

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090319\
 Data File : VW012572.D
 Acq On : 04 Sep 2019 03:32
 Operator : SY/VA
 Sample : K4525-06
 Misc : 4.51G/5ML/MSVOA_W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-A1-(1.9)

Quant Time: Sep 04 06:53:30 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	247860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	406540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	314117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83301	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	171276	58.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.26%	
35) Dibromofluoromethane	7.88	113	129972	53.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.12%	
50) Toluene-d8	10.32	98	501637	50.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.62	95	122144	35.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.44%	

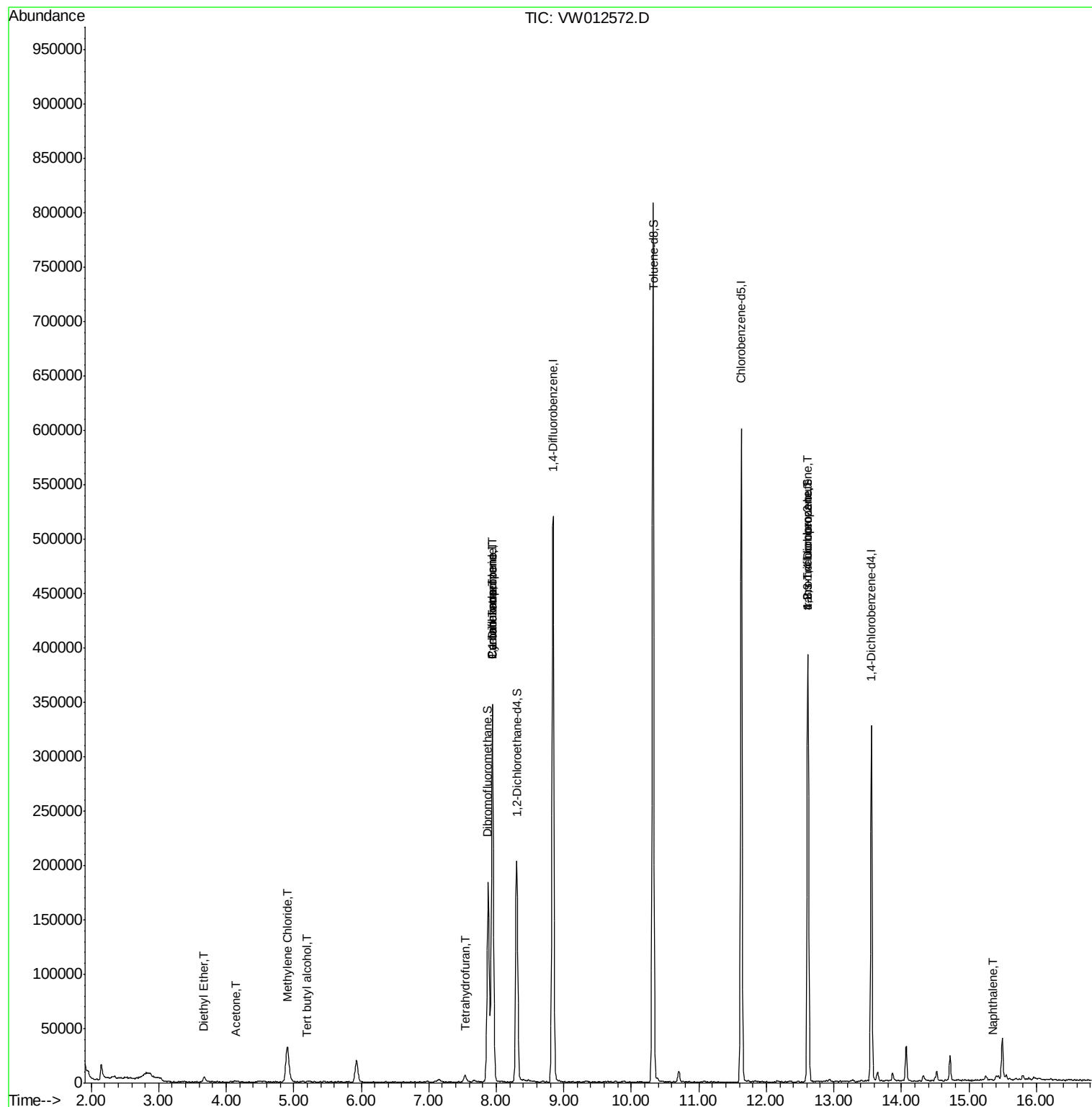
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2233	1.619	ug/l	84
11) Tert butyl alcohol	5.19	59	244	1.376	ug/l #	85
16) Acetone	4.15	43	2598	3.449	ug/l	96
20) Methylene Chloride	4.91	84	23800	8.359	ug/l	91
29) Tetrahydrofuran	7.54	42	5330	8.680	ug/l	94
31) Cyclohexane	7.94	56	6191	1.167	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	20783	4.947	ug/l #	52
38) Carbon Tetrachloride	7.95	117	25533	7.022	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	67132	82.747	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	67132	181.426	ug/l #	6
95) Naphthalene	15.36	128	244	4.392	ug/l #	69

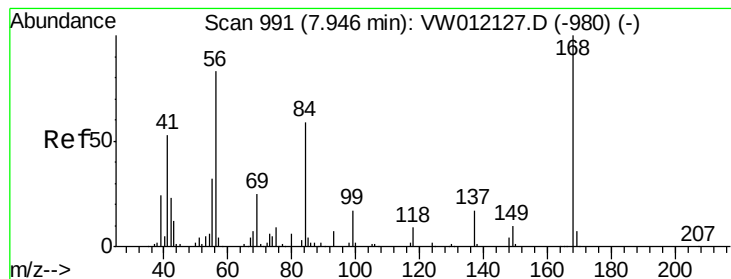
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012572.D

Acq: 04 Sep 2019 03:32

Instrument :

MSVOA_W

ClientSampled :

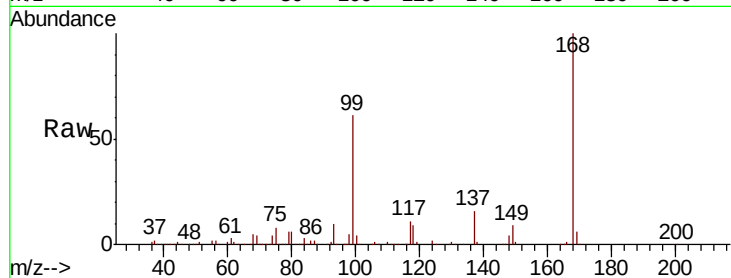
T9-12-13-A1-(1.9)

