

Data File : VW012696.D
Acq On : 06 Sep 2019 17:16
Operator : SY/VA
Sample : K4580-19
Misc : 3.20G/5ML/MSVOA_W/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T12-A1-(3.5)

Quant Time: Sep 07 04:41:18 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	240289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	391597	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	335838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	124591	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	141588	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
35) Dibromofluoromethane	7.88	113	107140	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	
50) Toluene-d8	10.32	98	489615	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
62) 4-Bromofluorobenzene	12.62	95	147410	44.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.24%	

Target Compounds

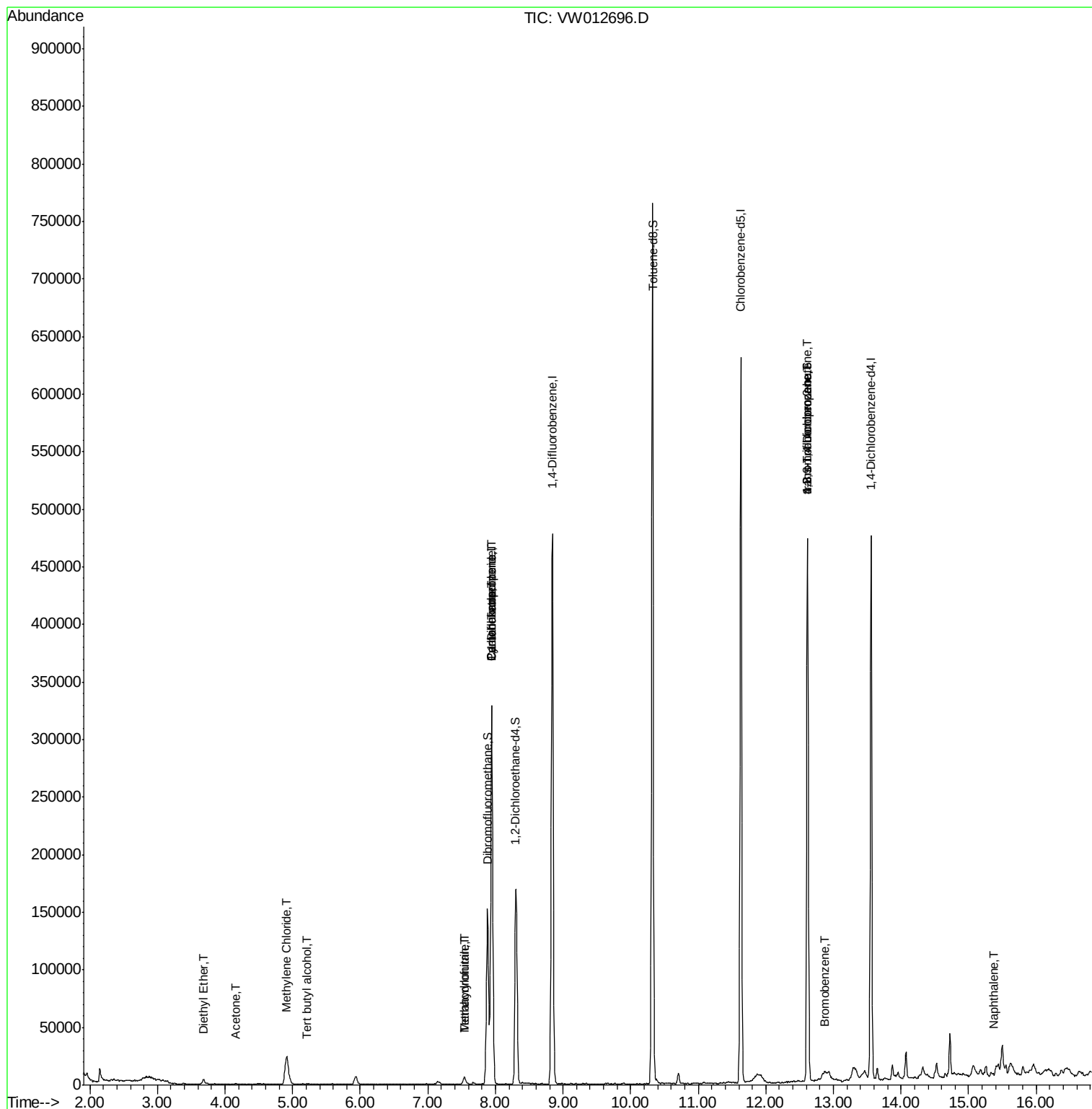
						Qvalue
8) Diethyl Ether	3.68	74	2168	1.621	ug/l	99
11) Tert butyl alcohol	5.21	59	410	2.385	ug/l #	88
16) Acetone	4.15	43	958	1.312	ug/l #	85
20) Methylene Chloride	4.91	84	19917	7.215	ug/l	94
29) Tetrahydrofuran	7.54	42	5865	9.852	ug/l	97
31) Cyclohexane	7.94	56	5649	1.098	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19712	4.871	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23762	6.784	ug/l #	16
41) Methacrylonitrile	7.54	41	3497	2.683	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	78808	64.947	ug/l #	100
77) Bromobenzene	12.86	156	4758	2.356	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	78808	142.398	ug/l #	6
95) Naphthalene	15.36	128	885	4.493	ug/l #	72

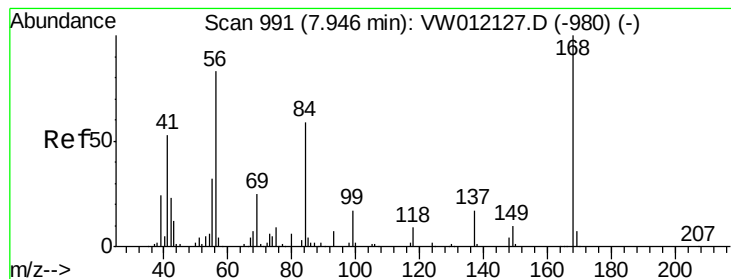
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012696.D

Acq: 06 Sep 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

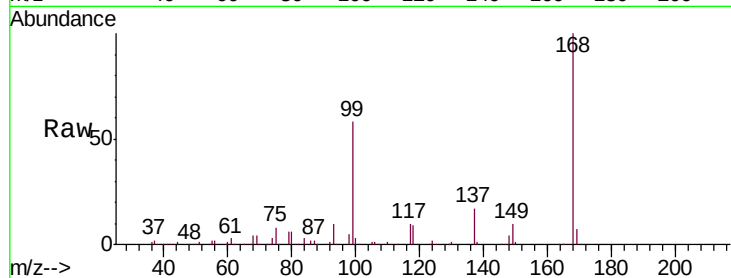
T12-A1-(3.5)

Tgt Ion:168 Resp: 240289

Ion Ratio Lower Upper

168 100

99 57.7 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

120000

100000

80000

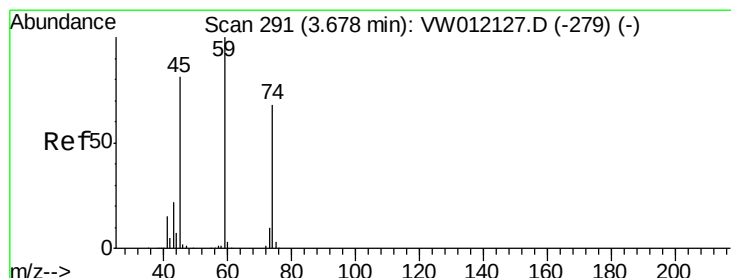
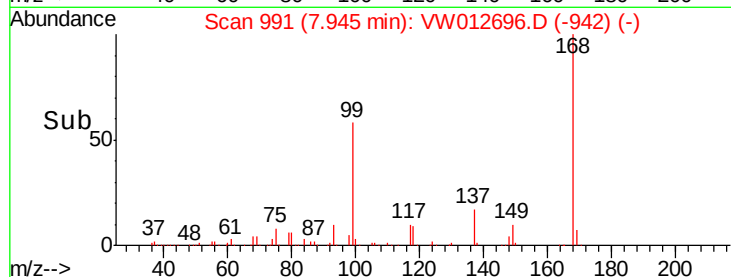
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.621 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012696.D

