

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
 Data File : VW012479.D
 Acq On : 02 Sep 2019 05:50
 Operator : SY/VA
 Sample : K4528-05
 Misc : 5.36G/5ML/MSVOA_W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-Q3-(1.9)

Quant Time: Sep 02 07:26:35 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

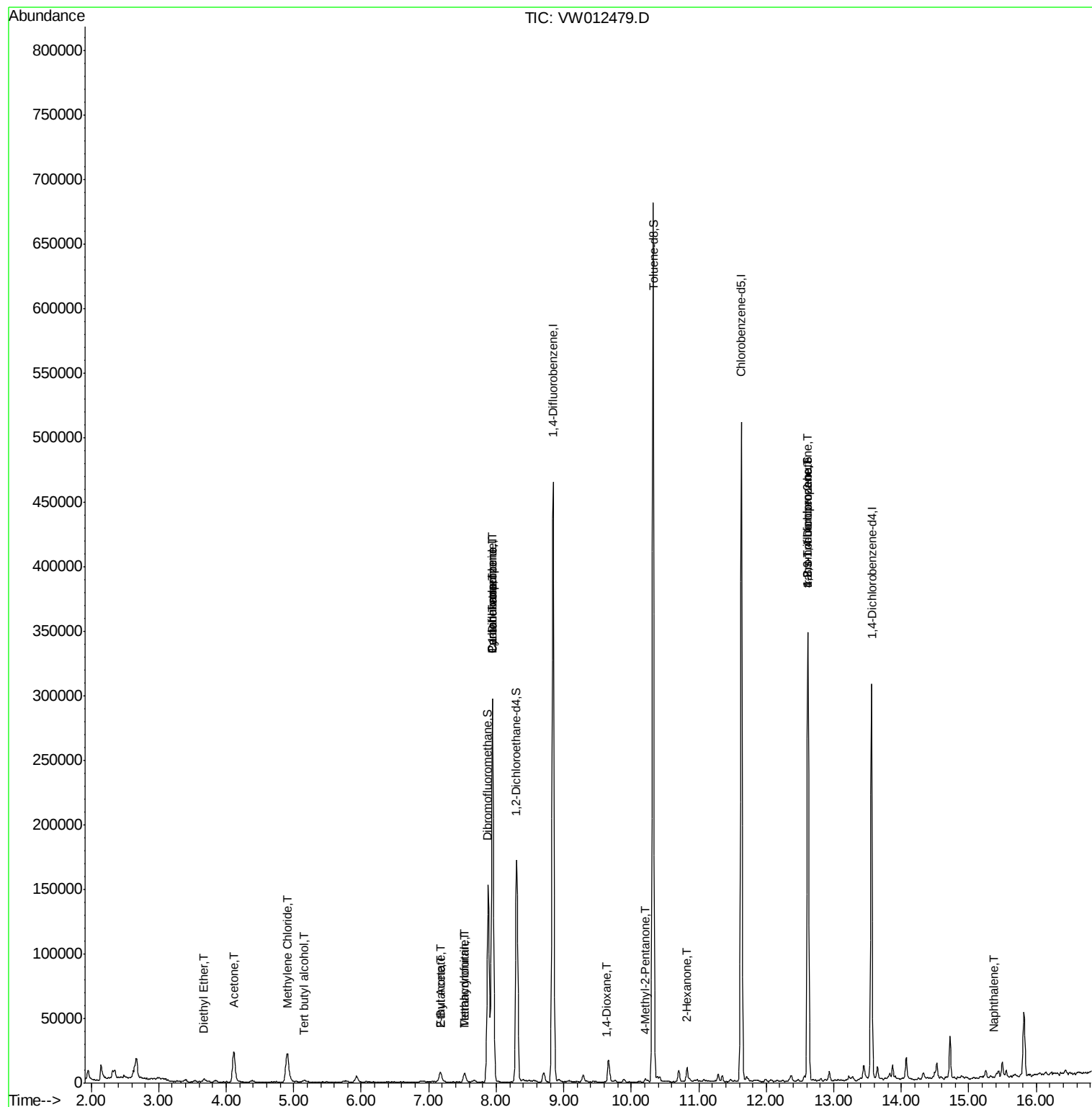
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	215568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	356544	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	269144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	76604	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	144404	56.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.70%	
35) Dibromofluoromethane	7.88	113	108611	51.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.06%	
50) Toluene-d8	10.32	98	419672	48.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.26%	
62) 4-Bromofluorobenzene	12.62	95	112685	37.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.10%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.67	74	1281	1.068	ug/l	88
11) Tert butyl alcohol	5.16	59	2546	16.509	ug/l #	91
16) Acetone	4.11	43	43423	66.290	ug/l	98
20) Methylene Chloride	4.90	84	15429	6.231	ug/l	91
25) 2-Butanone	7.17	43	13082	14.697	ug/l	97
29) Tetrahydrofuran	7.54	42	5853	10.960	ug/l	95
31) Cyclohexane	7.95	56	5751	1.246	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18442	5.005	ug/l #	52
37) Ethyl Acetate	7.17	43	13082	6.479	ug/l #	73
38) Carbon Tetrachloride	7.95	117	21954	6.884	ug/l #	16
41) Methacrylonitrile	7.53	41	3906	3.292	ug/l #	52
49) 1,4-Dioxane	9.62	88	25	1.356	ug/l #	14
51) 4-Methyl-2-Pentanone	10.21	43	2074	1.090	ug/l	96
59) 2-Hexanone	10.83	43	8102	6.020	ug/l	76
76) 1,2,3-Trichloropropane	12.62	75	62391	83.626	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62391	183.354	ug/l #	6
95) Naphthalene	15.37	128	538	4.491	ug/l #	91

(#) = 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: VW012479.D

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Instrument :

MSVOA_W

ClientSampleId :

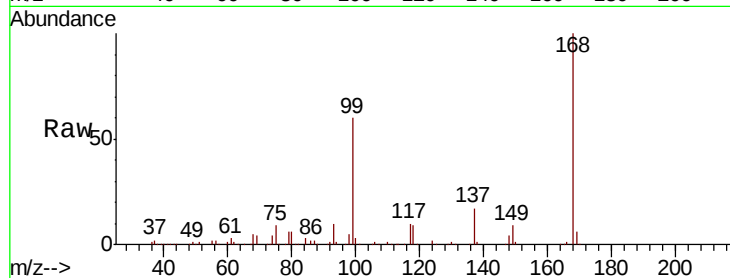
T9-12-13-Q3-(1.9)

Tgt Ion:168 Resp: 215568

Ion Ratio Lower Upper

168 100

99 60.5 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

80000

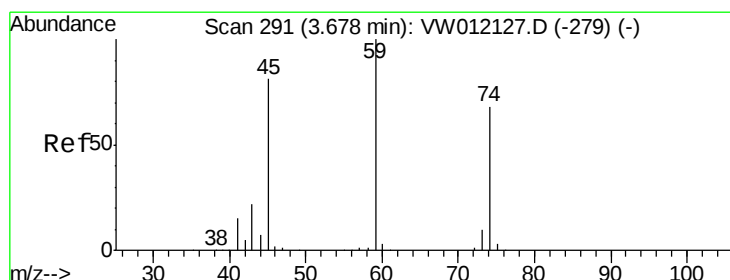
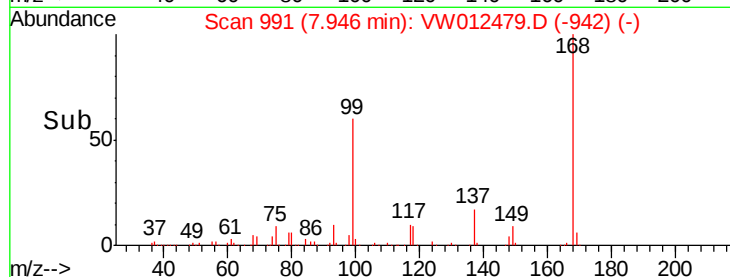
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.068 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW012479.D

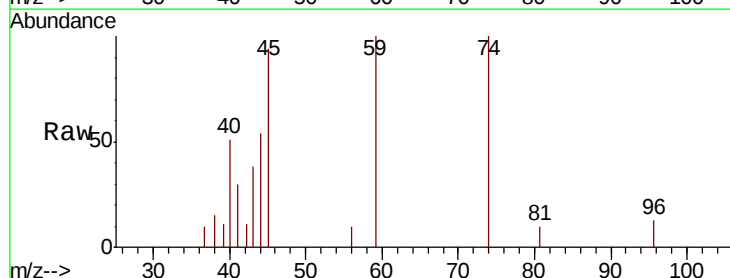
Acq: 02 Sep 2019 05:50

Tgt Ion: 74 Resp: 1281

Ion Ratio Lower Upper

74 100

45 131.8 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

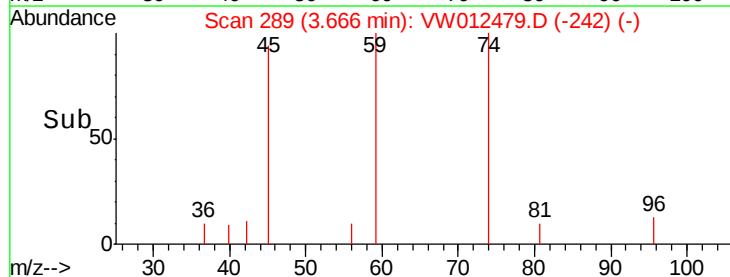
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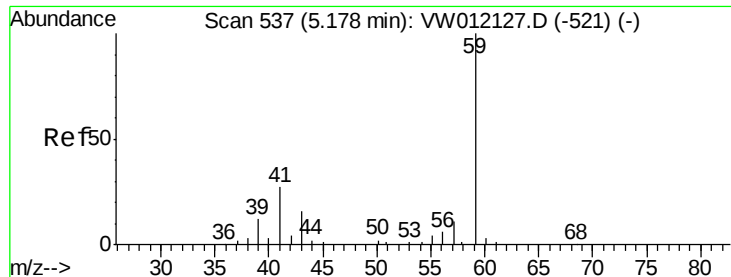
400