Tgt Ion:168 Resp: 247860

Ion Ratio Lower Upper

168 100

99 60.7 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

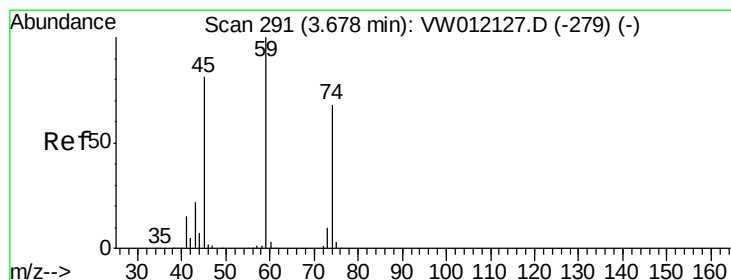
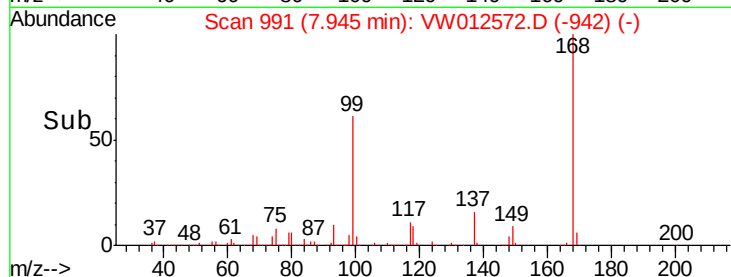
7.95

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.619 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012572.D

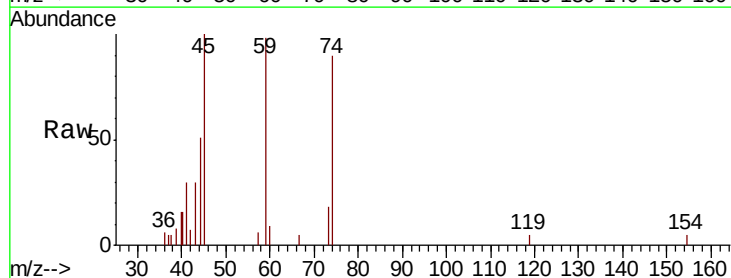
Acq: 04 Sep 2019 03:32

Tgt Ion: 74 Resp: 2233

Ion Ratio Lower Upper

74 100

45 135.6 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

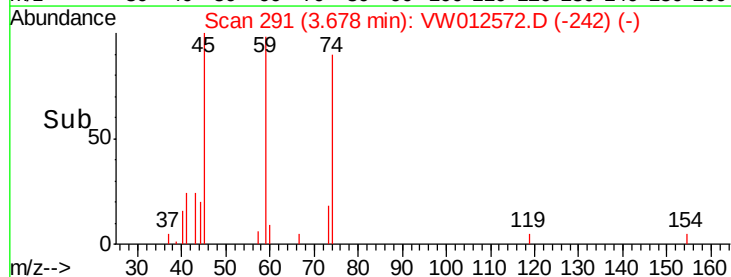
3.68

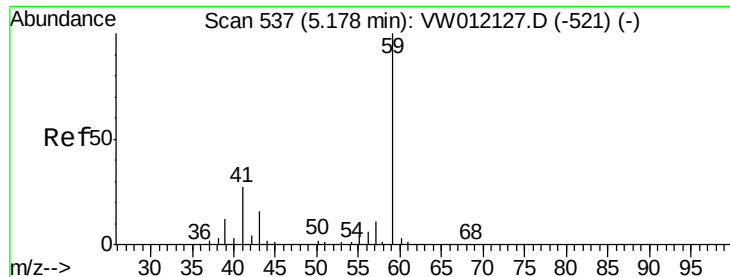
1000

500

0

Time-->

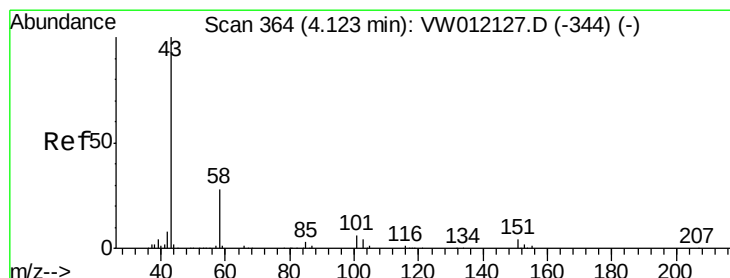
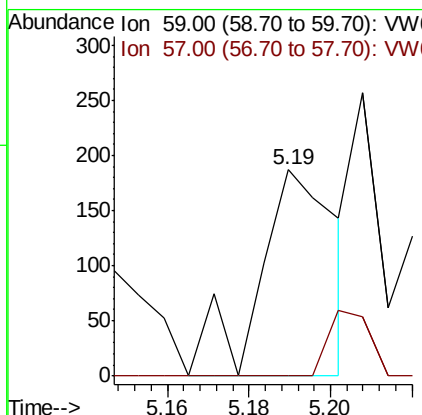
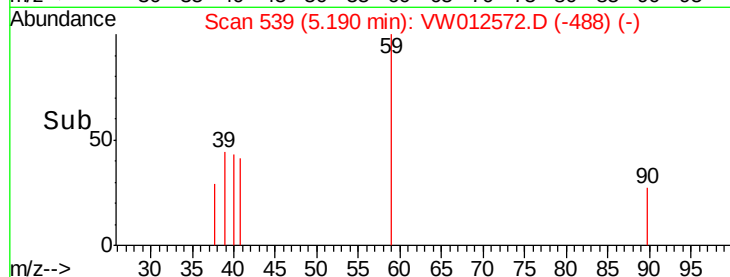
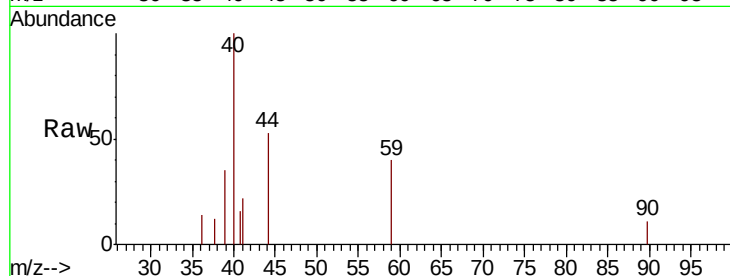




#11
Tert butyl alcohol
Concen: 1.376 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.01 min
Lab File: VW012572.D
Acq: 04 Sep 2019 03:32

