

Data File : VW012705.D
Acq On : 06 Sep 2019 22:06
Operator : SY/VA
Sample : K4581-18
Misc : 3.00G/5ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T12-D3-(3.5)

Quant Time: Sep 07 04:43:56 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	237952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	365616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	295336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	119214	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	137702	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
35) Dibromofluoromethane	7.88	113	107727	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
50) Toluene-d8	10.32	98	424104	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
62) 4-Bromofluorobenzene	12.62	95	131951	42.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.60%	

Target Compounds

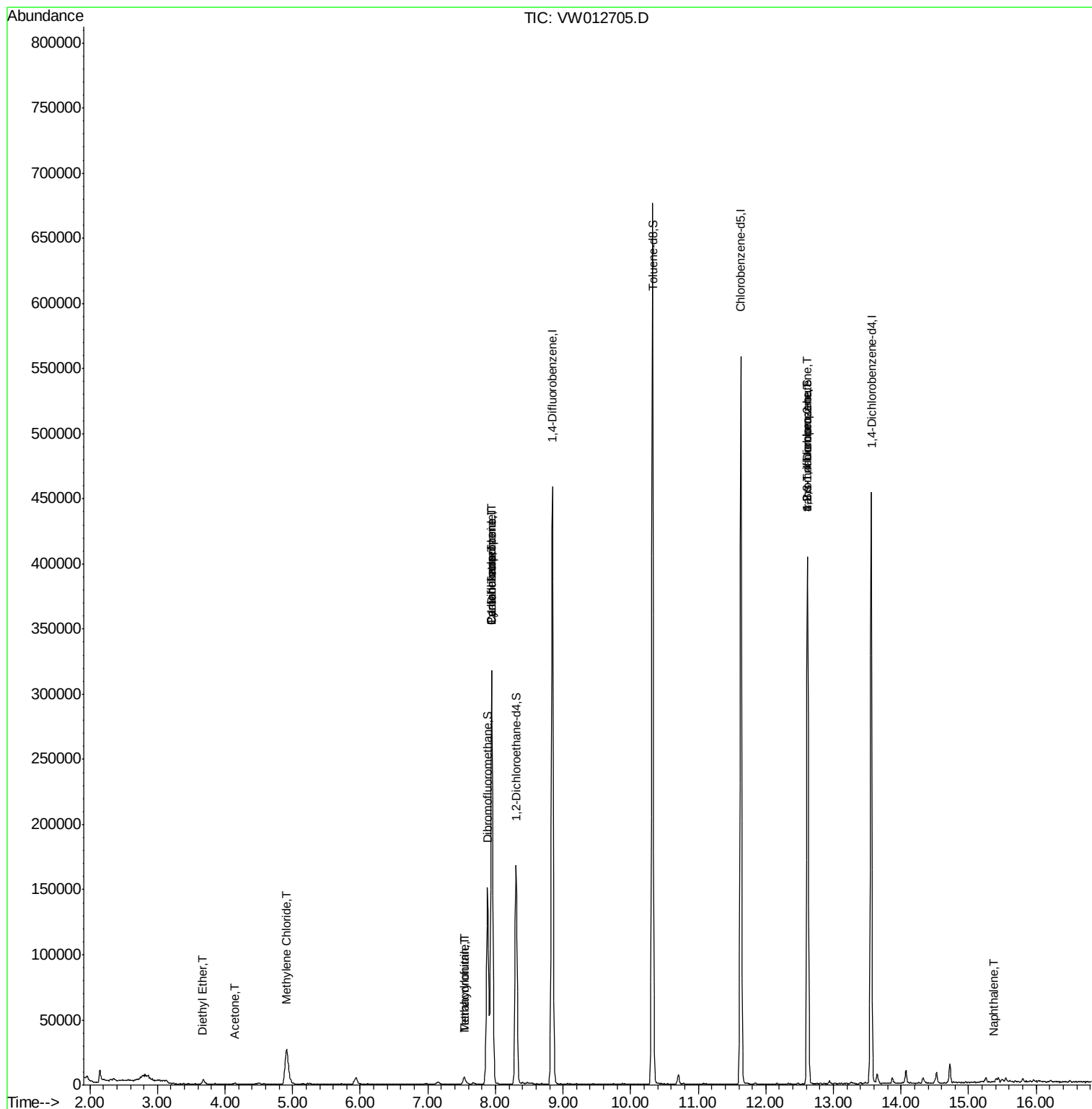
						Qvalue
8) Diethyl Ether	3.68	74	1771	1.337	ug/l	66
16) Acetone	4.15	43	1218	1.684	ug/l	92
20) Methylene Chloride	4.92	84	20773	7.599	ug/l	91
29) Tetrahydrofuran	7.54	42	4926	8.356	ug/l	95
31) Cyclohexane	7.95	56	5286	1.037	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18531	4.905	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23797	7.277	ug/l #	17
41) Methacrylonitrile	7.54	41	3023	2.484	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	69732	60.059	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	69732	131.681	ug/l #	6
95) Naphthalene	15.38	128	234	4.369	ug/l #	86

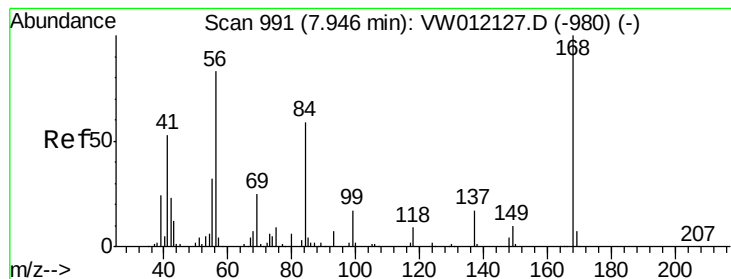
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012705.D

Acq: 06 Sep 2019 22:06

Instrument :

MSVOA_W

ClientSampleId :

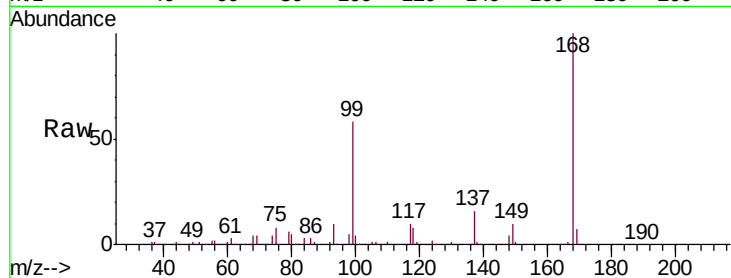
T12-D3-(3.5)

Tgt Ion:168 Resp: 237952

Ion Ratio Lower Upper

168 100

99 58.1 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

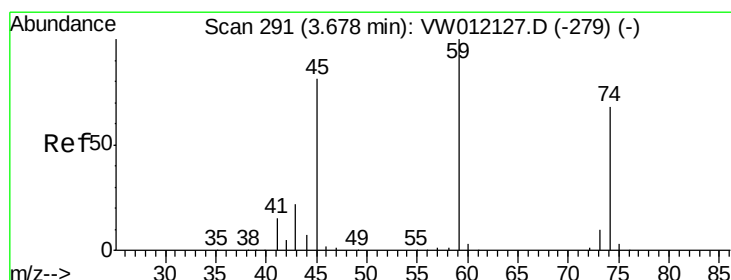
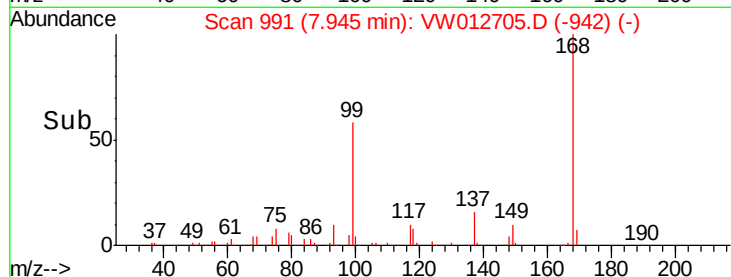
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.337 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012705.D

