

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090419\
 Data File : VW012602.D
 Acq On : 04 Sep 2019 18:23
 Operator : SY/VA
 Sample : K4525-13
 Misc : 5.13G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-B3-(0)

Quant Time: Sep 05 07:01:03 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	248575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	402348	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	339358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	137543	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	164536	55.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.36%	
35) Dibromofluoromethane	7.88	113	125058	52.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.14%	
50) Toluene-d8	10.32	98	494369	50.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.62	95	156191	45.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.00%	

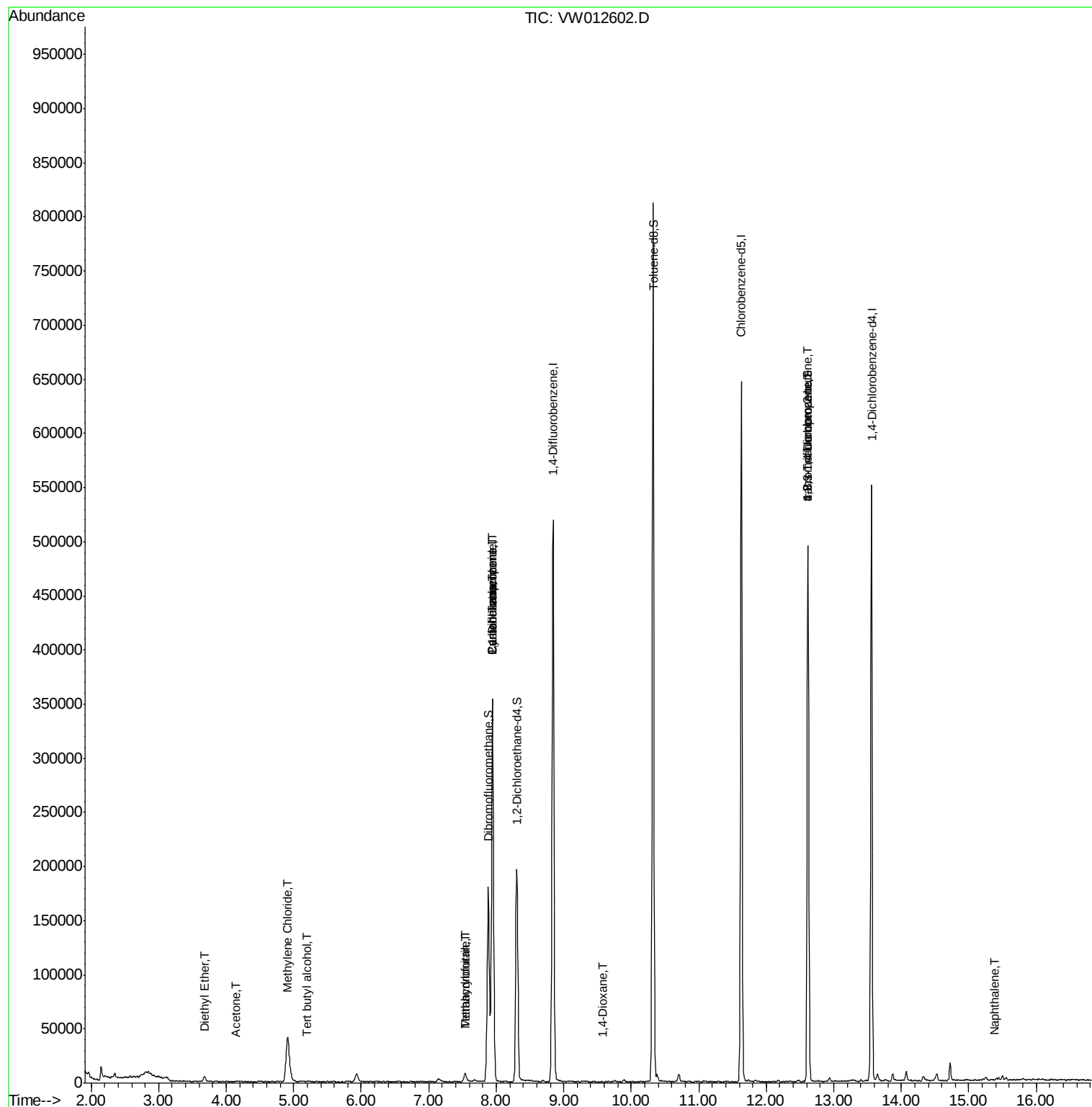
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2333	1.687	ug/l	67
11) Tert butyl alcohol	5.19	59	285	1.603	ug/l #	71
16) Acetone	4.14	43	850	1.125	ug/l	97
20) Methylene Chloride	4.91	84	31766	11.124	ug/l	94
29) Tetrahydrofuran	7.54	42	6967	11.313	ug/l	99
31) Cyclohexane	7.95	56	6250	1.174	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20682	4.974	ug/l #	52
38) Carbon Tetrachloride	7.95	117	24839	6.902	ug/l #	17
41) Methacrylonitrile	7.54	41	4395	3.282	ug/l #	57
49) 1,4-Dioxane	9.58	88	46	2.210	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	85827	64.071	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85827	140.477	ug/l #	6
95) Naphthalene	15.38	128	83	4.336	ug/l #	48

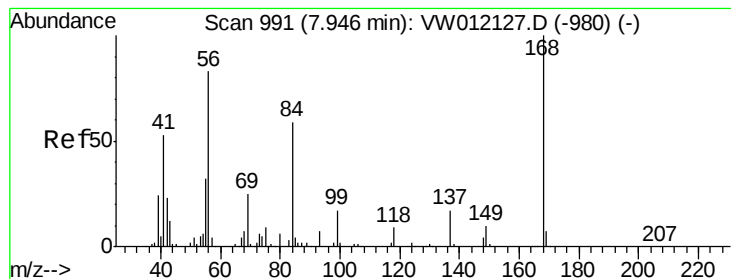
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090419\
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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: VW012602.D

Acq: 04 Sep 2019 18:23

Instrument :

MSVOA_W

ClientSampleId :

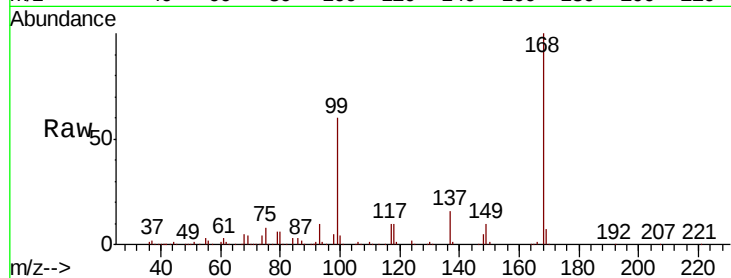
T9-12-13-B3-(0)

Tgt Ion:168 Resp: 248575

Ion Ratio Lower Upper

168 100

99 59.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

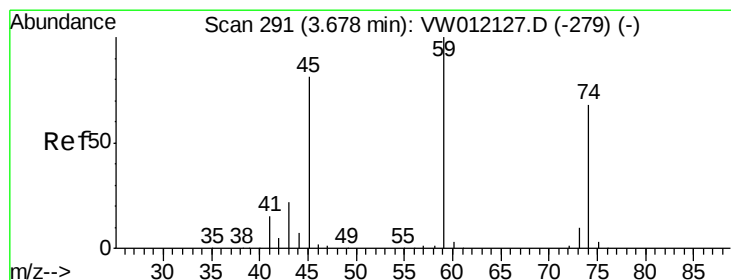
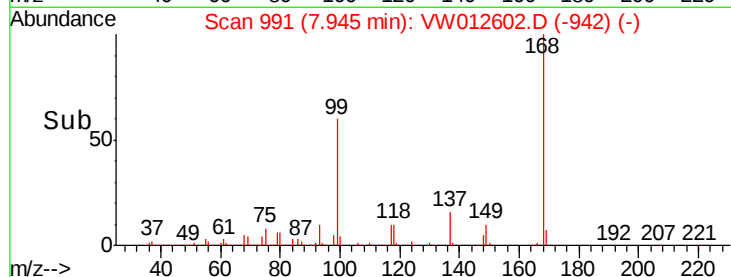
7.95

