

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
 Data File : VW012473.D
 Acq On : 02 Sep 2019 03:16
 Operator : SY/VA
 Sample : K4527-18
 Misc : 3.87G/5ML/MSVOA_W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

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

Quant Time: Sep 02 07:25:28 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

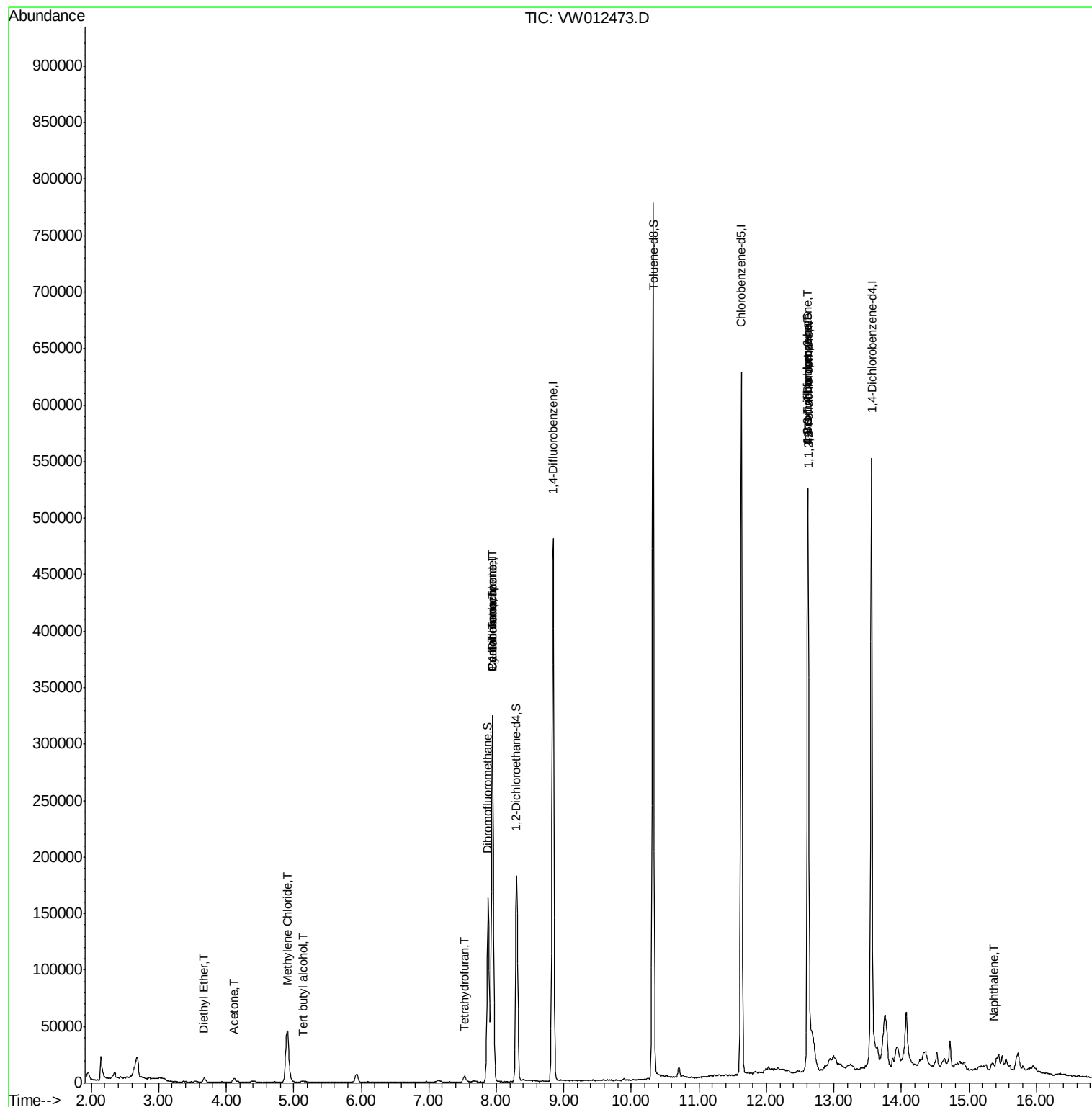
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	233996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	380118	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	132078	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	149780	53.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.70%	
35) Dibromofluoromethane	7.88	113	116482	51.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.68%	
50) Toluene-d8	10.32	98	477640	51.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.62	95	160093	49.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.74%	
Target Compounds						
8) Diethyl Ether	3.68	74	1996	1.533	ug/l	97
11) Tert butyl alcohol	5.15	59	793	4.737	ug/l #	86
16) Acetone	4.12	43	7173	10.088	ug/l	100
20) Methylene Chloride	4.91	84	33795	12.572	ug/l	98
29) Tetrahydrofuran	7.53	42	4851	8.368	ug/l	98
31) Cyclohexane	7.95	56	5779	1.153	ug/l #	5
36) 1,1-Dichloropropene	7.95	75	19999	5.091	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23152	6.810	ug/l #	17
75) 1,1,2,2-Tetrachloroethane	12.63	83	4929	2.717	ug/l #	28
76) 1,2,3-Trichloropropane	12.62	75	83918	65.238	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	83918	143.036	ug/l #	6
95) Naphthalene	15.38	128	380	4.391	ug/l #	84

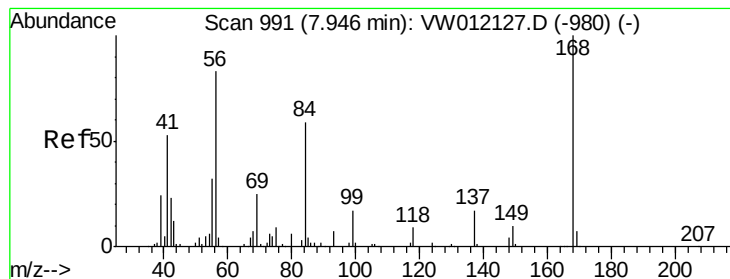
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012473.D

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MSVOA_W

ClientSampleId :

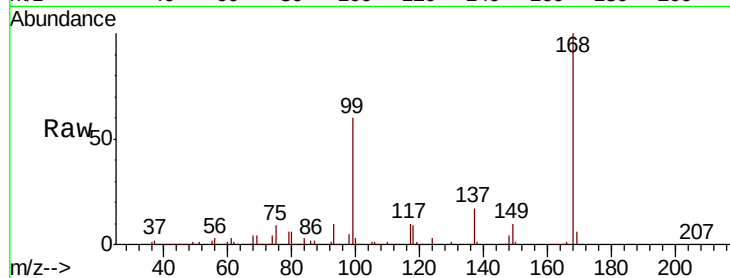
T9-12-13-P-(0)