200

0

Time--> 3.60 3.65 3.70 3.75

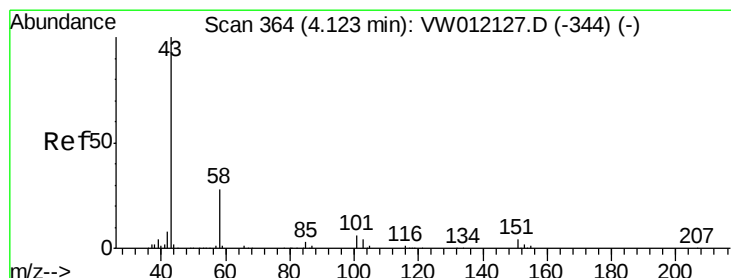
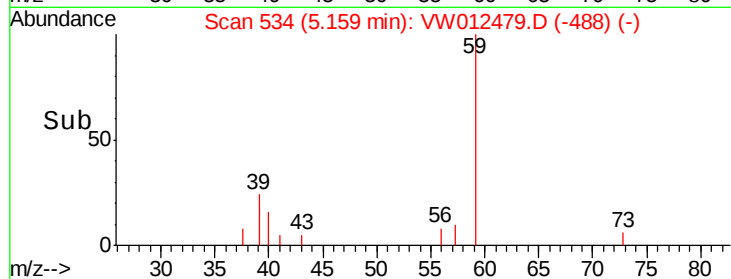
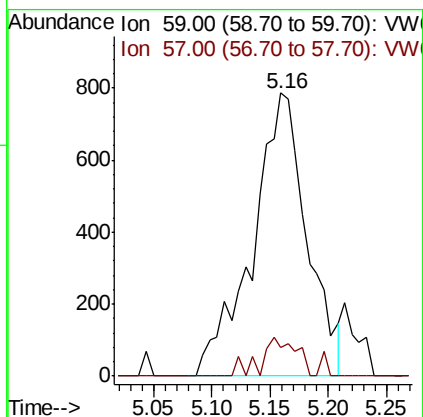
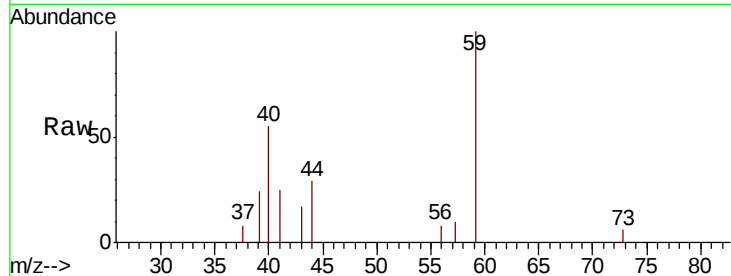




#11
Tert butyl alcohol
Concen: 16.509 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.02 min
Lab File: VW012479.D
Acq: 02 Sep 2019 05:50

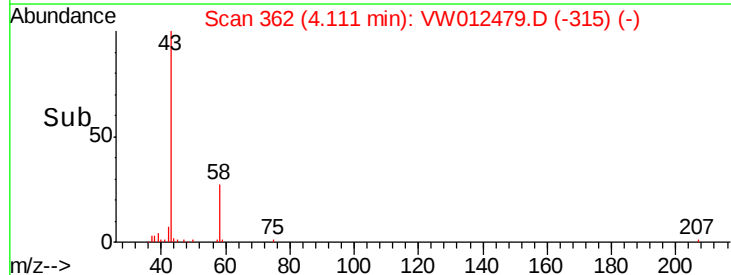
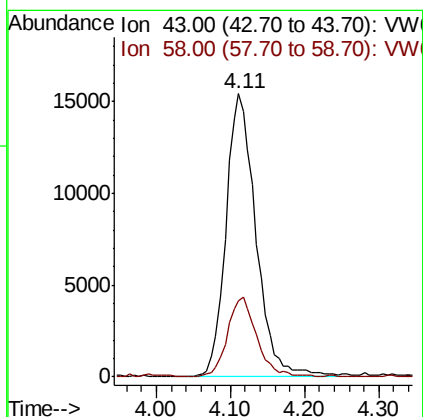
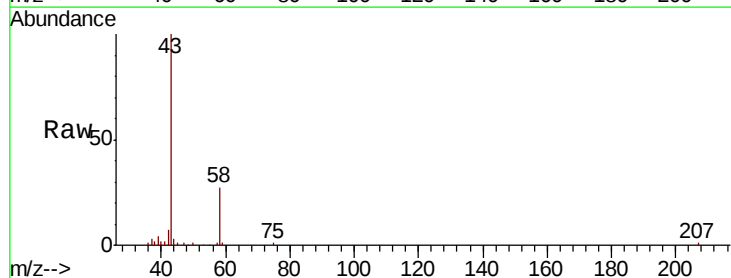
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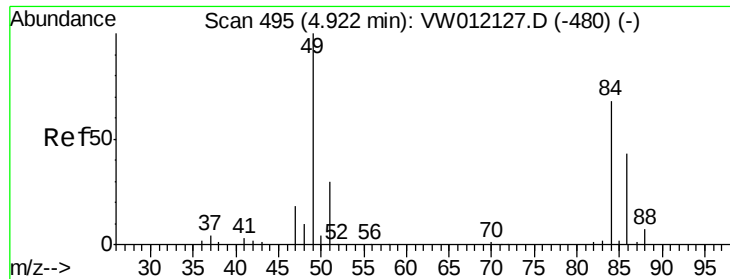
Tgt Ion: 59 Resp: 2546
Ion Ratio Lower Upper
59 100
57 7.9 9.0 13.4#



#16
Acetone
Concen: 66.290 ug/l
RT: 4.11 min Scan# 362
Delta R.T. -0.01 min
Lab File: VW012479.D
Acq: 02 Sep 2019 05:50

Tgt Ion: 43 Resp: 43423
Ion Ratio Lower Upper
43 100
58 26.8 22.4 33.6

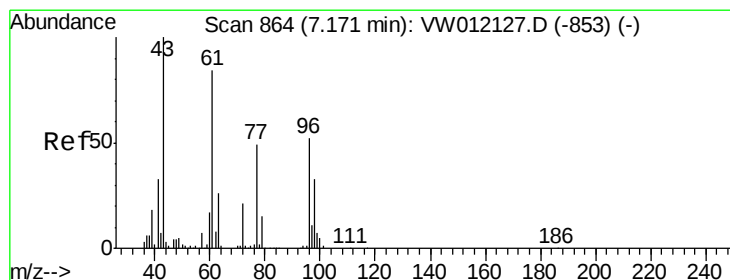
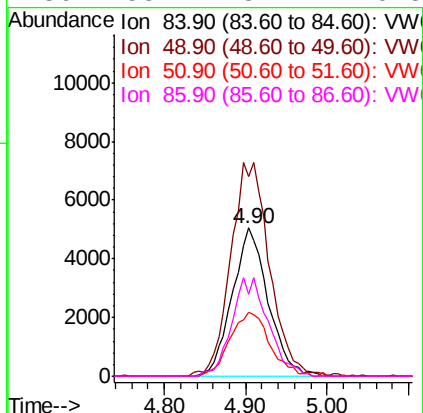
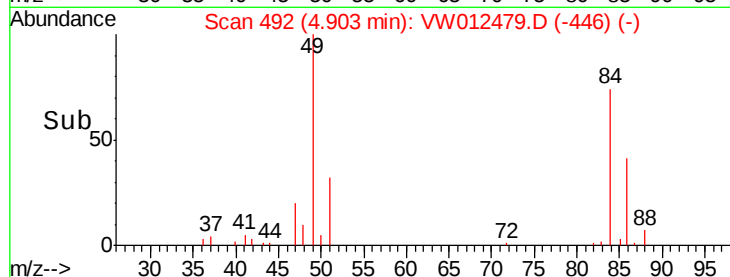
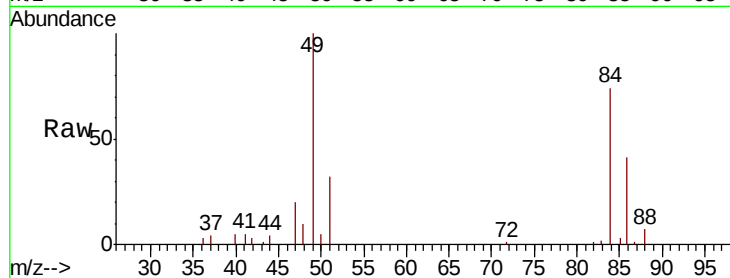