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.687 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012602.D

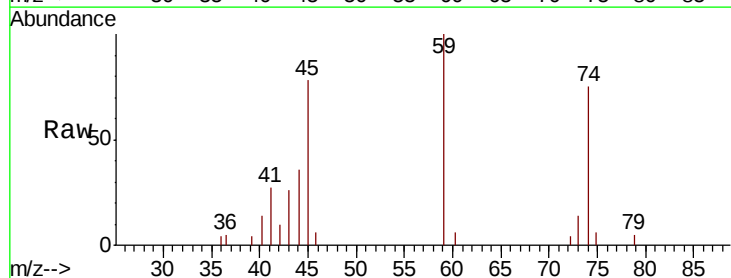
Acq: 04 Sep 2019 18:23

Tgt Ion: 74 Resp: 2333

Ion Ratio Lower Upper

74 100

45 155.1 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1200

1000

800

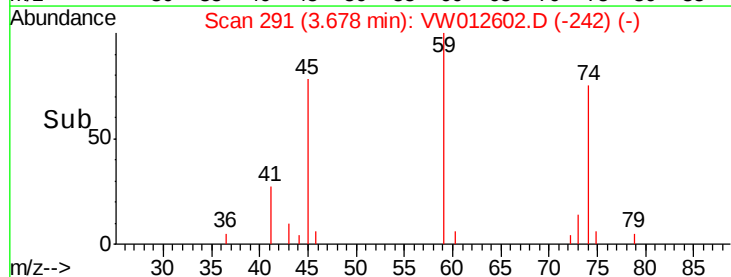
600

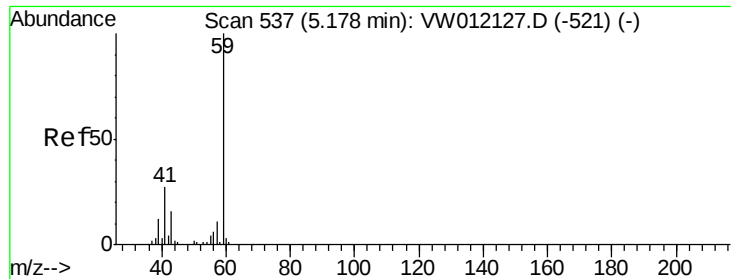
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200

0

Time-->

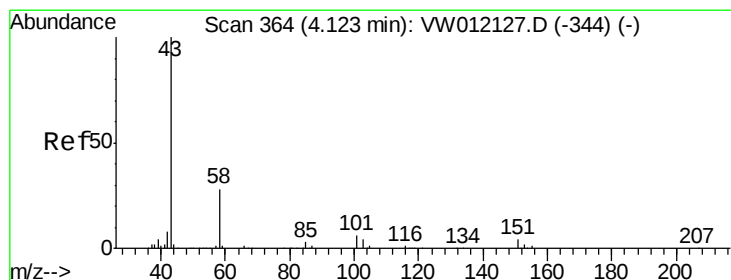
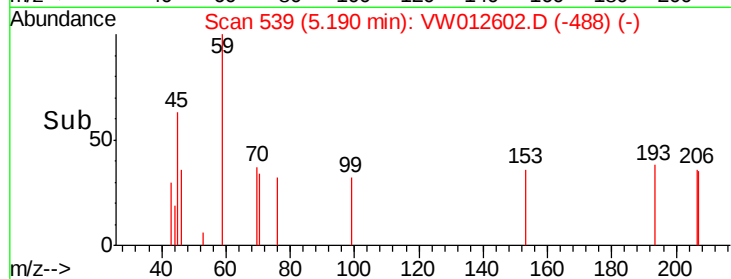
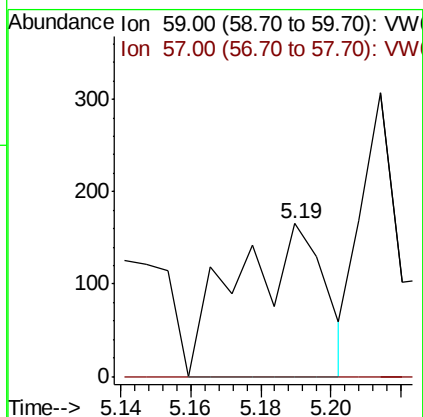
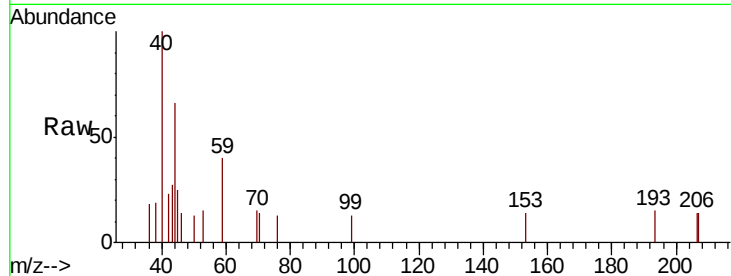




#11
Tert butyl alcohol
Concen: 1.603 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.01 min
Lab File: VW012602.D
Acq: 04 Sep 2019 18:23

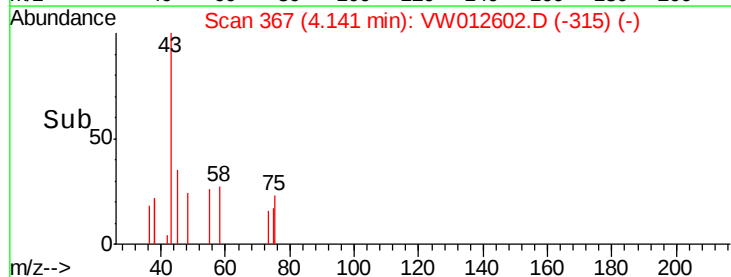
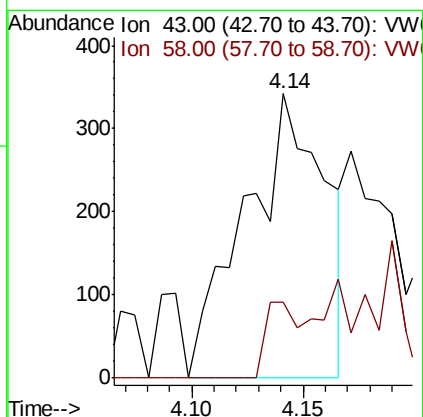
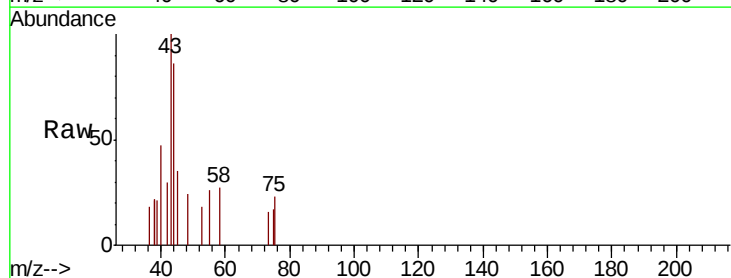
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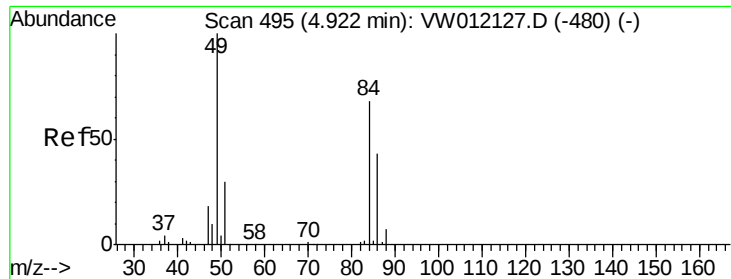
Tgt Ion: 59 Resp: 285
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 1.125 ug/l
RT: 4.14 min Scan# 367
Delta R.T. 0.02 min
Lab File: VW012602.D
Acq: 04 Sep 2019 18:23

