

Data File : VW012373.D
Acq On : 31 Aug 2019 02:29
Operator : SY/VA
Sample : K4439-08
Misc : 4.65G/5ML/MSVOA_W/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S-2-(5-7)

Quant Time: Aug 31 03:11:46 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	7.94	168	199702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	321874	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	218914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	49451	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	130517	54.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.96%	
35) Dibromofluoromethane	7.88	113	103856	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
50) Toluene-d8	10.32	98	384714	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	12.62	95	80634	29.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.72%	

Target Compounds

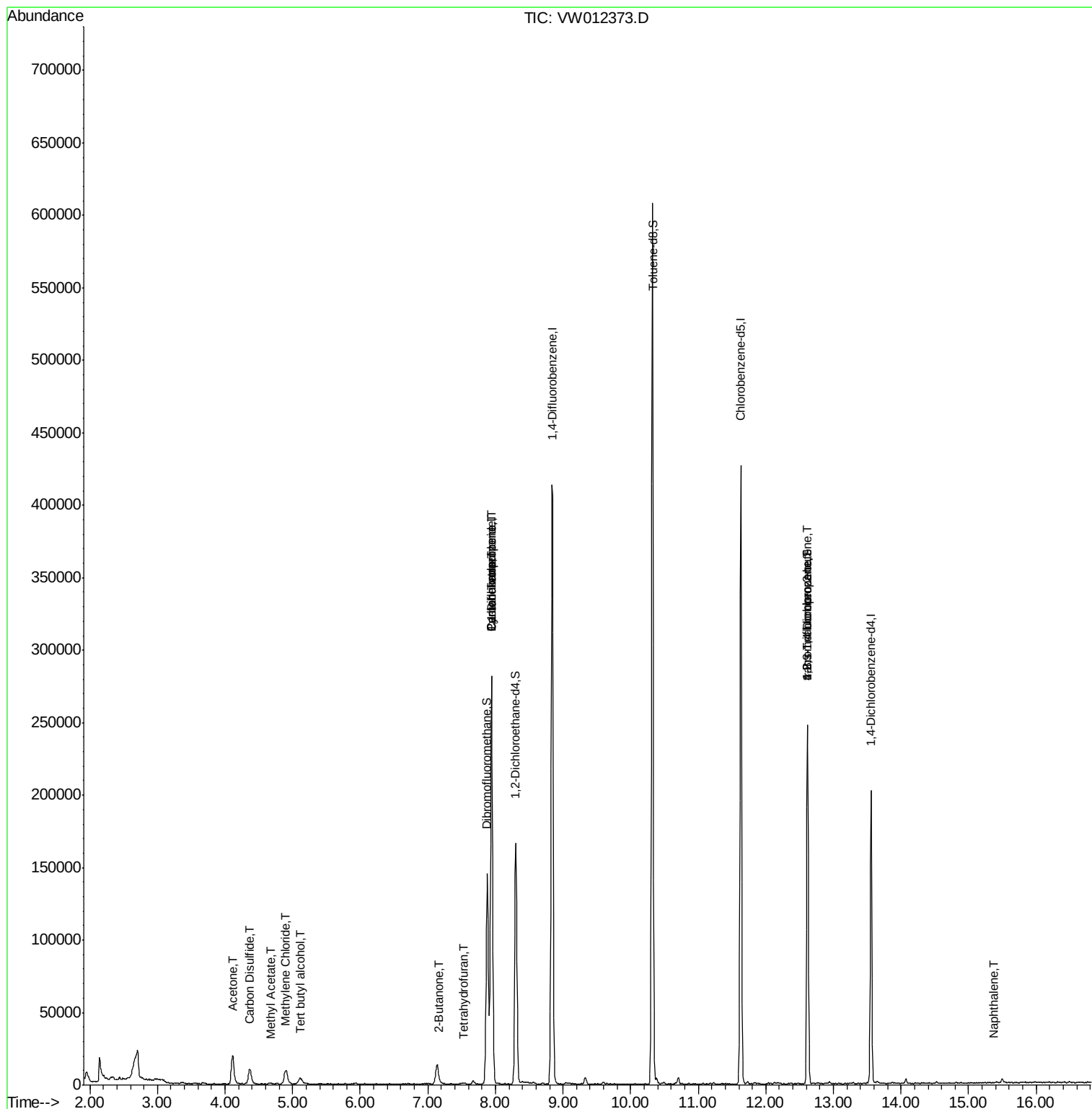
						Qvalue
11) Tert butyl alcohol	5.11	59	4626	32.380	ug/l #	72
16) Acetone	4.11	43	35898	59.156	ug/l	99
17) Carbon Disulfide	4.36	76	22326	3.688	ug/l	96
18) Methyl Acetate	4.67	43	1950	1.297	ug/l #	68
20) Methylene Chloride	4.89	84	6884	3.001	ug/l	98
25) 2-Butanone	7.17	43	1473	1.786	ug/l #	91
29) Tetrahydrofuran	7.52	42	562	1.136	ug/l #	49
31) Cyclohexane	7.95	56	6137	1.435	ug/l #	21
36) 1,1-Dichloropropene	7.94	75	18007	5.414	ug/l #	52
38) Carbon Tetrachloride	7.94	117	21111	7.333	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	43732	90.802	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	43732	199.087	ug/l #	6
95) Naphthalene	15.37	128	284	4.460	ug/l #	69

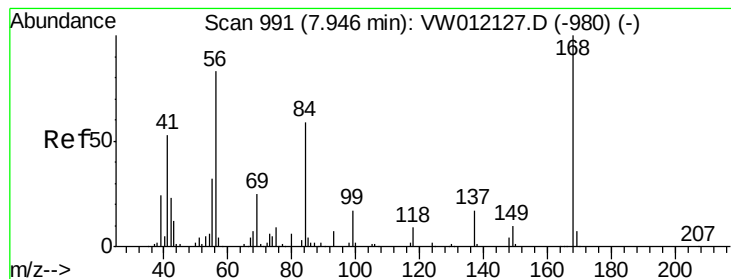
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW012373.D

Acq: 31 Aug 2019 02:29

Instrument :

MSVOA_W

ClientSampled :

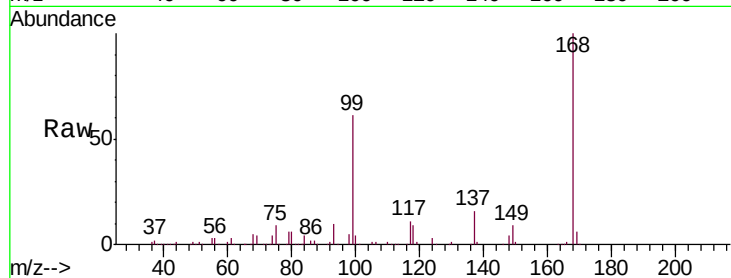
S-2-(5-7)

Tgt Ion:168 Resp: 199702

Ion Ratio Lower Upper

168 100

99 61.5 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

100000

80000

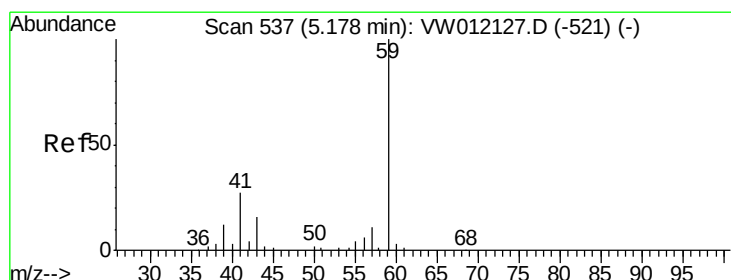
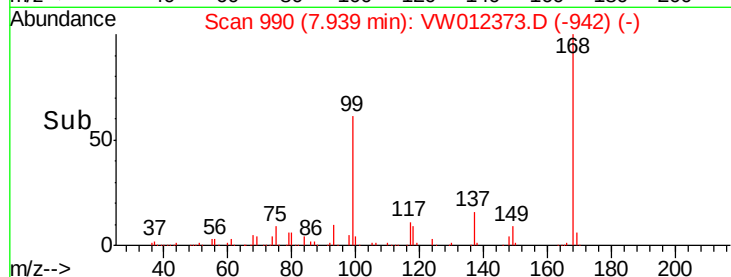
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 32.380 ug/l