Tgt Ion:168 Resp: 233996

Ion Ratio Lower Upper

168 100

99 59.9 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

120000

100000

80000

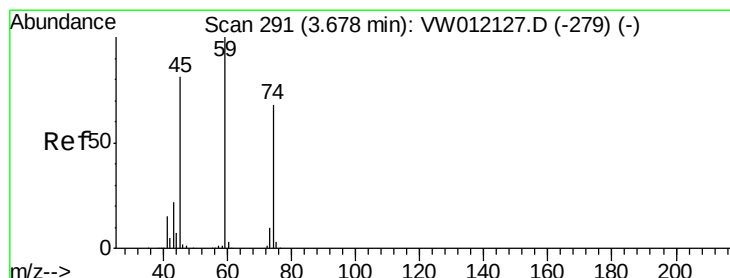
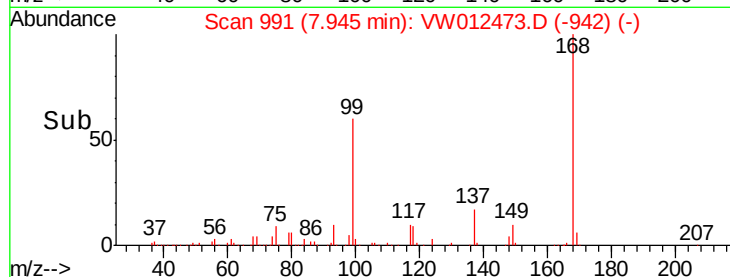
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.533 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012473.D

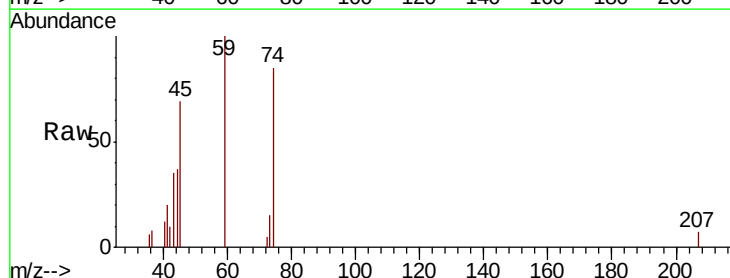
Acq: 02 Sep 2019 03:16

Tgt Ion: 74 Resp: 1996

Ion Ratio Lower Upper

74 100

45 115.5 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

800

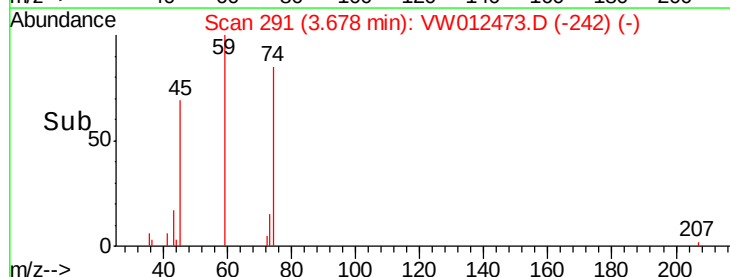
600

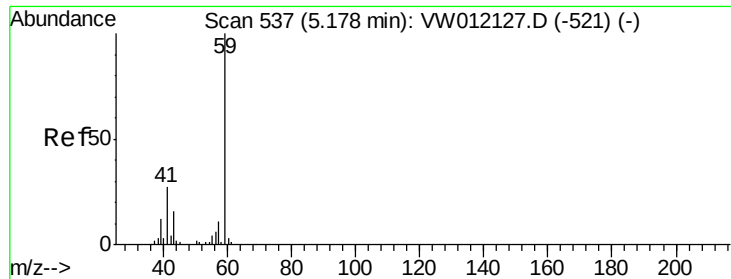
400

200

0

Time-->

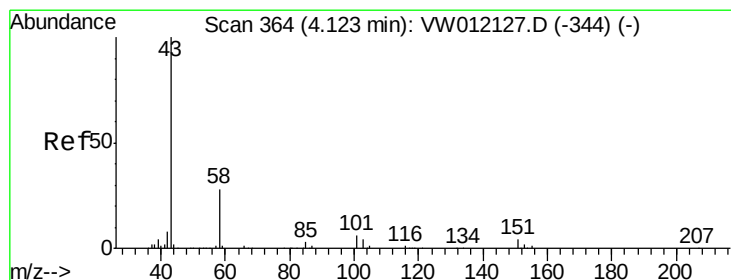
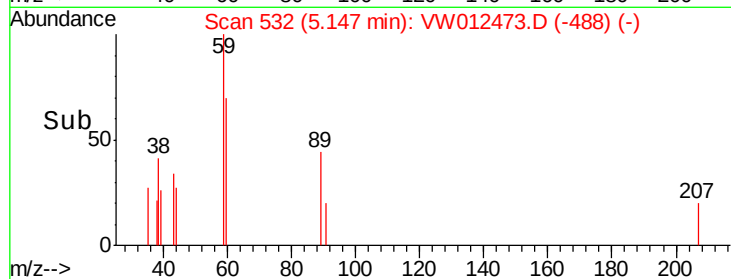
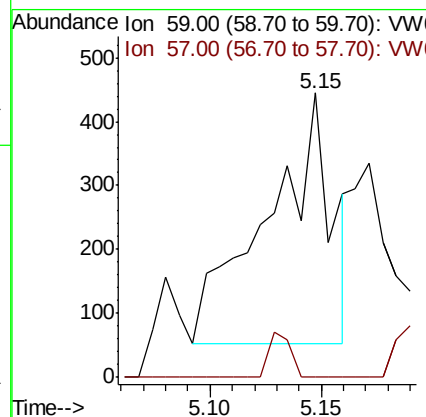
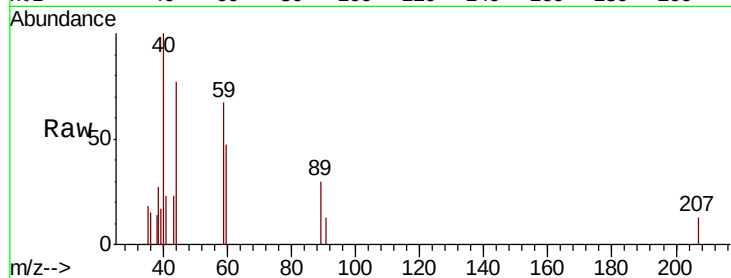




#11
Tert butyl alcohol
Concen: 4.737 ug/l
RT: 5.15 min Scan# 532
Delta R.T. -0.03 min
Lab File: VW012473.D
Acq: 02 Sep 2019 03:16

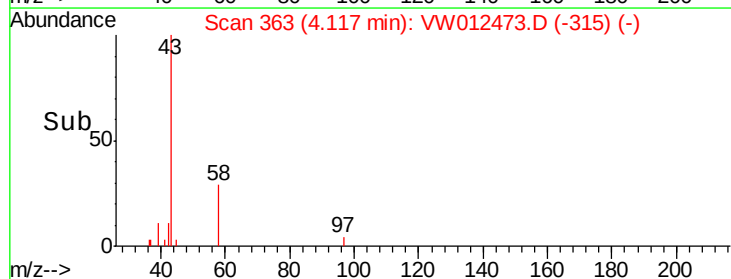
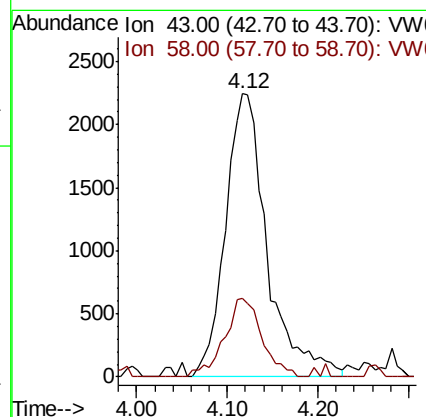
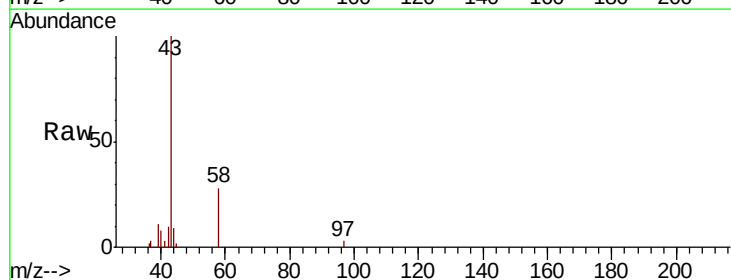
Instrument :
MSVOA_W
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T9-12-13-P-(0)