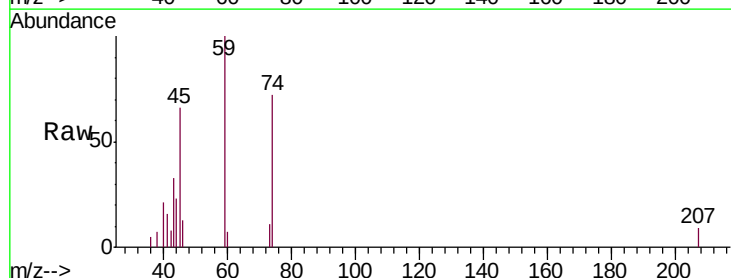
Acq: 06 Sep 2019 17:16

Tgt Ion: 74 Resp: 2168

Ion Ratio Lower Upper

74 100

45 119.4 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

1200

1000

800

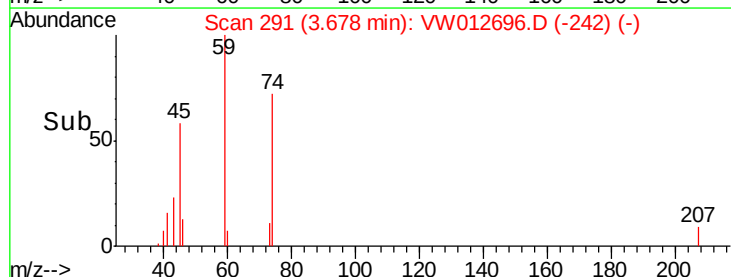
600

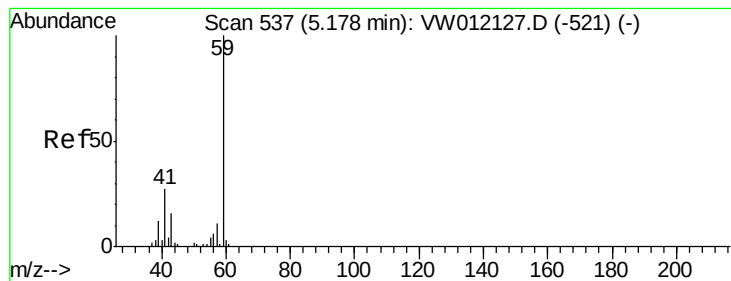
400

200

0

Time--> 3.60 3.65 3.70 3.75



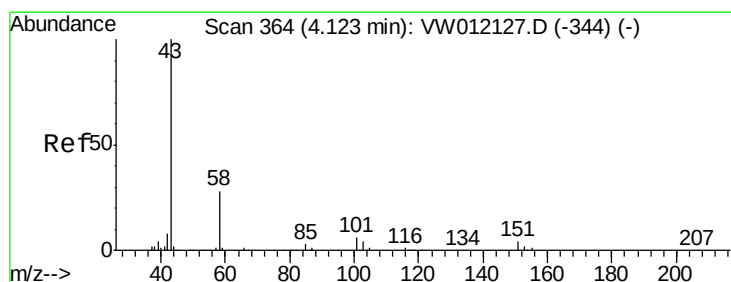
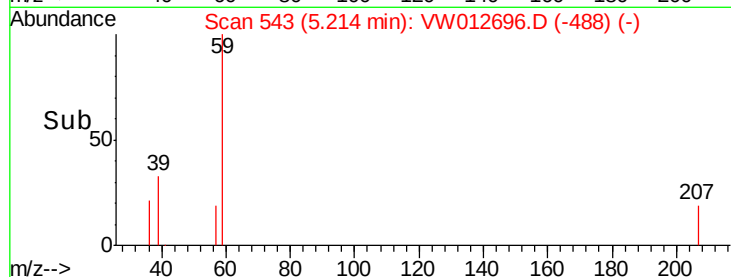
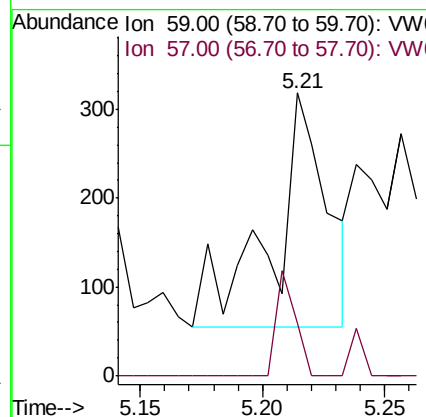
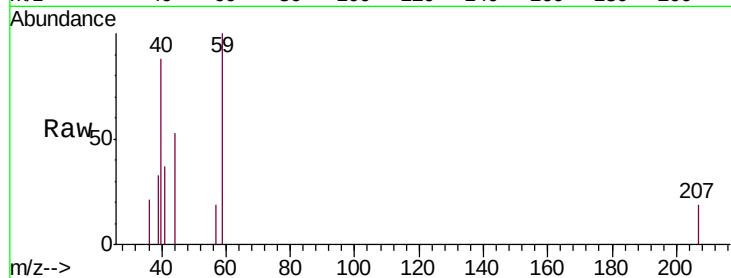


#11

Tert butyl alcohol
Concen: 2.385 ug/l
RT: 5.21 min Scan# 543
Delta R.T. 0.04 min
Lab File: VW012696.D
Acq: 06 Sep 2019 17:16

Instrument :
MSVOA_W
ClientSampled :
T12-A1-(3.5)

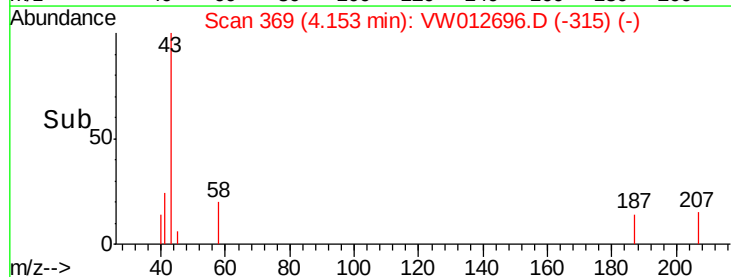
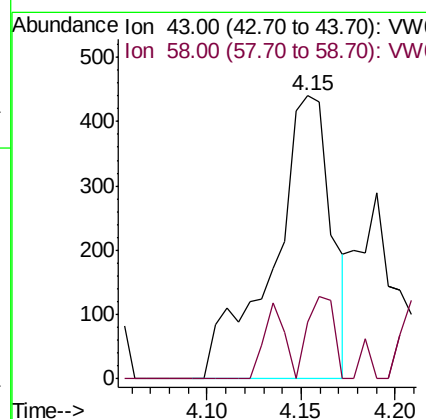
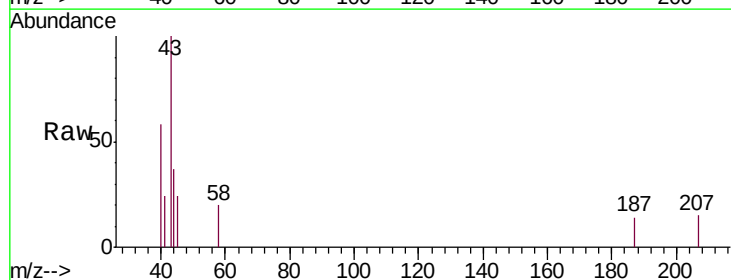
Tgt Ion: 59 Resp: 410
Ion Ratio Lower Upper
59 100
57 15.9 9.0 13.4#

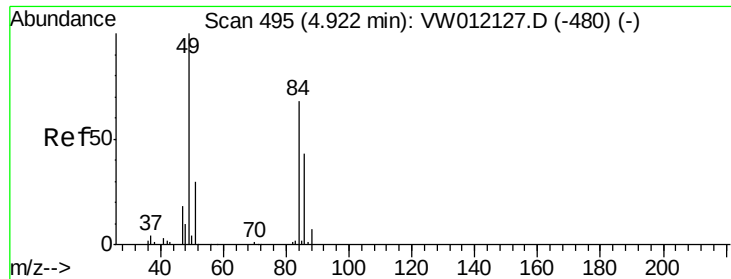


#16

Acetone
Concen: 1.312 ug/l
RT: 4.15 min Scan# 369
Delta R.T. 0.03 min
Lab File: VW012696.D
Acq: 06 Sep 2019 17:16