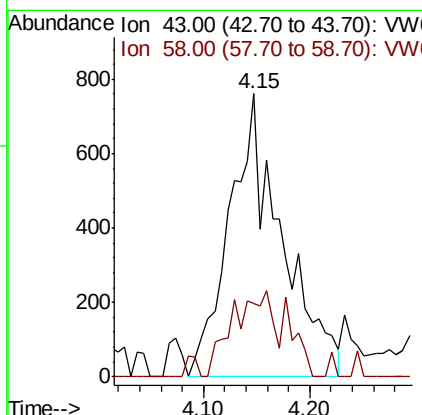
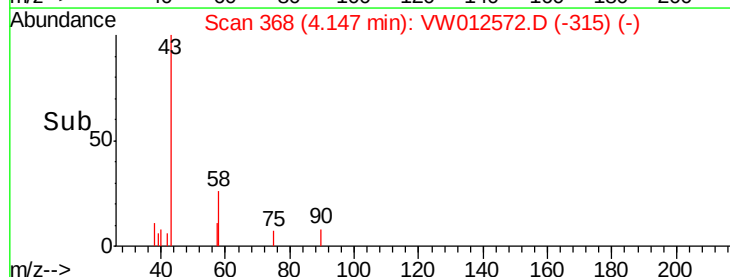
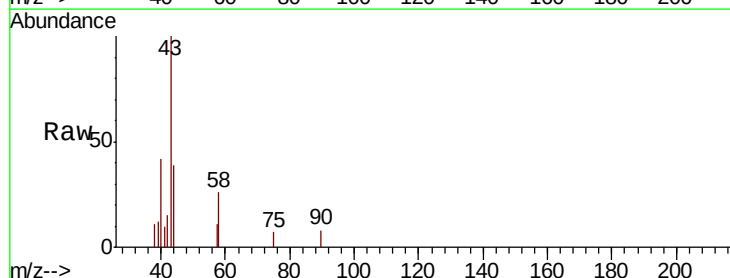
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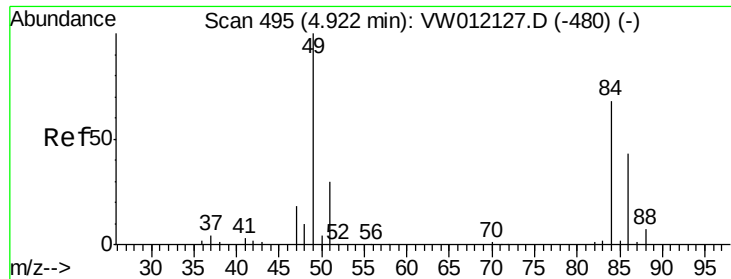
Tgt Ion: 59 Resp: 244
Ion Ratio Lower Upper
59 100
57 16.8 9.0 13.4#



#16
Acetone
Concen: 3.449 ug/l
RT: 4.15 min Scan# 368
Delta R.T. 0.02 min
Lab File: VW012572.D
Acq: 04 Sep 2019 03:32

Tgt Ion: 43 Resp: 2598
Ion Ratio Lower Upper
43 100
58 26.0 22.4 33.6

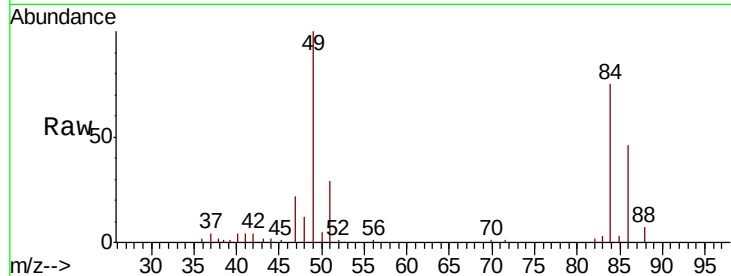




#20
Methylene Chloride
Concen: 8.359 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012572.D
Acq: 04 Sep 2019 03:32

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-A1-(1.9)

Tgt Ion:	84	Resp:	23800
Ion	Ratio	Lower	Upper
84	100		
49	133.0	117.8	176.8
51	38.9	35.6	53.4
86	61.3	51.2	76.8



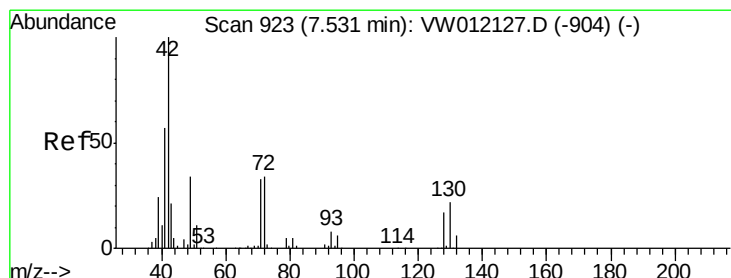
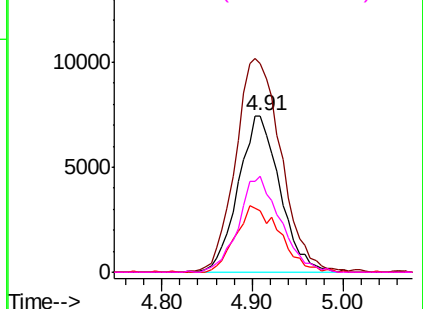
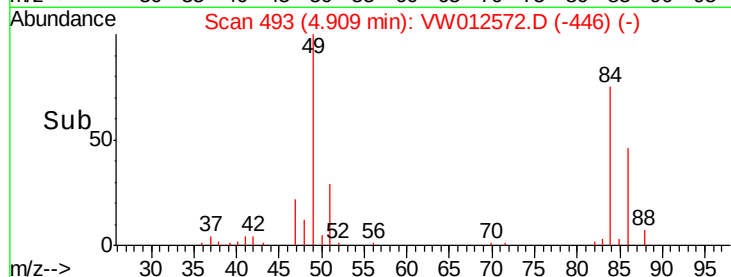
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

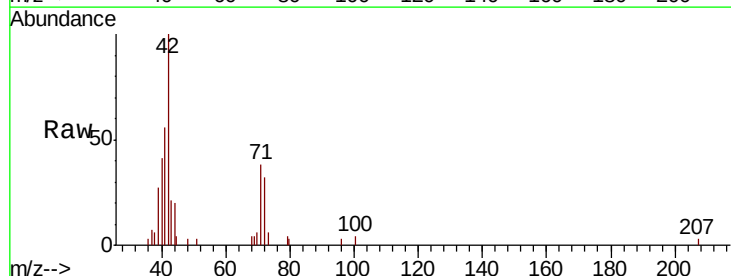
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#29
Tetrahydrofuran
Concen: 8.680 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012572.D
Acq: 04 Sep 2019 03:32

Tgt Ion:	42	Resp:	5330
Ion	Ratio	Lower	Upper
42	100		
72	38.9	27.3	40.9
71	34.2	25.5	38.3

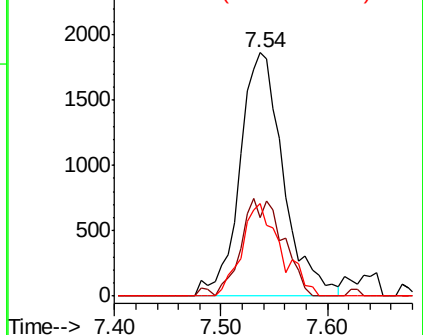
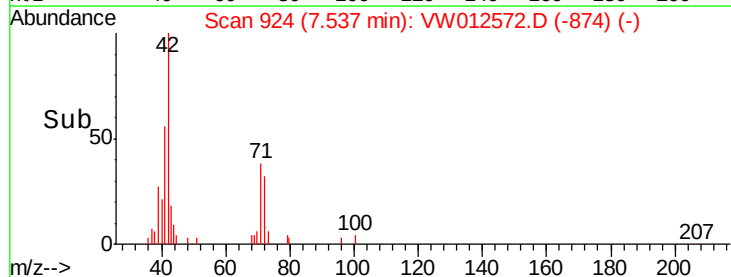