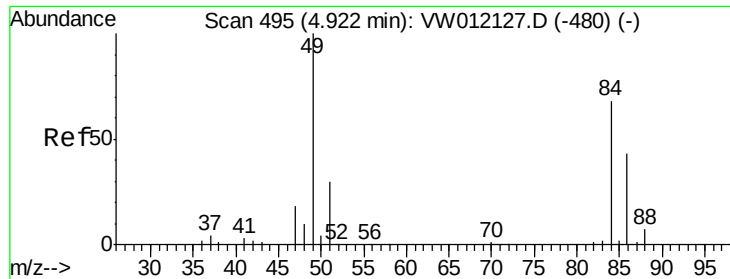
Tgt Ion: 59 Resp: 793
Ion Ratio Lower Upper
59 100
57 5.8 9.0 13.4#



#16
Acetone
Concen: 10.088 ug/l
RT: 4.12 min Scan# 363
Delta R.T. -0.01 min
Lab File: VW012473.D
Acq: 02 Sep 2019 03:16

Tgt Ion: 43 Resp: 7173
Ion Ratio Lower Upper
43 100
58 27.9 22.4 33.6

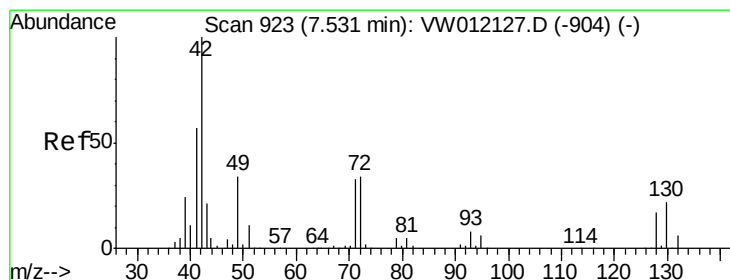
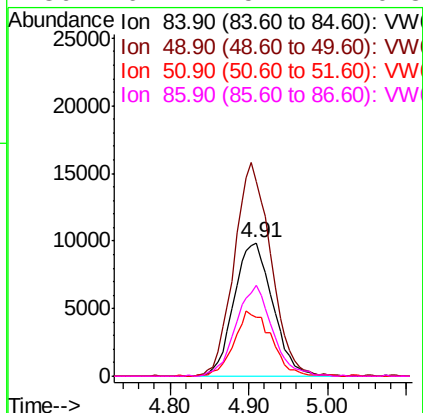
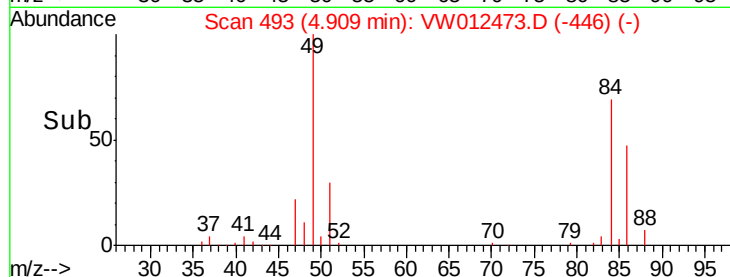
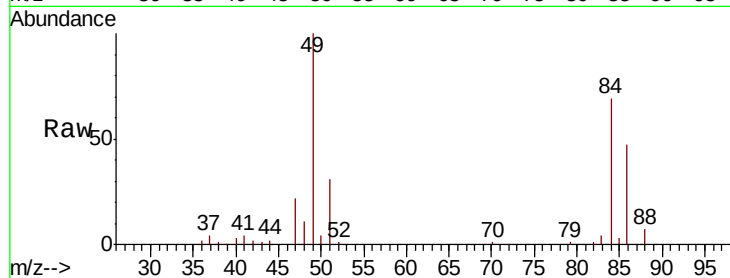




#20
Methylene Chloride
Concen: 12.572 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012473.D
Acq: 02 Sep 2019 03:16

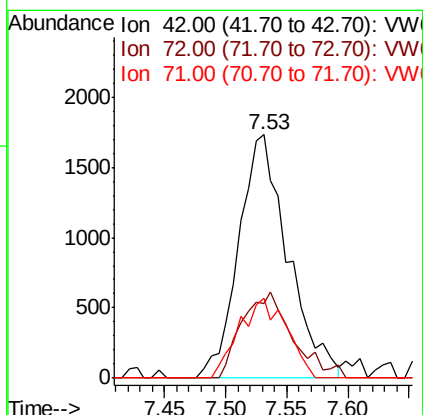
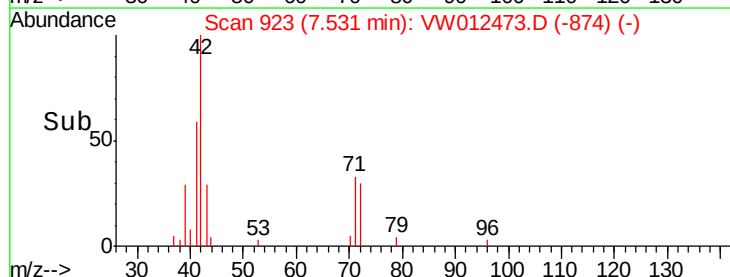
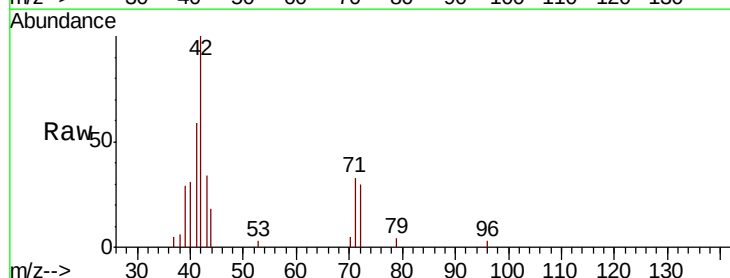
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-P-(0)

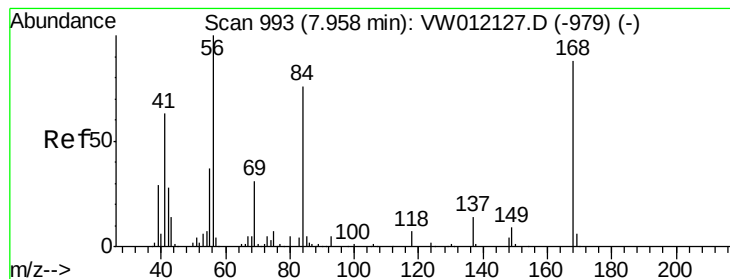
Tgt Ion:	84	Resp:	33795
Ion	Ratio	Lower	Upper
84	100		
49	145.4	117.8	176.8
51	44.5	35.6	53.4
86	67.7	51.2	76.8



#29
Tetrahydrofuran
Concen: 8.368 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012473.D
Acq: 02 Sep 2019 03:16