Tgt Ion: 43 Resp: 958
Ion Ratio Lower Upper
43 100
58 20.0 22.4 33.6#

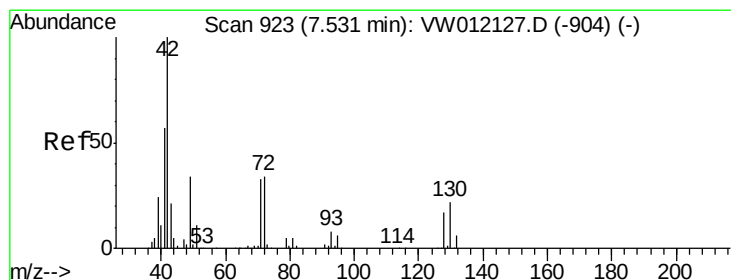
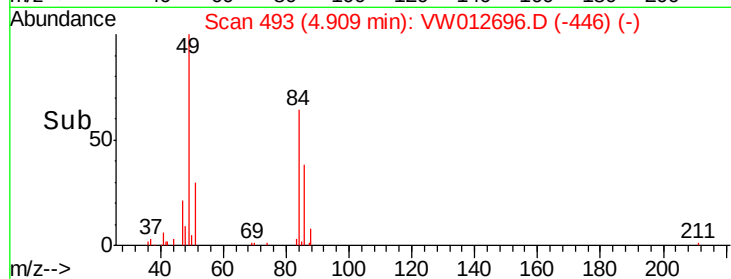
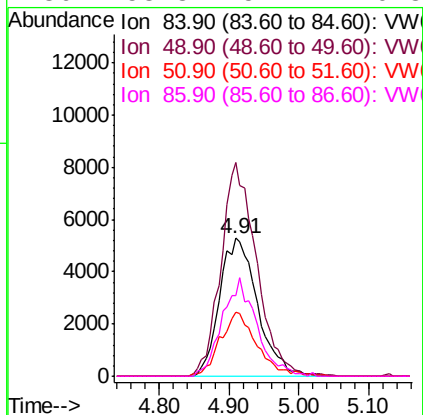
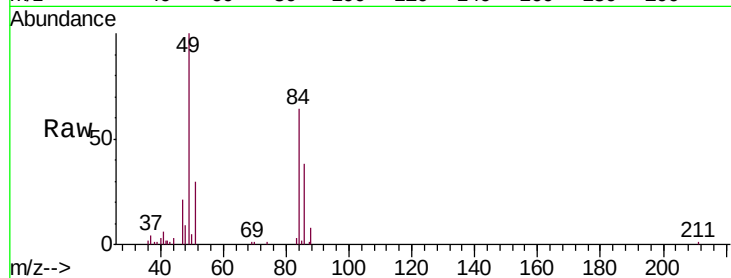




#20
Methylene Chloride
Concen: 7.215 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012696.D
Acq: 06 Sep 2019 17:16

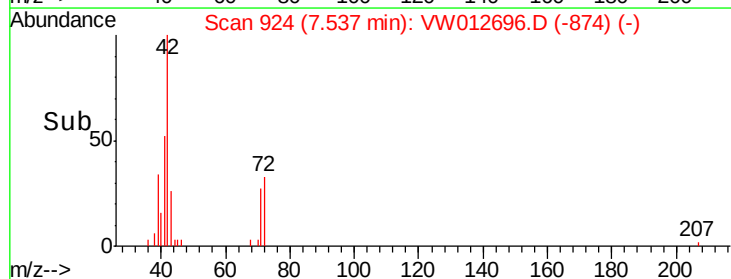
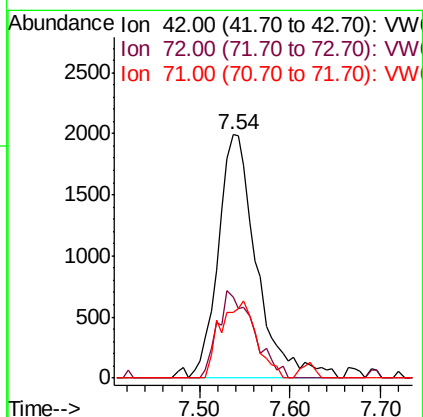
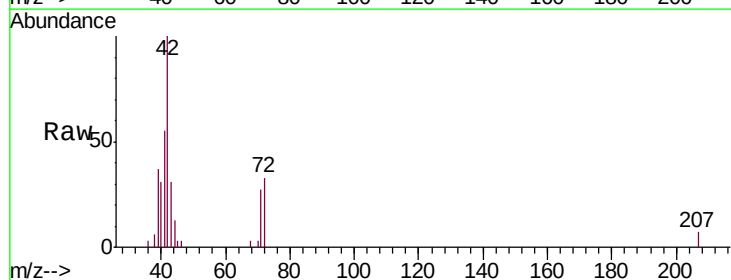
Instrument :
MSVOA_W
ClientSampleId :
T12-A1-(3.5)

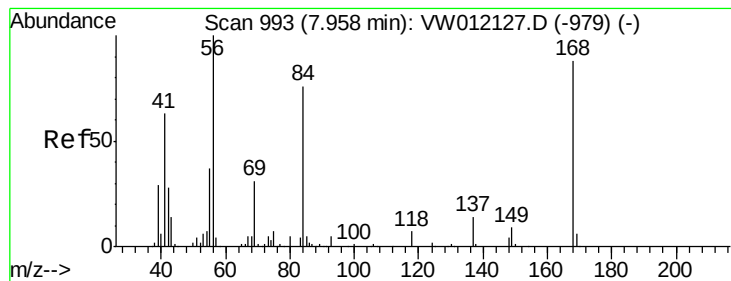
Tgt Ion:	84	Resp:	19917
Ion	Ratio	Lower	Upper
84	100		
49	155.1	117.8	176.8
51	46.1	35.6	53.4
86	58.8	51.2	76.8



#29
Tetrahydrofuran
Concen: 9.852 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012696.D
Acq: 06 Sep 2019 17:16

Tgt Ion:	42	Resp:	5865
Ion	Ratio	Lower	Upper
42	100		
72	33.4	27.3	40.9
71	29.7	25.5	38.3





#31

Cyclohexane

Concen: 1.098 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012696.D

Acq: 06 Sep 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

T12-A1-(3.5)

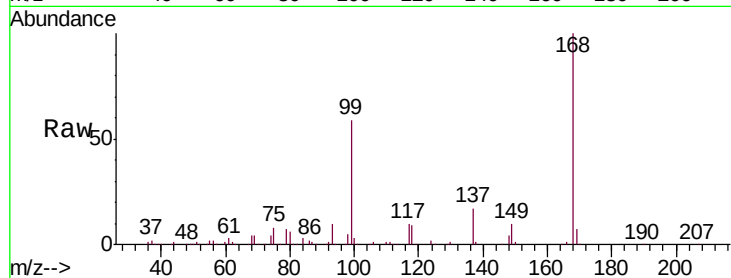
Tgt Ion: 56 Resp: 5649

Ion Ratio Lower Upper

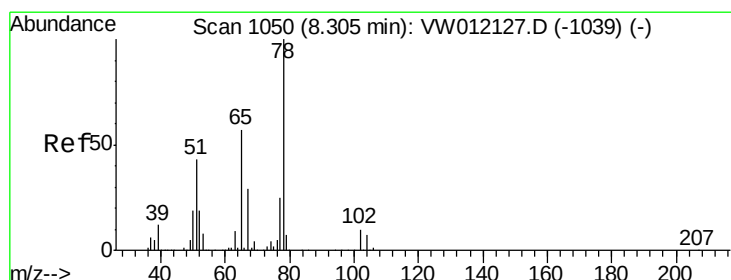
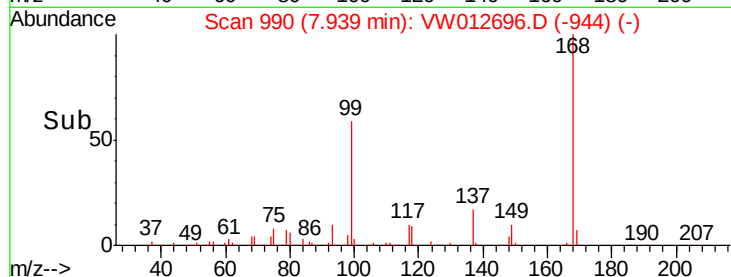
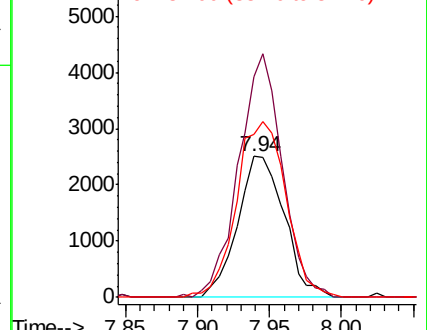
56 100