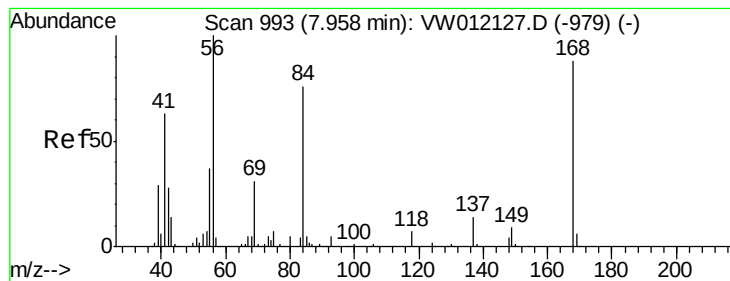
Abundance

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: 1.167 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012572.D

Acq: 04 Sep 2019 03:32

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-A1-(1.9)

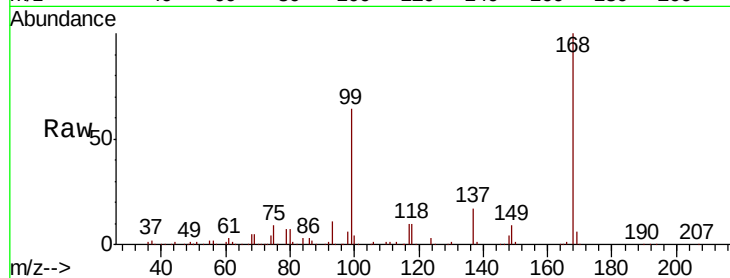
Tgt Ion: 56 Resp: 6191

Ion Ratio Lower Upper

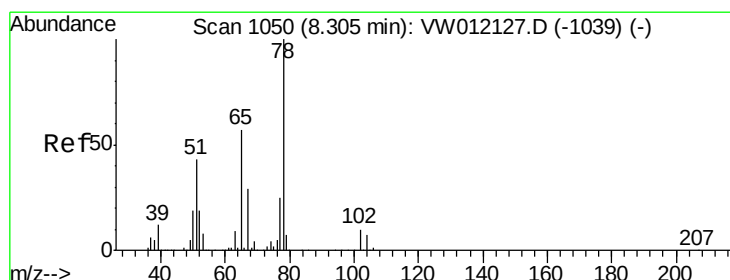
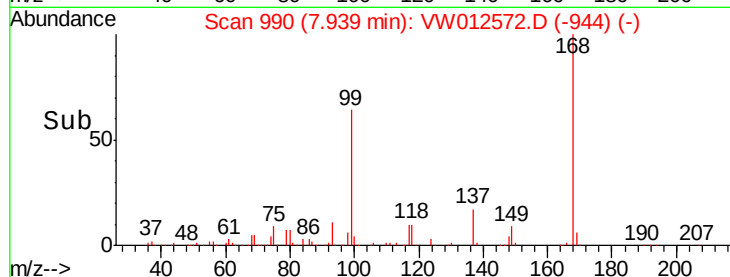
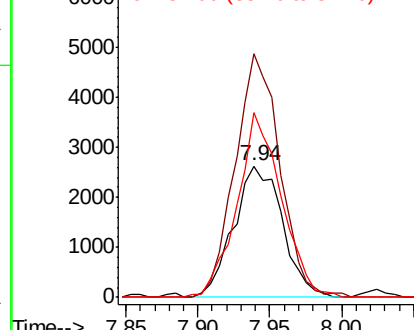
56 100

69 185.2 24.9 37.3#

84 140.2 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: 58.130 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012572.D

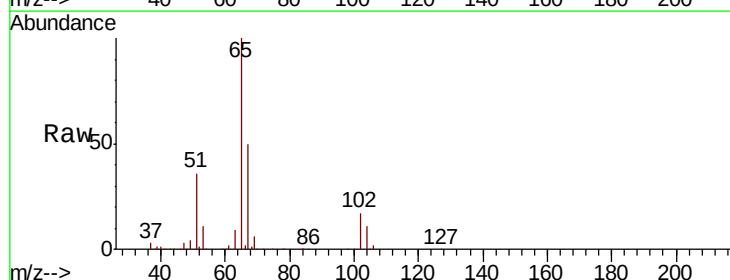
Acq: 04 Sep 2019 03:32

Tgt Ion: 65 Resp: 171276

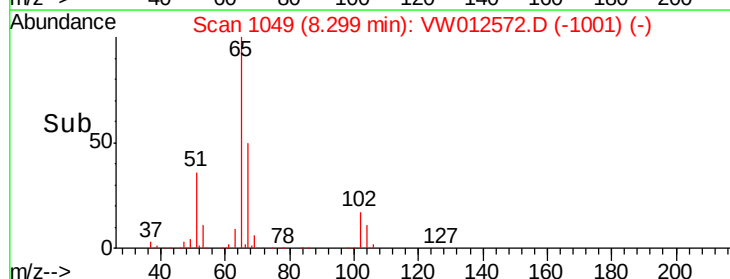
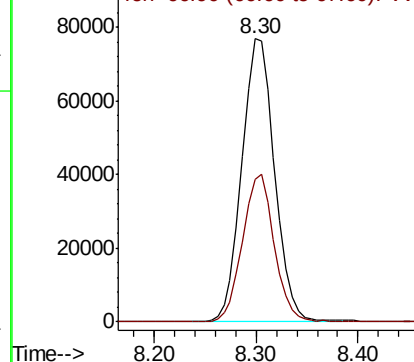
Ion Ratio Lower Upper