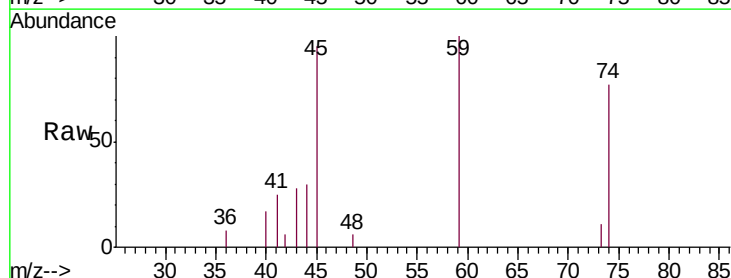
Acq: 06 Sep 2019 22:06

Tgt Ion: 74 Resp: 1771

Ion Ratio Lower Upper

74 100

45 155.6 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1200

1000

800

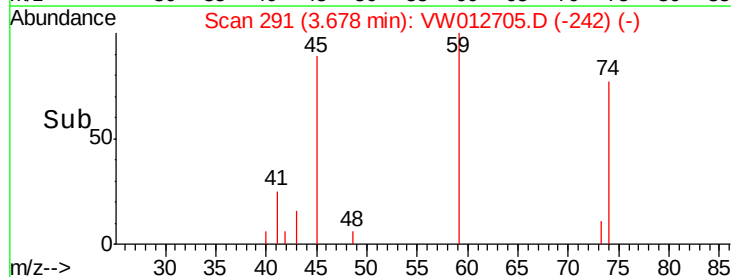
600

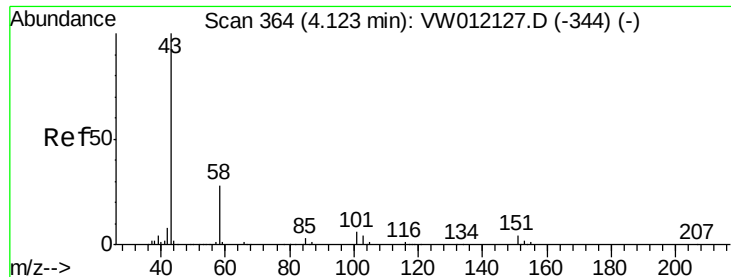
400

200

0

Time--> 3.60 3.65 3.70 3.75

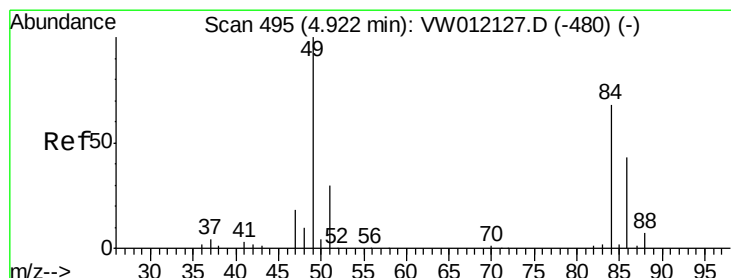
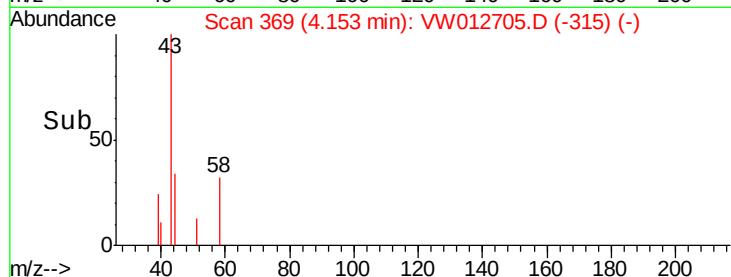
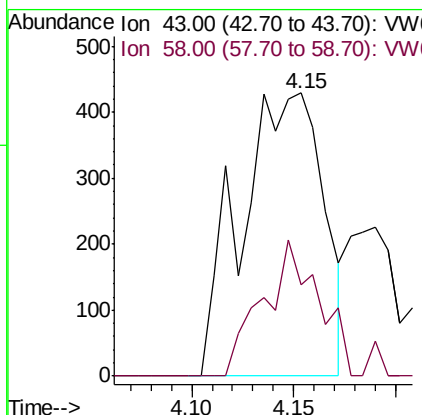
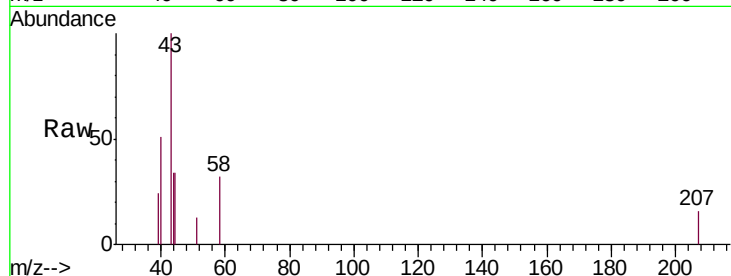




#16
Acetone
Concen: 1.684 ug/l
RT: 4.15 min Scan# 369
Delta R.T. 0.03 min
Lab File: VW012705.D
Acq: 06 Sep 2019 22:06

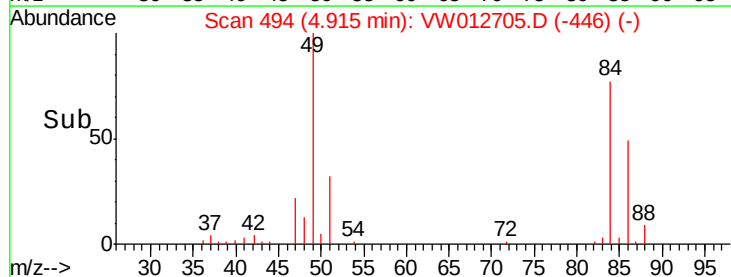
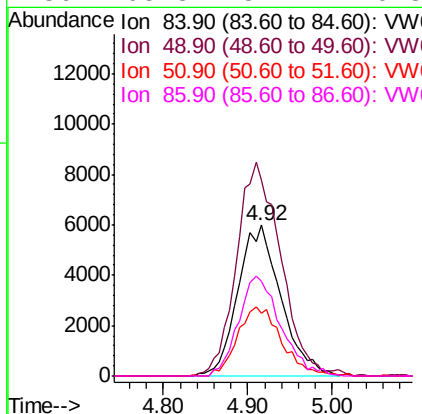
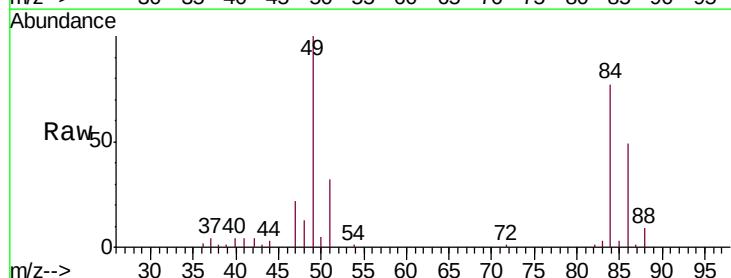
Instrument :
MSVOA_W
ClientSampled :
T12-D3-(3.5)