69 156.9 24.9 37.3#

84 115.8 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: 49.568 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012696.D

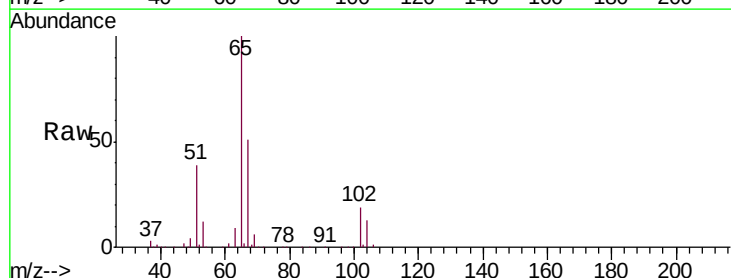
Acq: 06 Sep 2019 17:16

Tgt Ion: 65 Resp: 141588

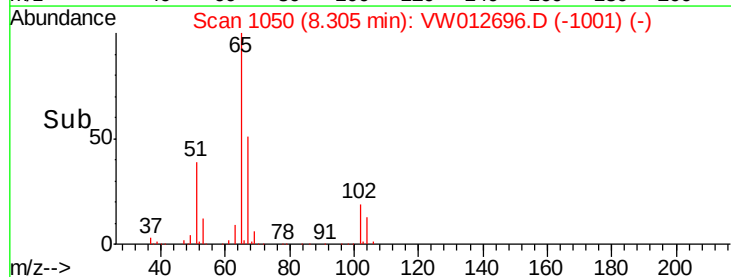
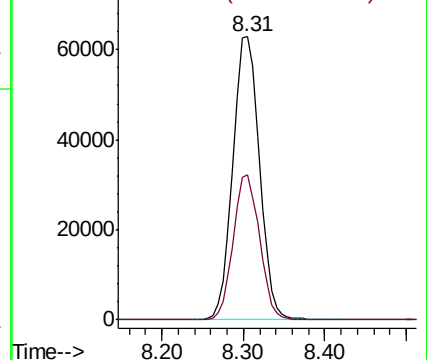
Ion Ratio Lower Upper

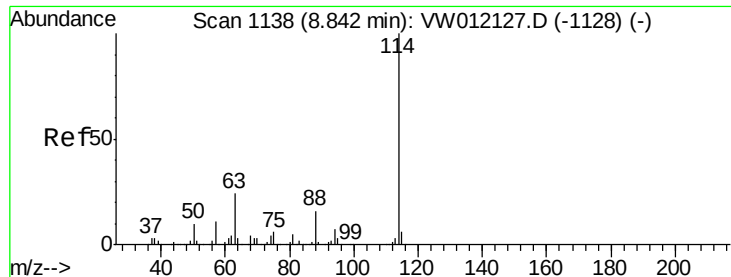
65 100

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: VW012696.D

Acq: 06 Sep 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

T12-A1-(3.5)

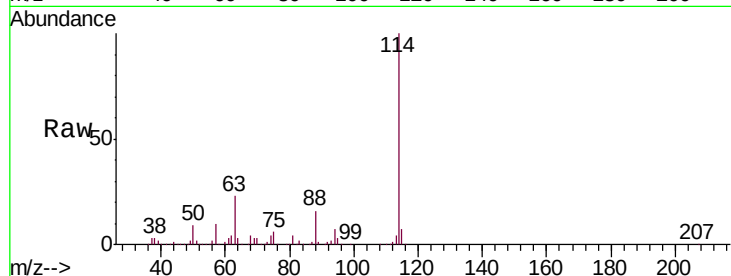
Tgt Ion:114 Resp: 391597

Ion Ratio Lower Upper

114 100

63 23.0 0.0 48.6

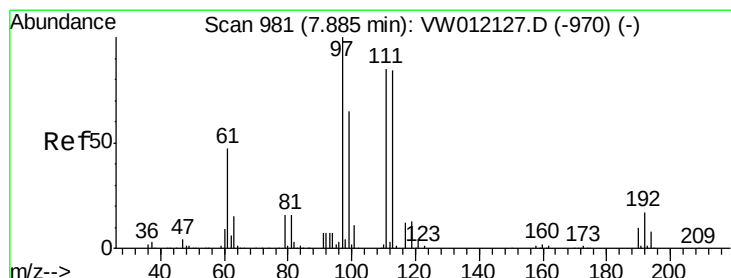
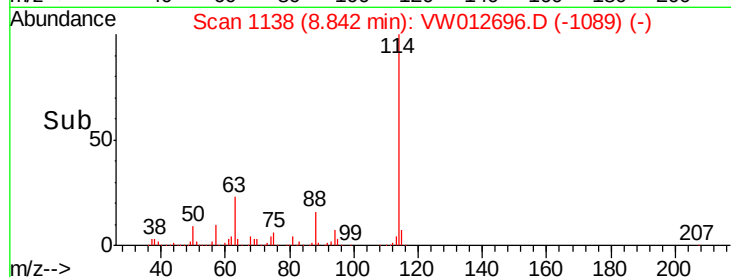
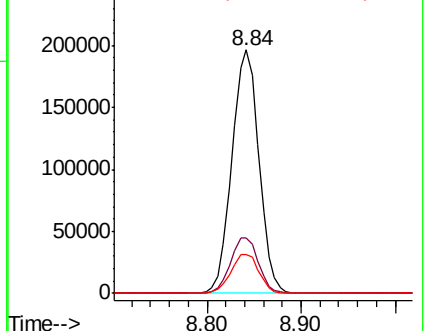
88 16.1 0.0 32.2



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: 45.836 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012696.D

Acq: 06 Sep 2019 17:16

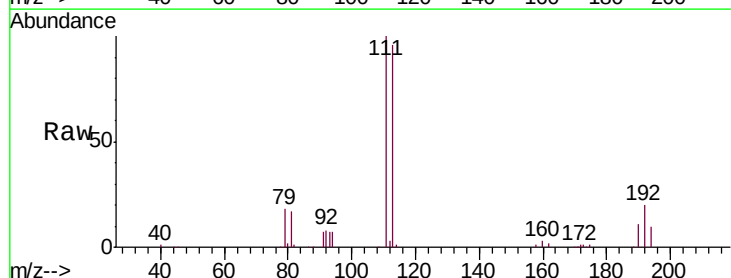
Tgt Ion:113 Resp: 107140

Ion Ratio Lower Upper

113 100

111 103.5 82.7 124.1

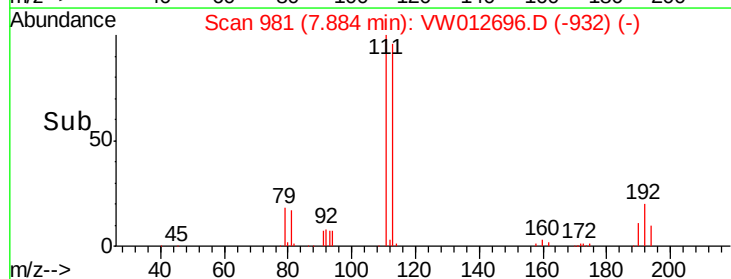
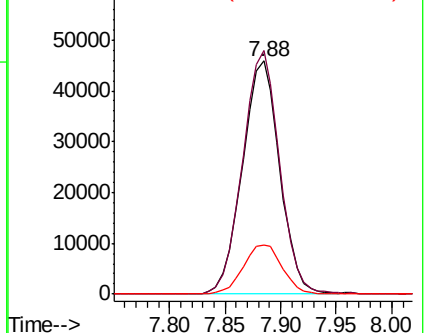
192 21.9 16.2 24.2