#20
Methylene Chloride
Concen: 6.231 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012479.D
Acq: 02 Sep 2019 05:50

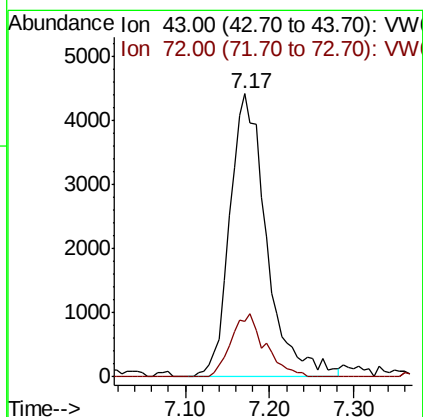
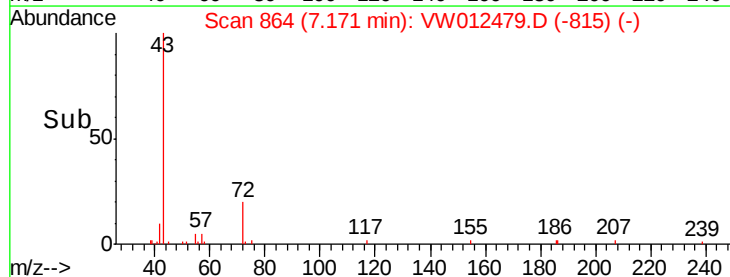
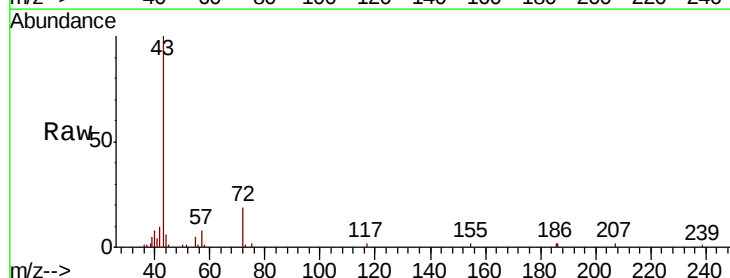
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-Q3-(1.9)

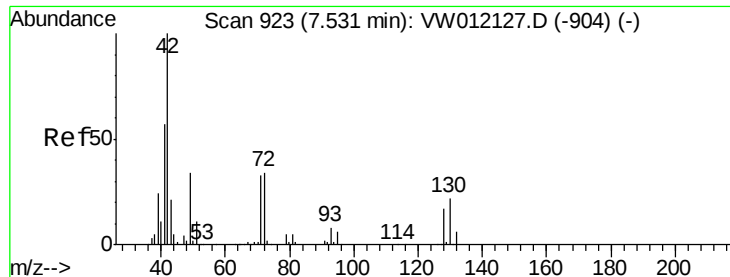
Tgt Ion: 84 Resp: 15429
Ion Ratio Lower Upper
84 100
49 134.7 117.8 176.8
51 43.0 35.6 53.4
86 55.1 51.2 76.8



#25
2-Butanone
Concen: 14.697 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW012479.D
Acq: 02 Sep 2019 05:50

Tgt Ion: 43 Resp: 13082
Ion Ratio Lower Upper
43 100
72 19.4 16.6 24.8

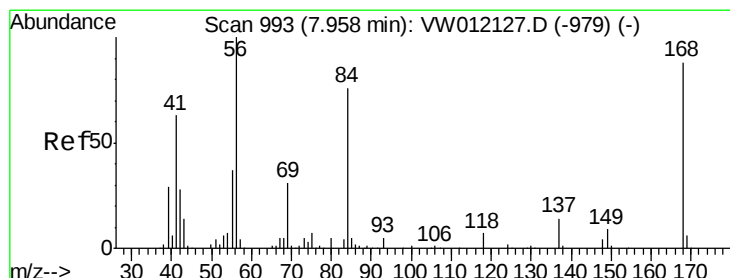
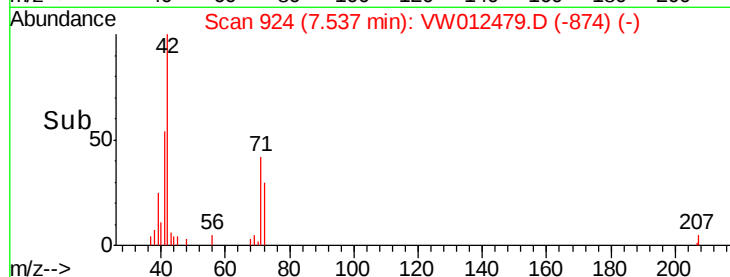
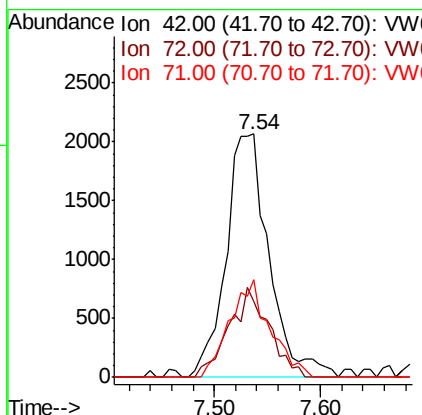
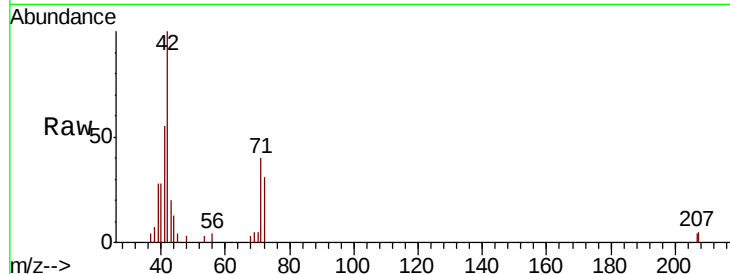




#29
Tetrahydrofuran
Concen: 10.960 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012479.D
Acq: 02 Sep 2019 05:50

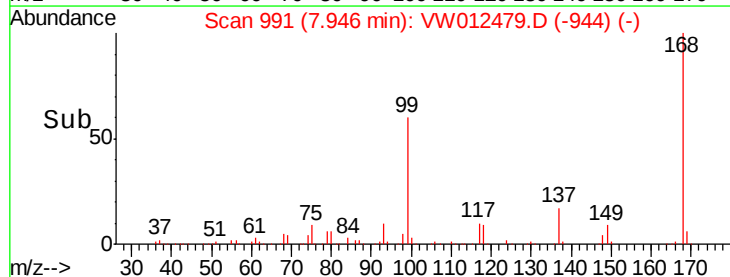
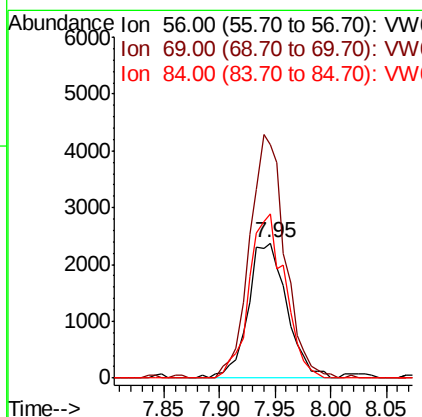
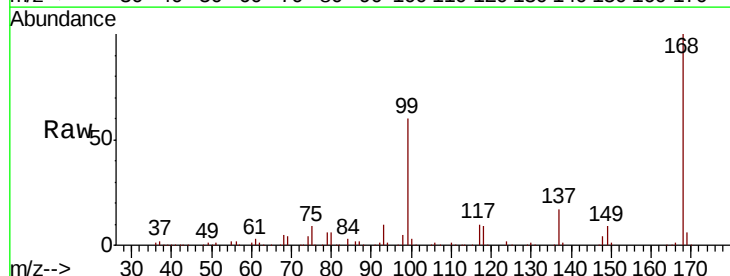
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-Q3-(1.9)

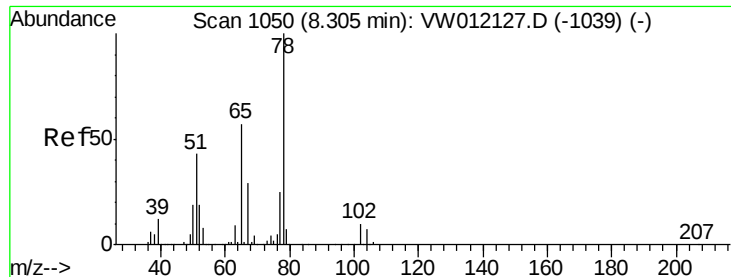
Tgt Ion: 42 Resp: 5853
Ion Ratio Lower Upper
42 100
72 34.3 27.3 40.9
71 37.4 25.5 38.3



#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012479.D
Acq: 02 Sep 2019 05:50