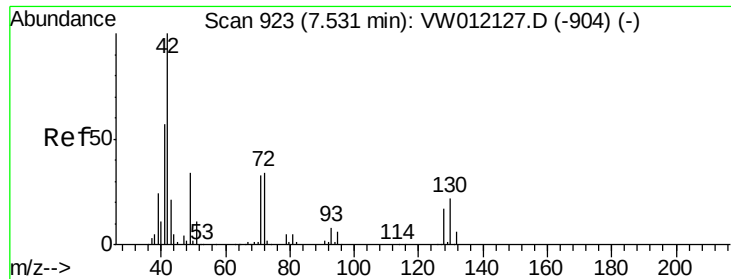
Tgt Ion: 43 Resp: 1218
Ion Ratio Lower Upper
43 100
58 32.2 22.4 33.6



#20
Methylene Chloride
Concen: 7.599 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012705.D
Acq: 06 Sep 2019 22:06

Tgt Ion: 84 Resp: 20773
Ion Ratio Lower Upper
84 100
49 130.1 117.8 176.8
51 41.4 35.6 53.4
86 63.3 51.2 76.8

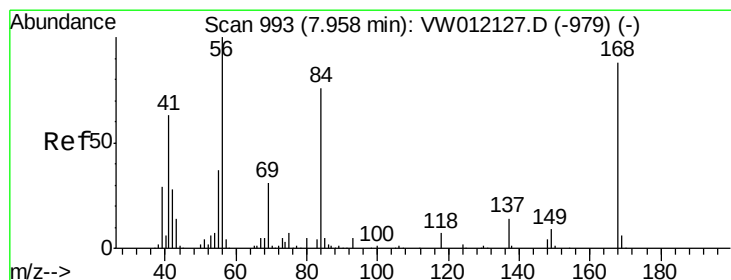
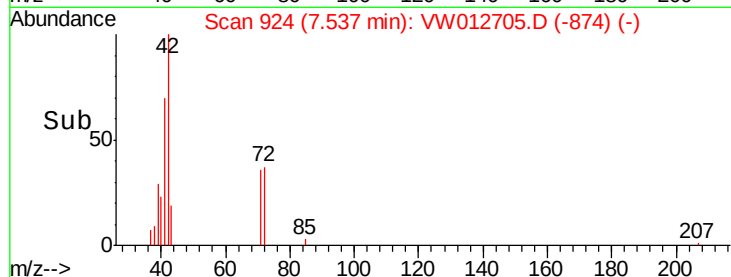
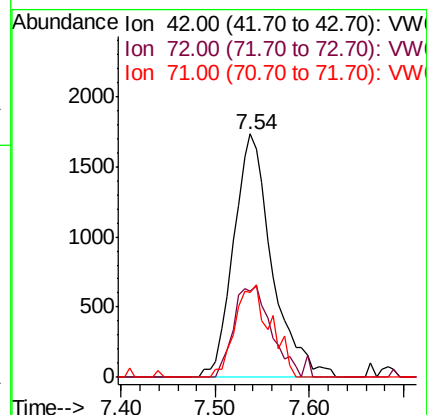
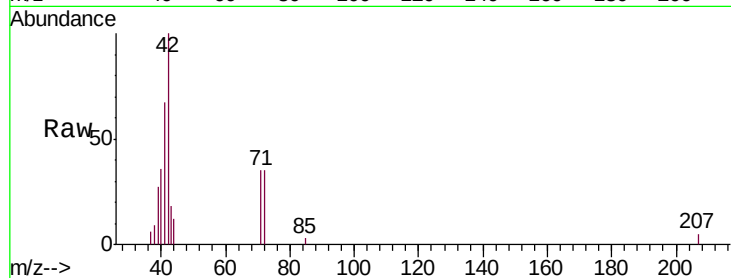




#29
Tetrahydrofuran
Concen: 8.356 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012705.D
Acq: 06 Sep 2019 22:06

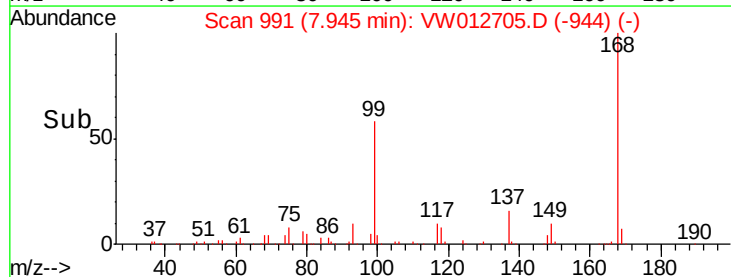
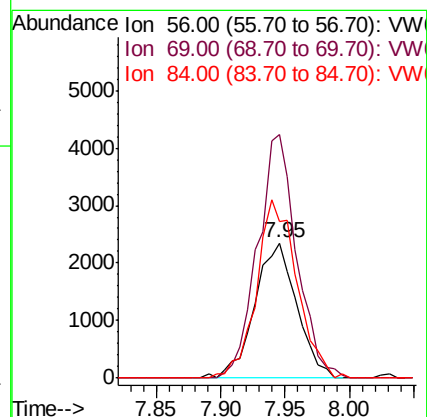
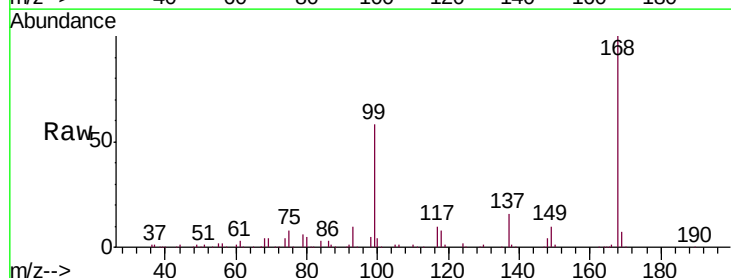
Instrument :
MSVOA_W
ClientSampleId :
T12-D3-(3.5)

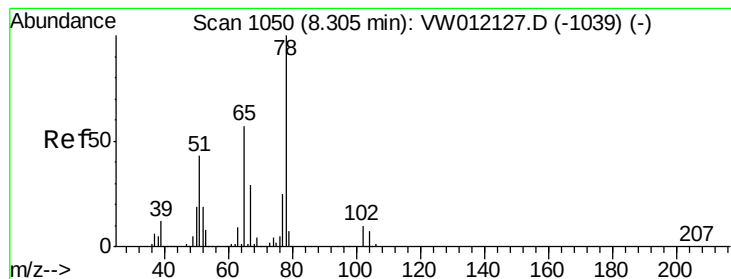
Tgt Ion: 42 Resp: 4926
Ion Ratio Lower Upper
42 100
72 36.6 27.3 40.9
71 35.4 25.5 38.3