Tgt Ion:	42	Resp:	4851
Ion	Ratio	Lower	Upper
42	100		
72	36.1	27.3	40.9
71	31.8	25.5	38.3





#31

Cyclohexane

Concen: 1.153 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012473.D

Acq: 02 Sep 2019 03:16

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-P-(0)

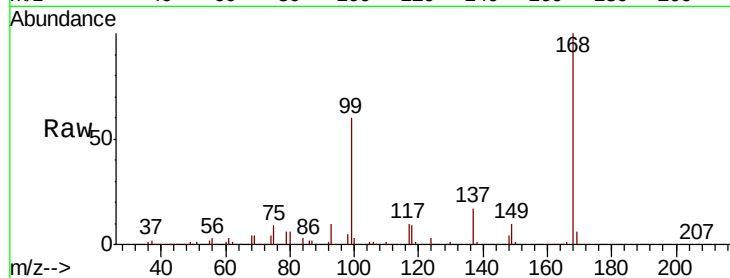
Tgt Ion: 56 Resp: 5779

Ion Ratio Lower Upper

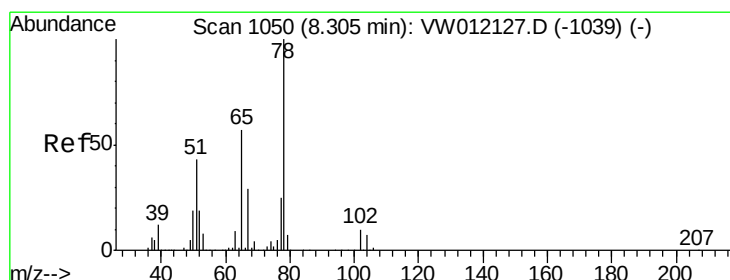
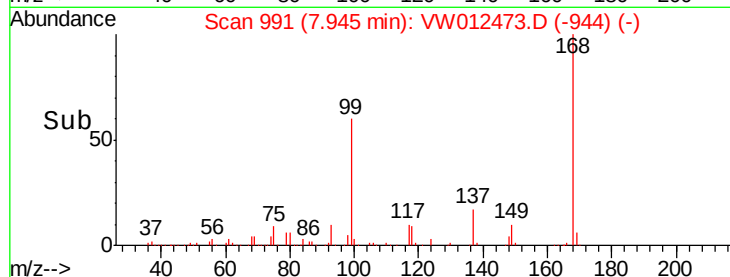
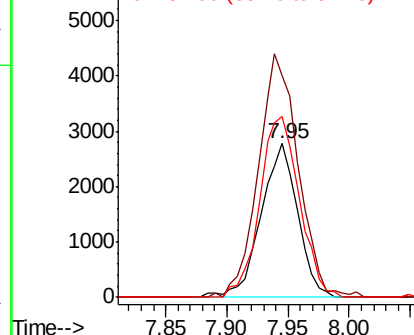
56 100

69 144.6 24.9 37.3#

84 117.9 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: 53.846 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012473.D

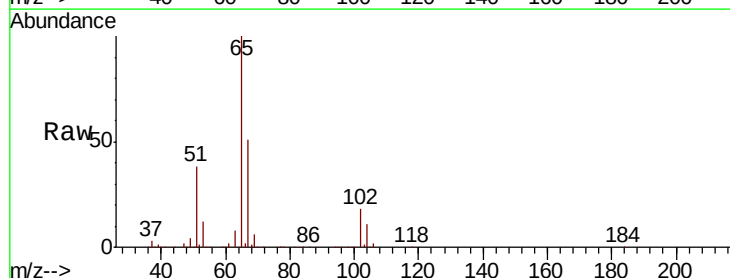
Acq: 02 Sep 2019 03:16

Tgt Ion: 65 Resp: 149780

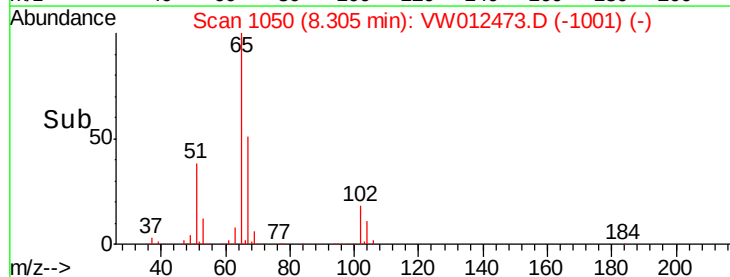
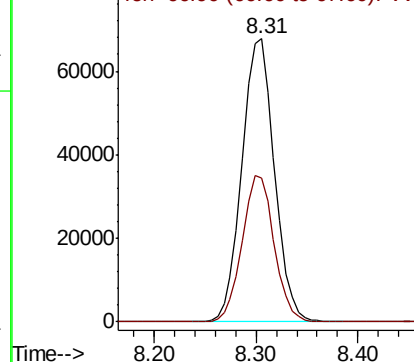
Ion Ratio Lower Upper

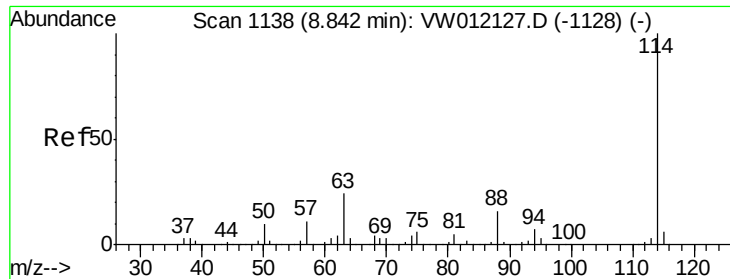
65 100

67 51.0 0.0 102.6



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

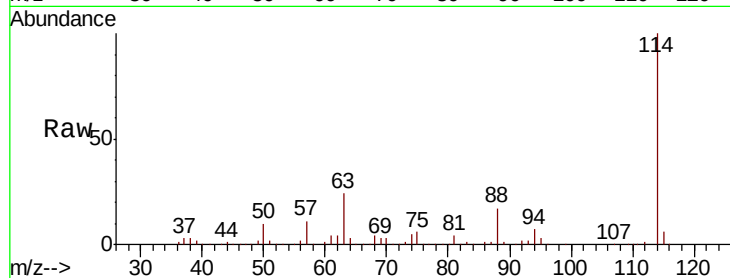




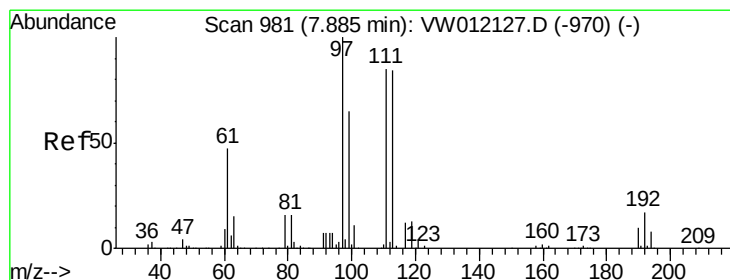
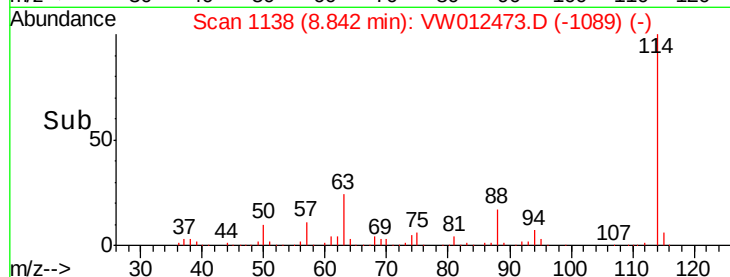
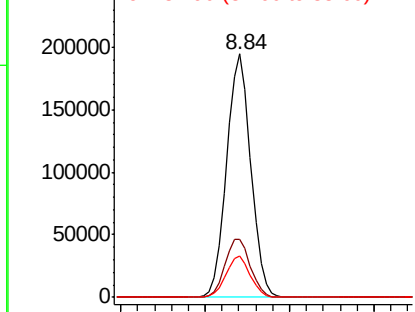
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012473.D
 Acq: 02 Sep 2019 03:16