Tgt Ion: 56 Resp: 5751
Ion Ratio Lower Upper
56 100
69 173.1 24.9 37.3#
84 121.2 60.6 90.8#

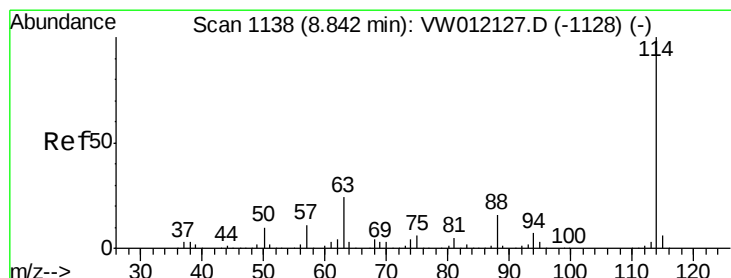
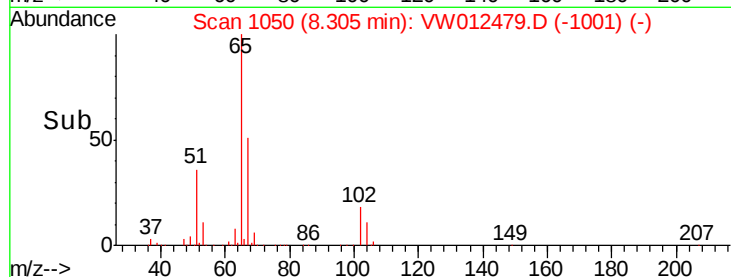
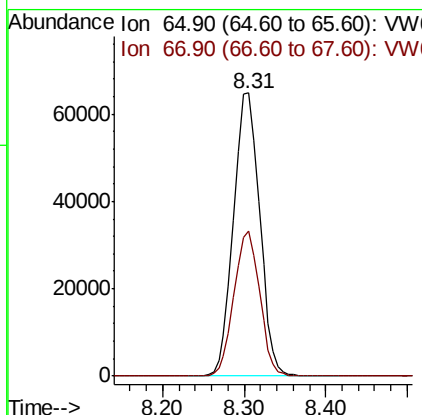
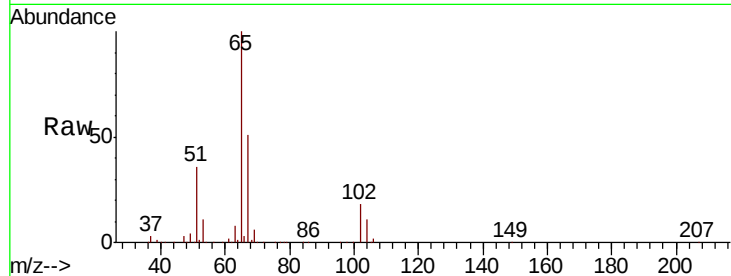




#33
 1,2-Dichloroethane-d4
 Concen: 56.351 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012479.D
 Acq: 02 Sep 2019 05:50

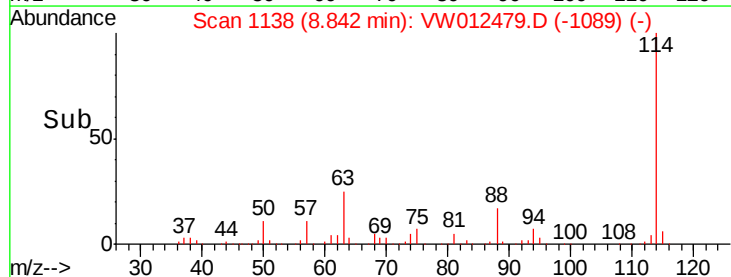
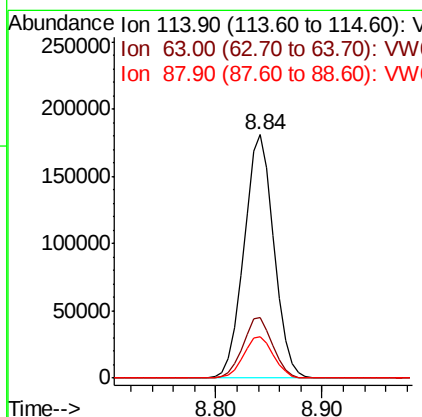
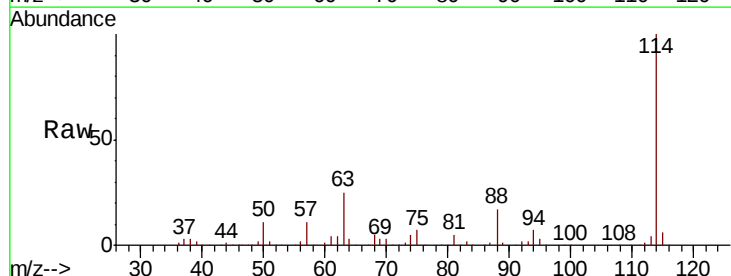
Instrument :
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 ClientSampleId :
 T9-12-13-Q3-(1.9)

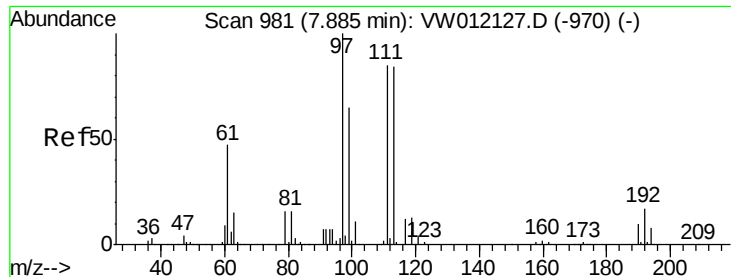
Tgt Ion: 65 Resp: 144404
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012479.D
 Acq: 02 Sep 2019 05:50

Tgt Ion: 114 Resp: 356544
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 48.6
 88 17.0 0.0 32.2

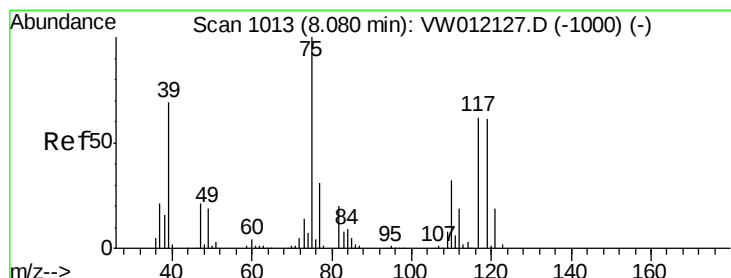
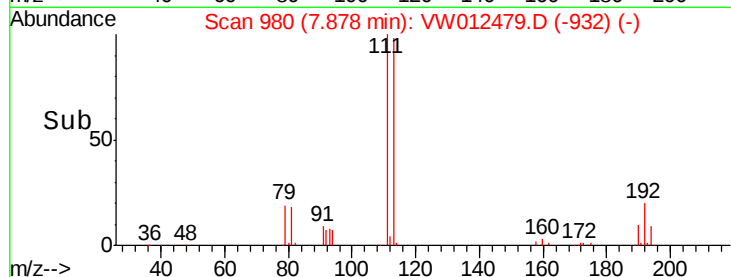
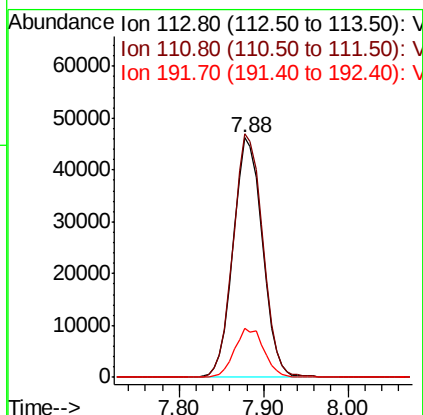
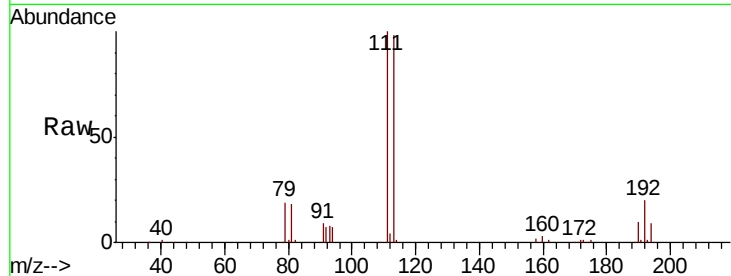




#35
 Dibromofluoromethane
 Concen: 51.034 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012479.D
 Acq: 02 Sep 2019 05:50