Tgt Ion: 43 Resp: 850
Ion Ratio Lower Upper
43 100
58 26.6 22.4 33.6

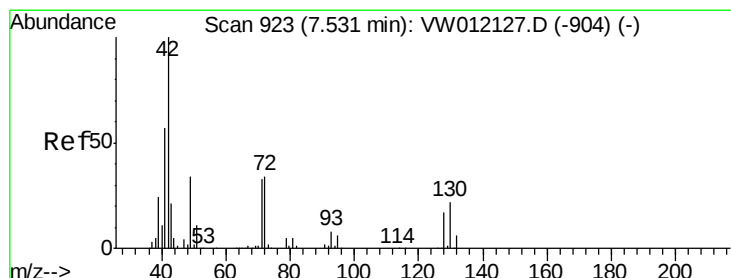
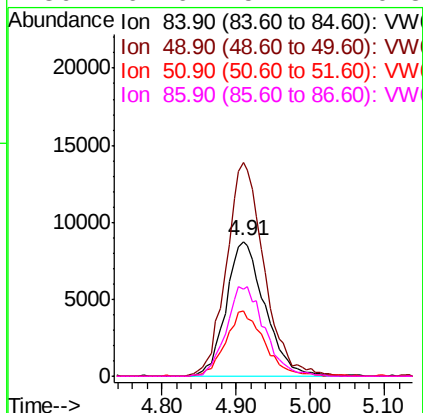
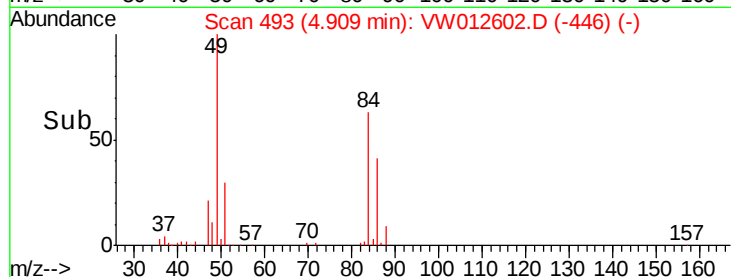
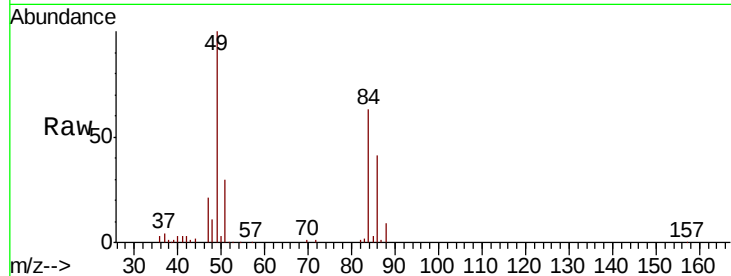




#20
Methylene Chloride
Concen: 11.124 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012602.D
Acq: 04 Sep 2019 18:23

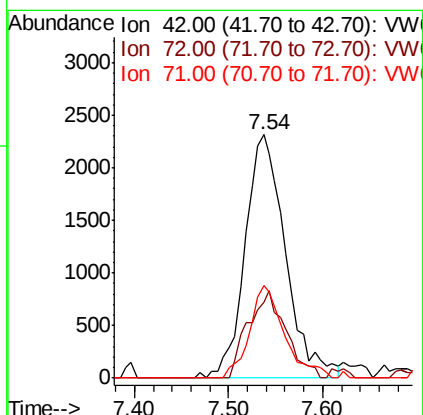
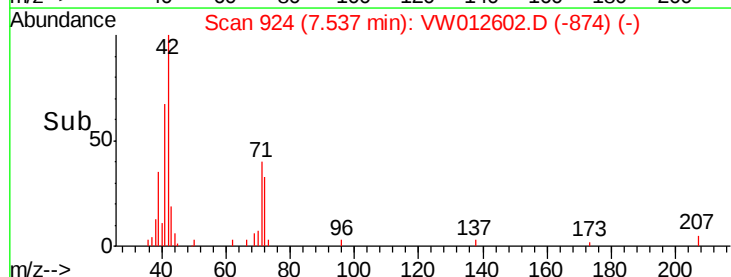
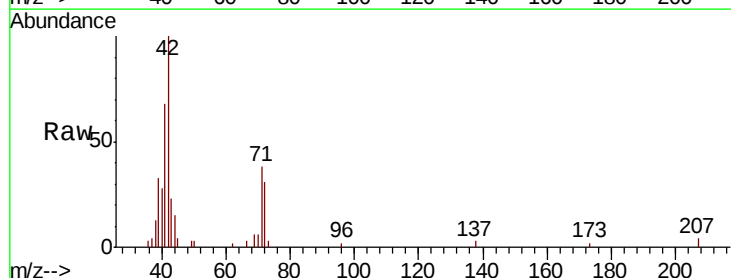
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-B3-(0)

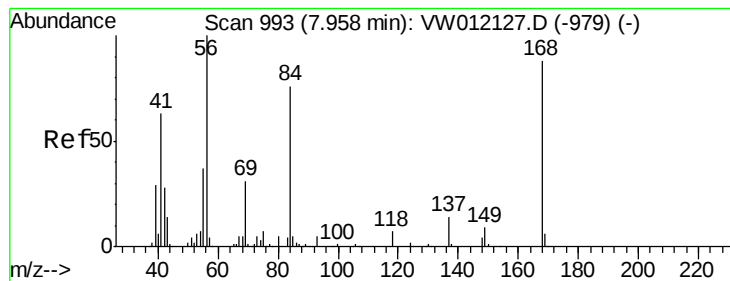
Tgt Ion:	84	Resp:	31766
Ion	Ratio	Lower	Upper
84	100		
49	157.6	117.8	176.8
51	48.0	35.6	53.4
86	64.6	51.2	76.8



#29
Tetrahydrofuran
Concen: 11.313 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012602.D
Acq: 04 Sep 2019 18:23

Tgt Ion:	42	Resp:	6967
Ion	Ratio	Lower	Upper
42	100		
72	33.6	27.3	40.9
71	32.9	25.5	38.3





#31

Cyclohexane

Concen: 1.174 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012602.D

Acq: 04 Sep 2019 18:23

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-B3-(0)

