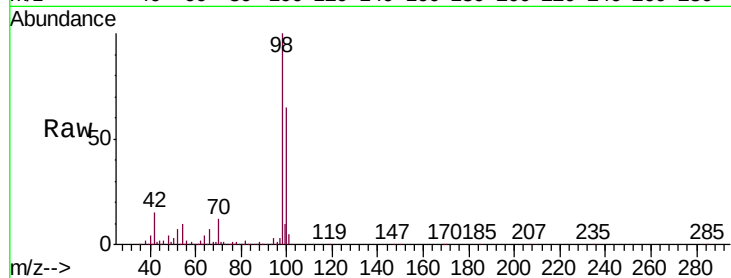
SB-11-(13-15)

Tgt Ion: 98 Resp: 427704

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.4



#55

1,1,2-Trichloroethane

Concen: 2.537 ug/l

RT: 10.81 min Scan# 1461

Delta R.T. 0.02 min

Lab File: VW012729.D

Acq: 07 Sep 2019 19:29

Tgt Ion: 97 Resp: 3919

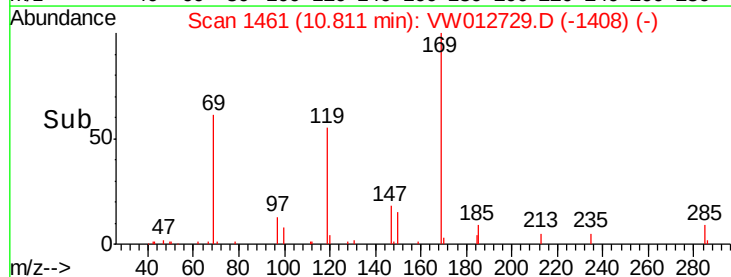
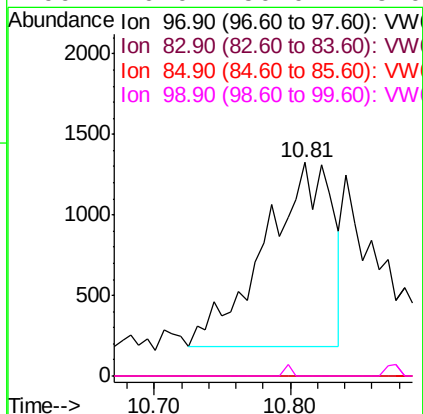
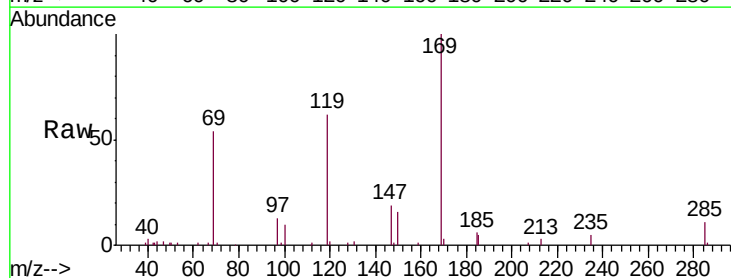
Ion Ratio Lower Upper