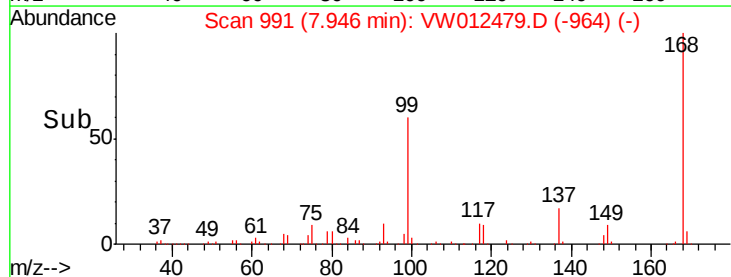
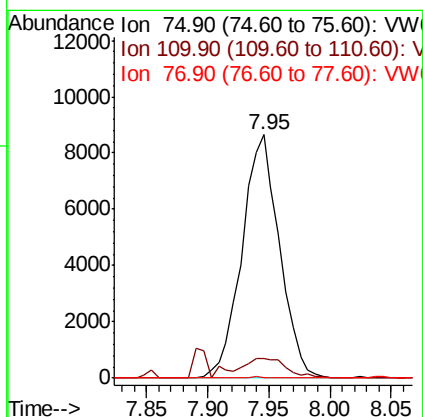
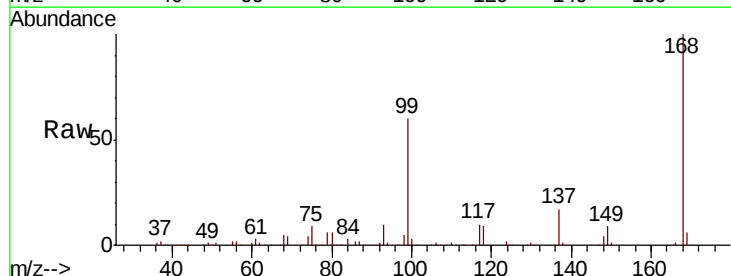
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 T9-12-13-Q3-(1.9)

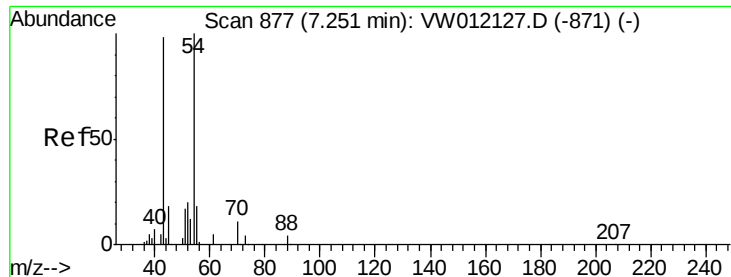
Tgt Ion:113 Resp: 108611
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.7 124.1
 192 20.5 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 5.005 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012479.D
 Acq: 02 Sep 2019 05:50

Tgt Ion: 75 Resp: 18442
 Ion Ratio Lower Upper
 75 100
 110 9.5 15.6 46.8#
 77 0.1 24.6 36.8#

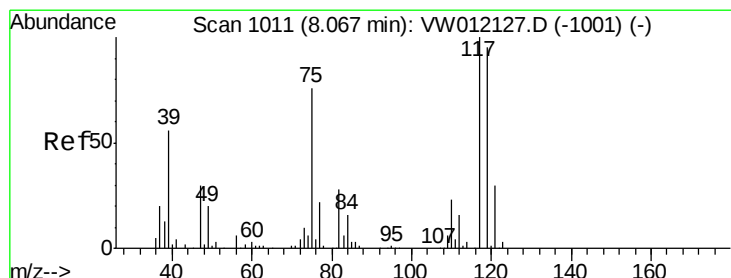
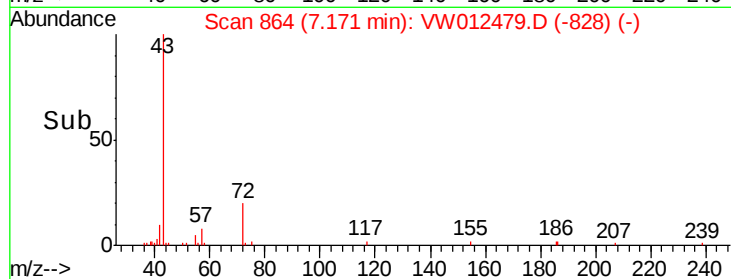
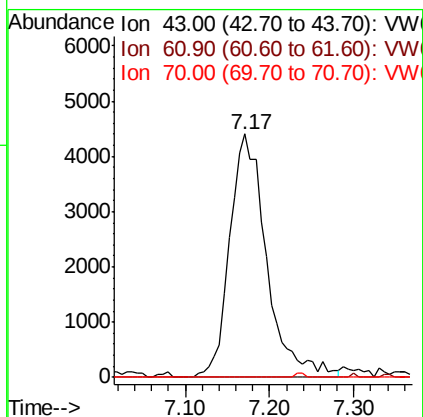
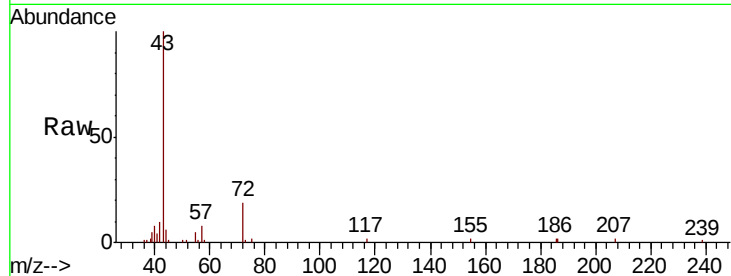




#37
 Ethyl Acetate
 Concen: 6.479 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW012479.D
 Acq: 02 Sep 2019 05:50

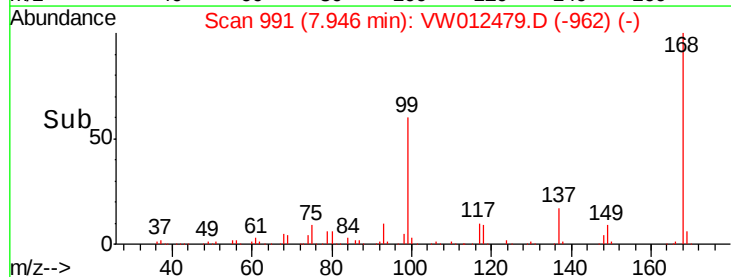
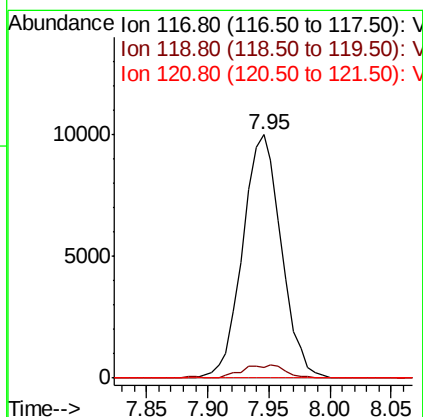
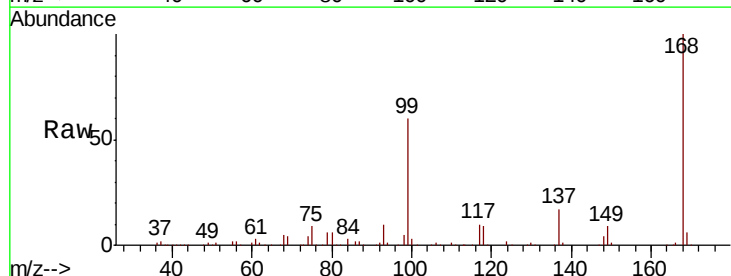
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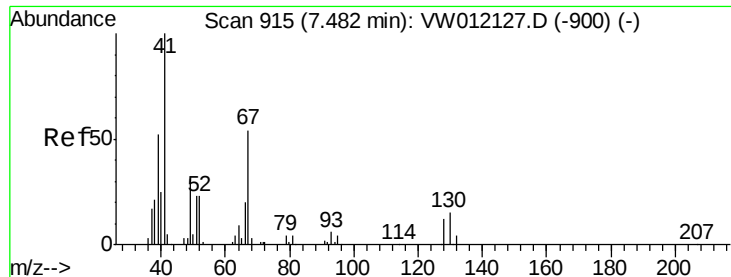
Tgt Ion: 43 Resp: 13082
 Ion Ratio Lower Upper
 43 100
 61 0.0 9.2 13.8#
 70 0.0 6.9 10.3#



#38
 Carbon Tetrachloride
 Concen: 6.884 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012479.D
 Acq: 02 Sep 2019 05:50

Tgt Ion: 117 Resp: 21954
 Ion Ratio Lower Upper
 117 100
 119 4.3 76.2 114.2#
 121 0.0 23.8 35.8#