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

Tgt Ion:114 Resp: 380118
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 48.6
 88 17.2 0.0 32.2

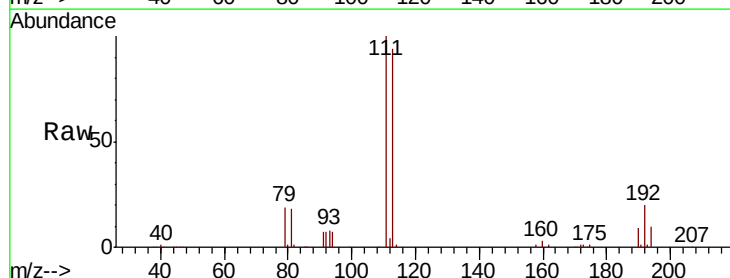


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

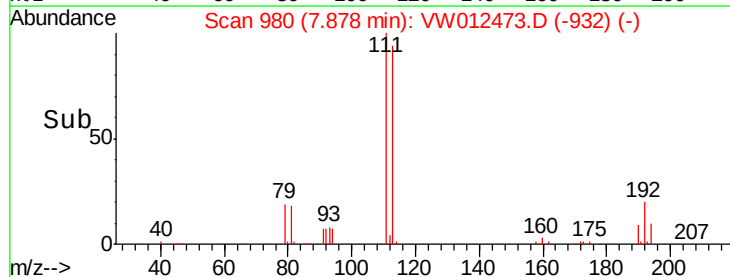
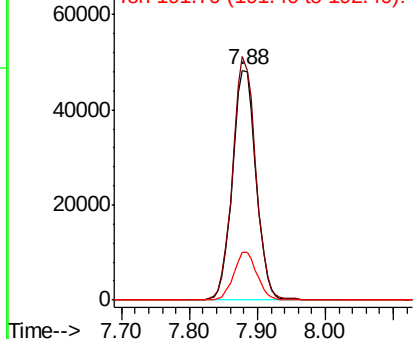


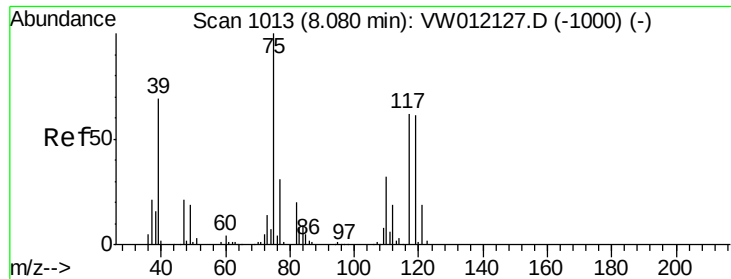
#35
 Dibromofluoromethane
 Concen: 51.338 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012473.D
 Acq: 02 Sep 2019 03:16

Tgt Ion:113 Resp: 116482
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.7 124.1
 192 20.6 16.2 24.2



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

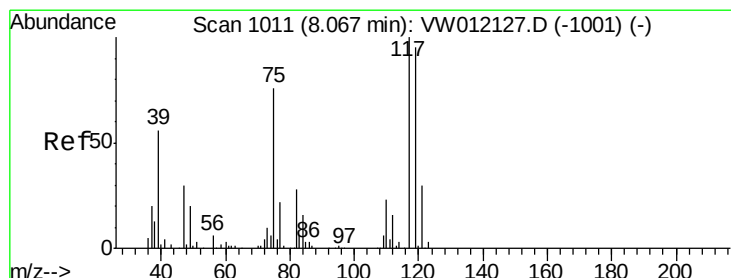
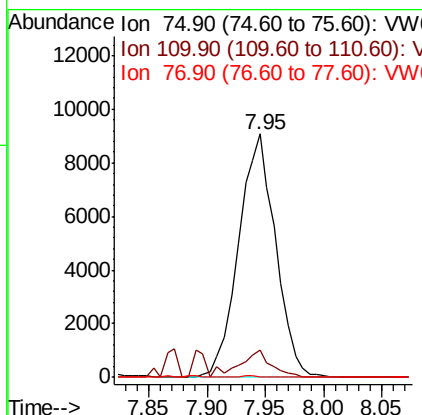
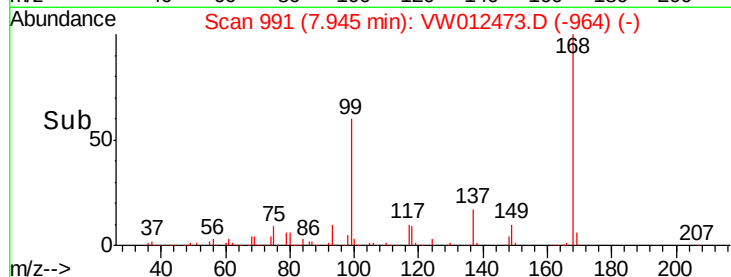
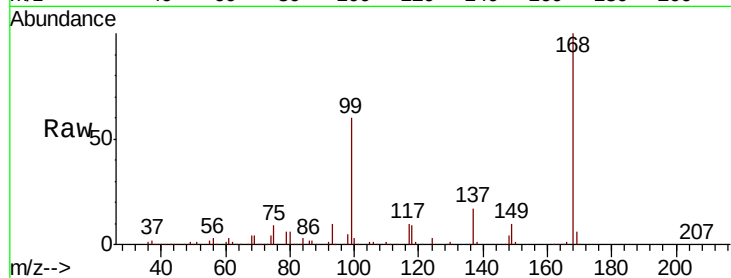




#36
 1,1-Dichloropropene
 Concen: 5.091 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012473.D
 Acq: 02 Sep 2019 03:16