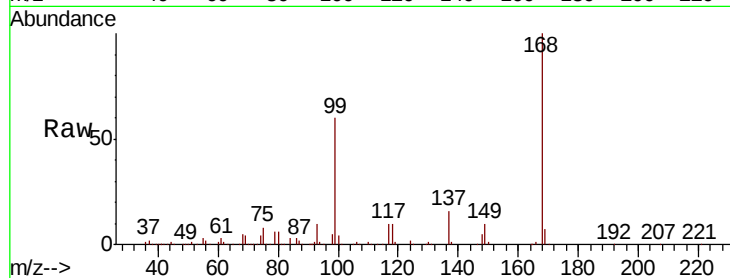
Tgt Ion: 56 Resp: 6250

Ion Ratio Lower Upper

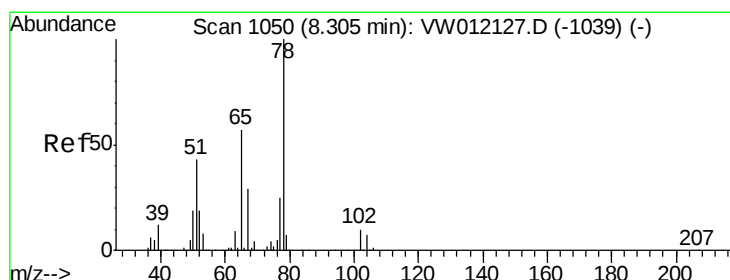
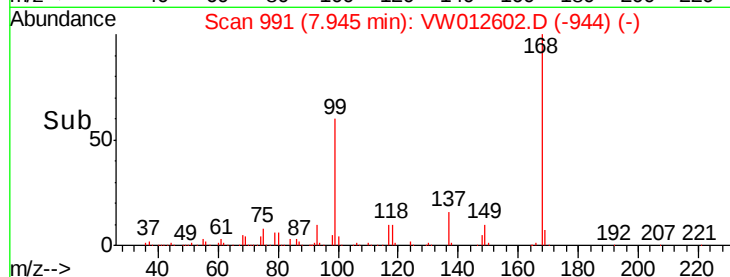
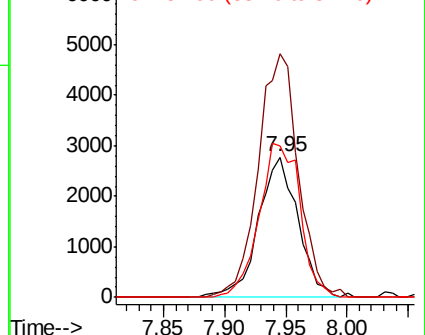
56 100

69 173.3 24.9 37.3#

84 108.1 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: 55.681 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012602.D

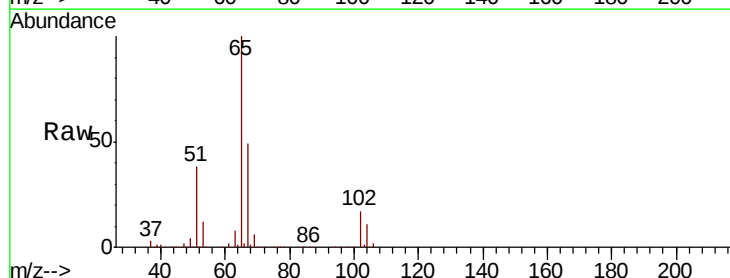
Acq: 04 Sep 2019 18:23

Tgt Ion: 65 Resp: 164536

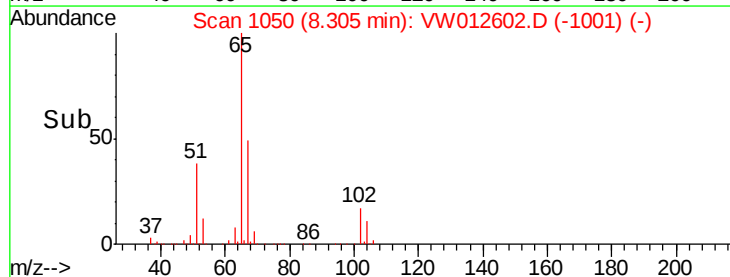
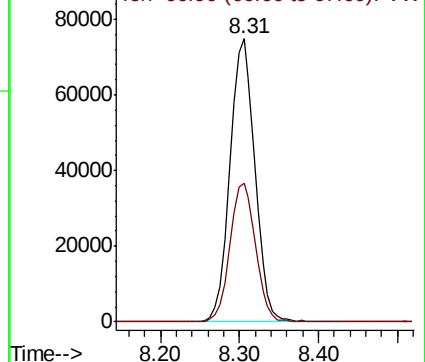
Ion Ratio Lower Upper

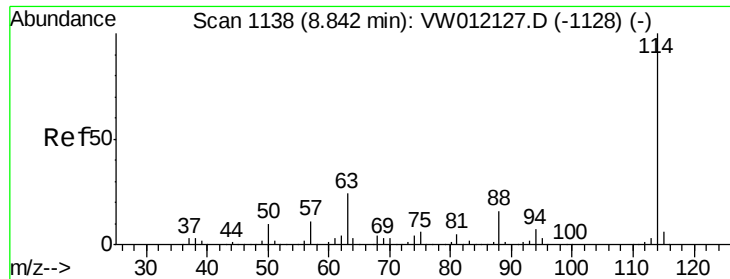
65 100

67 50.3 0.0 102.6



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

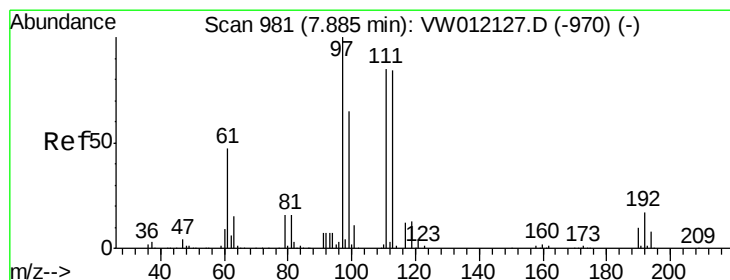
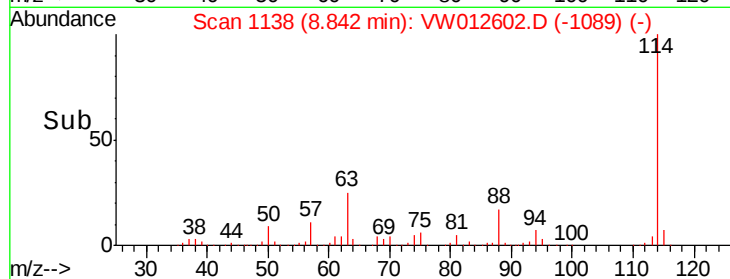
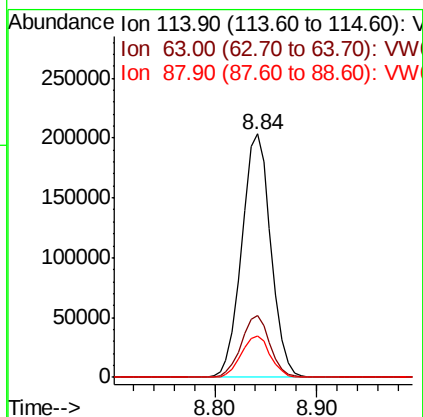
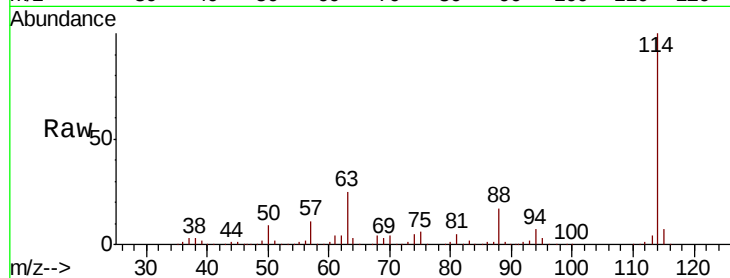




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012602.D
 Acq: 04 Sep 2019 18:23