#31
Cyclohexane
Concen: 1.037 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012705.D
Acq: 06 Sep 2019 22:06

Tgt Ion: 56 Resp: 5286
Ion Ratio Lower Upper
56 100
69 180.1 24.9 37.3#
84 116.0 60.6 90.8#





#33

1,2-Dichloroethane-d4

Concen: 48.681 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012705.D

Acq: 06 Sep 2019 22:06

Instrument :

MSVOA_W

ClientSampleId :

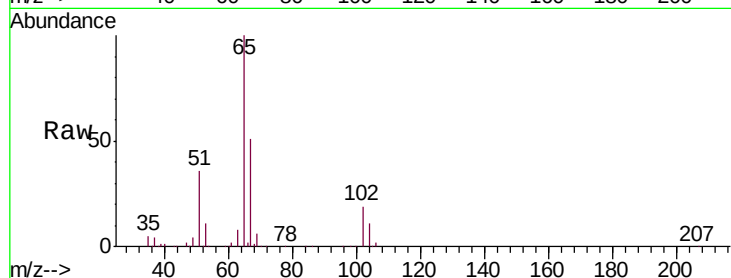
T12-D3-(3.5)

Tgt Ion: 65 Resp: 137702

Ion Ratio Lower Upper

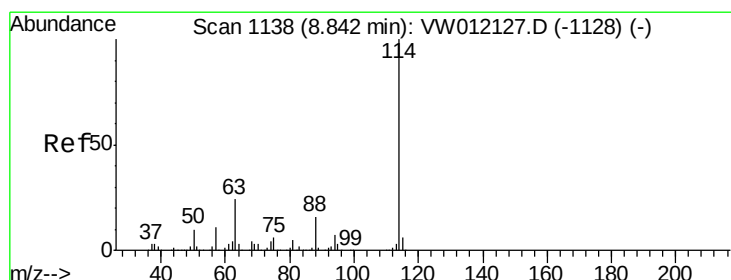
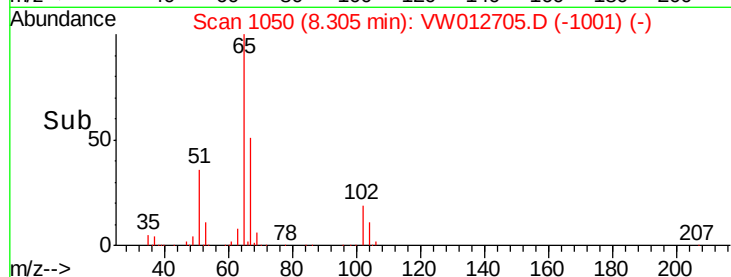
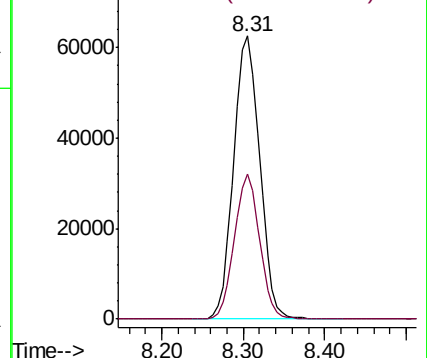
65 100

67 49.3 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: VW012705.D

Acq: 06 Sep 2019 22:06

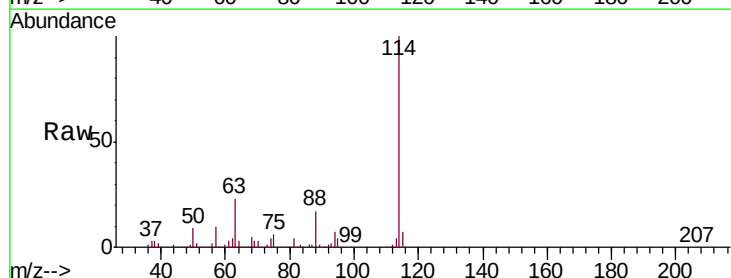
Tgt Ion: 114 Resp: 365616

Ion Ratio Lower Upper

114 100

63 23.1 0.0 48.6

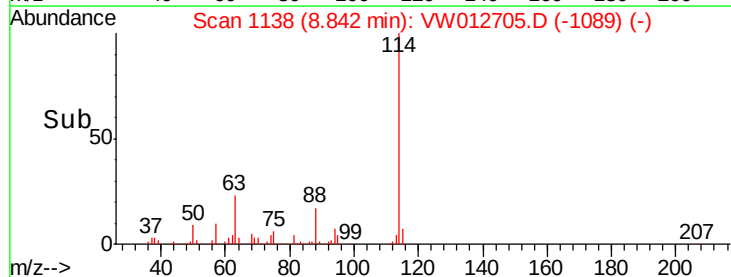
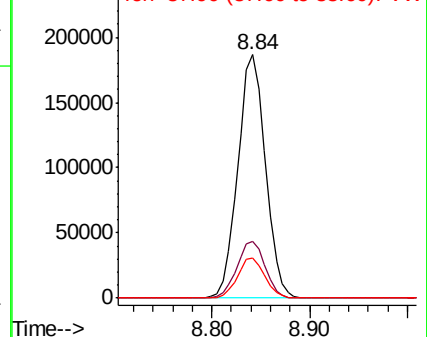
88 16.6 0.0 32.2