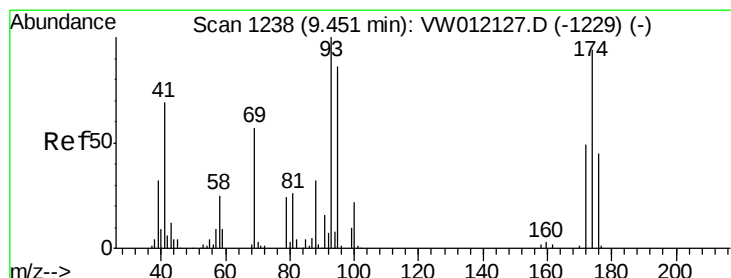
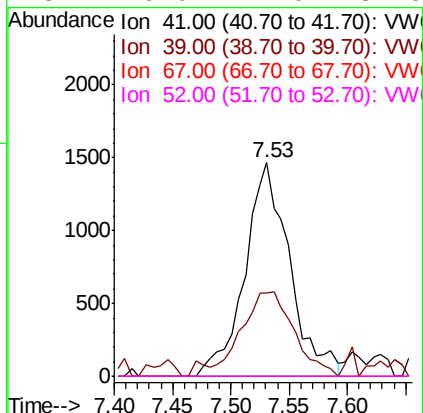
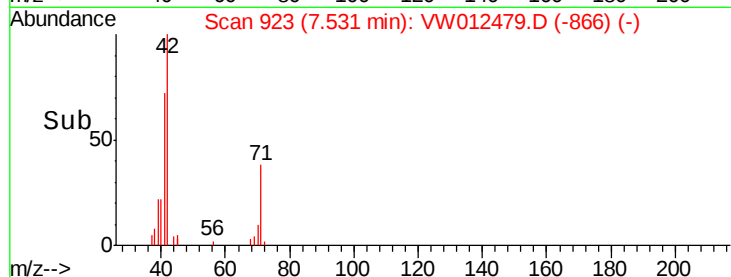
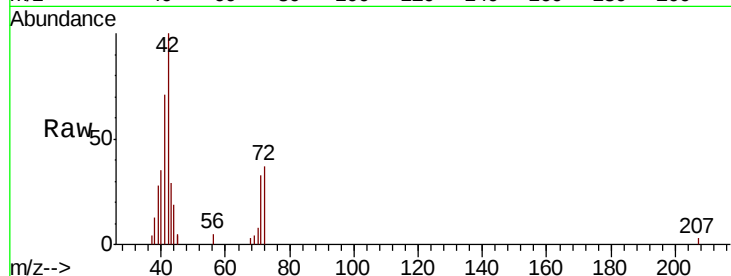




#41
Methacrylonitrile
Concen: 3.292 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012479.D
Acq: 02 Sep 2019 05:50

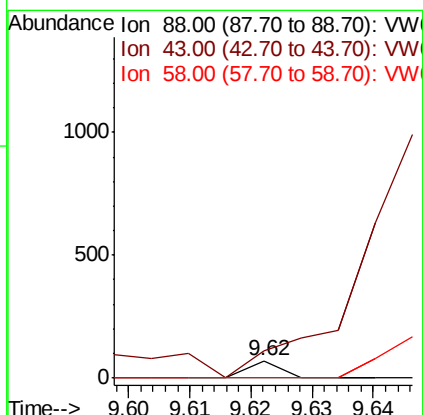
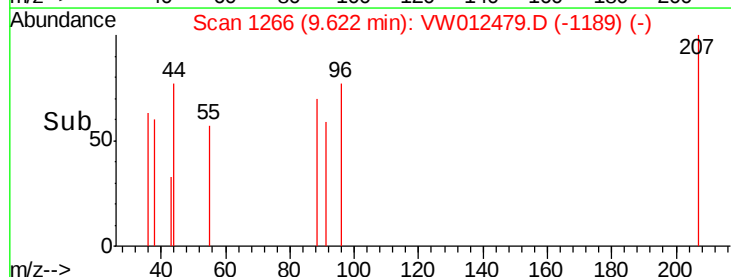
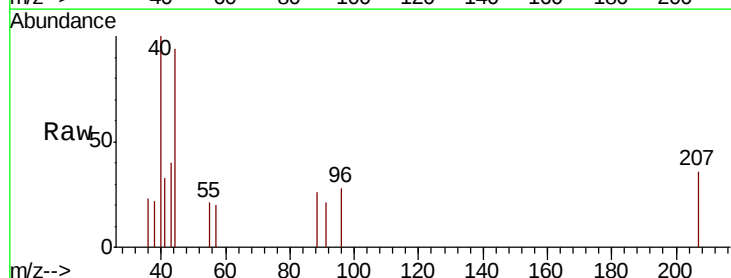
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-Q3-(1.9)

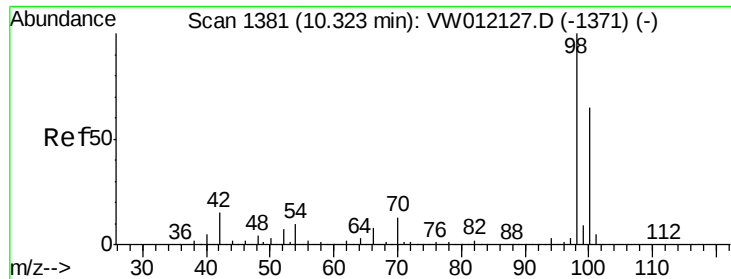
Tgt Ion:	41	Resp:	3906
Ion	Ratio	Lower	Upper
41	100		
39	46.0	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#



#49
1,4-Dioxane
Concen: 1.356 ug/l
RT: 9.62 min Scan# 1266
Delta R.T. 0.17 min
Lab File: VW012479.D
Acq: 02 Sep 2019 05:50

Tgt Ion:	88	Resp:	25
Ion	Ratio	Lower	Upper
88	100		
43	0.0	32.9	49.3#
58	0.0	71.0	106.4#





#50

Toluene-d8

Concen: 48.633 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012479.D

Acq: 02 Sep 2019 05:50

Instrument :

MSVOA_W

ClientSampleId :

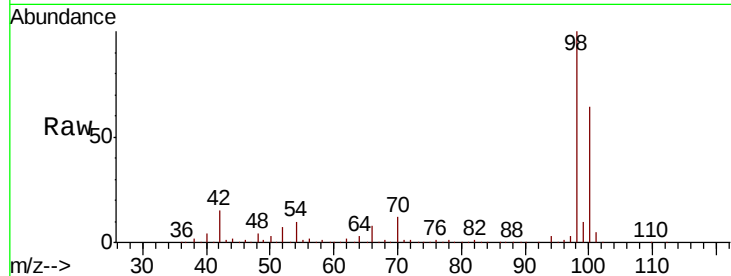
T9-12-13-Q3-(1.9)

Tgt Ion: 98 Resp: 419672

Ion Ratio Lower Upper

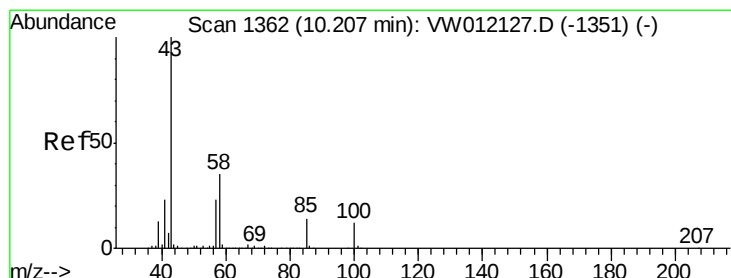
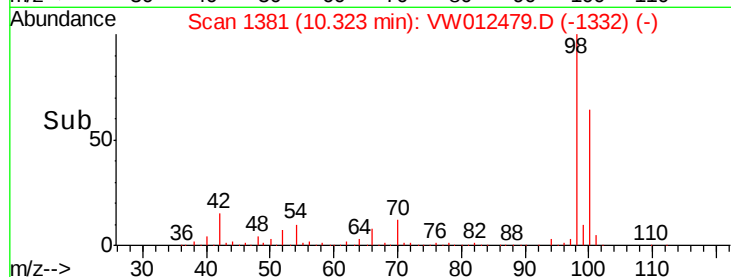
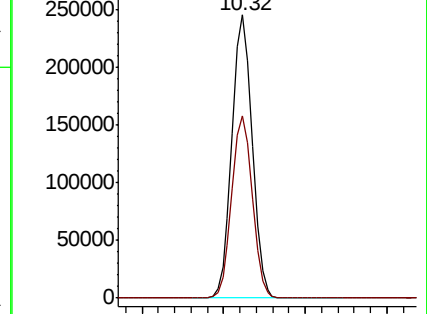
98 100

100 65.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.090 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW012479.D

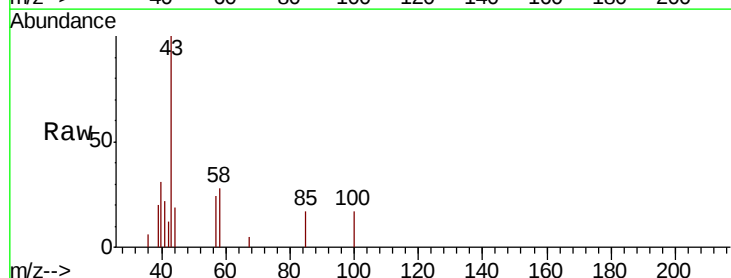
Acq: 02 Sep 2019 05:50

Tgt Ion: 43 Resp: 2074

Ion Ratio Lower Upper

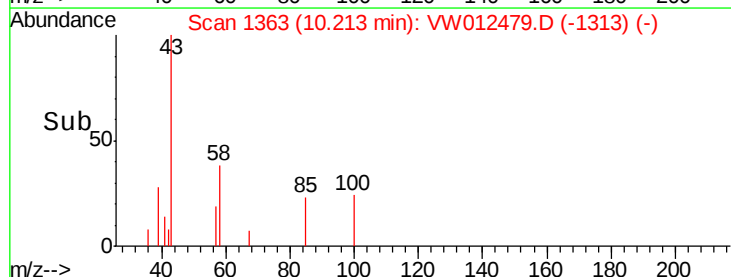
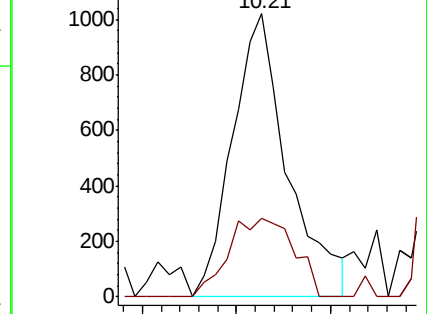
43 100