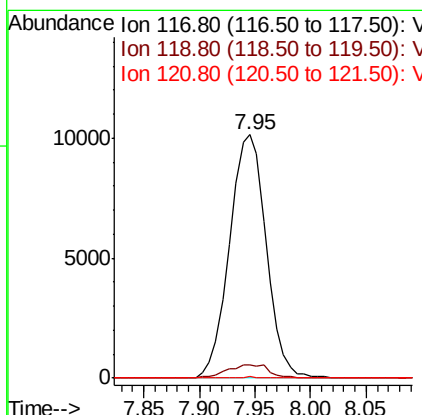
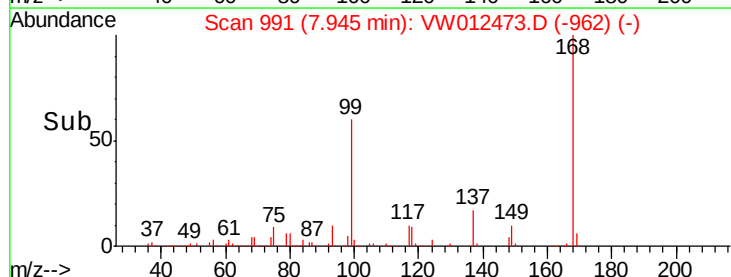
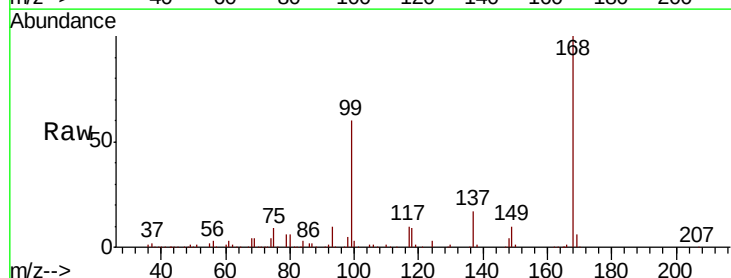
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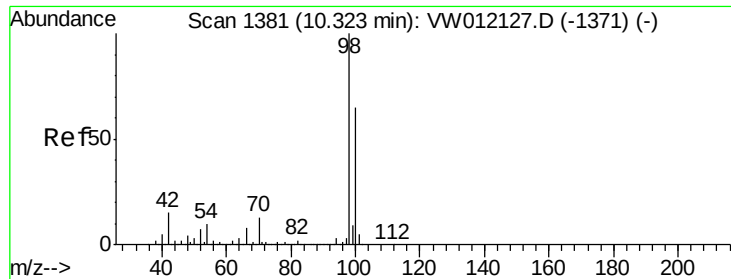
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	15.6	46.8#
77	0.3	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.810 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012473.D
 Acq: 02 Sep 2019 03:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.2	114.2#
121	0.5	23.8	35.8#

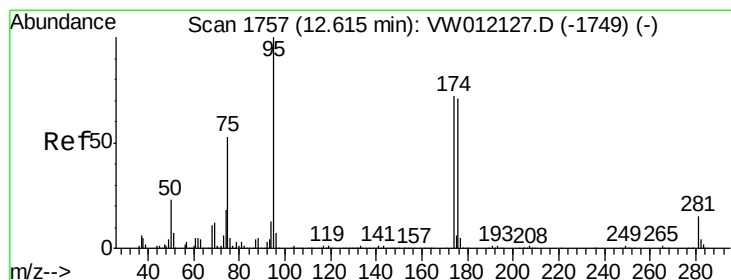
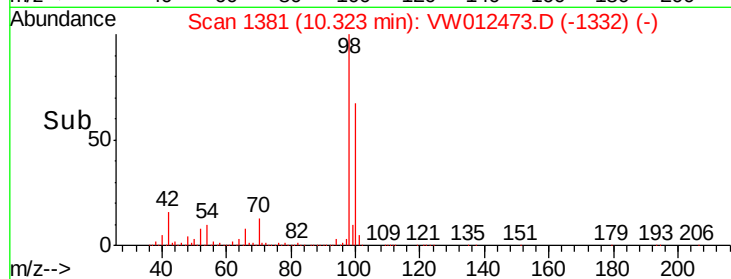
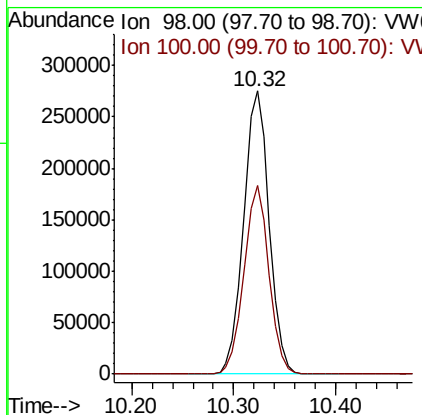
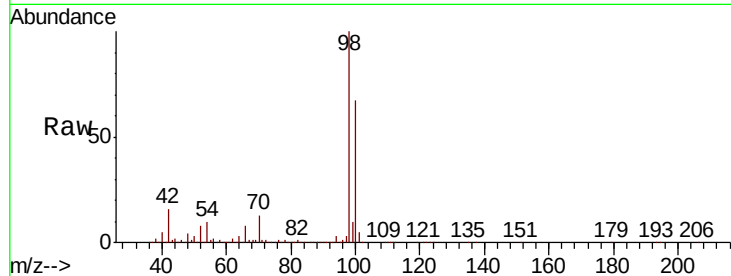




#50
Toluene-d8
Concen: 51.918 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012473.D
Acq: 02 Sep 2019 03:16

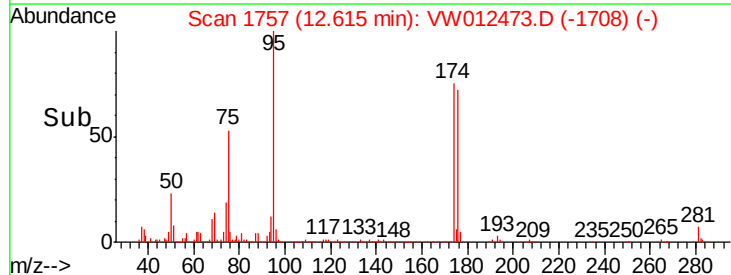
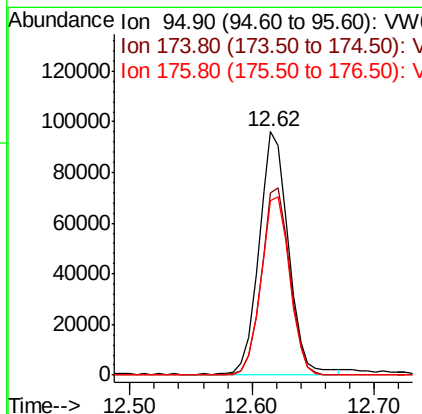
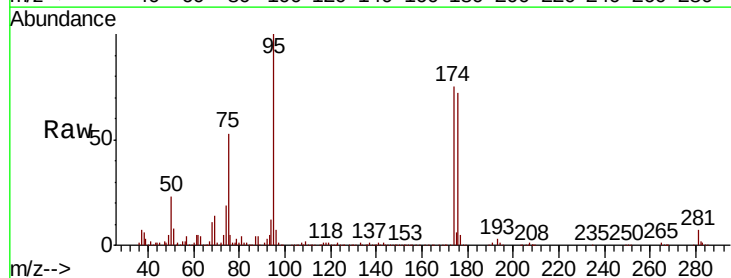
Instrument :
MSVOA_W
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T9-12-13-P-(0)

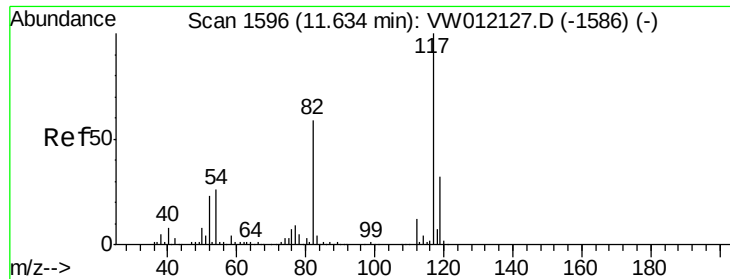
Tgt Ion: 98 Resp: 477640
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 49.367 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012473.D
Acq: 02 Sep 2019 03:16