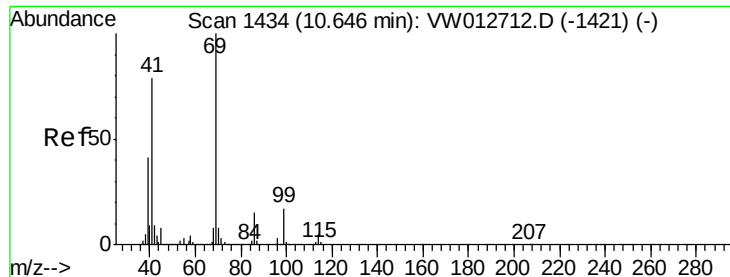
97 100

83 0.0 68.1 102.1#

85 0.0 45.3 67.9#

99 0.0 50.0 75.0#

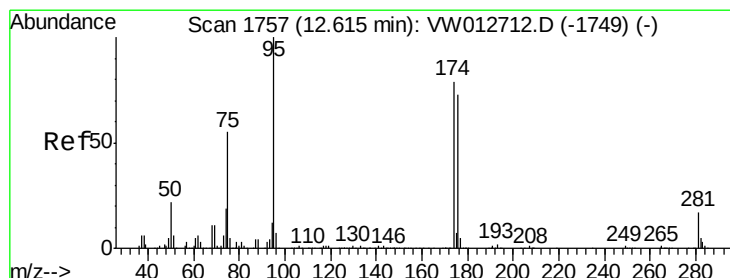
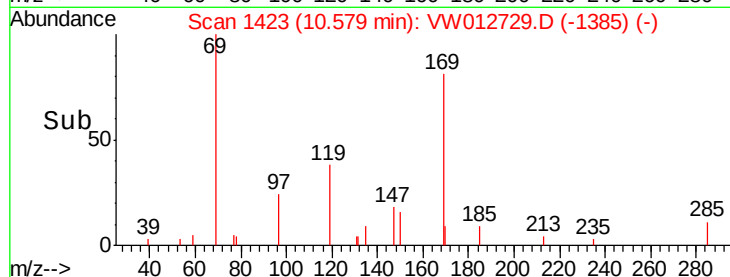
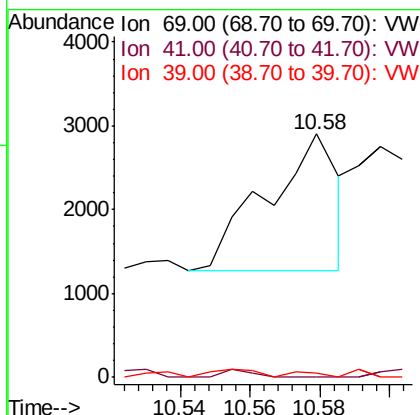
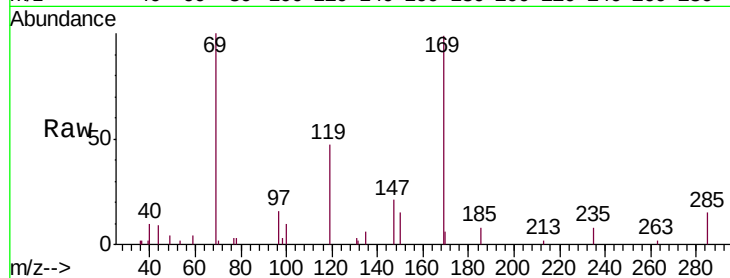




#56
Ethyl methacrylate
Concen: 1.025 ug/l
RT: 10.58 min Scan# 1423
Delta R.T. -0.07 min
Lab File: VW012729.D
Acq: 07 Sep 2019 19:29

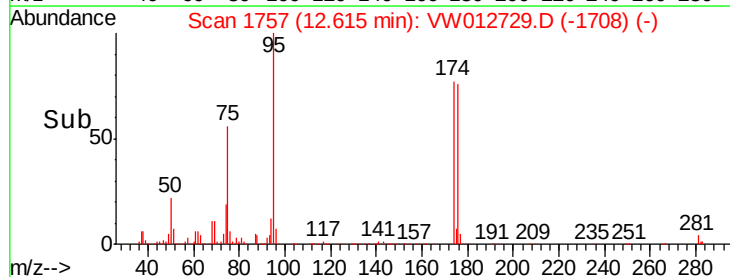
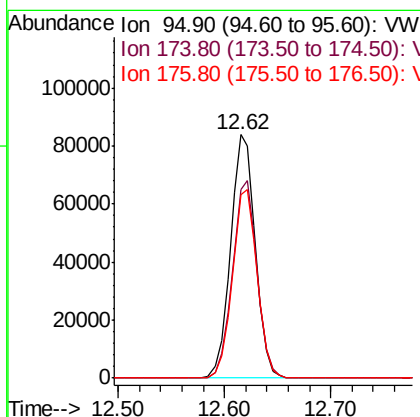
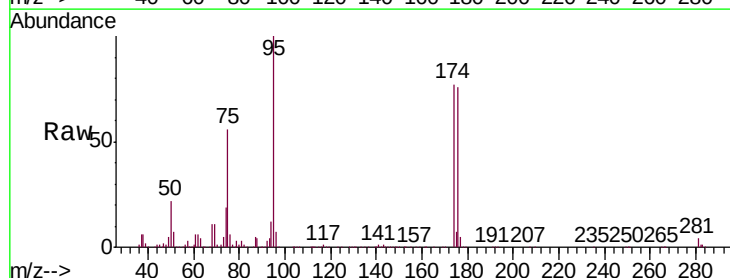
Instrument :
MSVOA_W
ClientSampleId :
SB-11-(13-15)