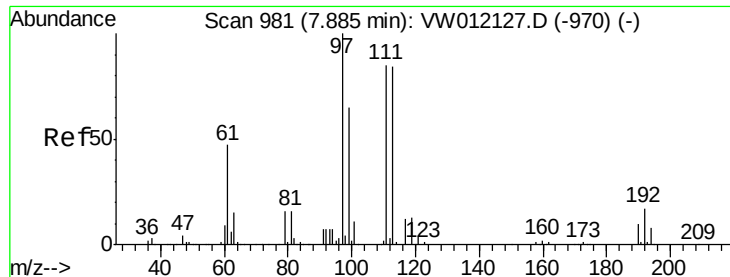


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

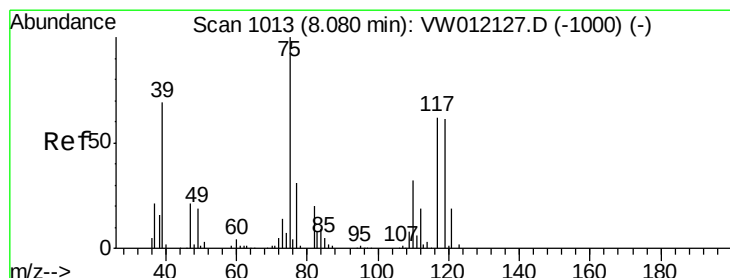
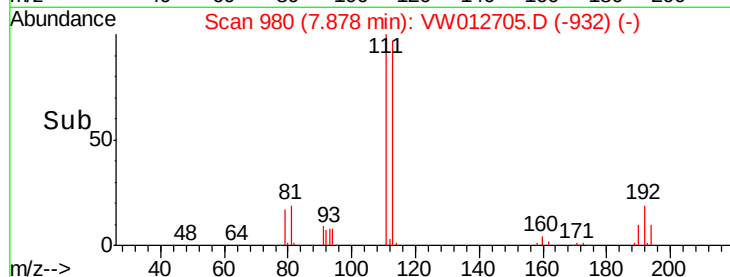
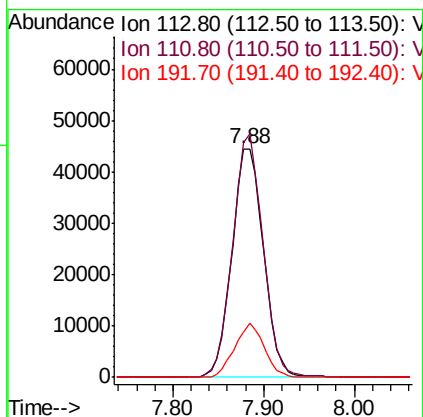
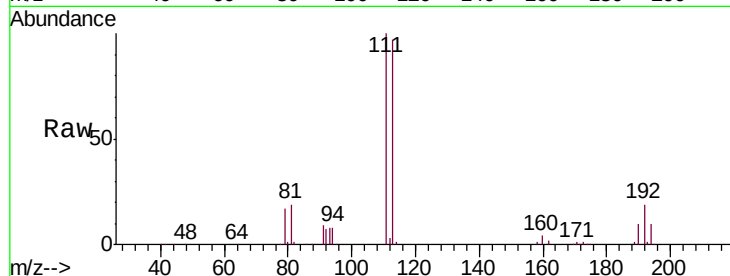




#35
 Dibromofluoromethane
 Concen: 49.362 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012705.D
 Acq: 06 Sep 2019 22:06

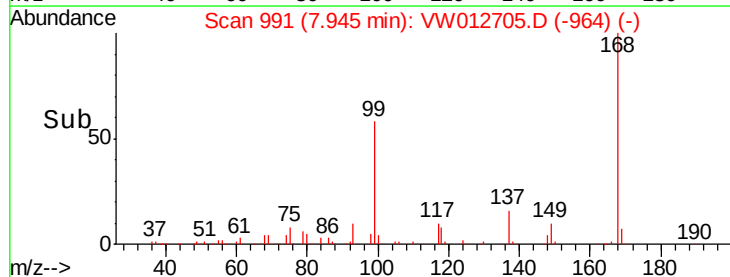
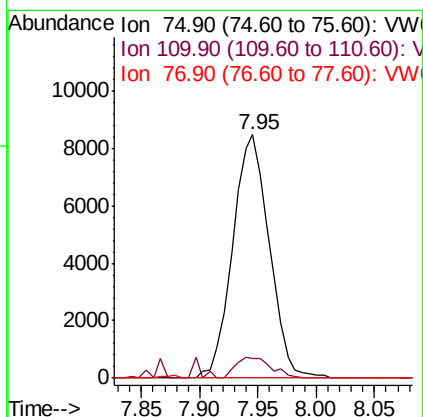
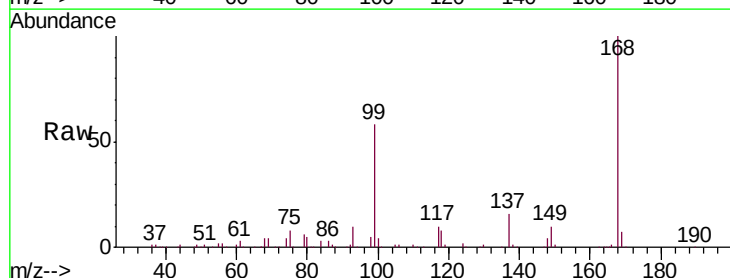
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-D3-(3.5)

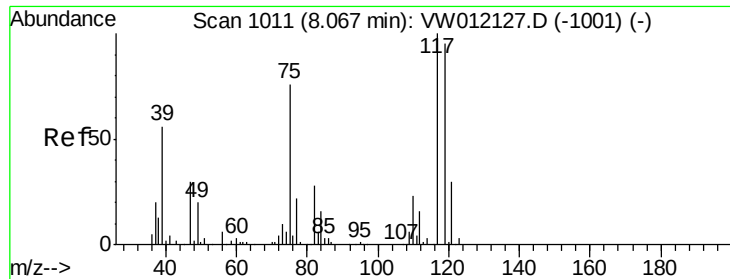
Tgt Ion:113 Resp: 107727
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.7 124.1
 192 22.0 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.905 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012705.D
 Acq: 06 Sep 2019 22:06

Tgt Ion: 75 Resp: 18531
 Ion Ratio Lower Upper
 75 100
 110 8.4 15.6 46.8#
 77 0.0 24.6 36.8#

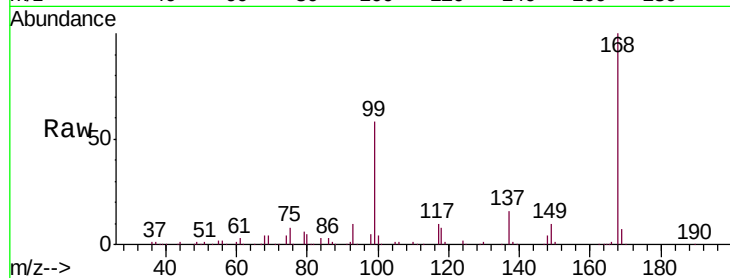




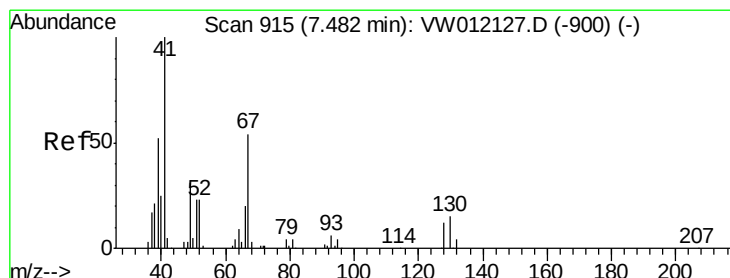
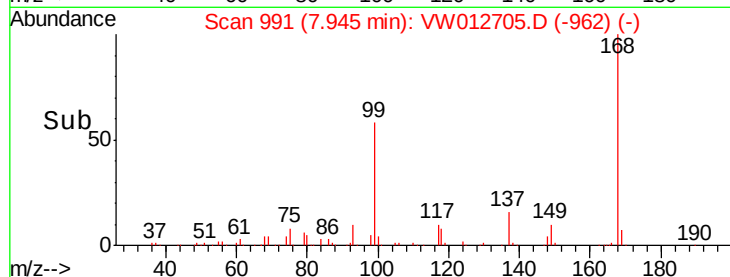
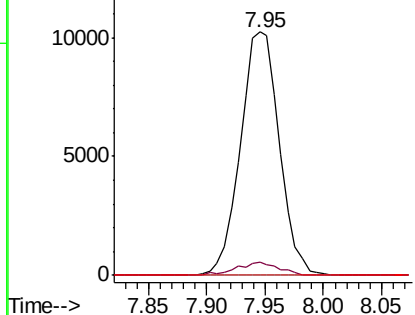
#38
Carbon Tetrachloride
Concen: 7.277 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012705.D
Acq: 06 Sep 2019 22:06

Instrument :
MSVOA_W
ClientSampleId :
T12-D3-(3.5)

Tgt Ion: 117 Resp: 23797
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 23.8 35.8#