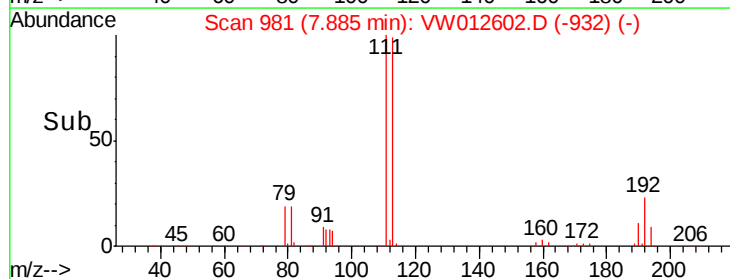
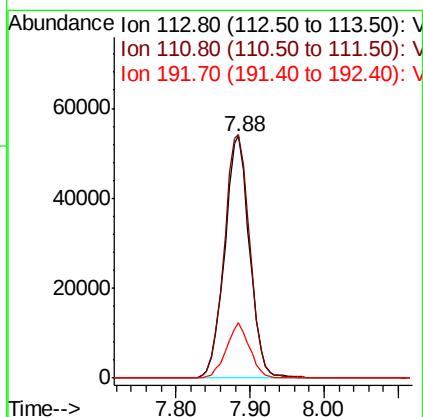
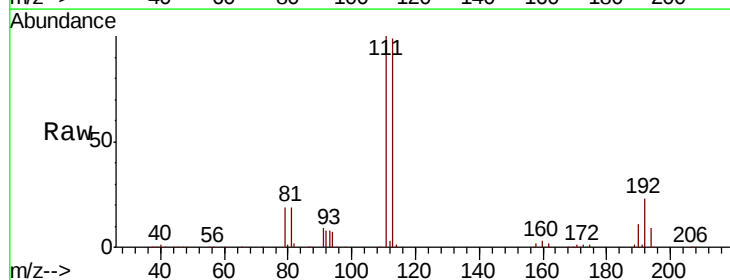
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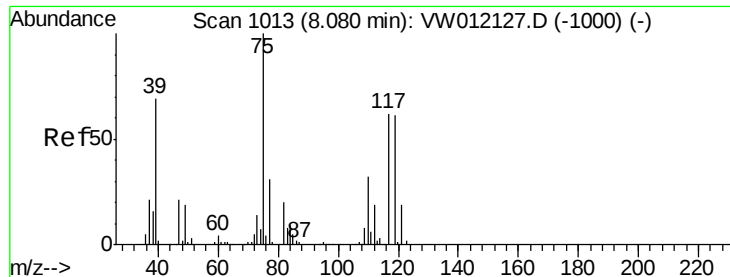
Tgt Ion:114 Resp: 402348
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 48.6
 88 16.9 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 52.072 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012602.D
 Acq: 04 Sep 2019 18:23

Tgt Ion:113 Resp: 125058
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.7 124.1
 192 21.5 16.2 24.2

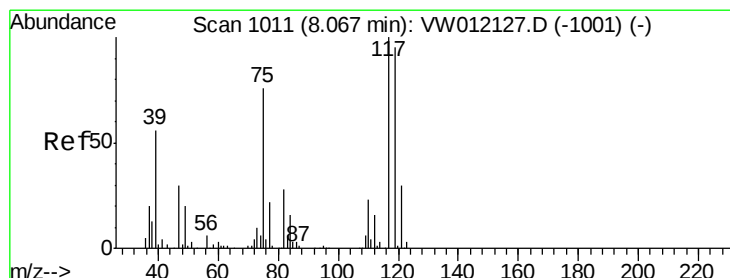
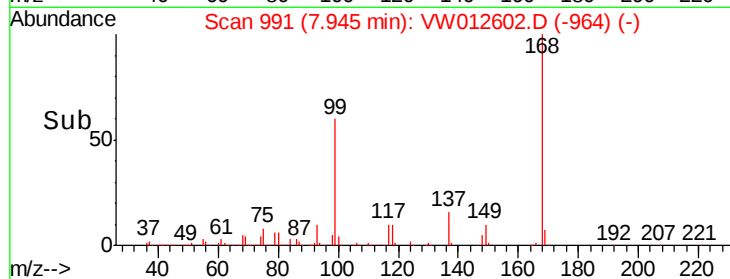
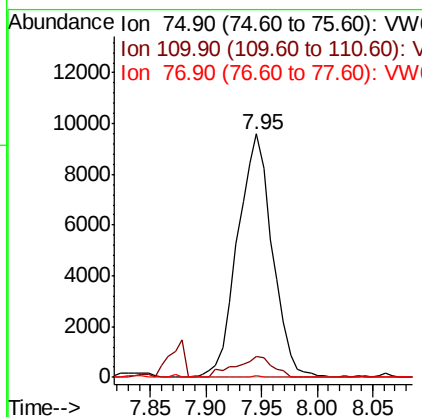
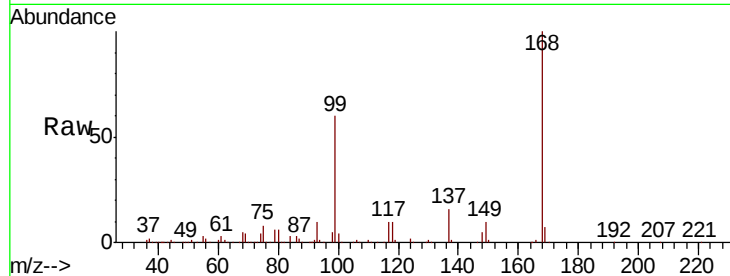




#36
 1,1-Dichloropropene
 Concen: 4.974 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012602.D
 Acq: 04 Sep 2019 18:23

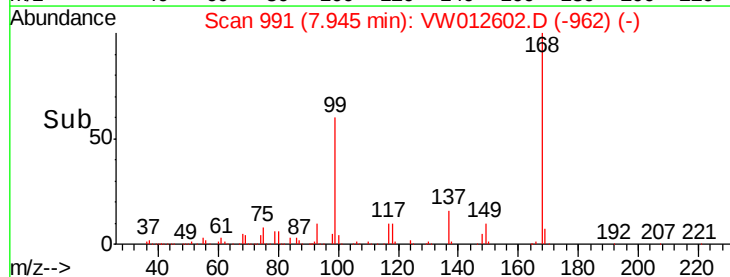
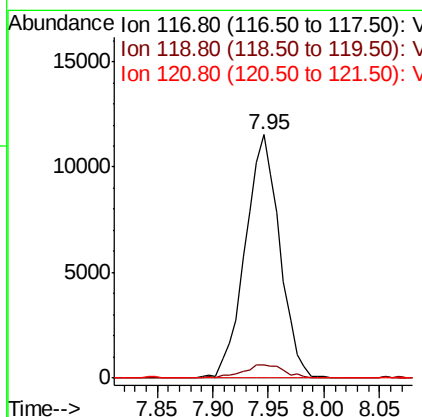
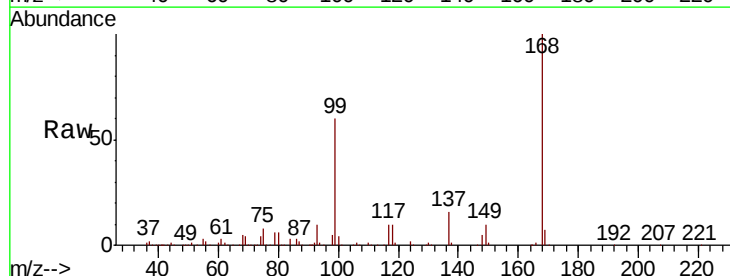
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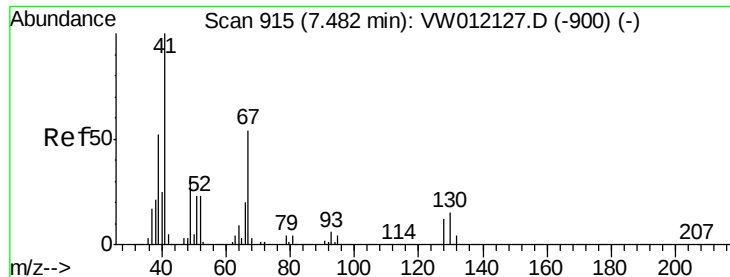
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	15.6	46.8#
77	0.1	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.902 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012602.D
 Acq: 04 Sep 2019 18:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.2	114.2#
121	0.0	23.8	35.8#