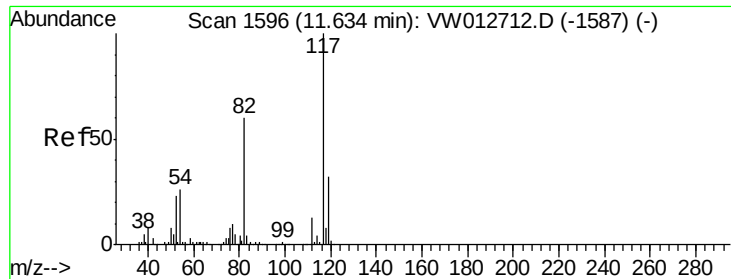
Tgt Ion: 69 Resp: 2318
Ion Ratio Lower Upper
69 100
41 0.0 64.4 96.6#
39 0.0 31.1 46.7#



#62
4-Bromofluorobenzene
Concen: 50.471 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012729.D
Acq: 07 Sep 2019 19:29

Tgt Ion: 95 Resp: 136022
Ion Ratio Lower Upper
95 100
174 80.5 0.0 161.0
176 77.8 0.0 156.4

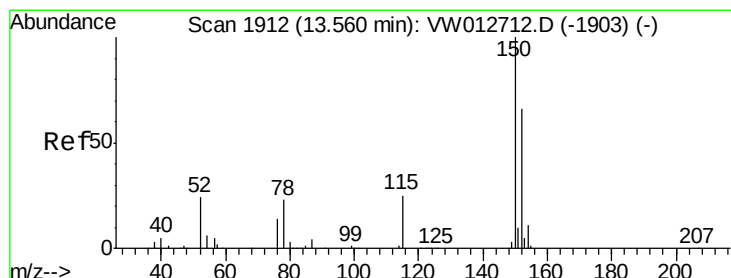
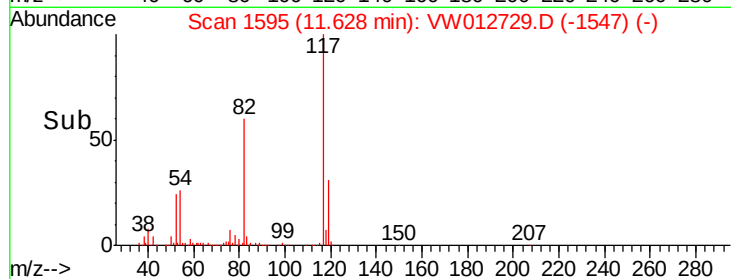
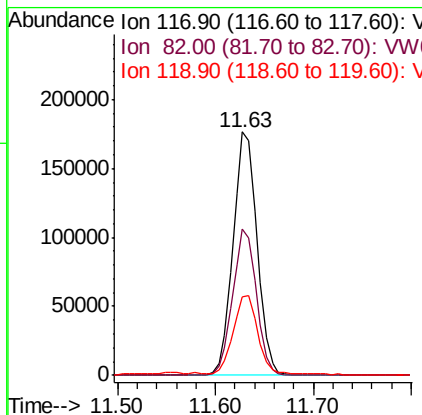
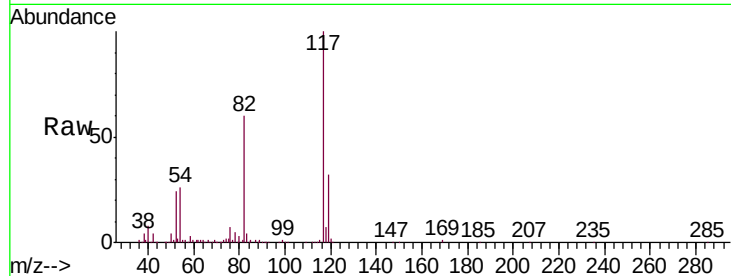




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012729.D
Acq: 07 Sep 2019 19:29