Tgt Ion: 95 Resp: 160093
Ion Ratio Lower Upper
95 100
174 74.6 0.0 150.8
176 71.9 0.0 148.6

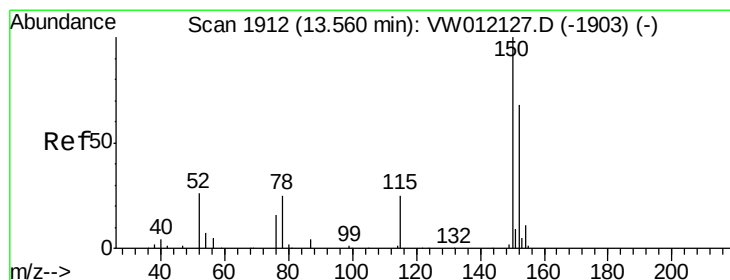
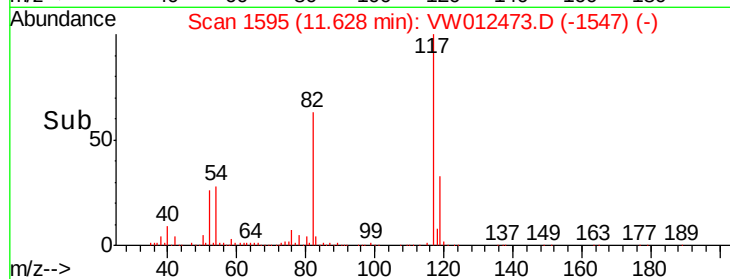
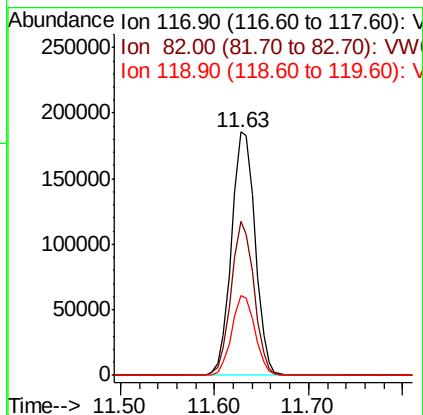
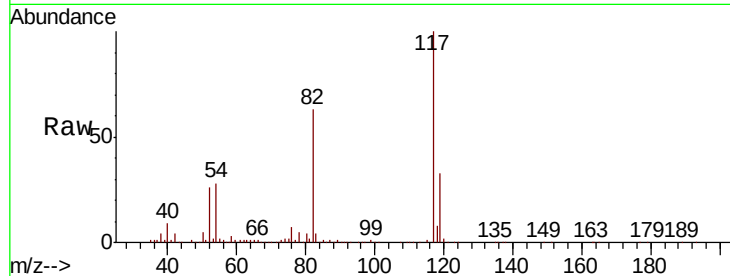




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012473.D
Acq: 02 Sep 2019 03:16

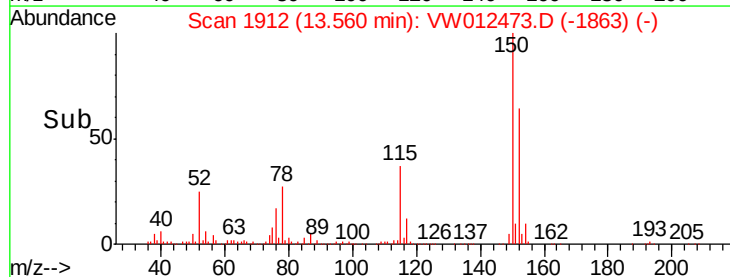
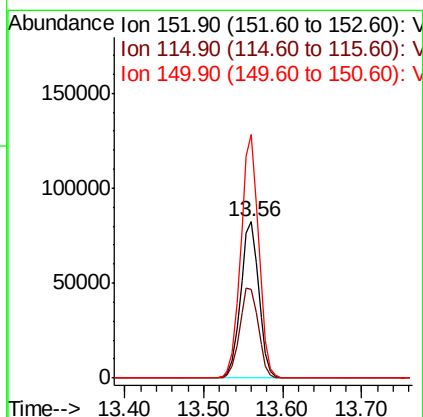
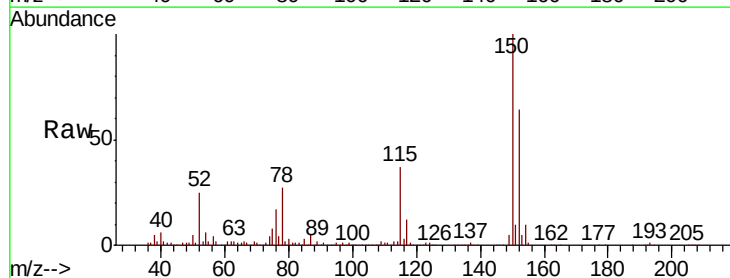
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-P-(0)

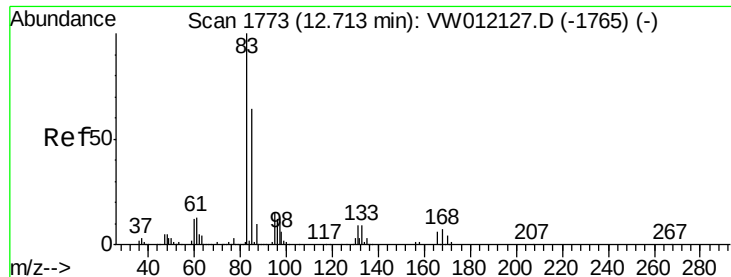
Tgt Ion	Ratio	Lower	Upper
117	100		
82	63.1	47.4	71.2
119	32.6	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012473.D
Acq: 02 Sep 2019 03:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	30.1	90.3
150	152.3	0.0	345.8

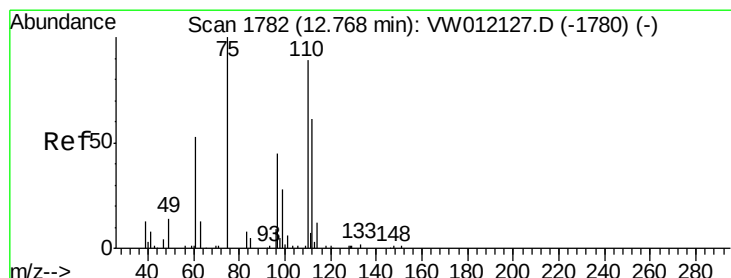
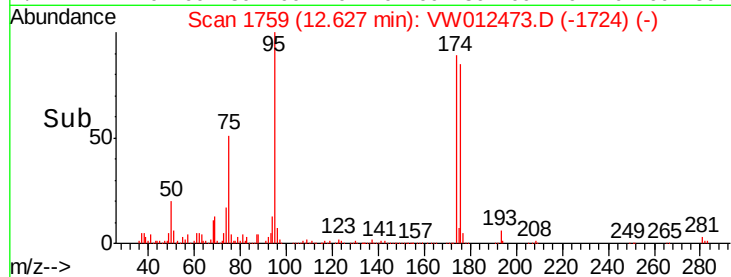
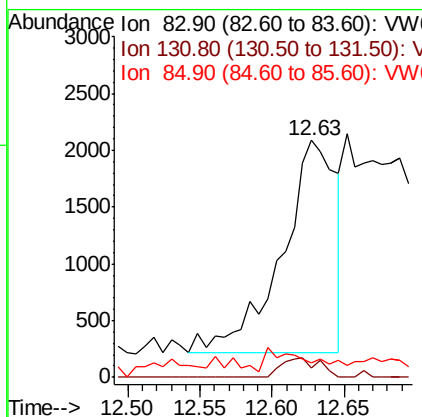
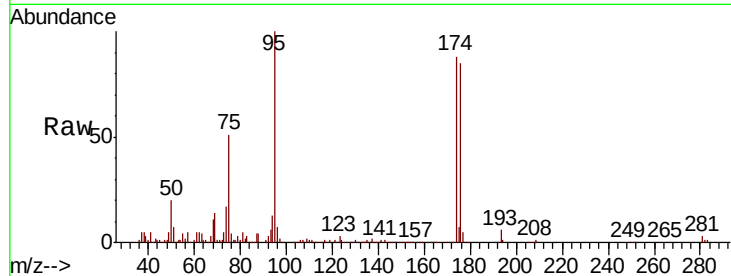