RT: 5.11 min Scan# 526

Delta R.T. -0.07 min

Lab File: VW012373.D

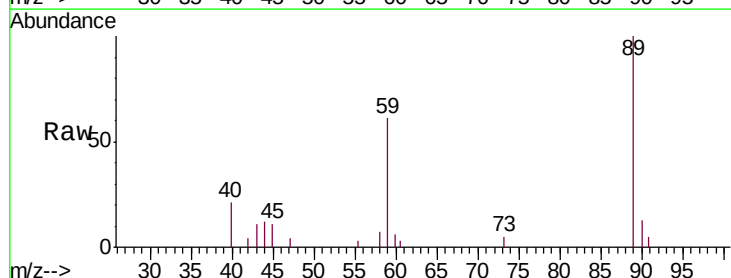
Acq: 31 Aug 2019 02:29

Tgt Ion: 59 Resp: 4626

Ion Ratio Lower Upper

59 100

57 0.4 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.11

1200

1000

800

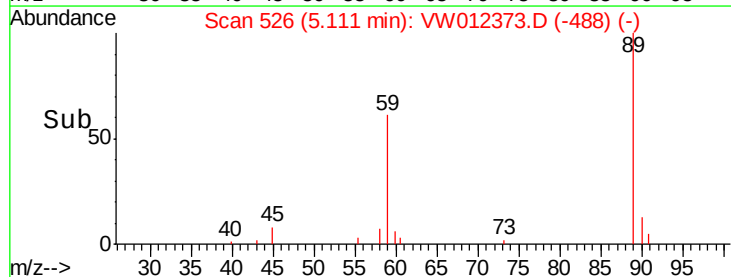
600

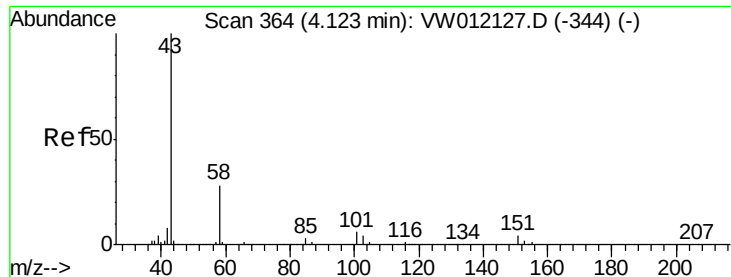
400

200

0

Time-->





#16

Acetone

Concen: 59.156 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW012373.D

Acq: 31 Aug 2019 02:29

Instrument :

MSVOA_W

ClientSampleId :

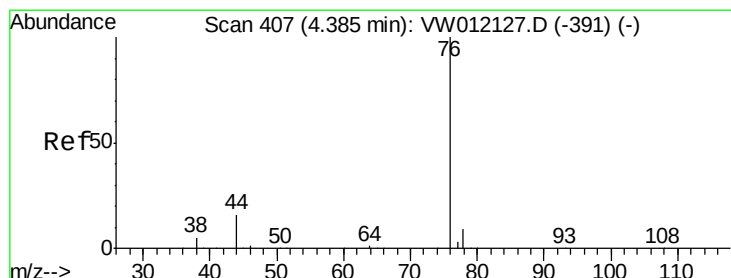
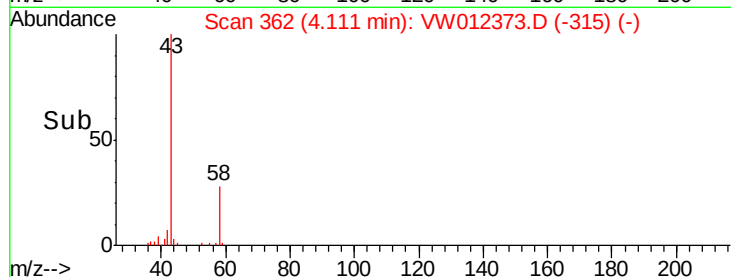
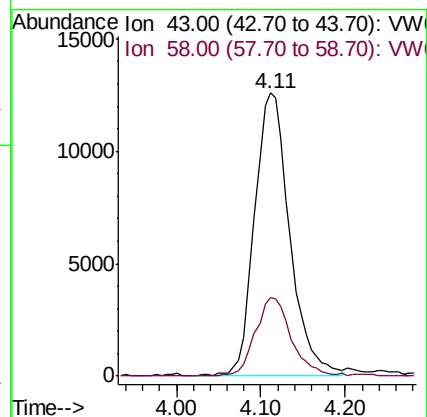
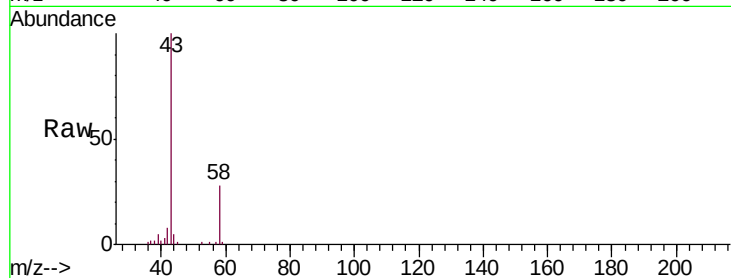
S-2-(5-7)

Tgt Ion: 43 Resp: 35898

Ion Ratio Lower Upper

43 100

58 27.6 22.4 33.6



#17

Carbon Disulfide

Concen: 3.688 ug/l

RT: 4.36 min Scan# 403

Delta R.T. -0.02 min

Lab File: VW012373.D

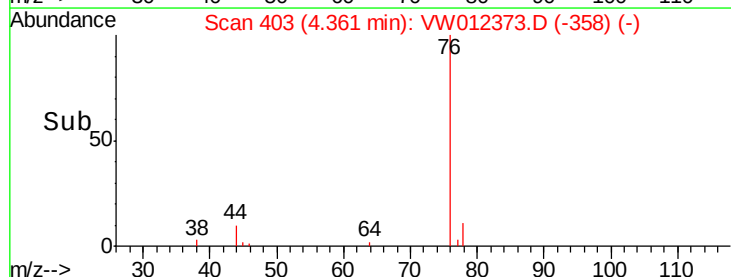
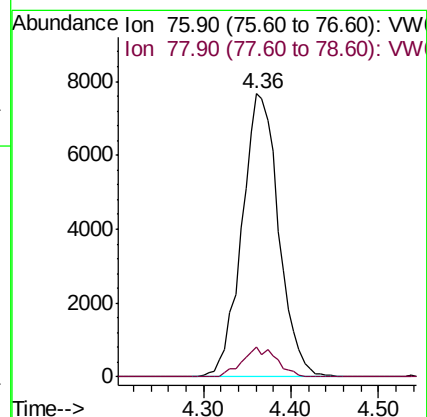
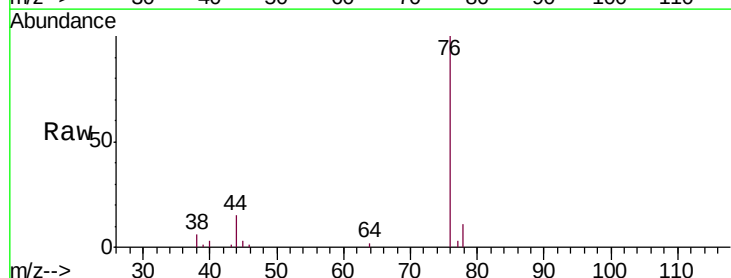
Acq: 31 Aug 2019 02:29