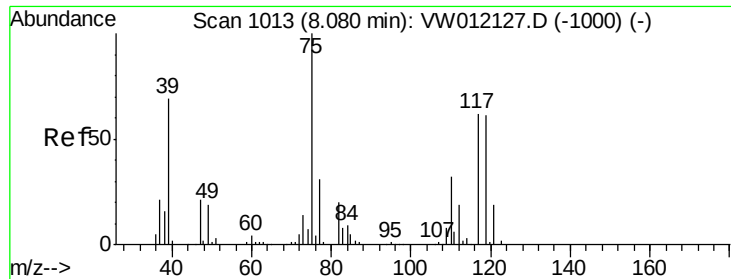


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

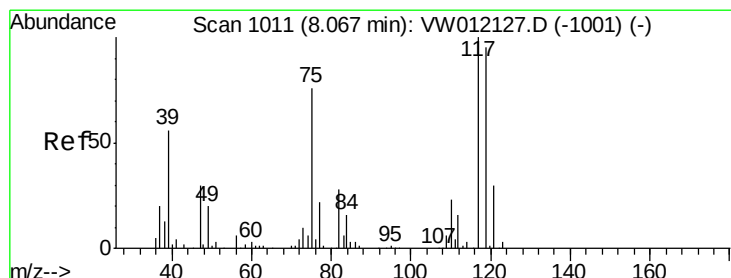
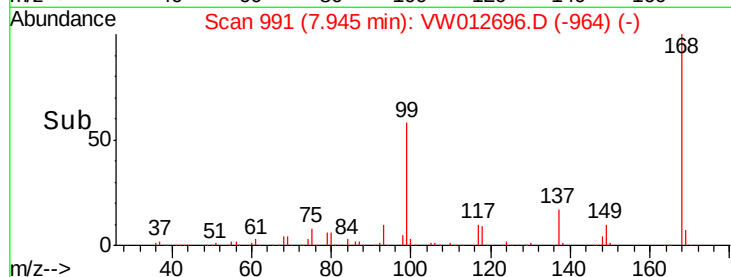
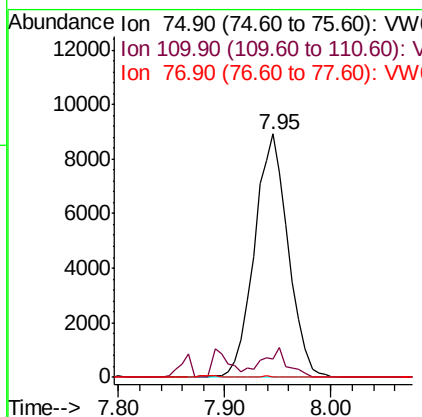
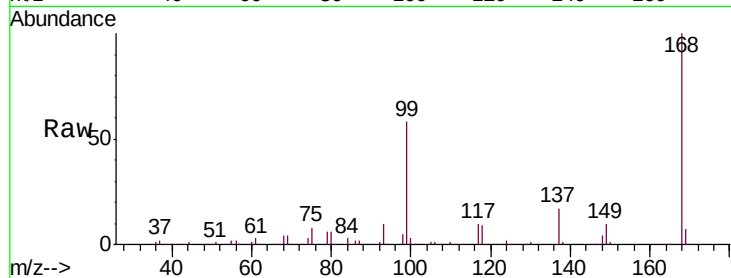




#36
 1,1-Dichloropropene
 Concen: 4.871 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012696.D
 Acq: 06 Sep 2019 17:16

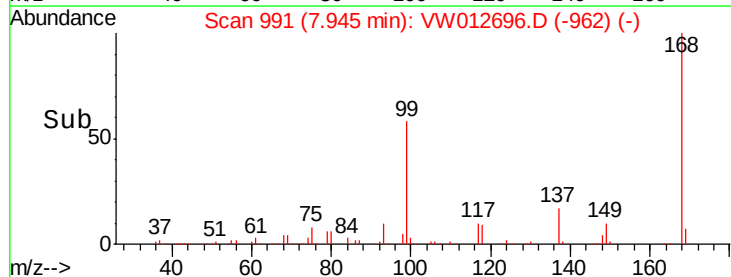
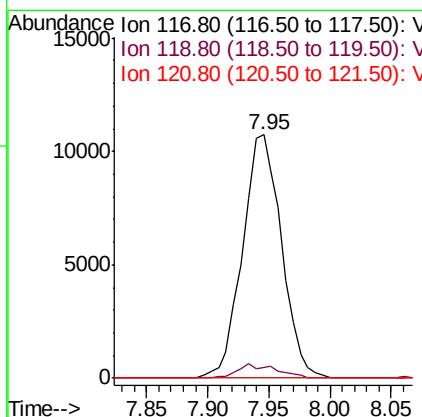
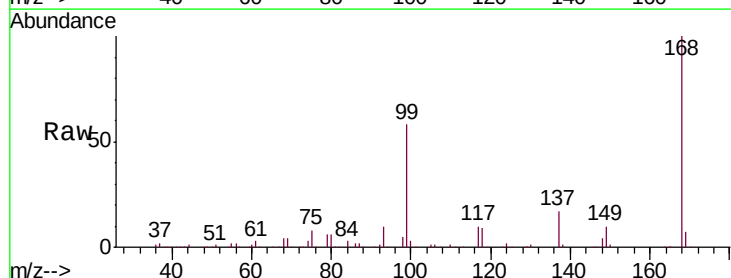
Instrument :
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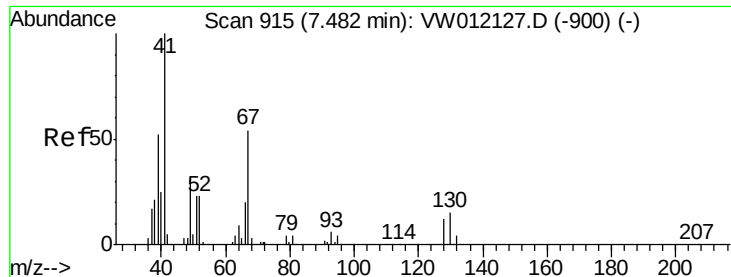
Tgt Ion: 75 Resp: 19712
 Ion Ratio Lower Upper
 75 100
 110 9.0 15.6 46.8#
 77 0.1 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.784 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012696.D
 Acq: 06 Sep 2019 17:16

Tgt Ion: 117 Resp: 23762
 Ion Ratio Lower Upper
 117 100
 119 4.3 76.2 114.2#
 121 0.0 23.8 35.8#