#75
 1,1,2,2-Tetrachloroethane
 Concen: 2.717 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. -0.09 min
 Lab File: VW012473.D
 Acq: 02 Sep 2019 03:16

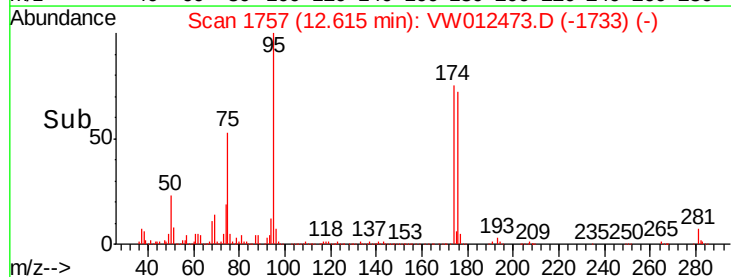
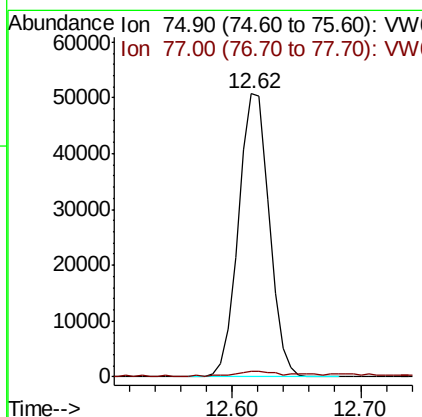
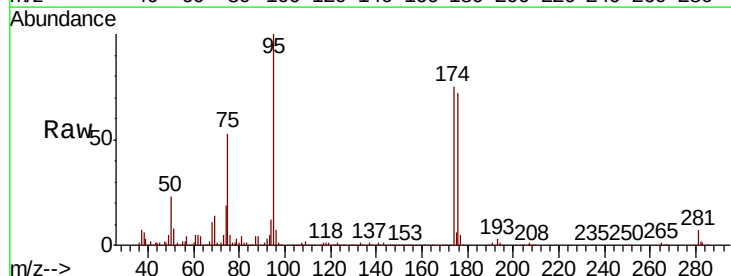
Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-P-(0)

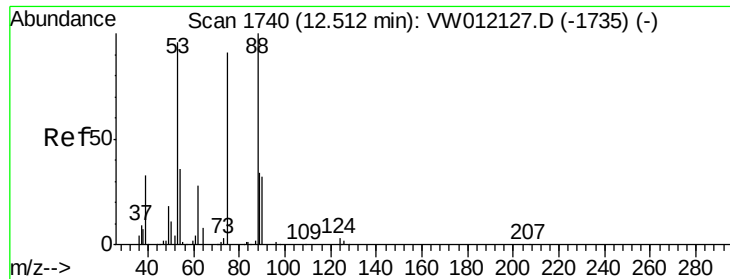
Tgt Ion: 83 Resp: 4929
 Ion Ratio Lower Upper
 83 100
 131 6.3 4.9 14.7
 85 0.0 31.9 95.7#



#76
 1,2,3-Trichloropropane
 Concen: 65.238 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012473.D
 Acq: 02 Sep 2019 03:16

Tgt Ion: 75 Resp: 83918
 Ion Ratio Lower Upper
 75 100
 77 2.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 143.036 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012473.D

Acq: 02 Sep 2019 03:16

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-P-(0)

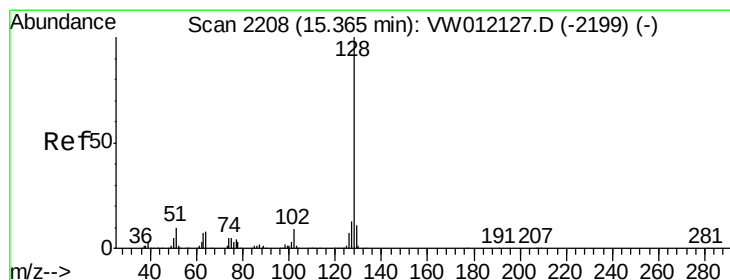
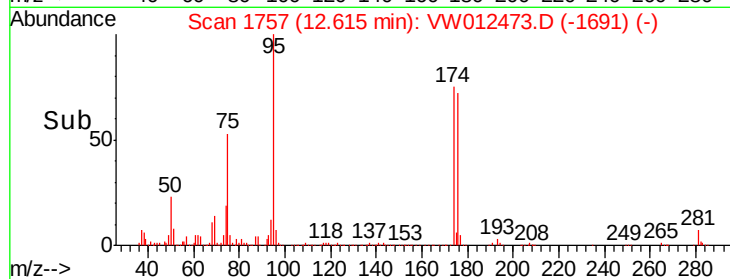
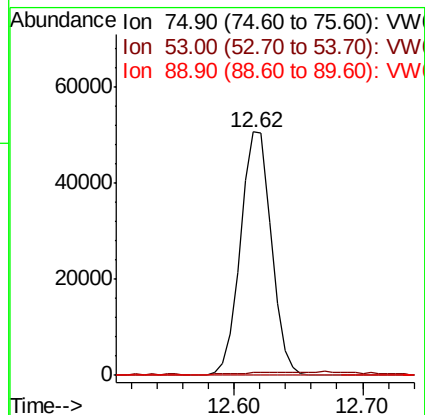
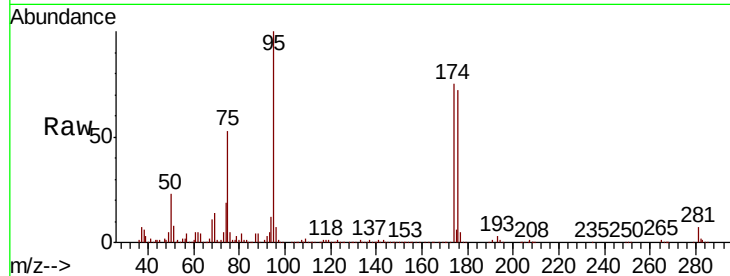
Tgt Ion: 75 Resp: 83918

Ion Ratio Lower Upper

75 100

53 1.1 89.4 134.0#

89 0.1 34.5 51.7#



#95

Naphthalene

Concen: 4.391 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012473.D

Acq: 02 Sep 2019 03:16

Tgt Ion: 128 Resp: 380

Ion Ratio Lower Upper

128 100

127 12.9 10.7 16.1

129 24.2 8.7 13.1#