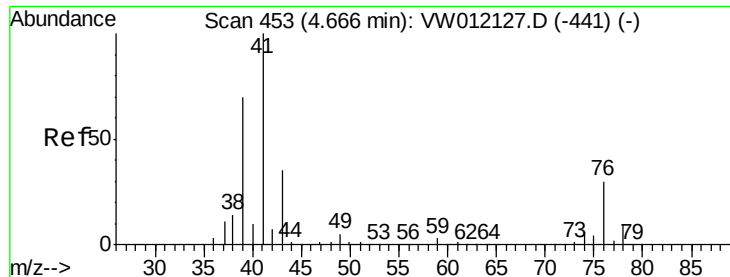
Tgt Ion: 76 Resp: 22326

Ion Ratio Lower Upper

76 100

78 10.5 7.3 10.9

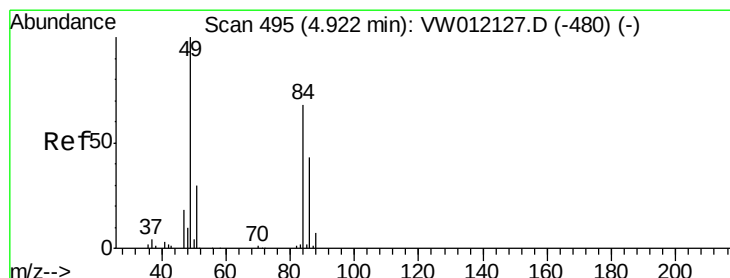
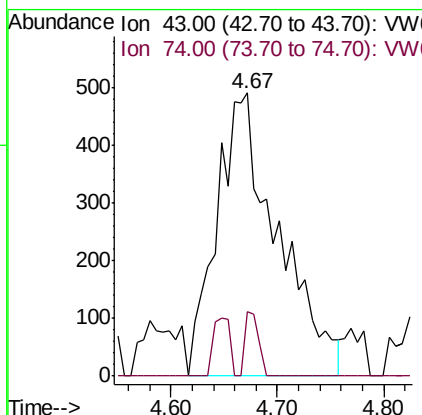
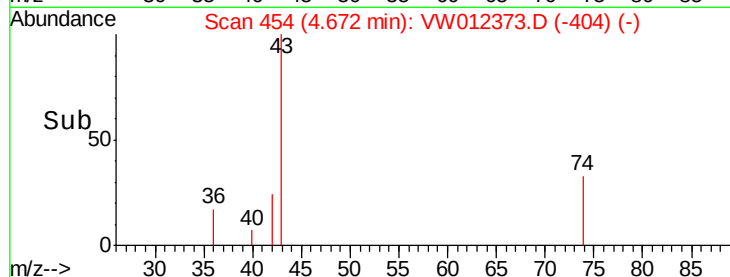
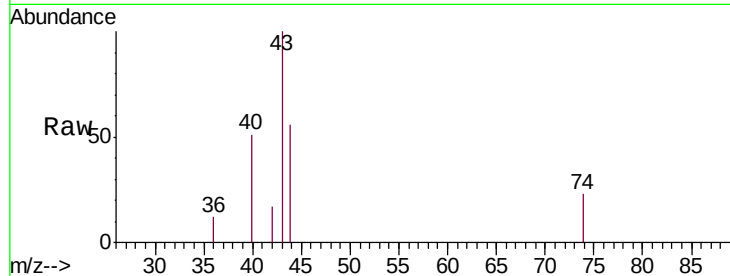




#18
Methyl Acetate
Concen: 1.297 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW012373.D
Acq: 31 Aug 2019 02:29

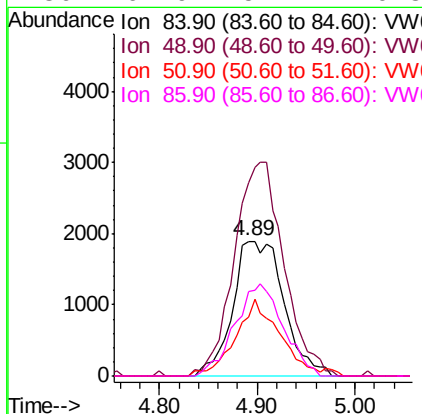
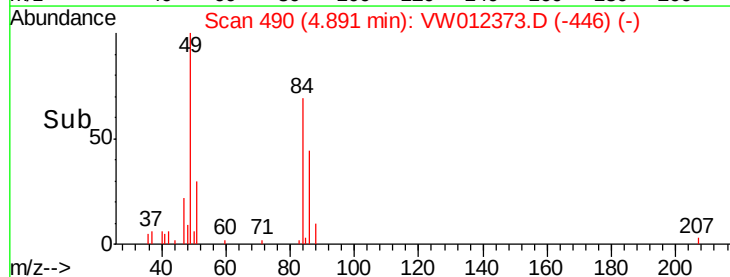
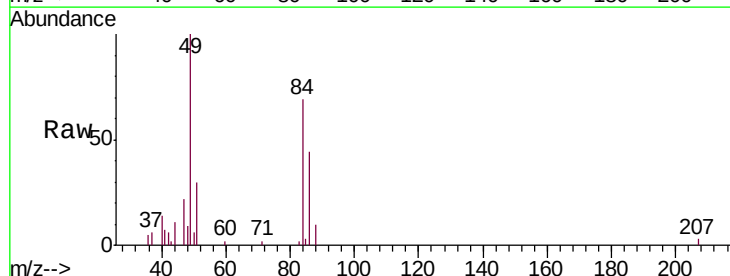
Instrument :
MSVOA_W
ClientSampleId :
S-2-(5-7)

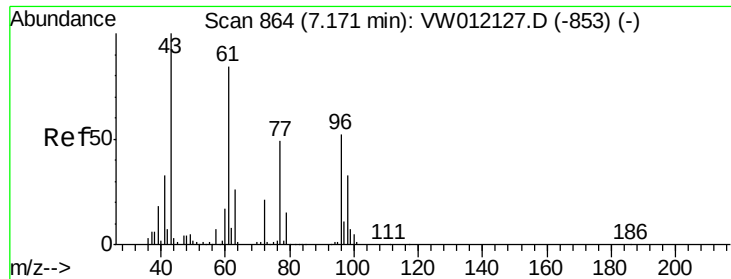
Tgt Ion: 43 Resp: 1950
Ion Ratio Lower Upper
43 100
74 5.0 15.7 23.5#



#20
Methylene Chloride
Concen: 3.001 ug/l
RT: 4.89 min Scan# 490
Delta R.T. -0.03 min
Lab File: VW012373.D
Acq: 31 Aug 2019 02:29

Tgt Ion: 84 Resp: 6884
Ion Ratio Lower Upper
84 100
49 144.1 117.8 176.8
51 43.8 35.6 53.4
86 62.9 51.2 76.8





#25

2-Butanone

Concen: 1.786 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012373.D

Acq: 31 Aug 2019 02:29

Instrument :

MSVOA_W

ClientSampleId :

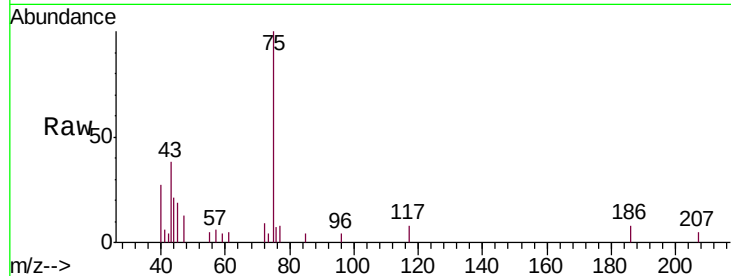
S-2-(5-7)