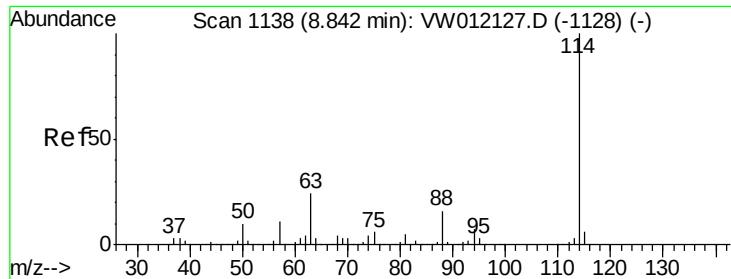
65 100

67 50.4 0.0 102.6



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

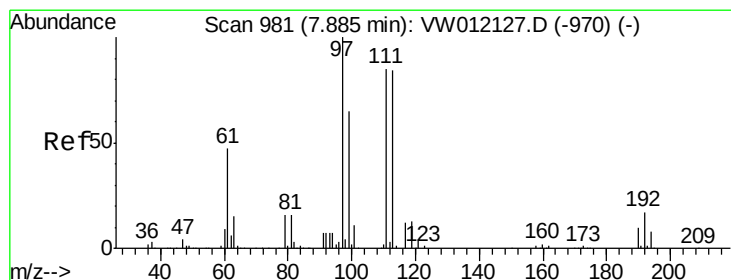
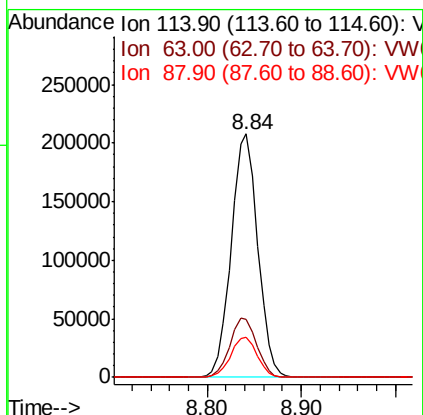
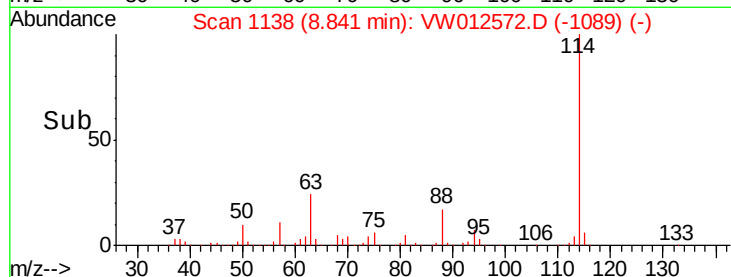
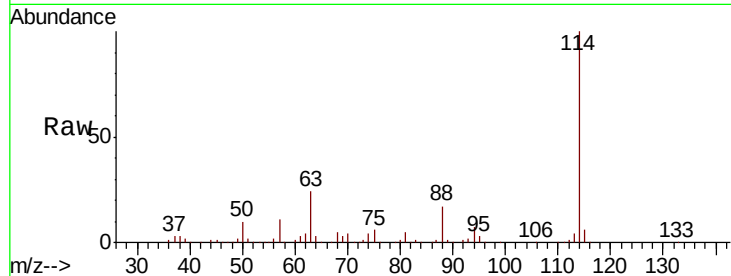




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012572.D
 Acq: 04 Sep 2019 03:32

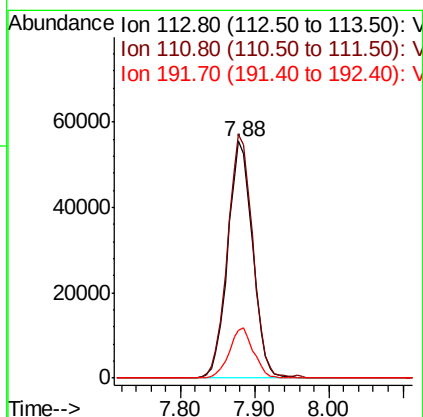
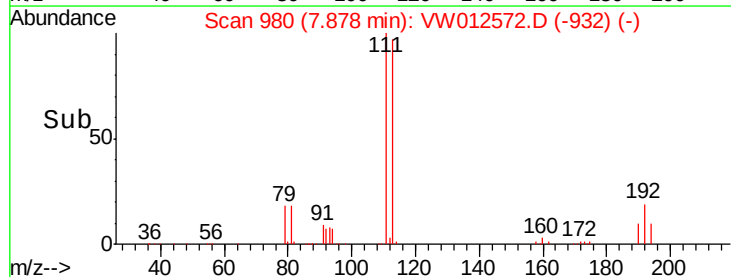
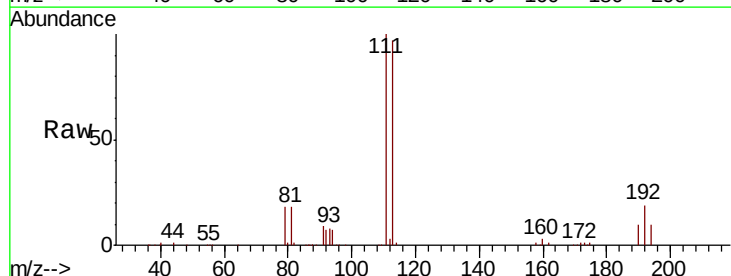
Instrument :
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 T9-12-13-A1-(1.9)

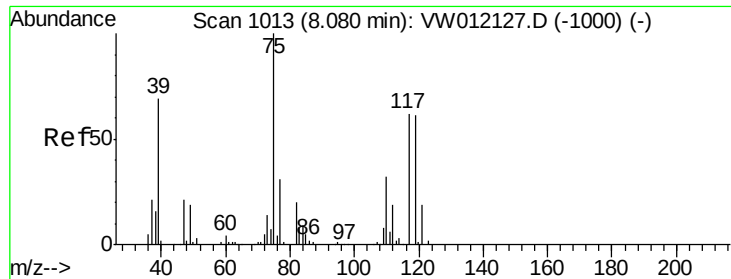
Tgt Ion:114 Resp: 406540
 Ion Ratio Lower Upper
 114 100
 63 23.8 0.0 48.6
 88 16.6 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 53.560 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012572.D
 Acq: 04 Sep 2019 03:32

Tgt Ion:113 Resp: 129972
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.7 124.1
 192 20.7 16.2 24.2

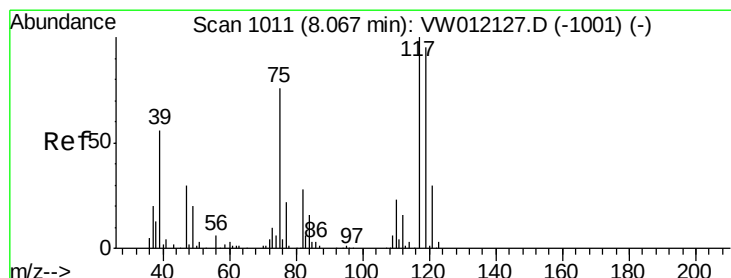
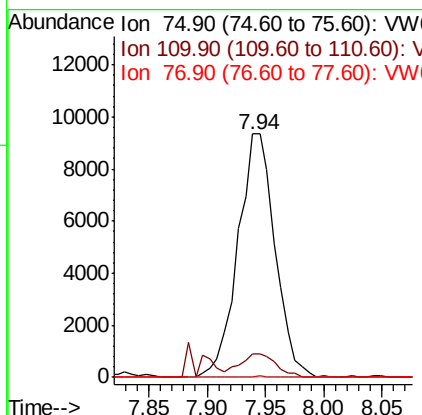
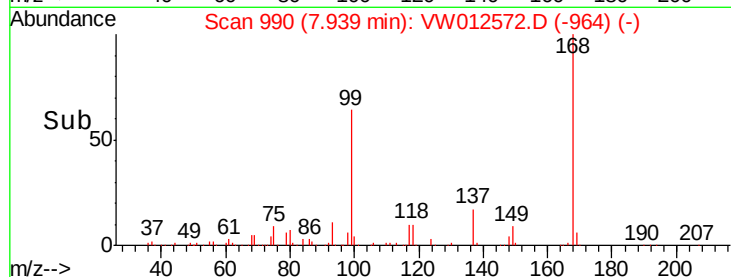
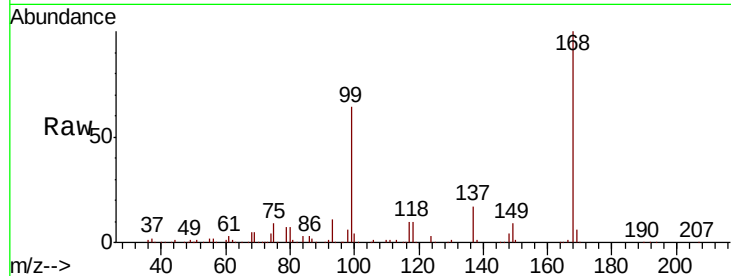