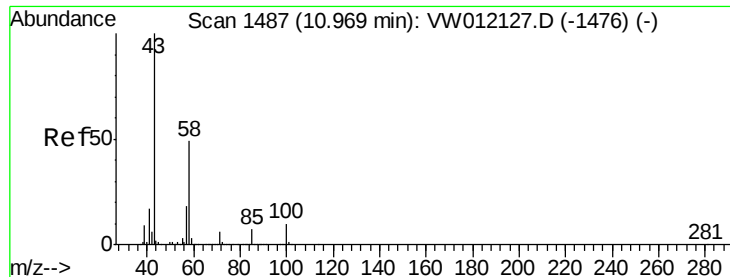
58 32.8 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

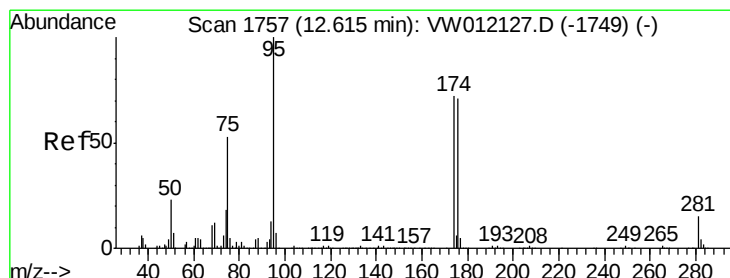
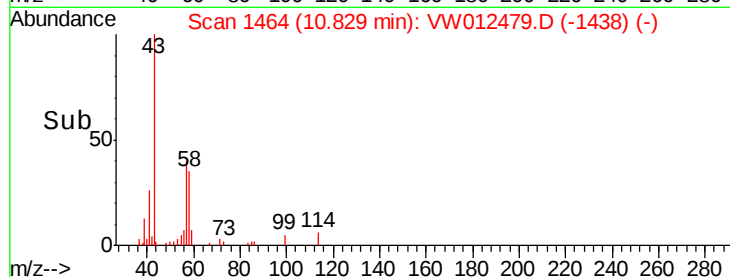
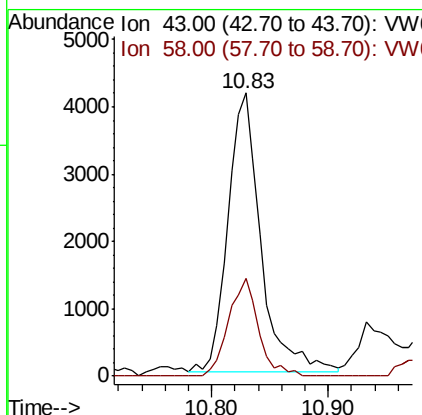
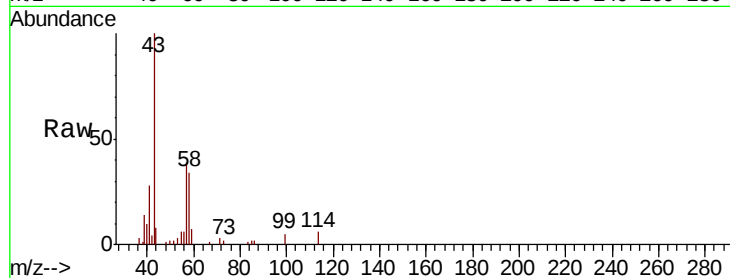




#59
2-Hexanone
Concen: 6.020 ug/l
RT: 10.83 min Scan# 1464
Delta R.T. -0.14 min
Lab File: VW012479.D
Acq: 02 Sep 2019 05:50

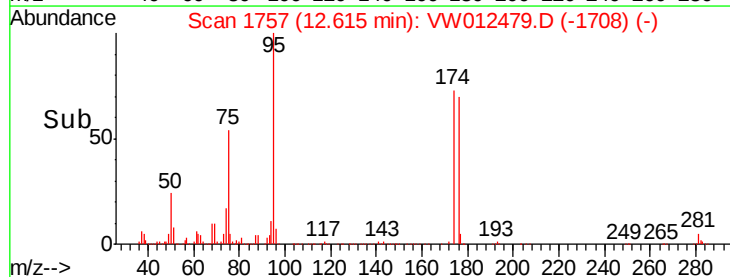
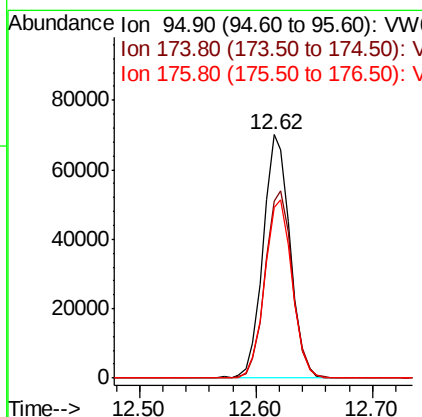
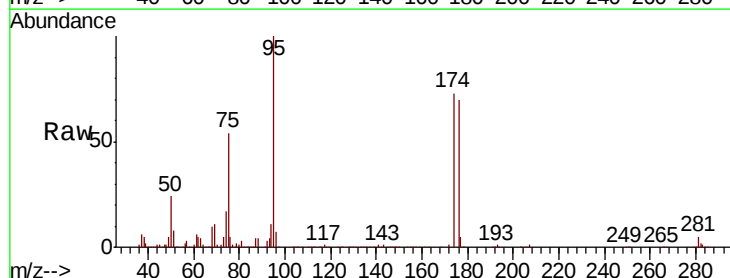
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-Q3-(1.9)

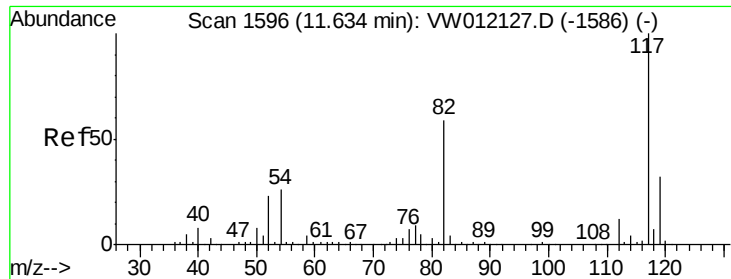
Tgt Ion: 43 Resp: 8102
Ion Ratio Lower Upper
43 100
58 32.0 24.3 72.9



#62
4-Bromofluorobenzene
Concen: 37.045 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012479.D
Acq: 02 Sep 2019 05:50

Tgt Ion: 95 Resp: 112685
Ion Ratio Lower Upper
95 100
174 77.8 0.0 150.8
176 74.6 0.0 148.6

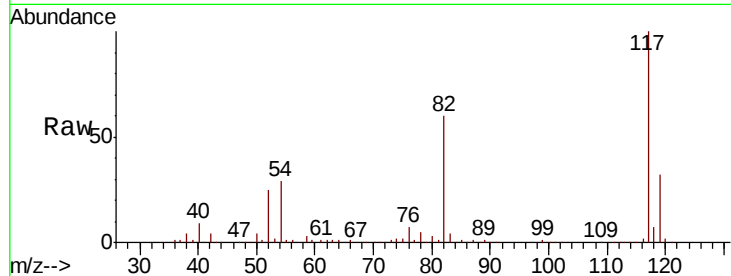




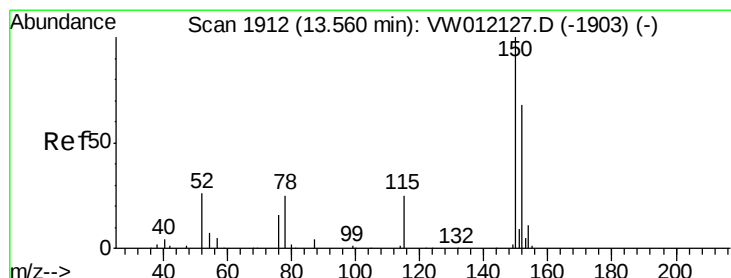
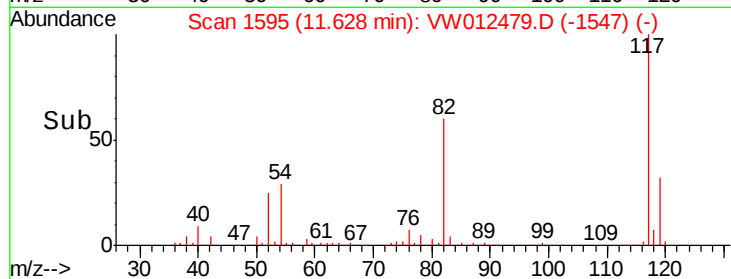
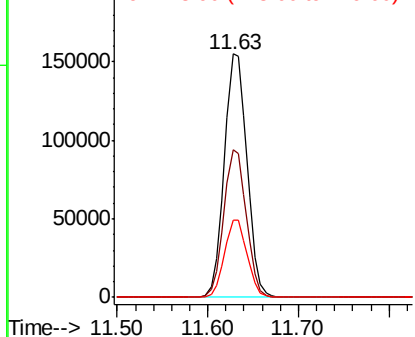
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012479.D
Acq: 02 Sep 2019 05:50