Tgt Ion: 43 Resp: 1473

Ion Ratio Lower Upper

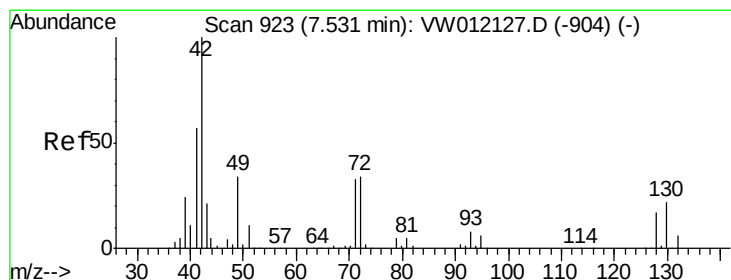
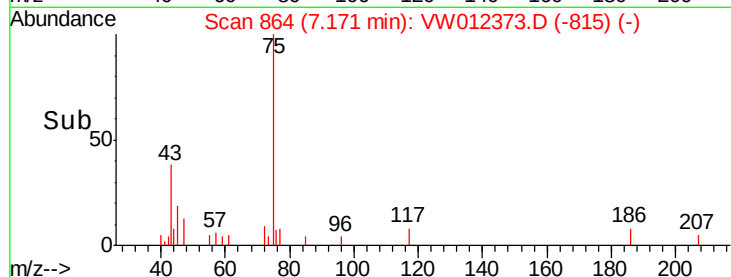
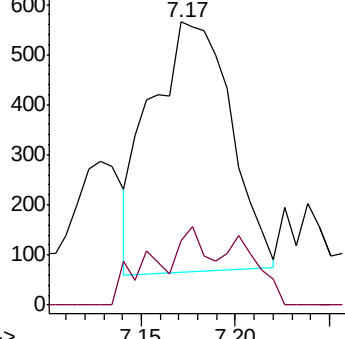
43 100

72 16.5 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 1.136 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW012373.D

Acq: 31 Aug 2019 02:29

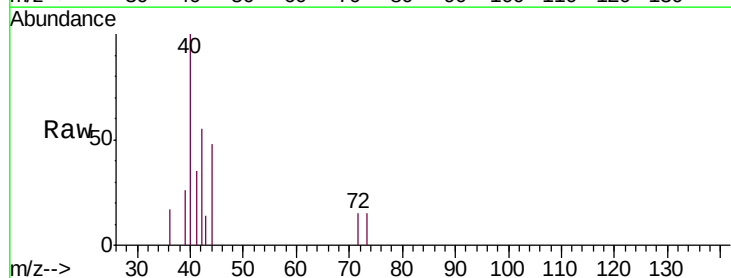
Tgt Ion: 42 Resp: 562

Ion Ratio Lower Upper

42 100

72 7.8 27.3 40.9#

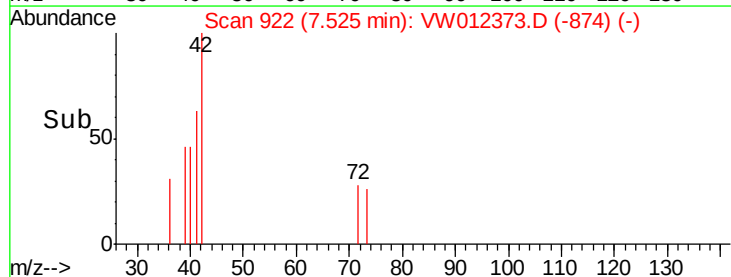
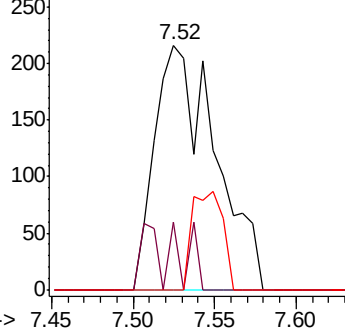
71 0.0 25.5 38.3#

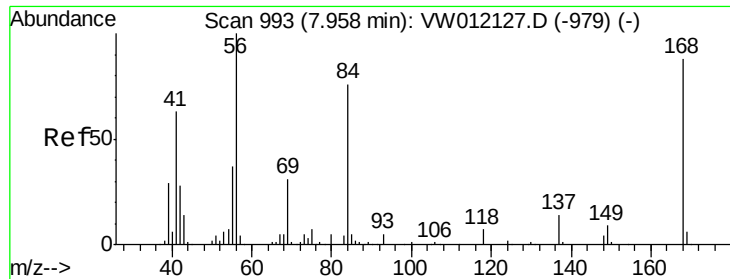


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

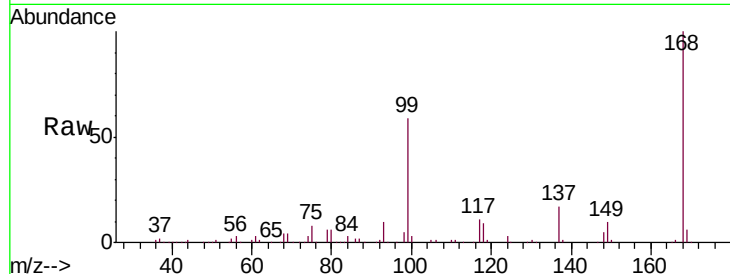




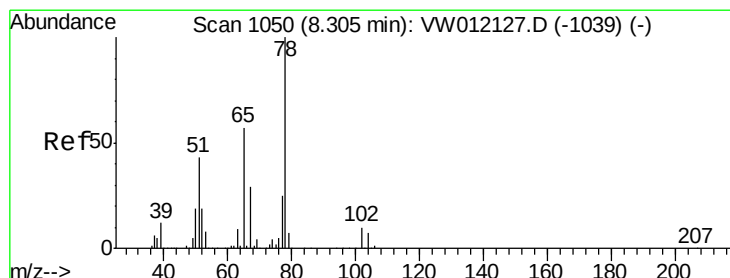
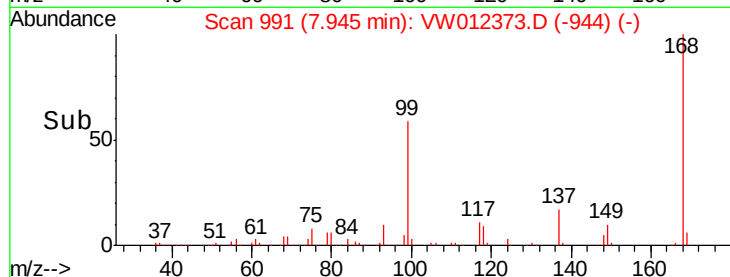
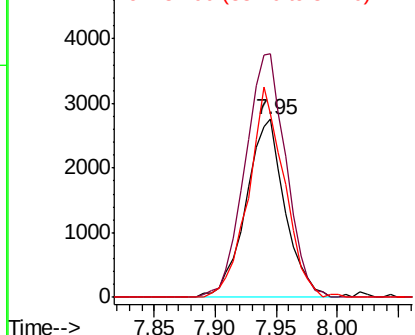
#31
Cyclohexane
Concen: 1.435 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012373.D
Acq: 31 Aug 2019 02:29

Instrument :
MSVOA_W
ClientSampleId :
S-2-(5-7)

Tgt Ion: 56 Resp: 6137
Ion Ratio Lower Upper
56 100
69 136.7 24.9 37.3#
84 103.1 60.6 90.8#