#36
 1,1-Dichloropropene
 Concen: 4.947 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012572.D
 Acq: 04 Sep 2019 03:32

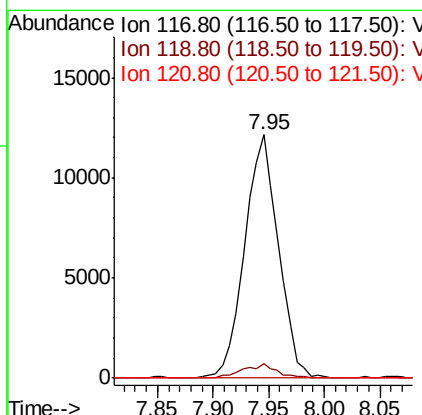
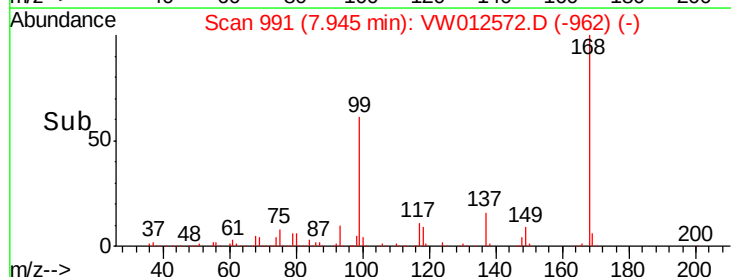
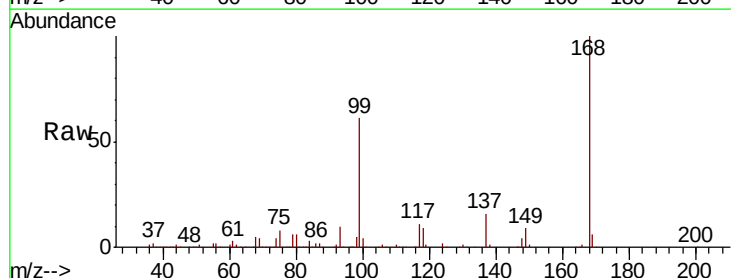
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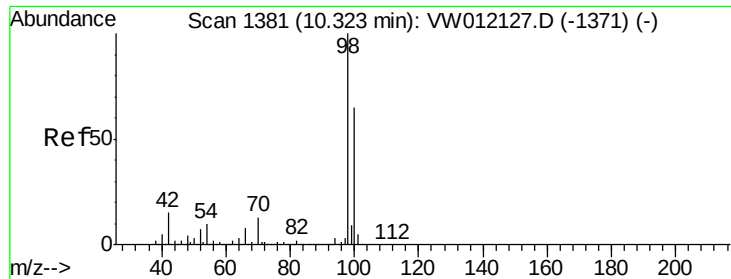
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	15.6	46.8#
77	0.1	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 7.022 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012572.D
 Acq: 04 Sep 2019 03:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.2	114.2#
121	0.0	23.8	35.8#

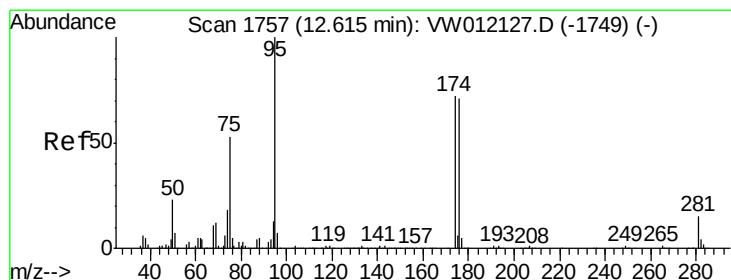
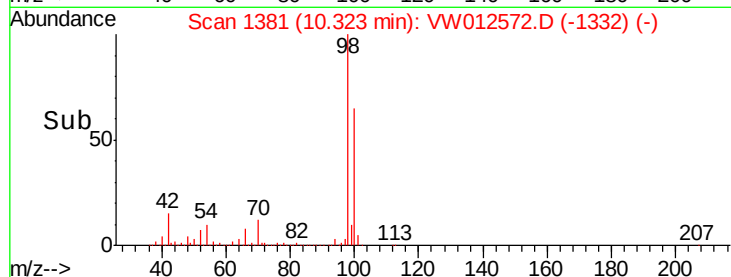
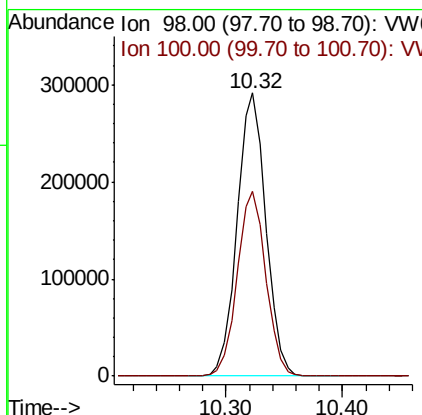
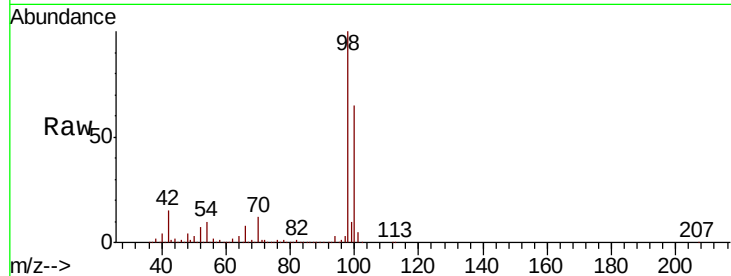




#50
Toluene-d8
Concen: 50.983 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012572.D
Acq: 04 Sep 2019 03:32

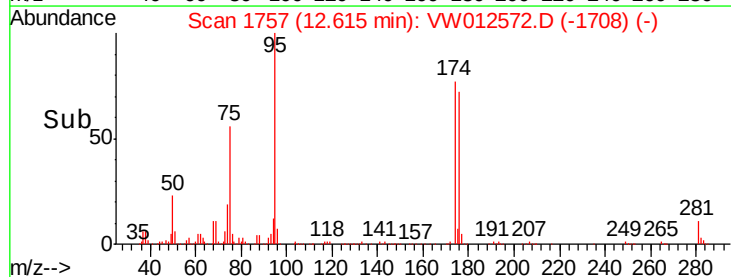
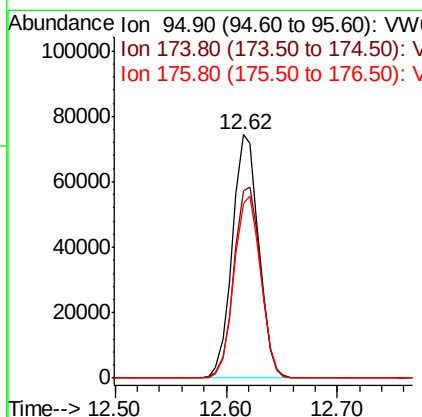
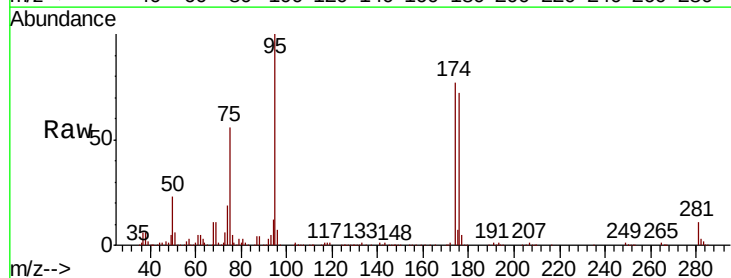
Instrument :
MSVOA_W
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T9-12-13-A1-(1.9)