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-Q3-(1.9)

Tgt Ion:117 Resp: 269144
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.2
119 31.7 25.4 38.2

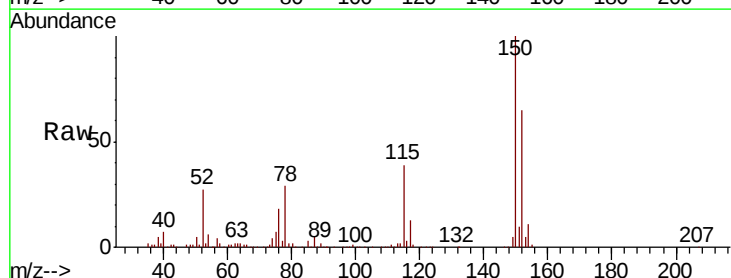


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

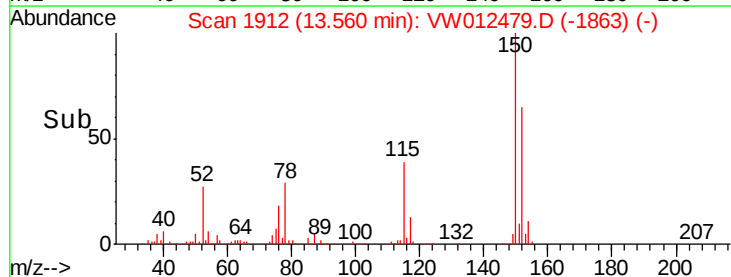
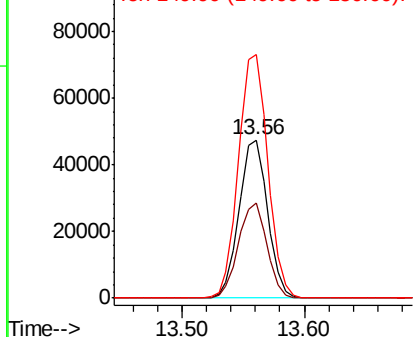


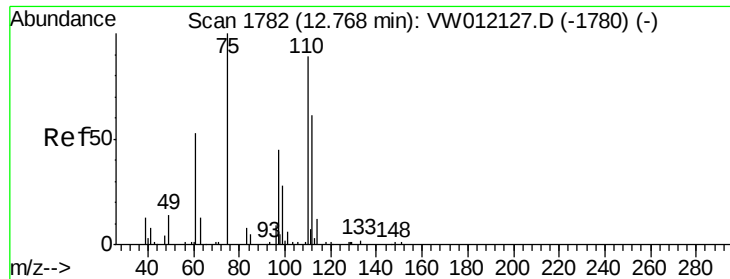
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012479.D
Acq: 02 Sep 2019 05:50

Tgt Ion:152 Resp: 76604
Ion Ratio Lower Upper
152 100
115 60.2 30.1 90.3
150 159.1 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: 83.626 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012479.D

Acq: 02 Sep 2019 05:50

Instrument :

MSVOA_W

ClientSampleId :

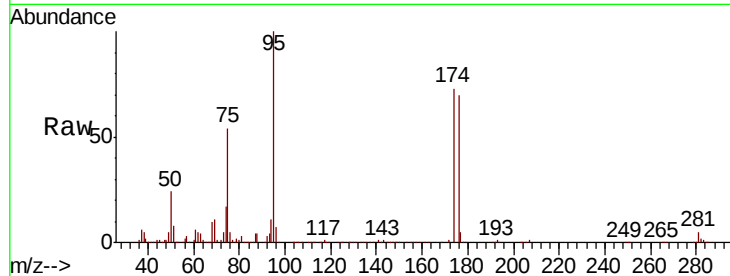
T9-12-13-Q3-(1.9)

Tgt Ion: 75 Resp: 62391

Ion Ratio Lower Upper

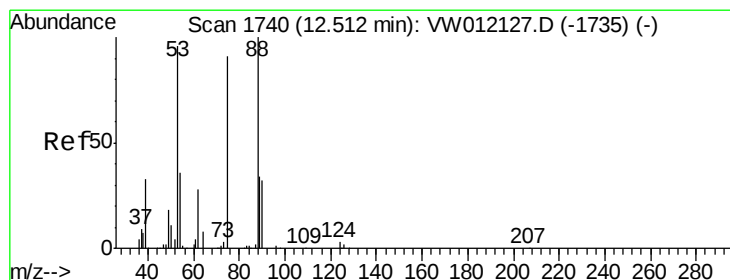
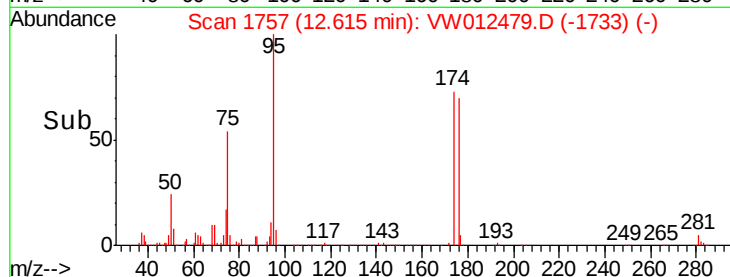
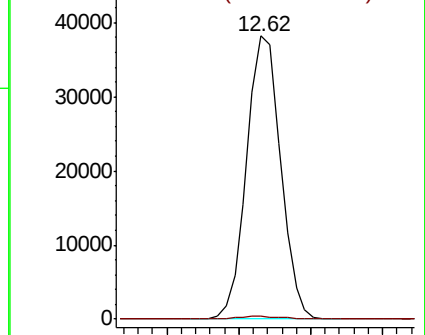
75 100

77 1.3 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: 183.354 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012479.D

Acq: 02 Sep 2019 05:50

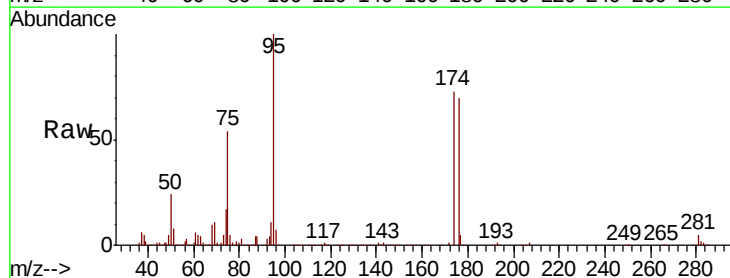
Tgt Ion: 75 Resp: 62391

Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

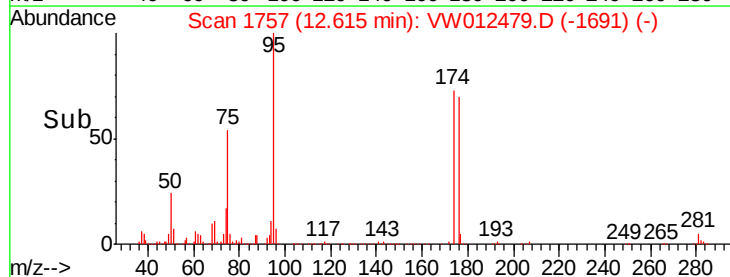
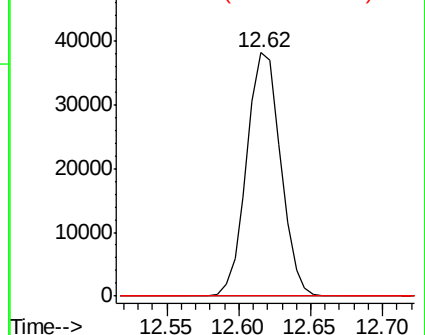
89 0.0 34.5 51.7#

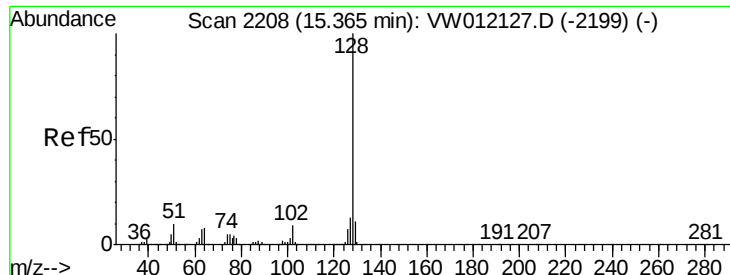


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95
Naphthalene
Concen: 4.491 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012479.D
Acq: 02 Sep 2019 05:50

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-Q3-(1.9)

Tgt Ion:128 Resp: 538
Ion Ratio Lower Upper
128 100
127 12.3 10.7 16.1
129 4.8 8.7 13.1#