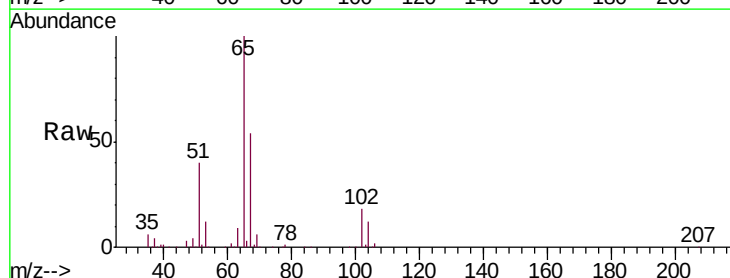


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

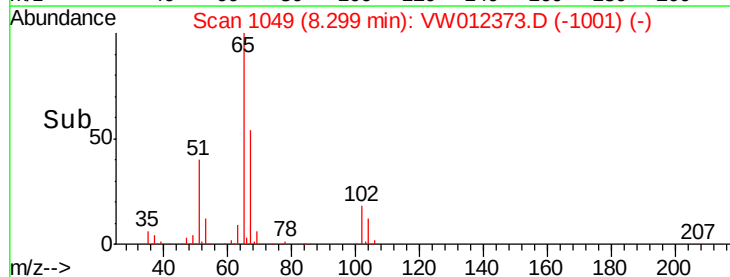
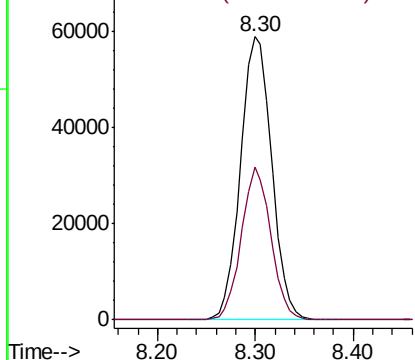


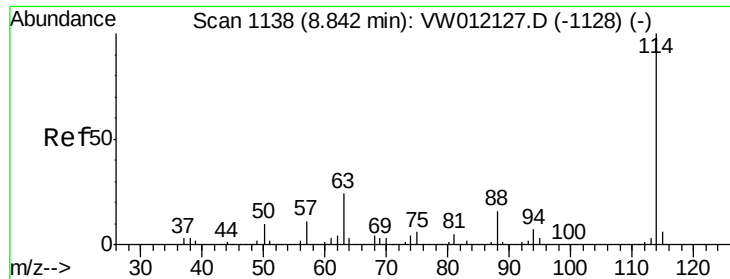
#33
1,2-Dichloroethane-d4
Concen: 54.978 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW012373.D
Acq: 31 Aug 2019 02:29

Tgt Ion: 65 Resp: 130517
Ion Ratio Lower Upper
65 100
67 51.1 0.0 102.6



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

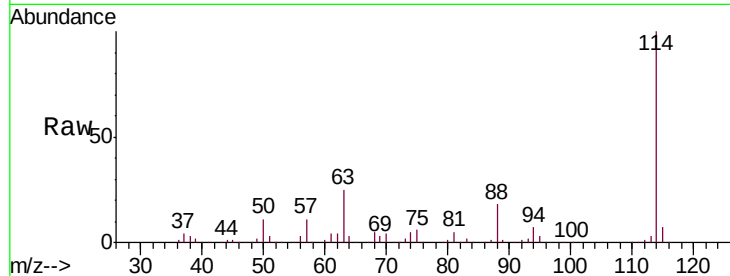




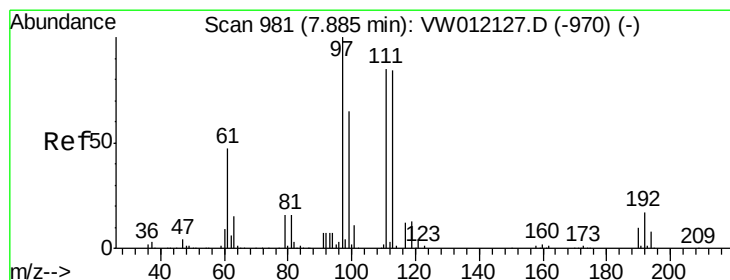
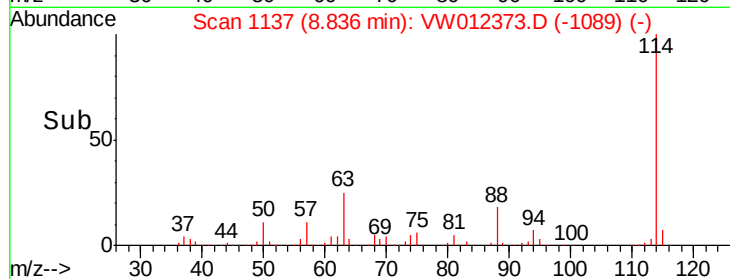
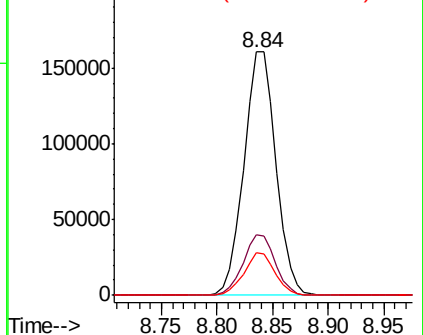
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW012373.D
 Acq: 31 Aug 2019 02:29

Instrument :
 MSVOA_W
 ClientSampleId :
 S-2-(5-7)

Tgt Ion:114 Resp: 321874
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 48.6
 88 17.5 0.0 32.2

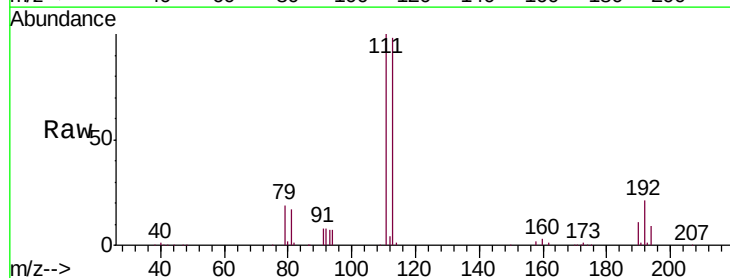


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

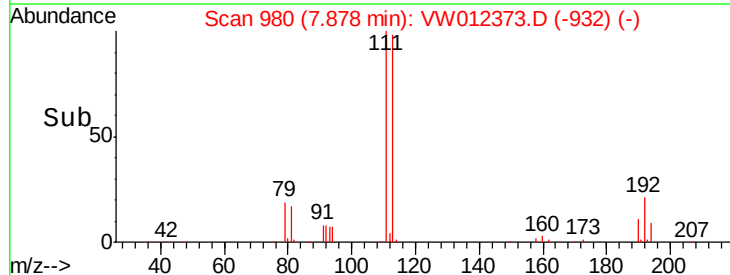
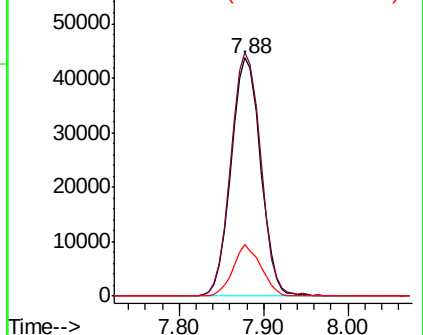


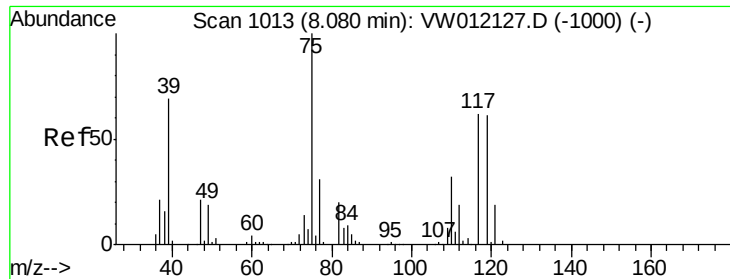
#35
 Dibromofluoromethane
 Concen: 54.056 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012373.D
 Acq: 31 Aug 2019 02:29

Tgt Ion:113 Resp: 103856
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.7 124.1
 192 20.4 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