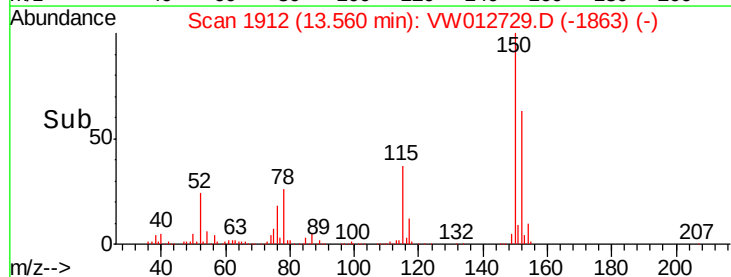
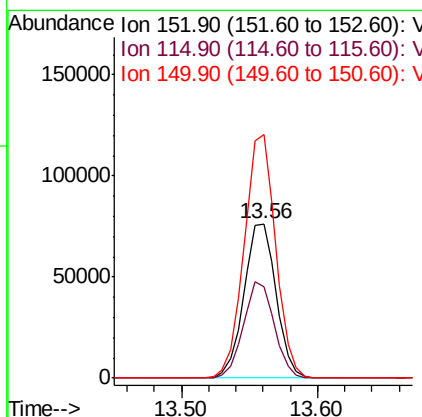
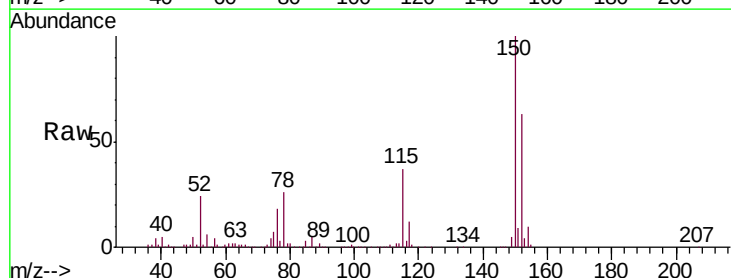
Instrument :
MSVOA_W
ClientSampleId :
SB-11-(13-15)

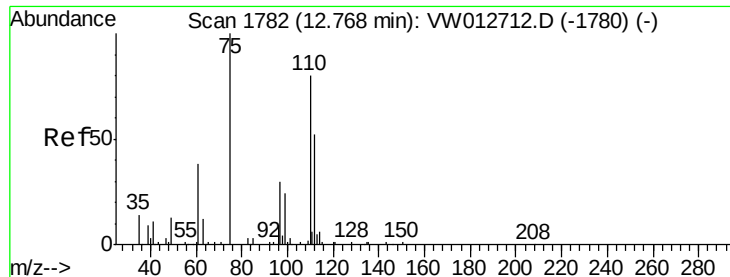
Tgt Ion:117 Resp: 300075
Ion Ratio Lower Upper
117 100
82 59.9 48.2 72.4
119 31.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012729.D
Acq: 07 Sep 2019 19:29

Tgt Ion:152 Resp: 126561
Ion Ratio Lower Upper
152 100
115 59.7 30.0 90.1
150 154.6 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 57.190 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012729.D

Acq: 07 Sep 2019 19:29

Instrument :

MSVOA_W

ClientSampleId :

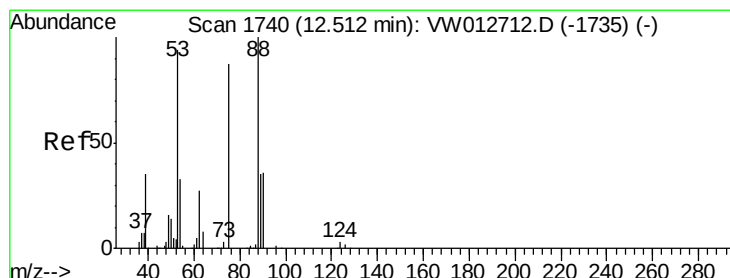
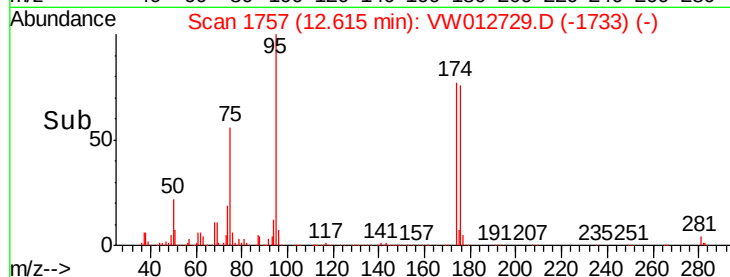
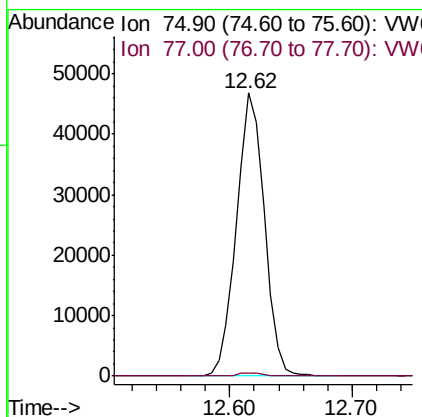
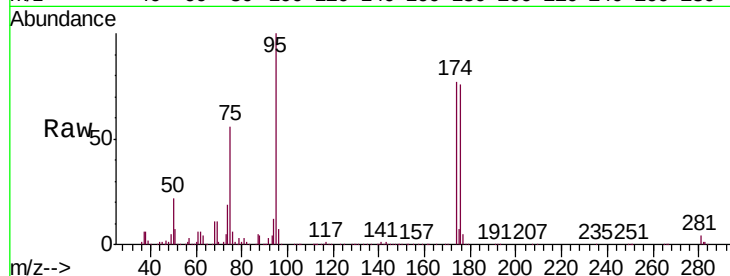
SB-11-(13-15)