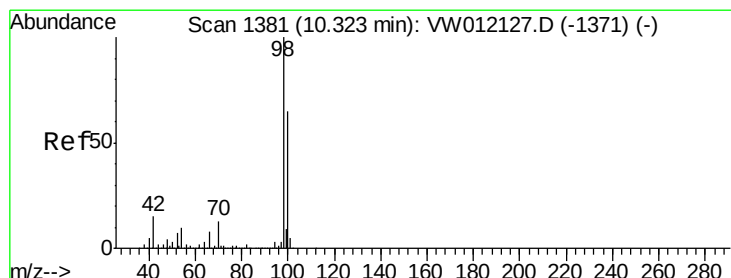
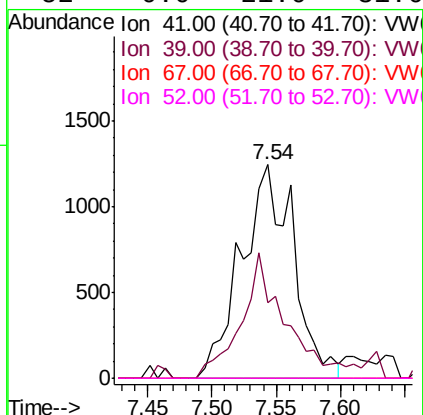
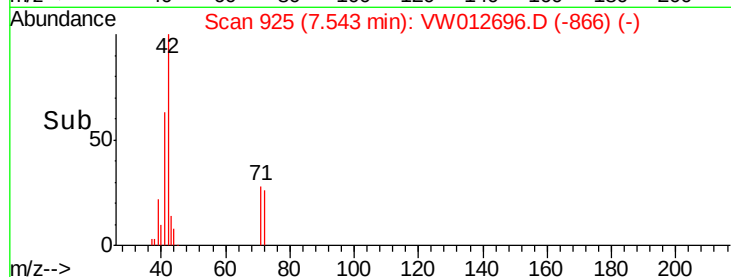
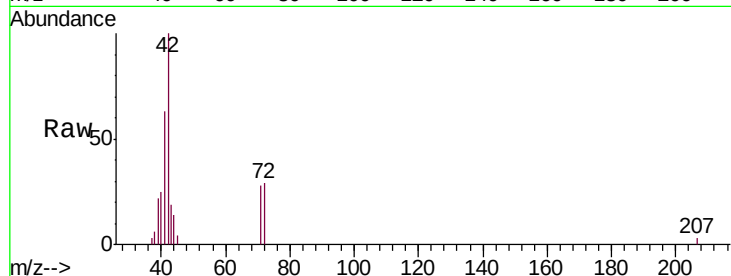




#41
Methacrylonitrile
Concen: 2.683 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW012696.D
Acq: 06 Sep 2019 17:16

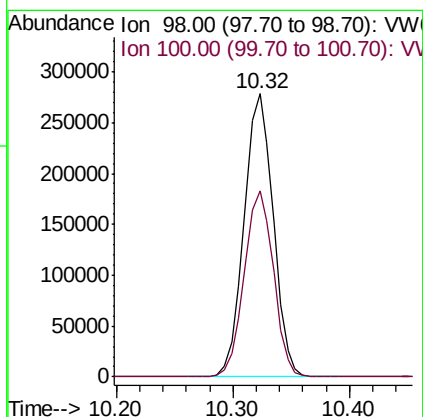
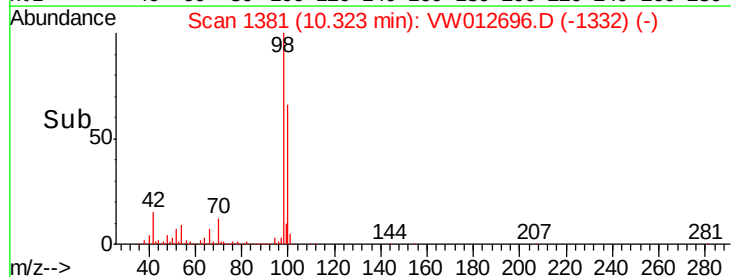
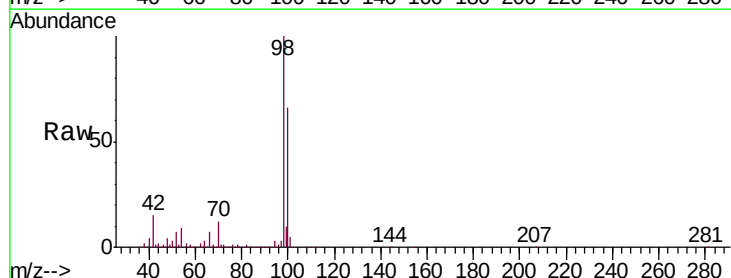
Instrument :
MSVOA_W
ClientSampleId :
T12-A1-(3.5)

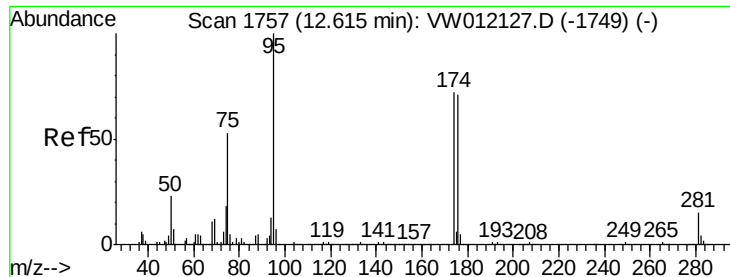
Tgt Ion:	41	Resp:	3497
Ion	Ratio	Lower	Upper
41	100		
39	49.4	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#



#50
Toluene-d8
Concen: 51.660 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012696.D
Acq: 06 Sep 2019 17:16

Tgt Ion:	98	Resp:	489615
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.4	78.6

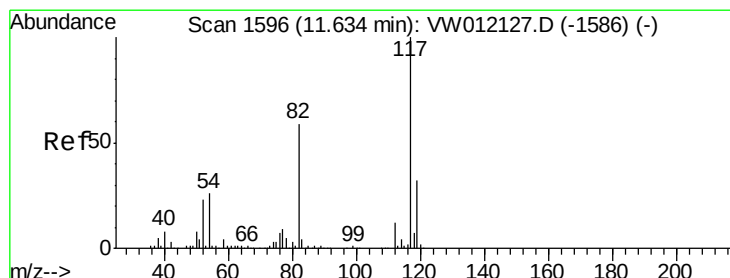
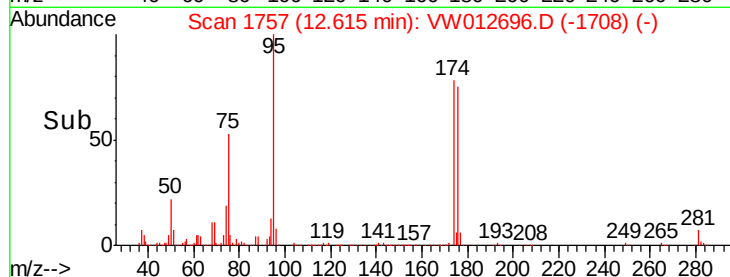
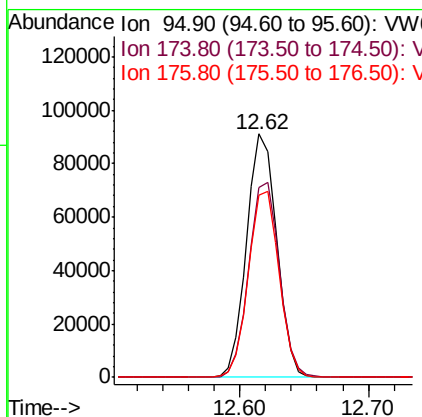
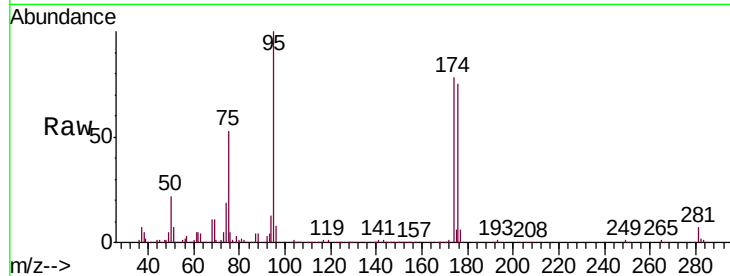




#62
4-Bromofluorobenzene
Concen: 44.123 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012696.D
Acq: 06 Sep 2019 17:16