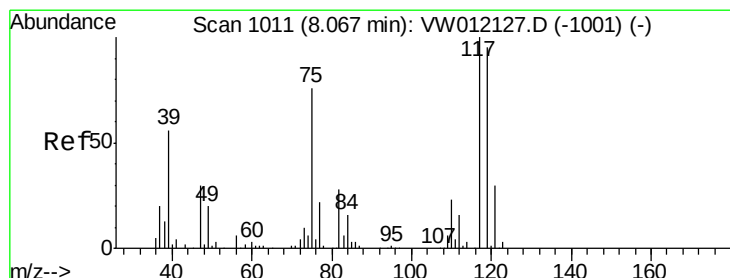
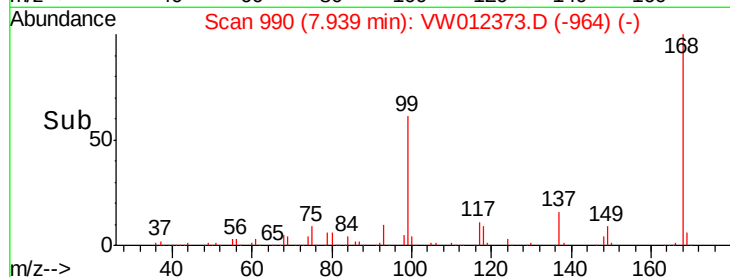
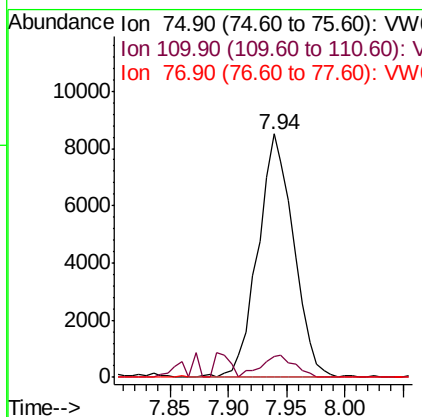
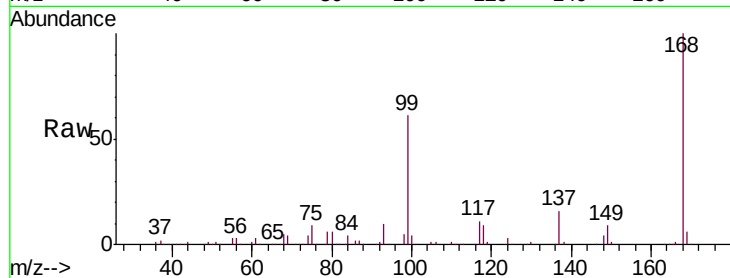




#36
 1,1-Dichloropropene
 Concen: 5.414 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW012373.D
 Acq: 31 Aug 2019 02:29

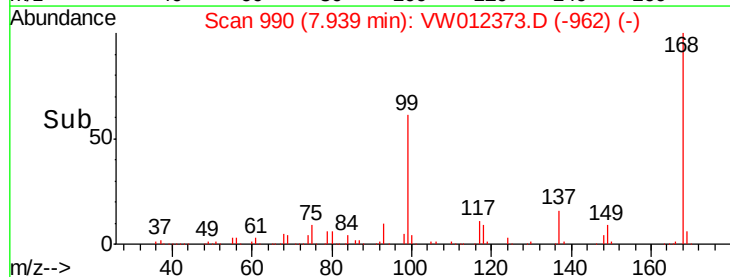
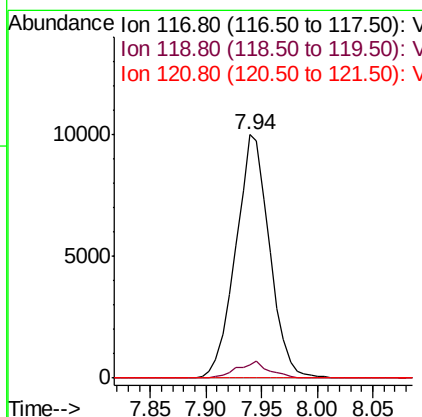
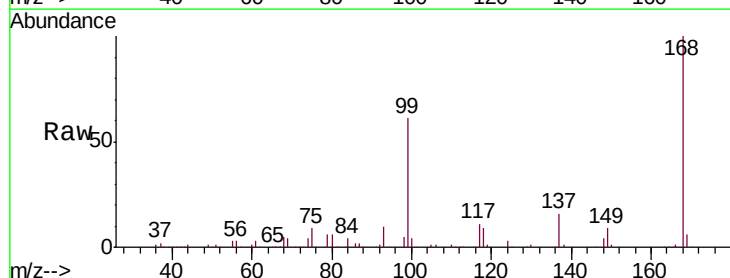
Instrument :
 MSVOA_W
 ClientSampled :
 S-2-(5-7)

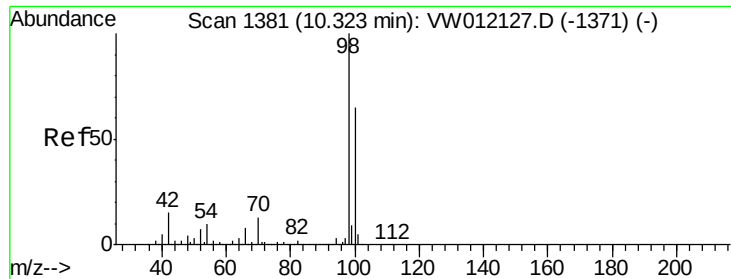
Tgt Ion: 75 Resp: 18007
 Ion Ratio Lower Upper
 75 100
 110 8.6 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.333 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012373.D
 Acq: 31 Aug 2019 02:29

Tgt Ion: 117 Resp: 21111
 Ion Ratio Lower Upper
 117 100
 119 5.3 76.2 114.2#
 121 0.0 23.8 35.8#

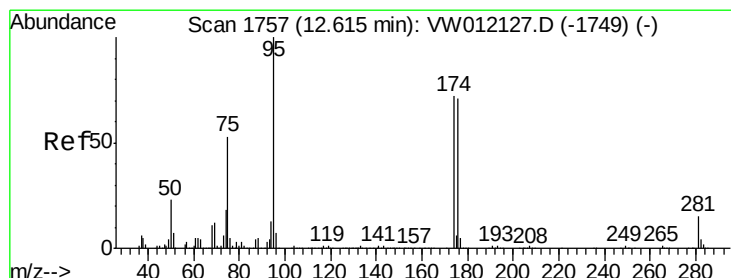
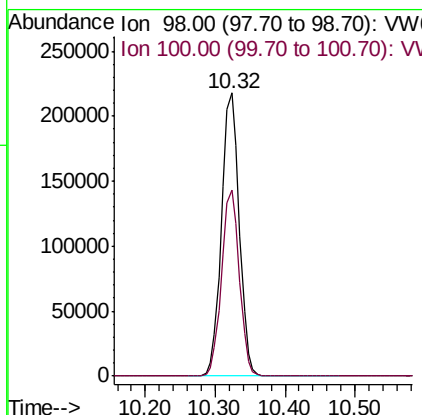
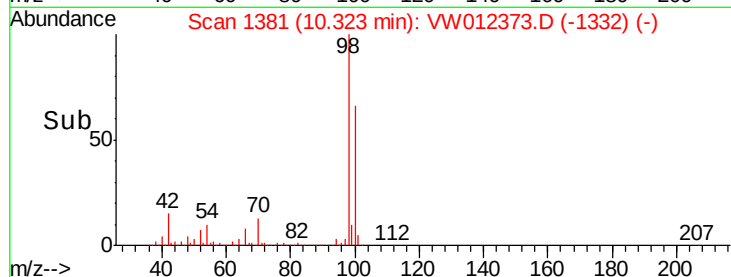
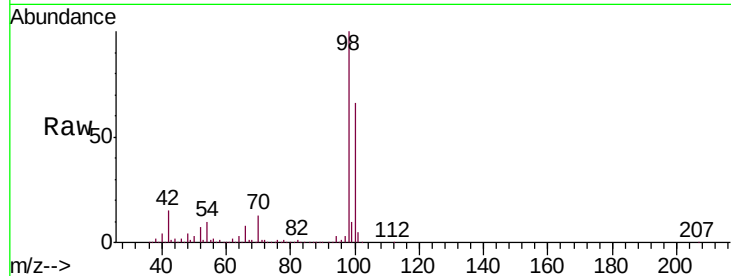