Tgt Ion: 75 Resp: 74012

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 120.961 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012729.D

Acq: 07 Sep 2019 19:29

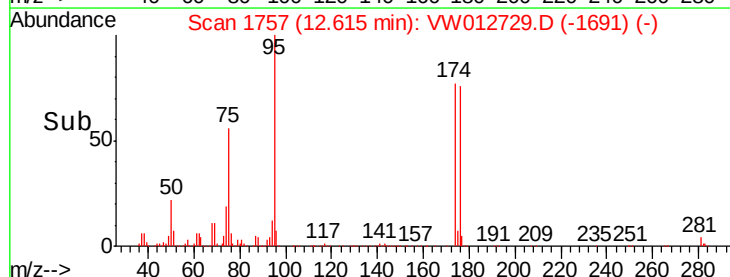
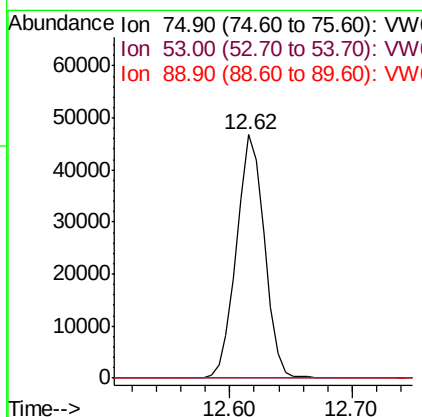
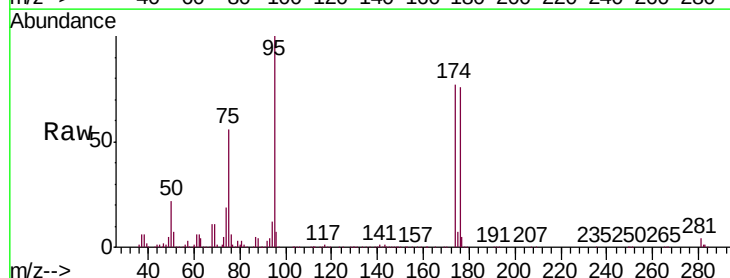
Tgt Ion: 75 Resp: 74012

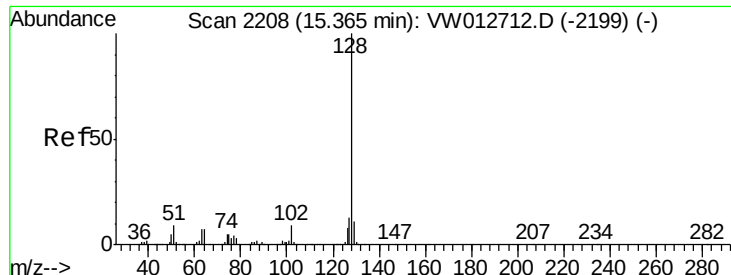
Ion Ratio Lower Upper

75 100

53 0.2 87.6 131.4#

89 0.2 35.5 53.3#

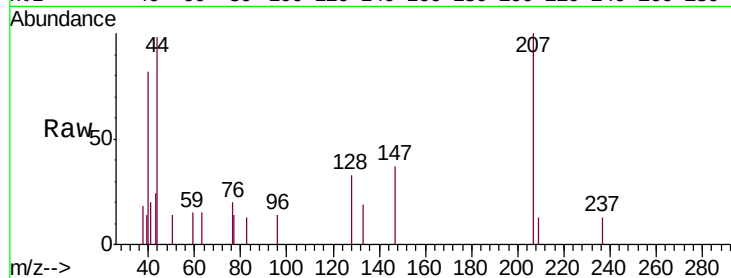




#95
Naphthalene
Concen: 4.463 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012729.D
Acq: 07 Sep 2019 19:29

Instrument :
MSVOA_W
ClientSampleId :
SB-11-(13-15)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	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