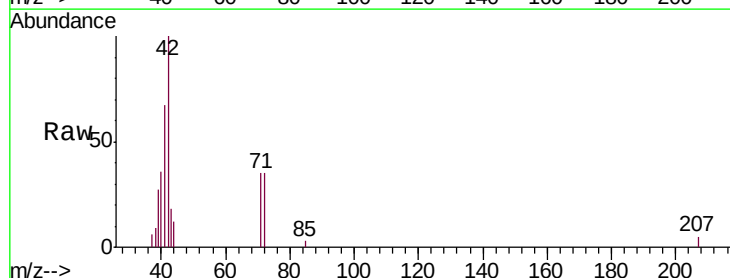


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

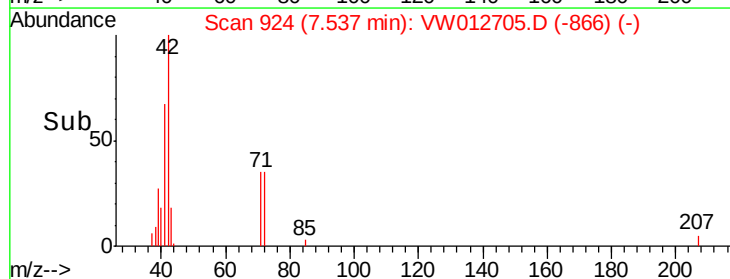
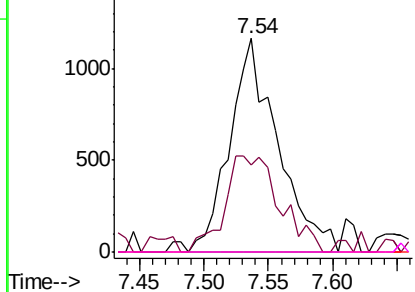


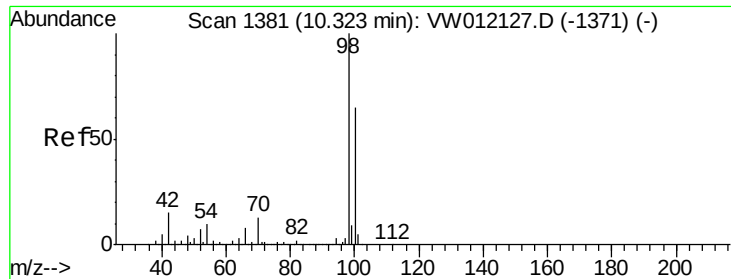
#41
Methacrylonitrile
Concen: 2.484 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012705.D
Acq: 06 Sep 2019 22:06

Tgt Ion: 41 Resp: 3023
Ion Ratio Lower Upper
41 100
39 51.5 45.8 68.8
67 0.0 46.2 69.4#
52 0.0 21.0 31.6#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

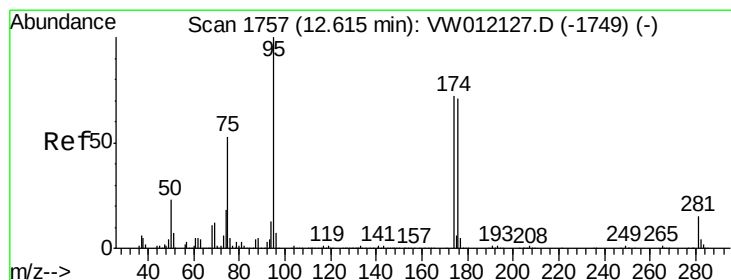
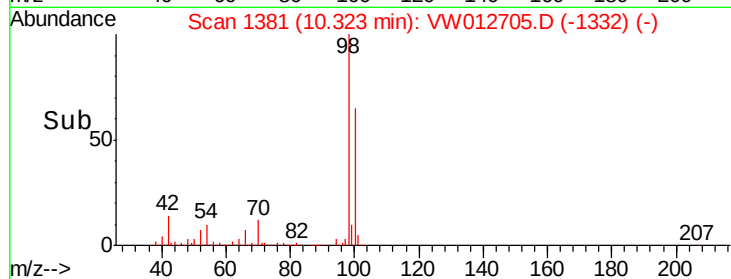
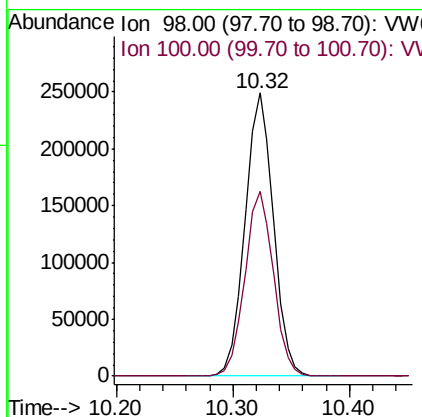
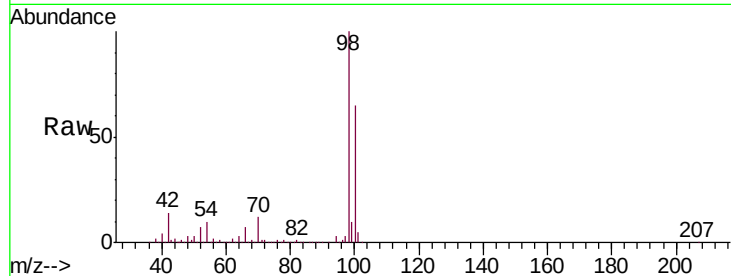




#50
Toluene-d8
Concen: 47.927 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012705.D
Acq: 06 Sep 2019 22:06

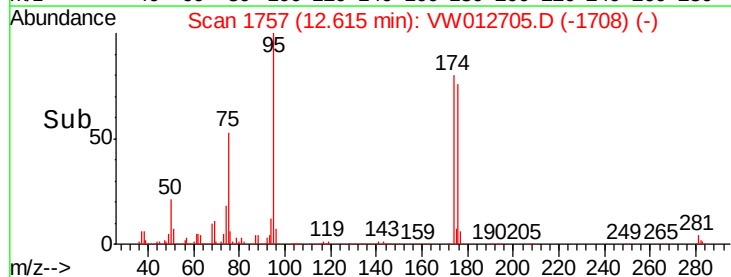
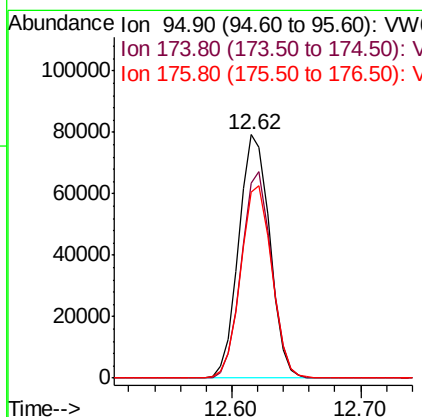
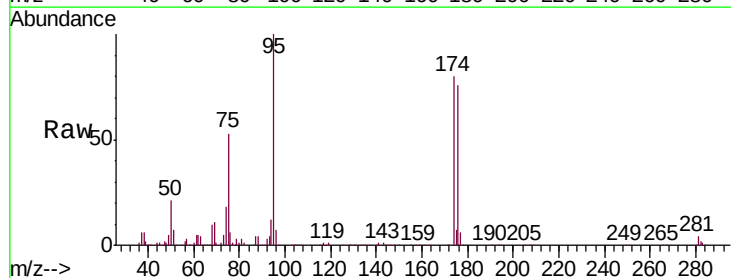
Instrument :
MSVOA_W
ClientSampleId :
T12-D3-(3.5)