#50
Toluene-d8
Concen: 49.384 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012373.D
Acq: 31 Aug 2019 02:29

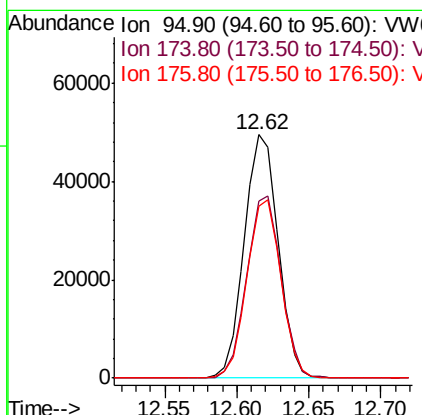
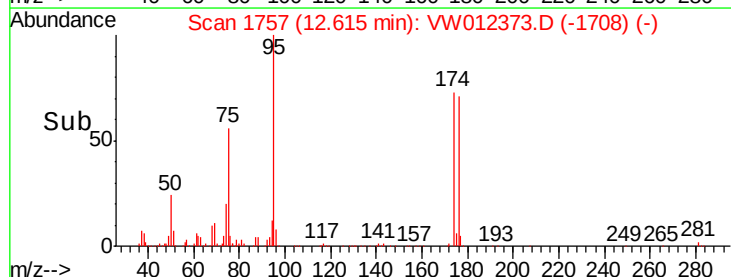
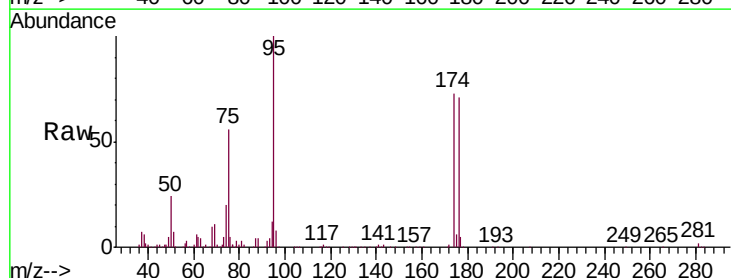
Instrument :
MSVOA_W
ClientSampleId :
S-2-(5-7)

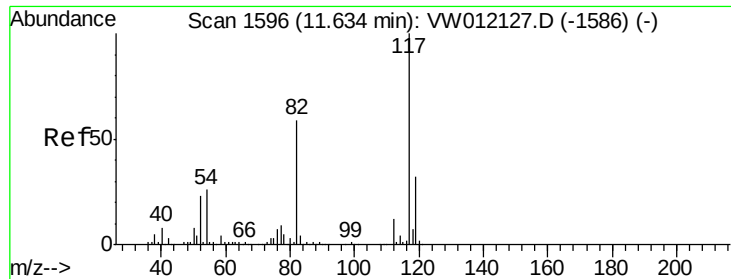
Tgt Ion: 98 Resp: 384714
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 29.364 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012373.D
Acq: 31 Aug 2019 02:29

Tgt Ion: 95 Resp: 80634
Ion Ratio Lower Upper
95 100
174 75.4 0.0 150.8
176 73.4 0.0 148.6

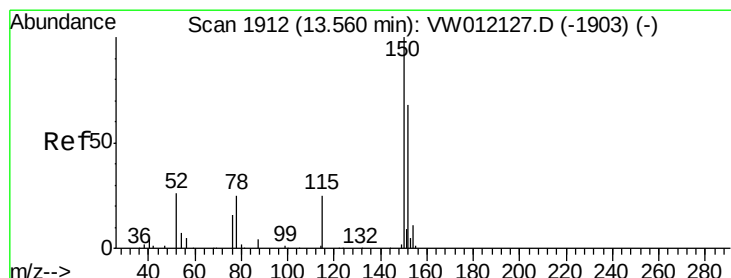
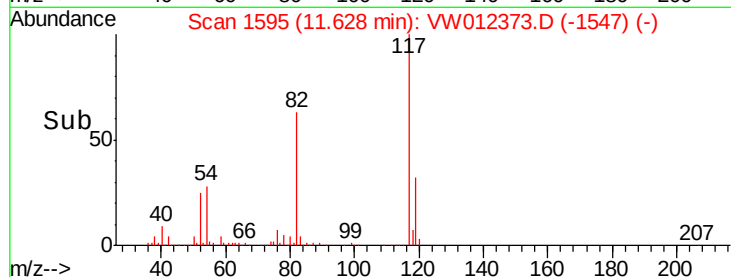
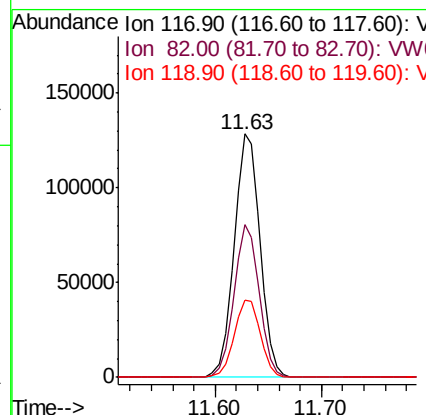
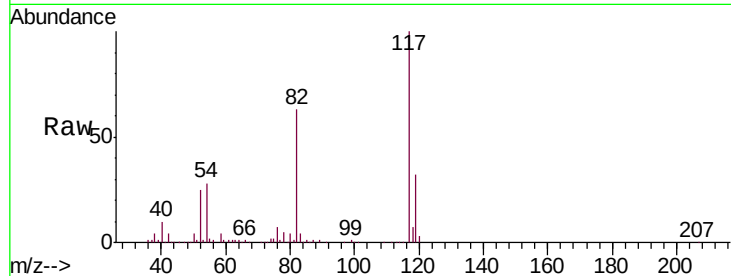




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012373.D
Acq: 31 Aug 2019 02:29

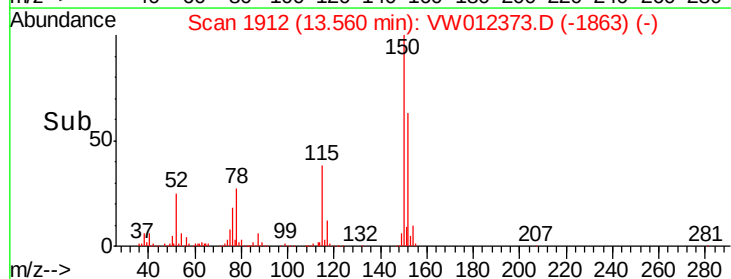
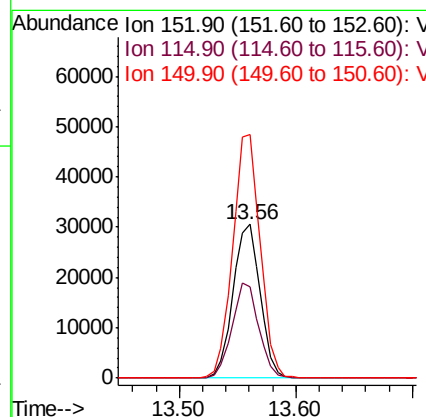
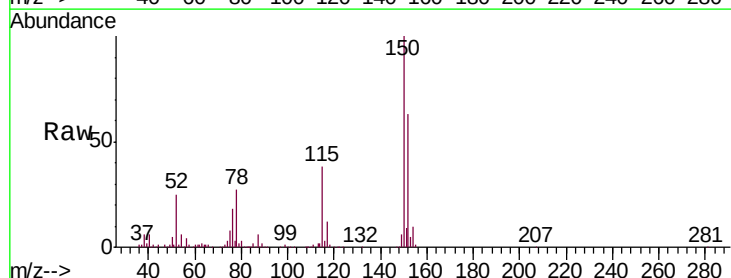
Instrument :
MSVOA_W
ClientSampleId :
S-2-(5-7)