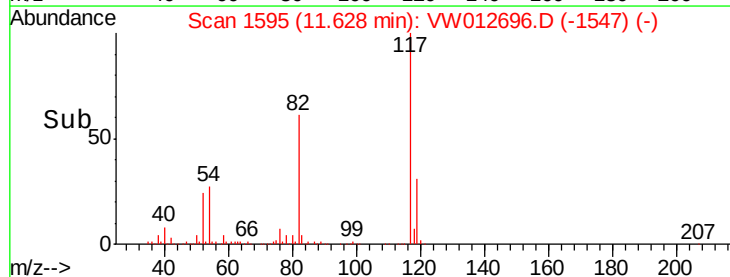
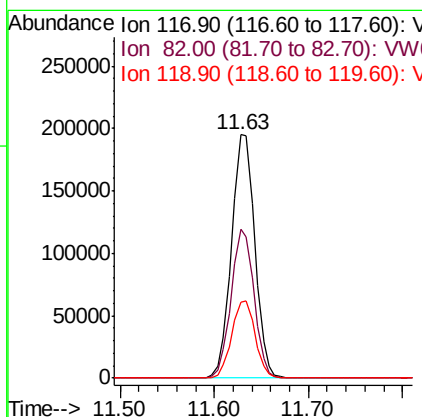
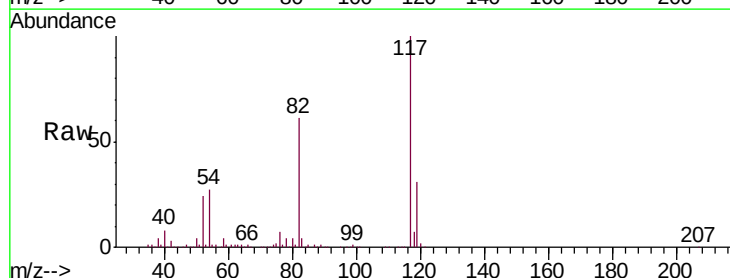
Instrument :
MSVOA_W
ClientSampleId :
T12-A1-(3.5)

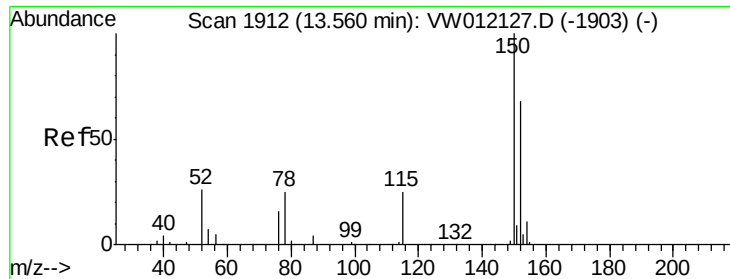
Tgt Ion: 95 Resp: 147410
Ion Ratio Lower Upper
95 100
174 81.3 0.0 150.8
176 77.5 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012696.D
Acq: 06 Sep 2019 17:16

Tgt Ion: 117 Resp: 335838
Ion Ratio Lower Upper
117 100
82 61.4 47.4 71.2
119 31.3 25.4 38.2

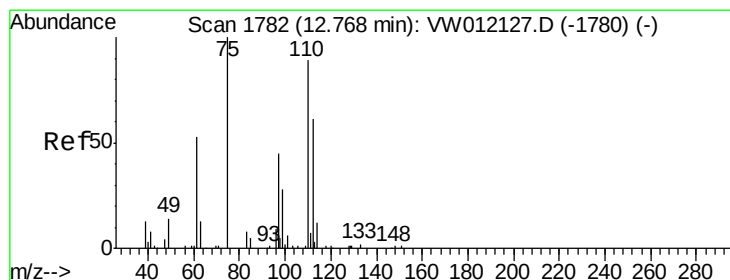
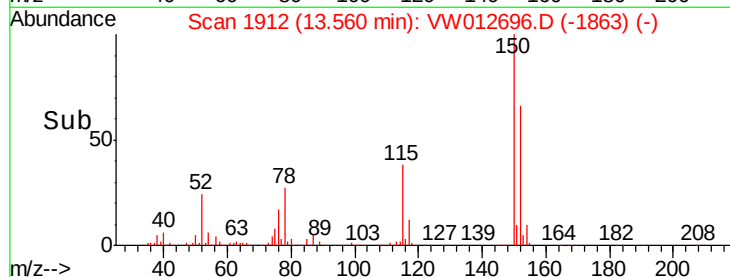
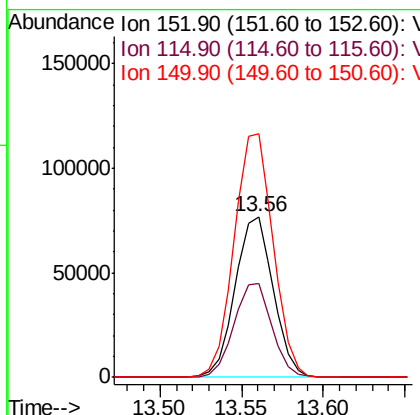
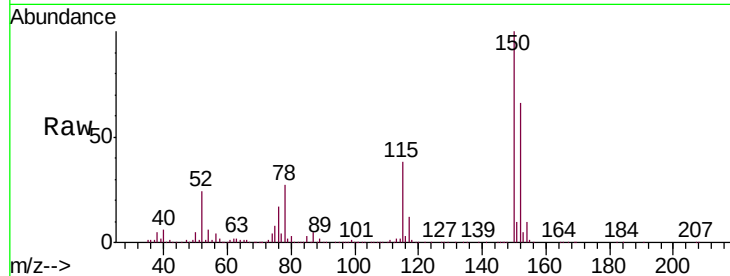




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW012696.D
 Acq: 06 Sep 2019 17:16

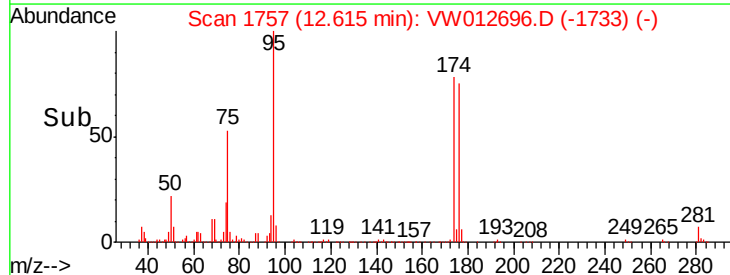
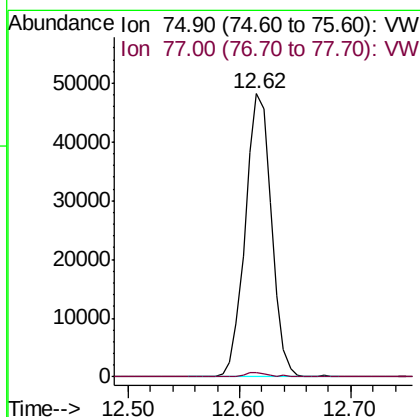
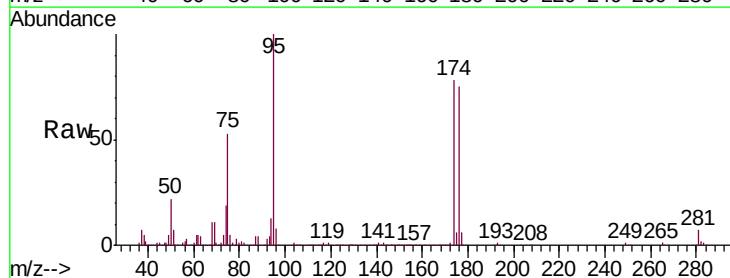
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-A1-(3.5)

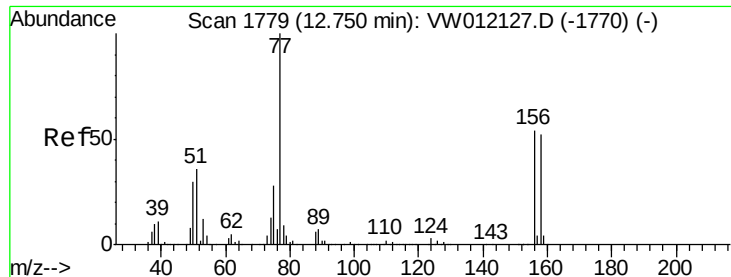
Tgt Ion: 152 Resp: 124591
 Ion Ratio Lower Upper
 152 100
 115 58.6 30.1 90.3
 150 156.0 0.0 345.8