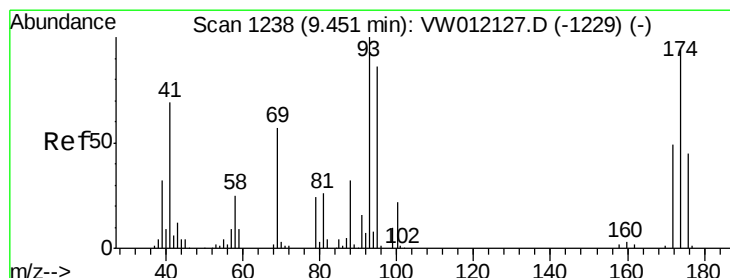
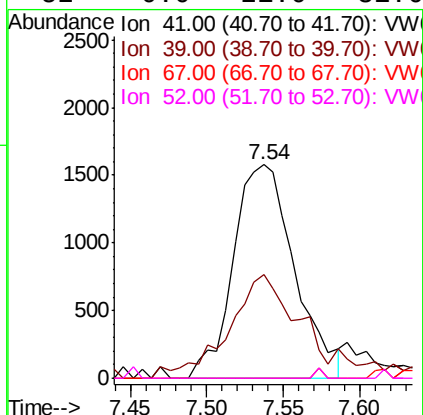
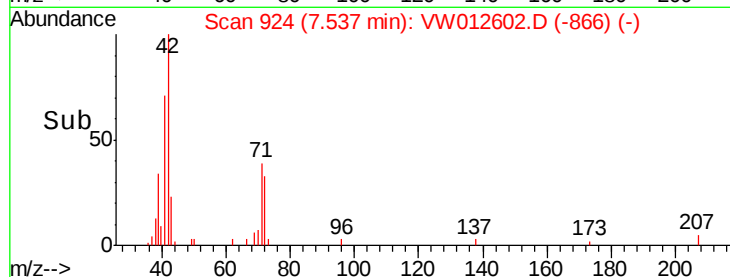
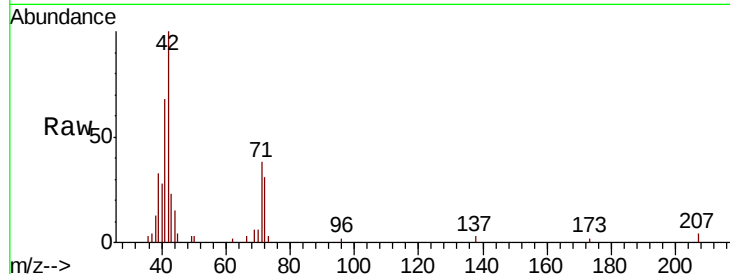




#41
Methacrylonitrile
Concen: 3.282 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012602.D
Acq: 04 Sep 2019 18:23

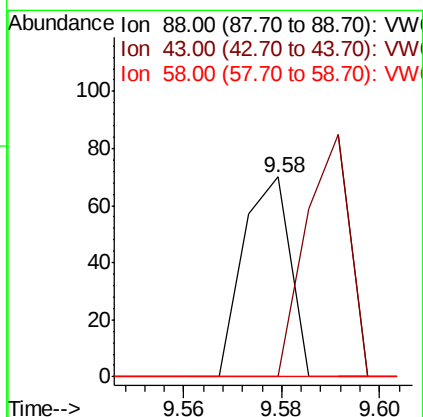
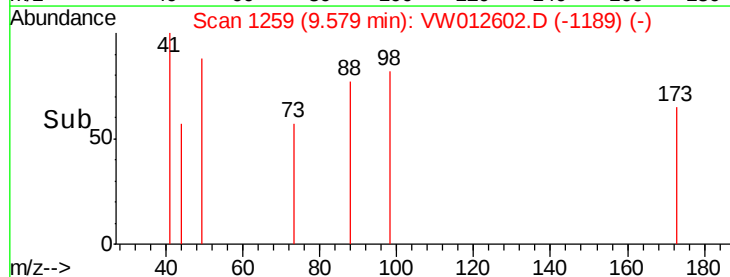
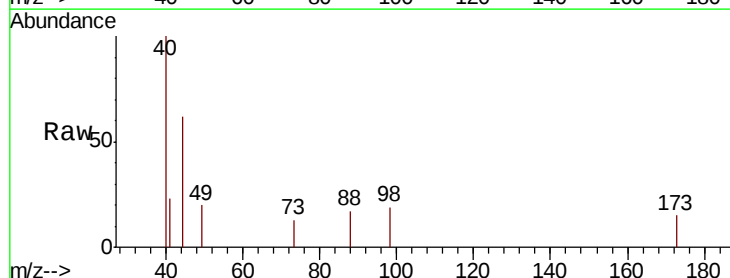
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-B3-(0)

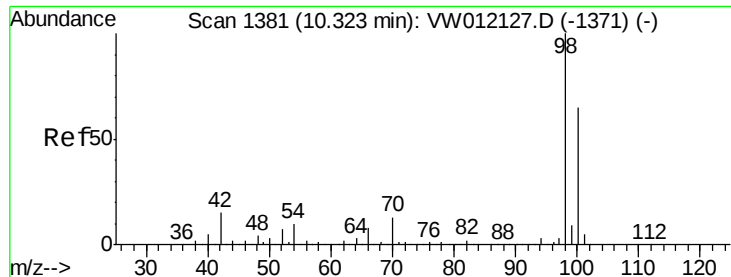
Tgt Ion: 41 Resp: 4395
Ion Ratio Lower Upper
41 100
39 54.3 45.8 68.8
67 0.0 46.2 69.4#
52 0.0 21.0 31.6#



#49
1,4-Dioxane
Concen: 2.210 ug/l
RT: 9.58 min Scan# 1259
Delta R.T. 0.13 min
Lab File: VW012602.D
Acq: 04 Sep 2019 18:23

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 115.2 32.9 49.3#
58 0.0 71.0 106.4#

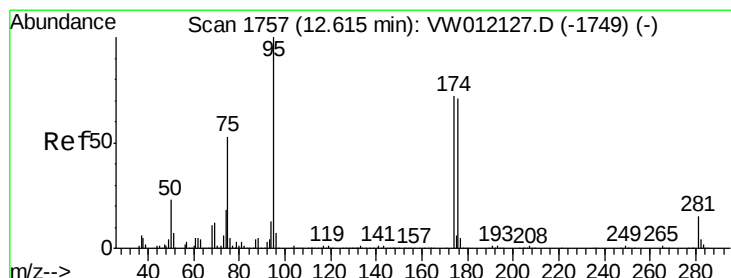
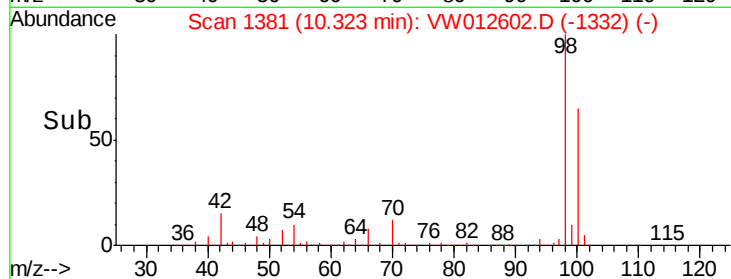
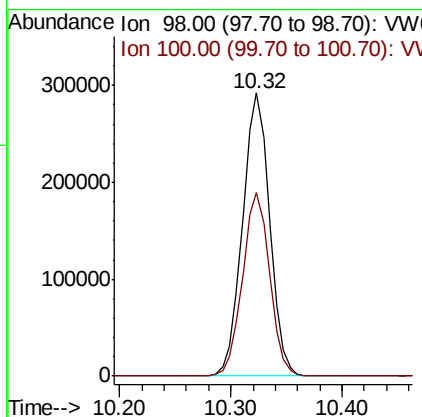
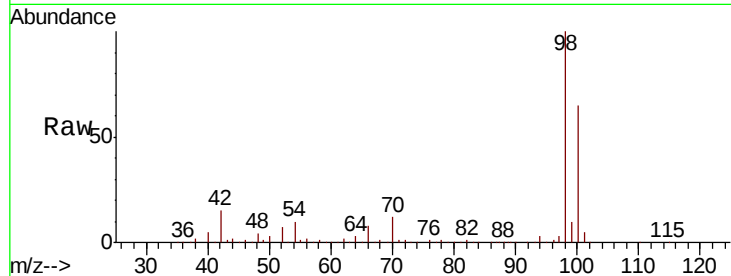