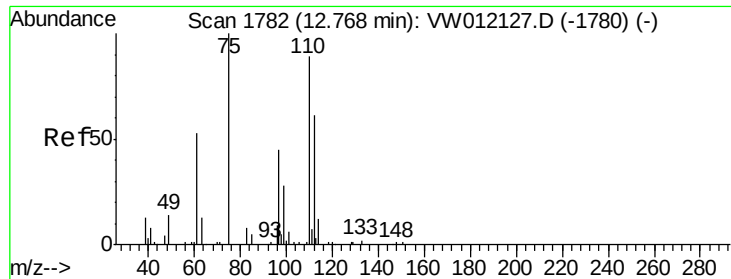
Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.9	47.4	71.2
119	31.6	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012373.D
Acq: 31 Aug 2019 02:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.1	90.3
150	160.1	0.0	345.8

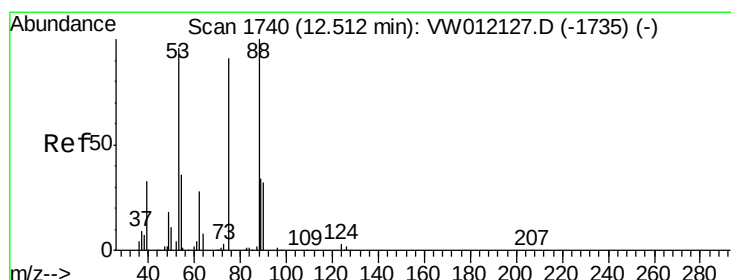
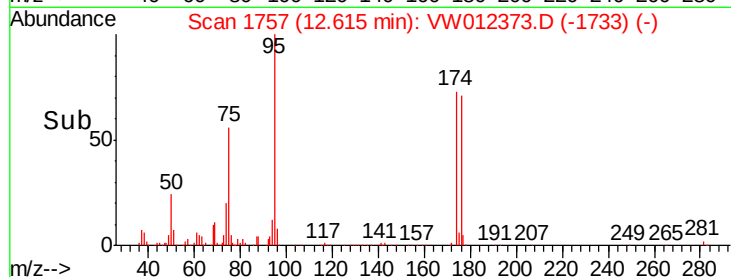
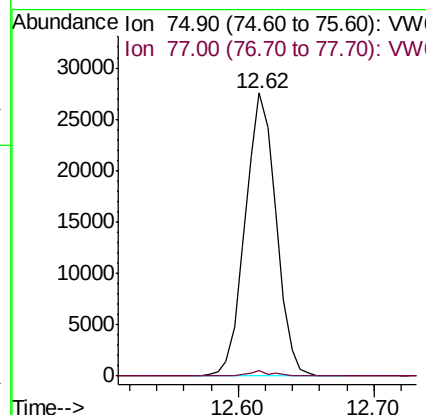
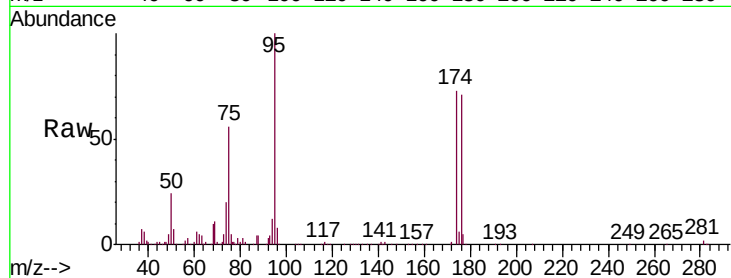




#76
 1,2,3-Trichloropropane
 Concen: 90.802 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012373.D
 Acq: 31 Aug 2019 02:29

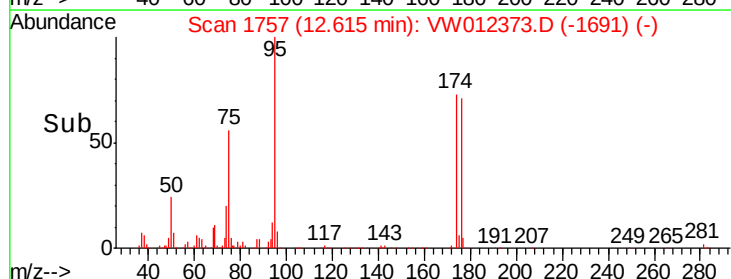
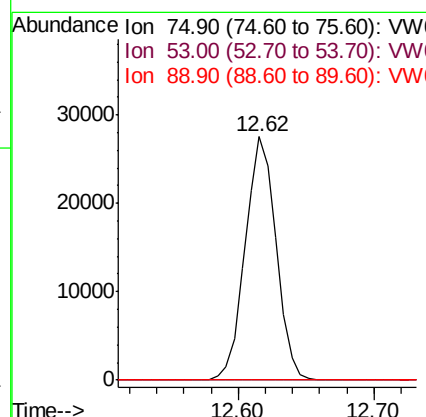
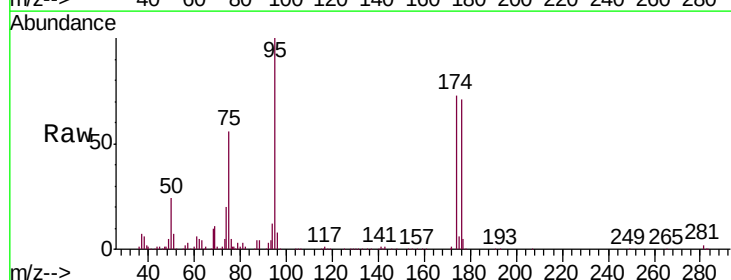
Instrument :
 MSVOA_W
 ClientSampleId :
 S-2-(5-7)

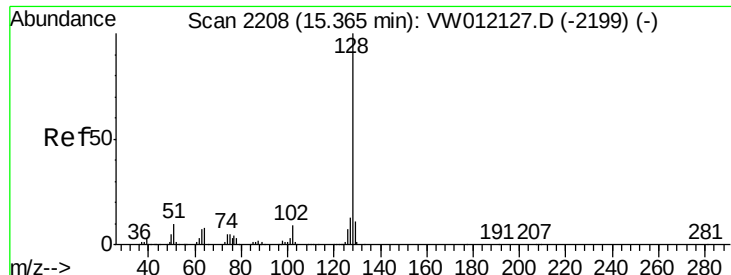
Tgt Ion: 75 Resp: 43732
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 199.087 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012373.D
 Acq: 31 Aug 2019 02:29

Tgt Ion: 75 Resp: 43732
 Ion Ratio Lower Upper
 75 100
 53 0.1 89.4 134.0#
 89 0.0 34.5 51.7#





#95

Naphthalene

Concen: 4.460 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012373.D

Acq: 31 Aug 2019 02:29

Instrument :

MSVOA_W

ClientSampleId :

S-2-(5-7)

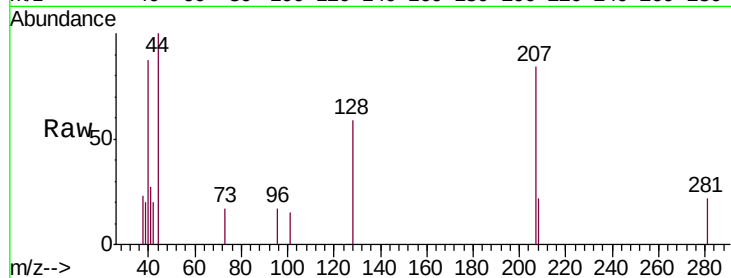
Tgt Ion:128 Resp: 284

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