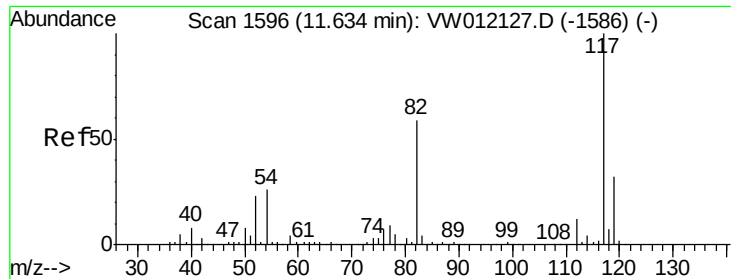
Tgt Ion: 98 Resp: 501637
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 35.217 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012572.D
Acq: 04 Sep 2019 03:32

Tgt Ion: 95 Resp: 122144
Ion Ratio Lower Upper
95 100
174 79.6 0.0 150.8
176 75.8 0.0 148.6

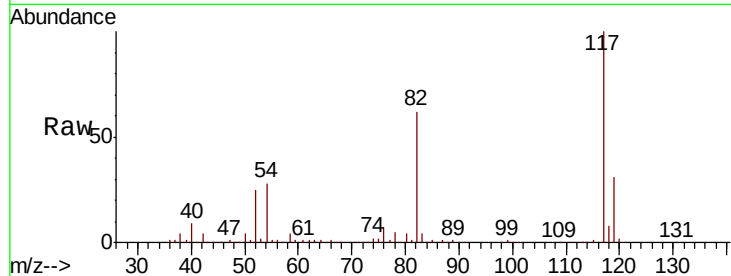




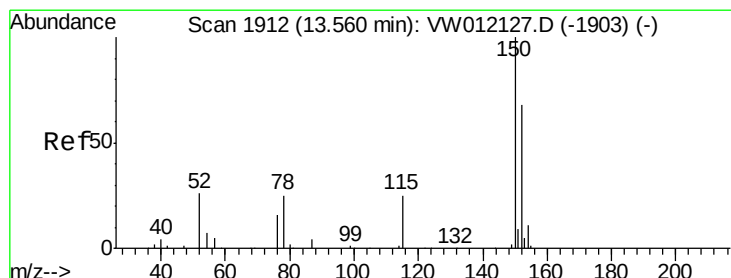
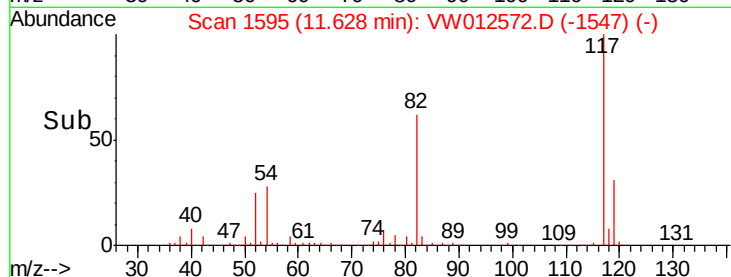
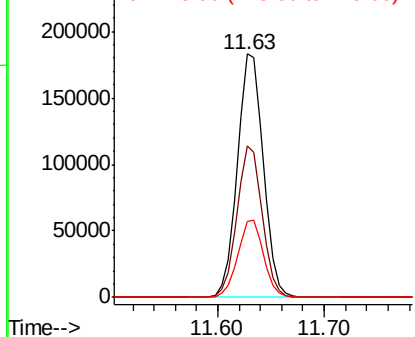
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012572.D
Acq: 04 Sep 2019 03:32

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-A1-(1.9)

Tgt Ion:117 Resp: 314117
Ion Ratio Lower Upper
117 100
82 62.0 47.4 71.2
119 31.3 25.4 38.2

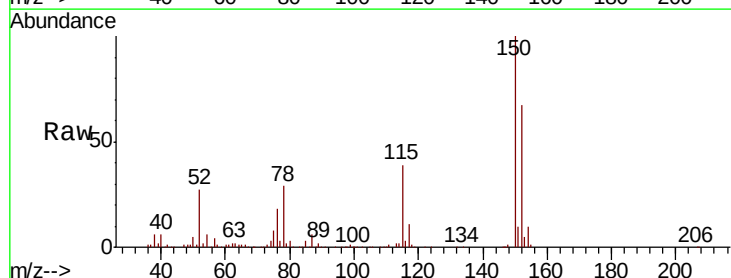


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

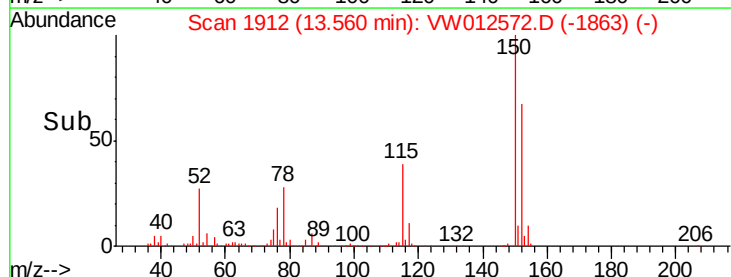
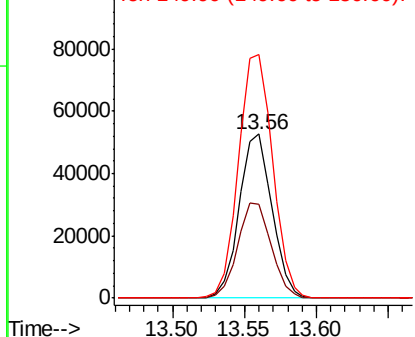


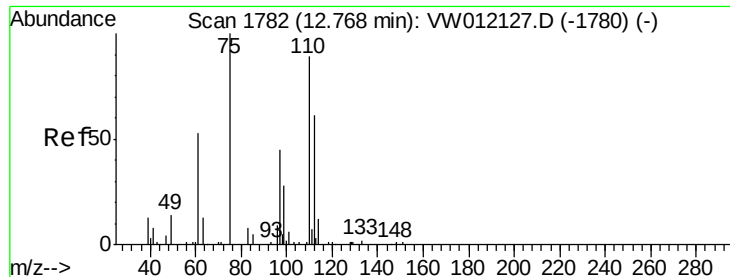
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012572.D
Acq: 04 Sep 2019 03:32

Tgt Ion:152 Resp: 83301
Ion Ratio Lower Upper
152 100
115 59.3 30.1 90.3
150 154.8 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: 82.747 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012572.D