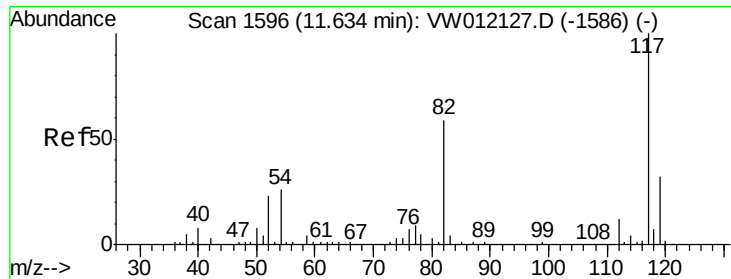
Tgt Ion: 98 Resp: 424104
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 42.303 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012705.D
Acq: 06 Sep 2019 22:06

Tgt Ion: 95 Resp: 131951
Ion Ratio Lower Upper
95 100
174 82.3 0.0 150.8
176 79.4 0.0 148.6

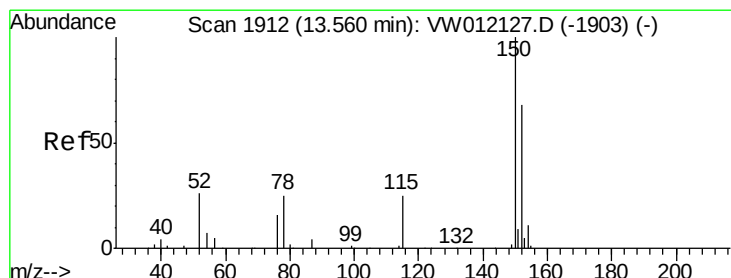
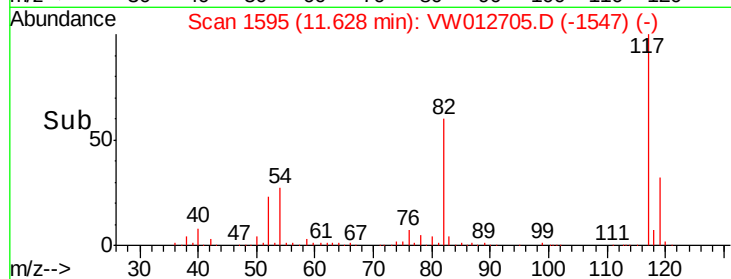
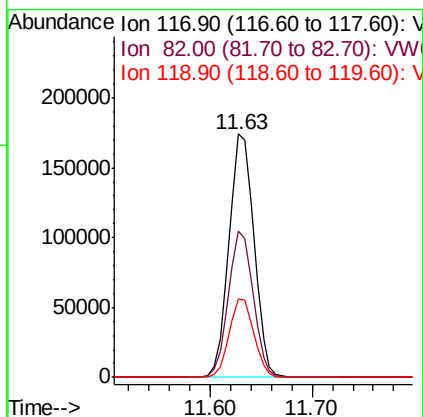
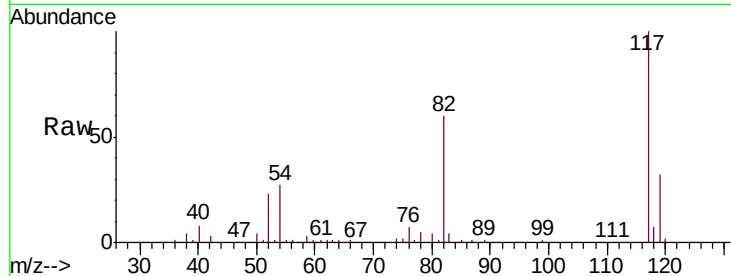




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012705.D
Acq: 06 Sep 2019 22:06

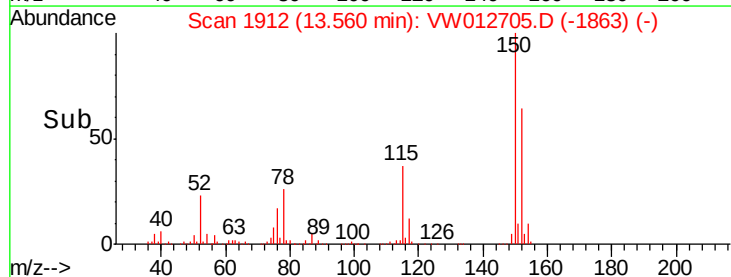
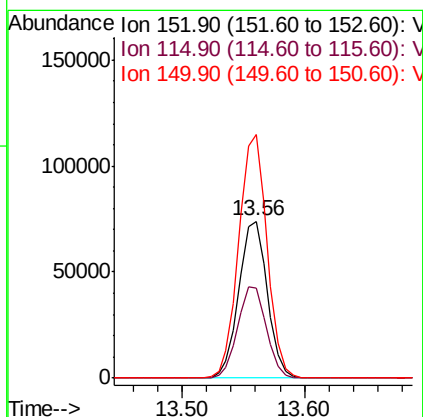
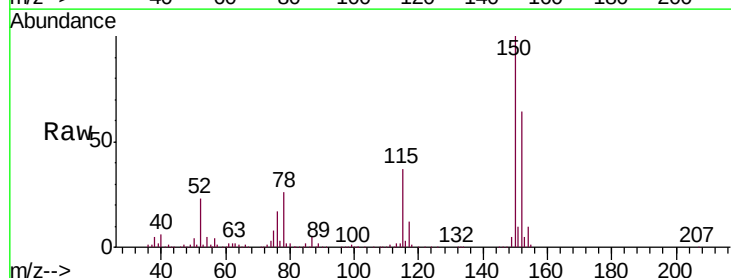
Instrument :
MSVOA_W
ClientSampleId :
T12-D3-(3.5)

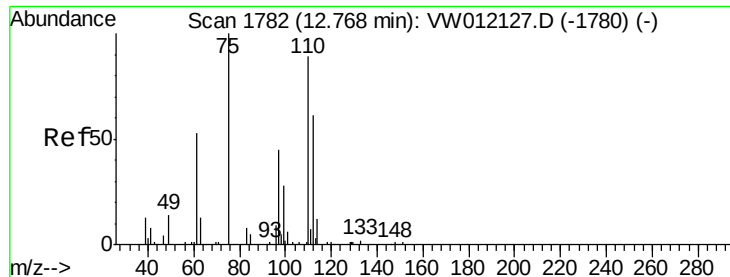
Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.4	47.4	71.2
119	32.2	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012705.D
Acq: 06 Sep 2019 22:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	30.1	90.3
150	154.2	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 60.059 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012705.D

Acq: 06 Sep 2019 22:06

Instrument :

MSVOA_W

ClientSampleId :