#76
 1,2,3-Trichloropropane
 Concen: 64.947 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012696.D
 Acq: 06 Sep 2019 17:16

Tgt Ion: 75 Resp: 78808
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#





#77

Bromobenzene

Concen: 2.356 ug/l

RT: 12.86 min Scan# 1797

Delta R.T. 0.11 min

Lab File: VW012696.D

Acq: 06 Sep 2019 17:16

Instrument :

MSVOA_W

ClientSampled :

T12-A1-(3.5)

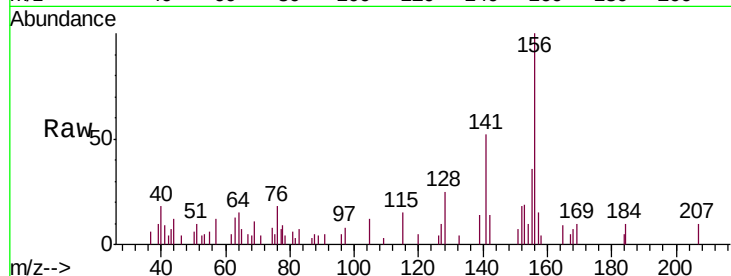
Tgt Ion:156 Resp: 4758

Ion Ratio Lower Upper

156 100

77 12.1 107.3 321.8#

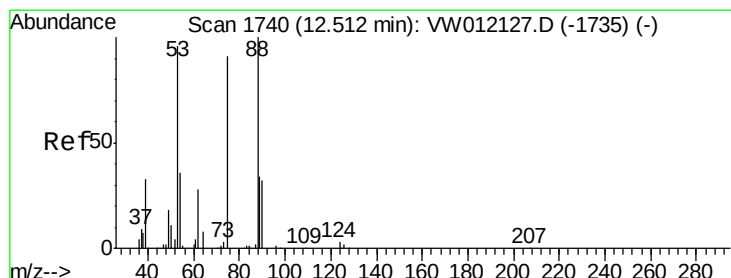
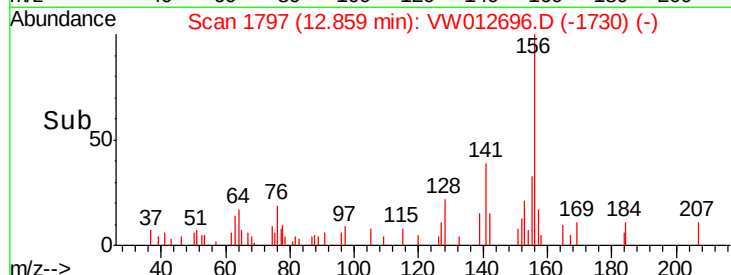
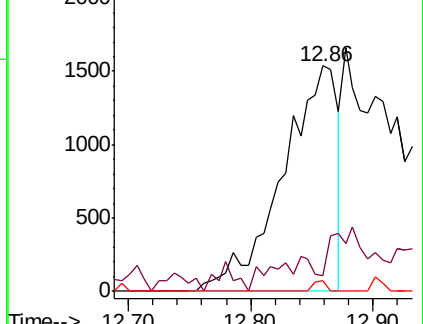
158 1.0 49.0 147.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 142.398 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012696.D

Acq: 06 Sep 2019 17:16

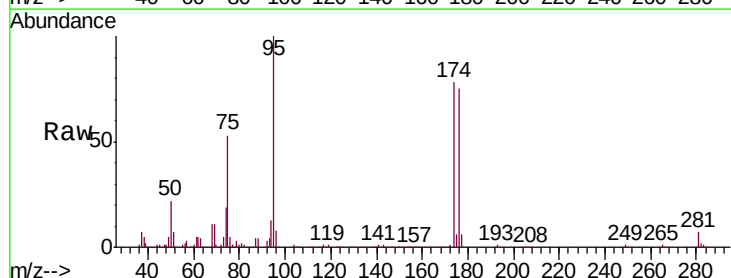
Tgt Ion: 75 Resp: 78808

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

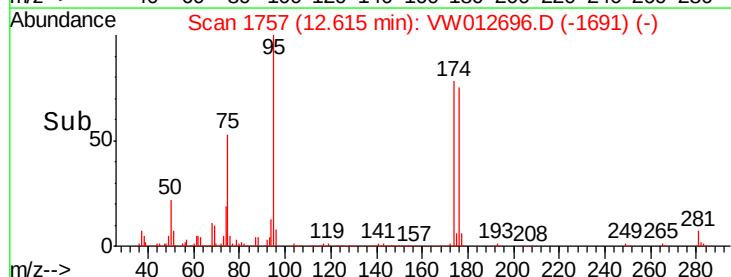
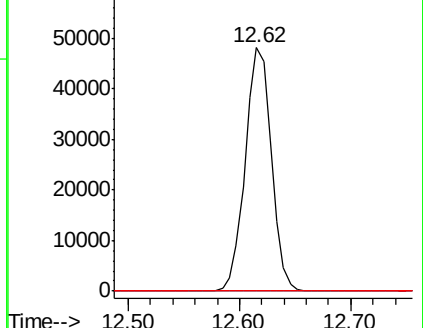
89 0.1 34.5 51.7#

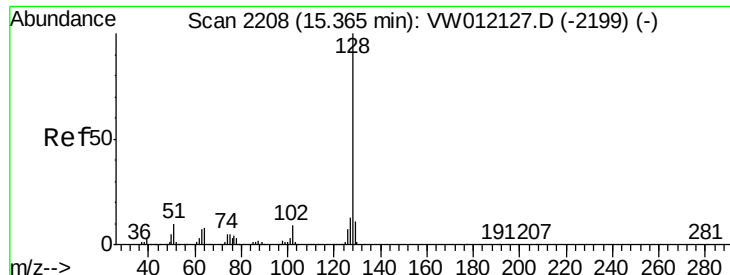


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 4.493 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012696.D

Acq: 06 Sep 2019 17:16

Instrument :

MSVOA_W

ClientSampleId :

T12-A1-(3.5)

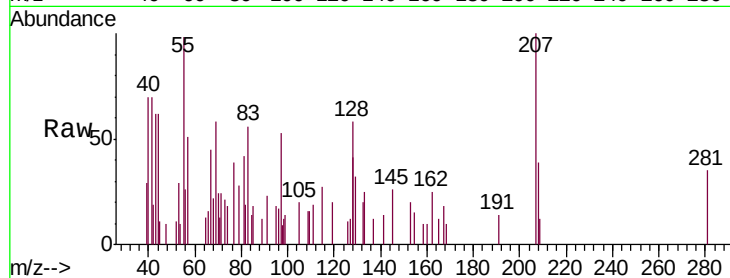
Tgt Ion:128 Resp: 885

Ion Ratio Lower Upper

128 100

127 7.9 10.7 16.1#

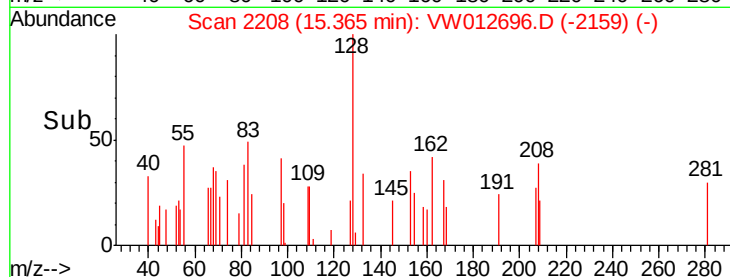
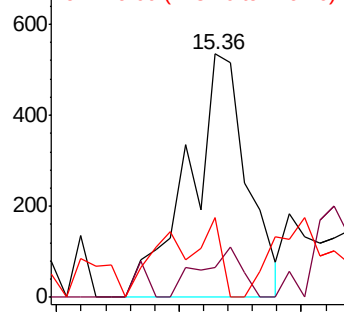
129 28.4 8.7 13.1#



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--> 15.30 15.35 15.40