Acq: 04 Sep 2019 03:32

Instrument :

MSVOA_W

ClientSampleId :

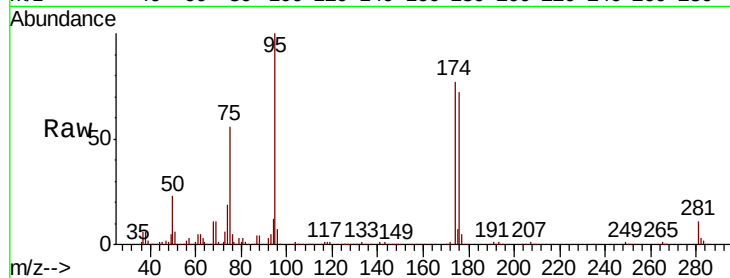
T9-12-13-A1-(1.9)

Tgt Ion: 75 Resp: 67132

Ion Ratio Lower Upper

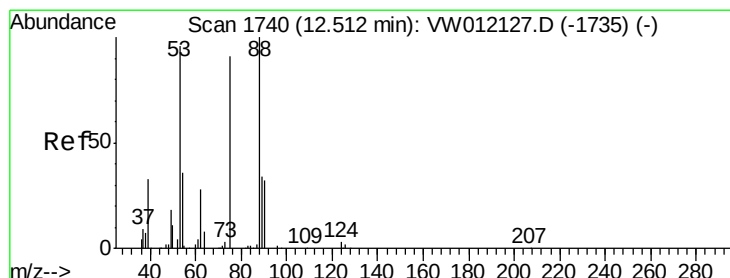
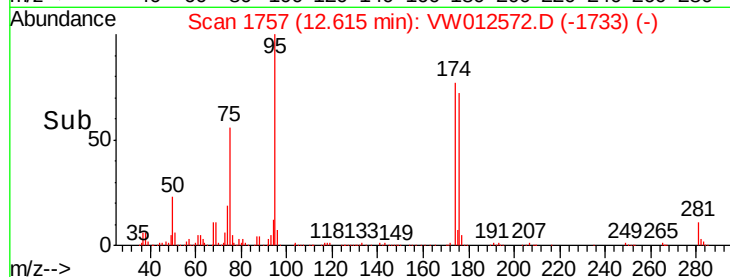
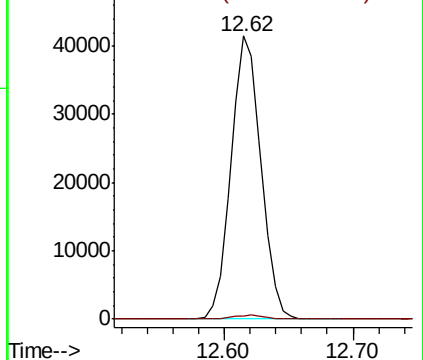
75 100

77 1.5 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: 181.426 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012572.D

Acq: 04 Sep 2019 03:32

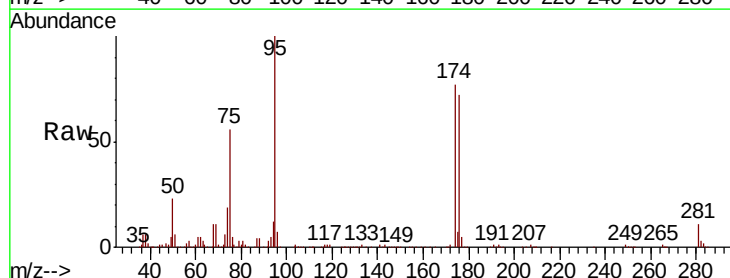
Tgt Ion: 75 Resp: 67132

Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

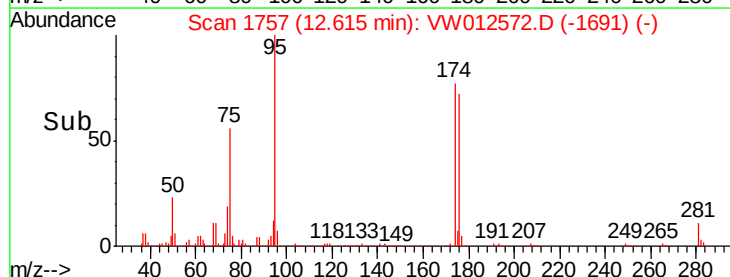
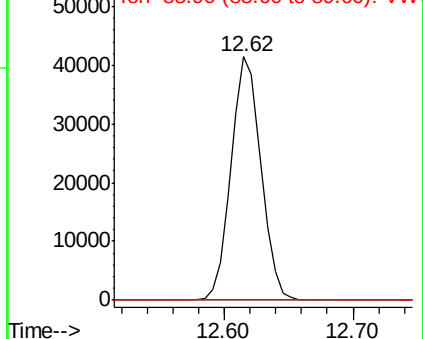
89 0.1 34.5 51.7#

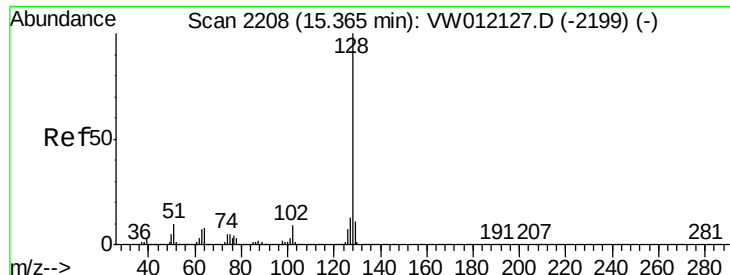


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 4.392 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012572.D

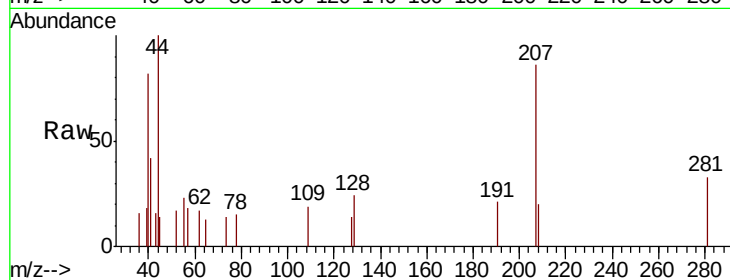
Acq: 04 Sep 2019 03:32

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-A1-(1.9)



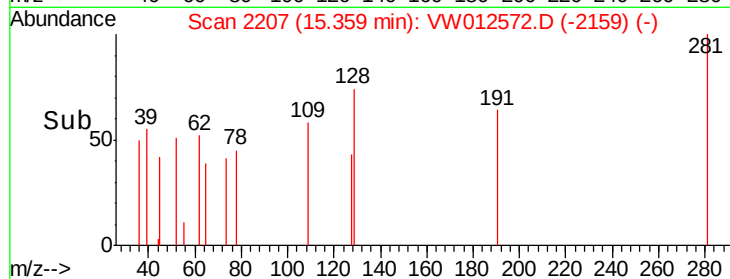
Tgt Ion:128 Resp: 244

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

200

150

100

50

0

15.35

15.36

15.40

Time-->