#50
Toluene-d8
Concen: 50.768 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012602.D
Acq: 04 Sep 2019 18:23

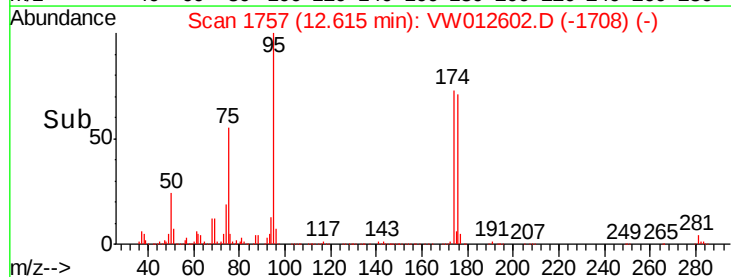
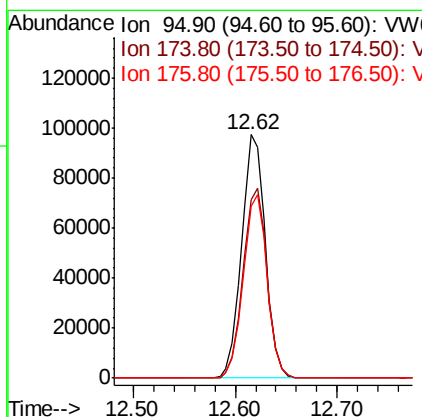
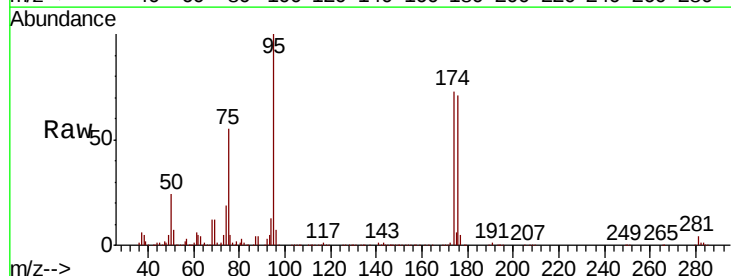
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-B3-(0)

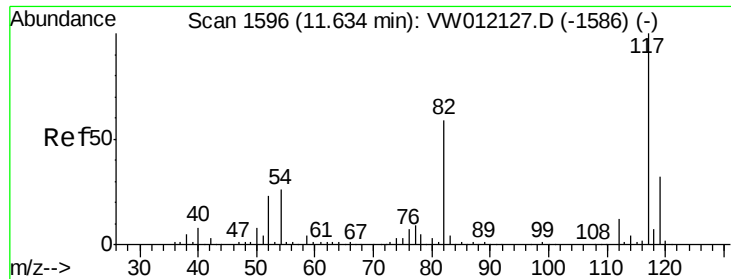
Tgt Ion: 98 Resp: 494369
Ion Ratio Lower Upper
98 100
100 64.9 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 45.502 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012602.D
Acq: 04 Sep 2019 18:23

Tgt Ion: 95 Resp: 156191
Ion Ratio Lower Upper
95 100
174 79.5 0.0 150.8
176 76.0 0.0 148.6

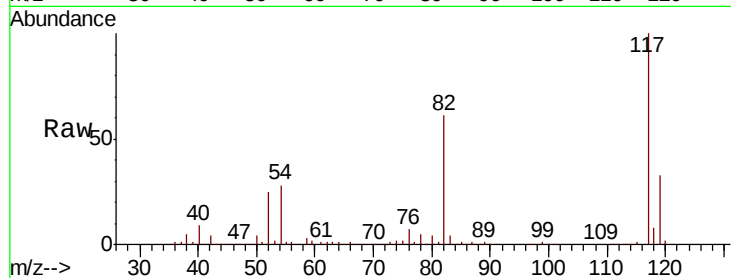




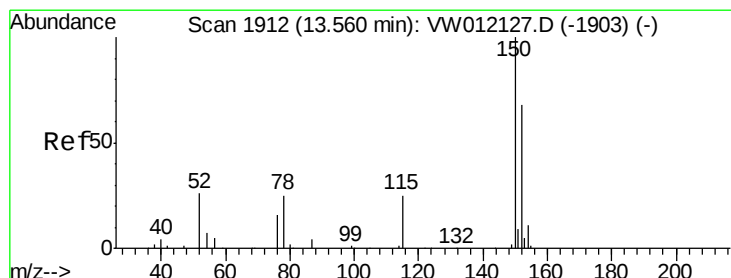
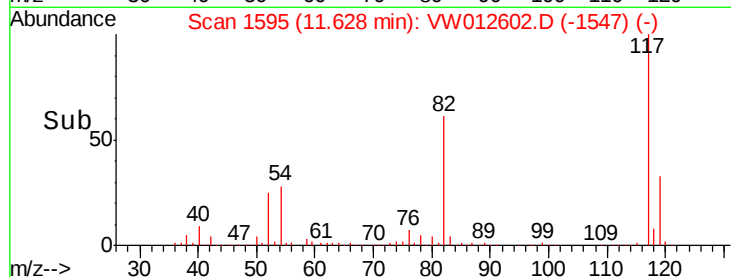
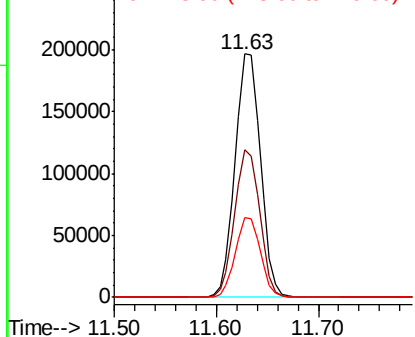
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012602.D
Acq: 04 Sep 2019 18:23

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-B3-(0)

Tgt Ion:117 Resp: 339358
Ion Ratio Lower Upper
117 100
82 60.6 47.4 71.2
119 32.6 25.4 38.2

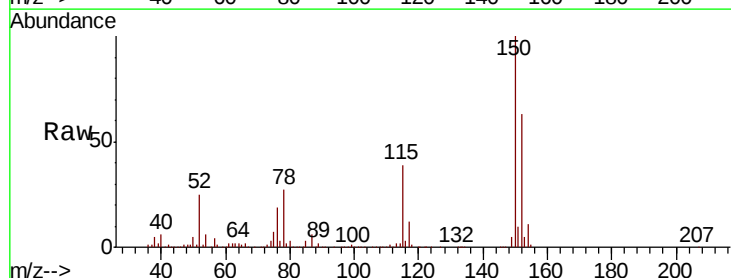


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

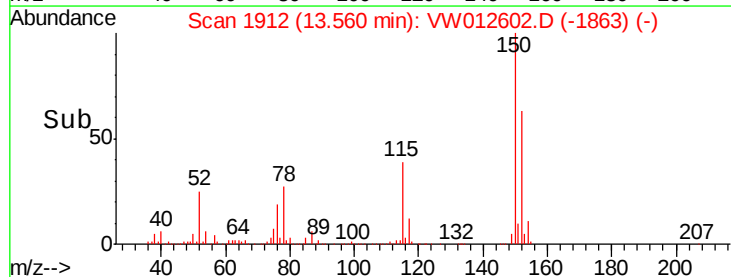
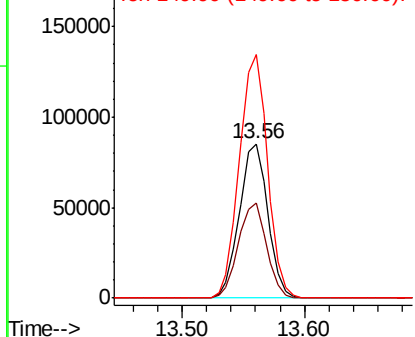