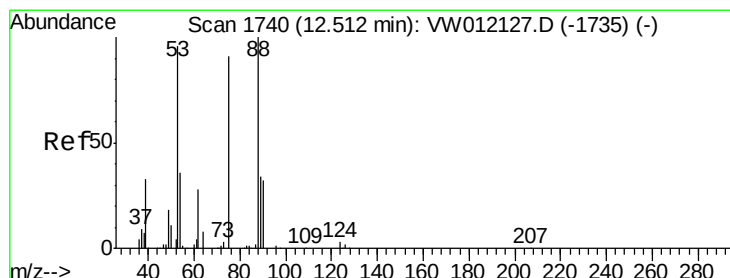
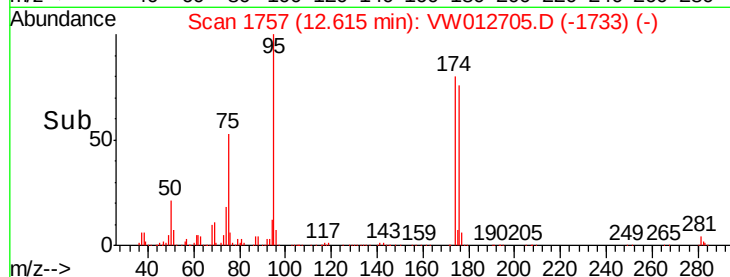
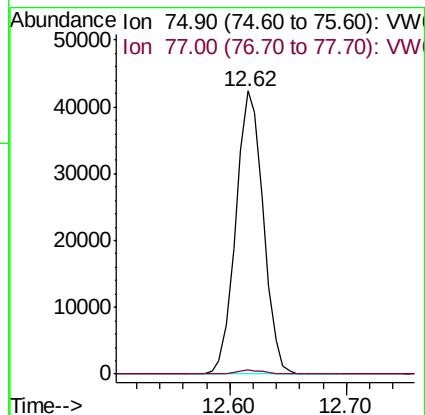
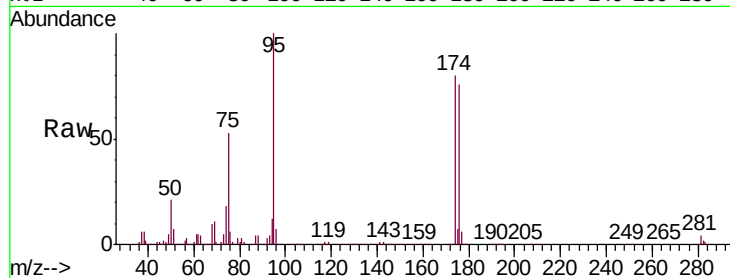
T12-D3-(3.5)

Tgt Ion: 75 Resp: 69732

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.681 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012705.D

Acq: 06 Sep 2019 22:06

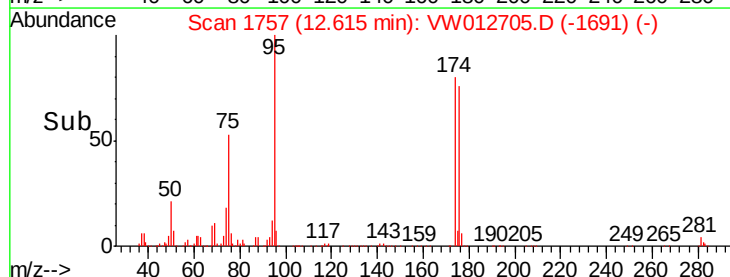
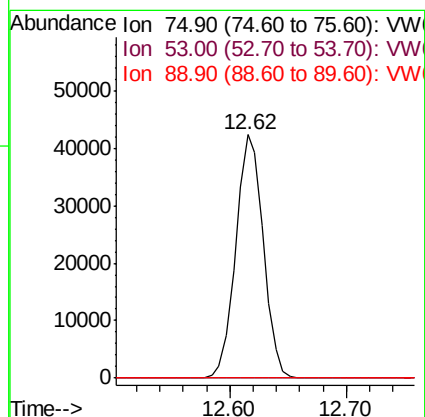
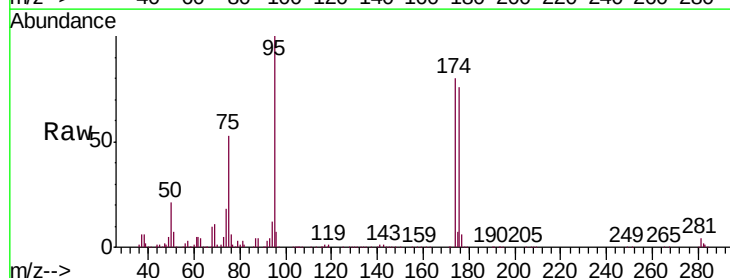
Tgt Ion: 75 Resp: 69732

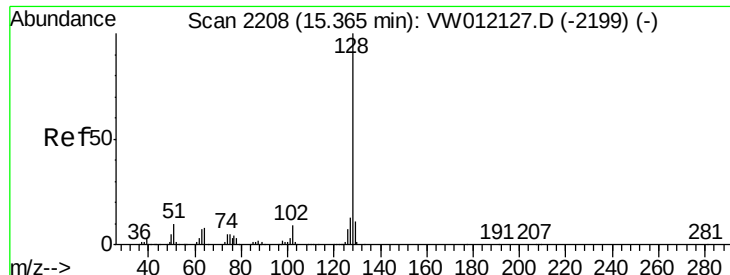
Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

89 0.1 34.5 51.7#

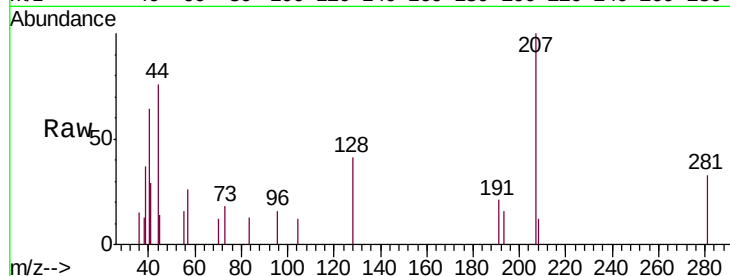




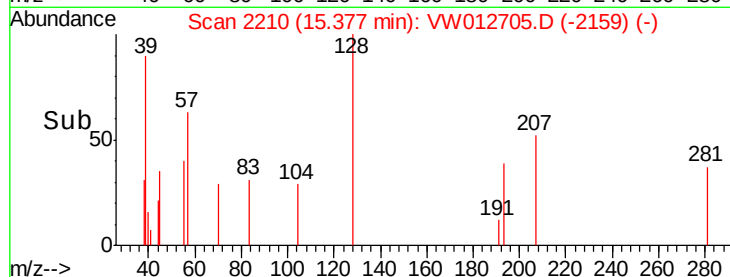
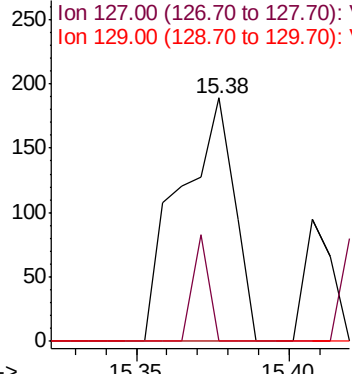
#95
Naphthalene
Concen: 4.369 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW012705.D
Acq: 06 Sep 2019 22:06

Instrument :
MSVOA_W
ClientSampleId :
T12-D3-(3.5)

Tgt Ion:128 Resp: 234
Ion Ratio Lower Upper
128 100
127 12.8 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



Time-->