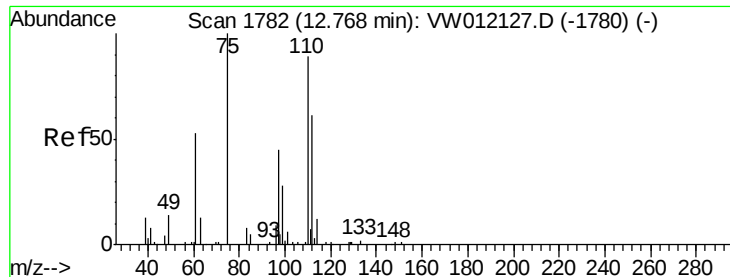
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012602.D
Acq: 04 Sep 2019 18:23

Tgt Ion:152 Resp: 137543
Ion Ratio Lower Upper
152 100
115 60.7 30.1 90.3
150 156.5 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: 64.071 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012602.D

Acq: 04 Sep 2019 18:23

Instrument :

MSVOA_W

ClientSampleId :

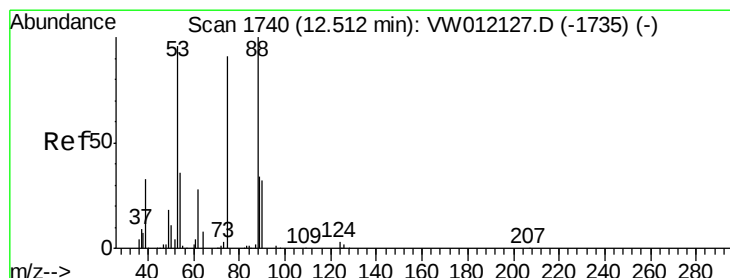
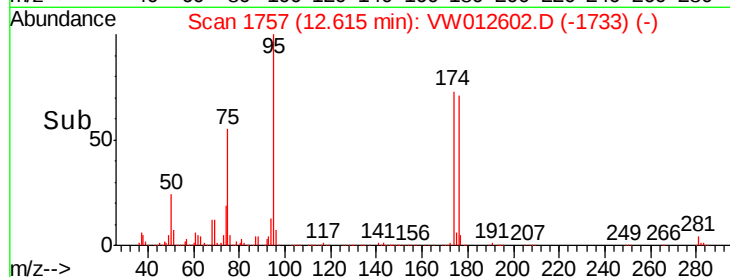
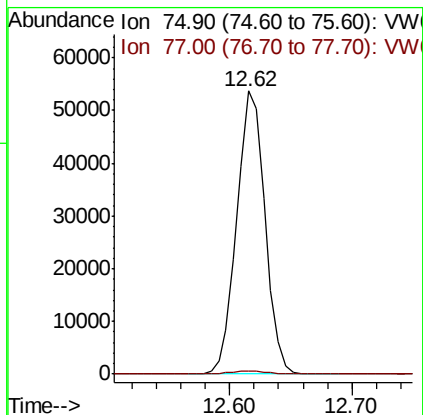
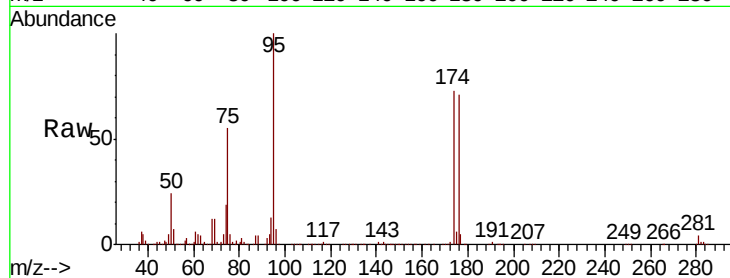
T9-12-13-B3-(0)

Tgt Ion: 75 Resp: 85827

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 140.477 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012602.D

Acq: 04 Sep 2019 18:23

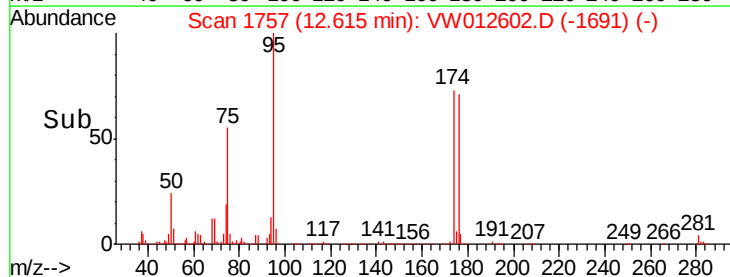
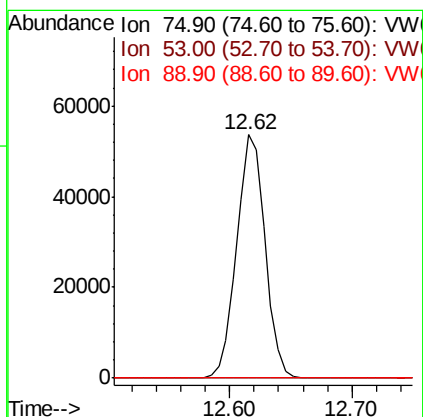
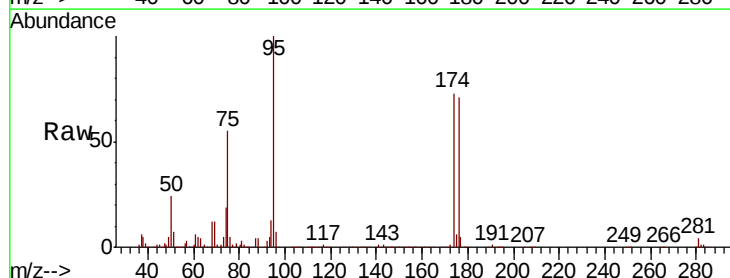
Tgt Ion: 75 Resp: 85827

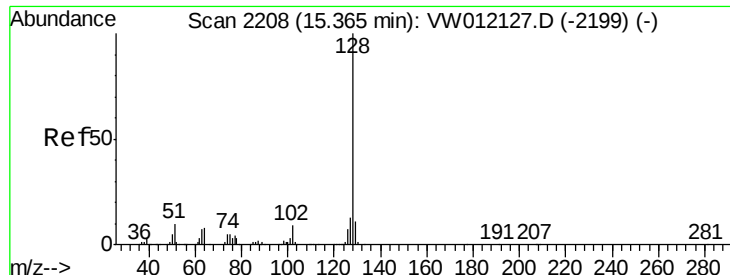
Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.0 34.5 51.7#

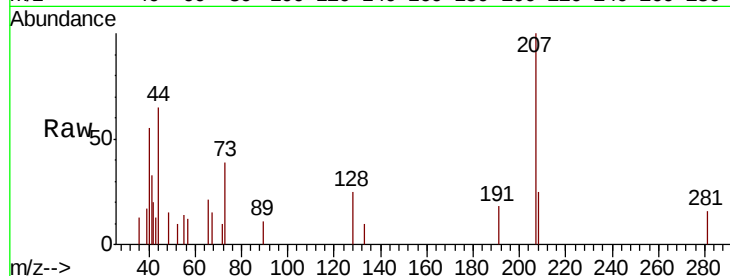




#95
Naphthalene
Concen: 4.336 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW012602.D
Acq: 04 Sep 2019 18:23

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-B3-(0)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	42.2	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

