

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012676.D
 Acq On : 06 Sep 2019 07:22
 Operator : SY/VA
 Sample : K4581-05
 Misc : 2.29G/5ML/MSVOA_W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T12-C3-(0)

Quant Time: Sep 06 08:00:23 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	256079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416605	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	340180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	126822	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	161560	53.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.14%	
35) Dibromofluoromethane	7.88	113	125512	50.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.94%	
50) Toluene-d8	10.32	98	498597	49.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.62	95	151284	42.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	85.12%	

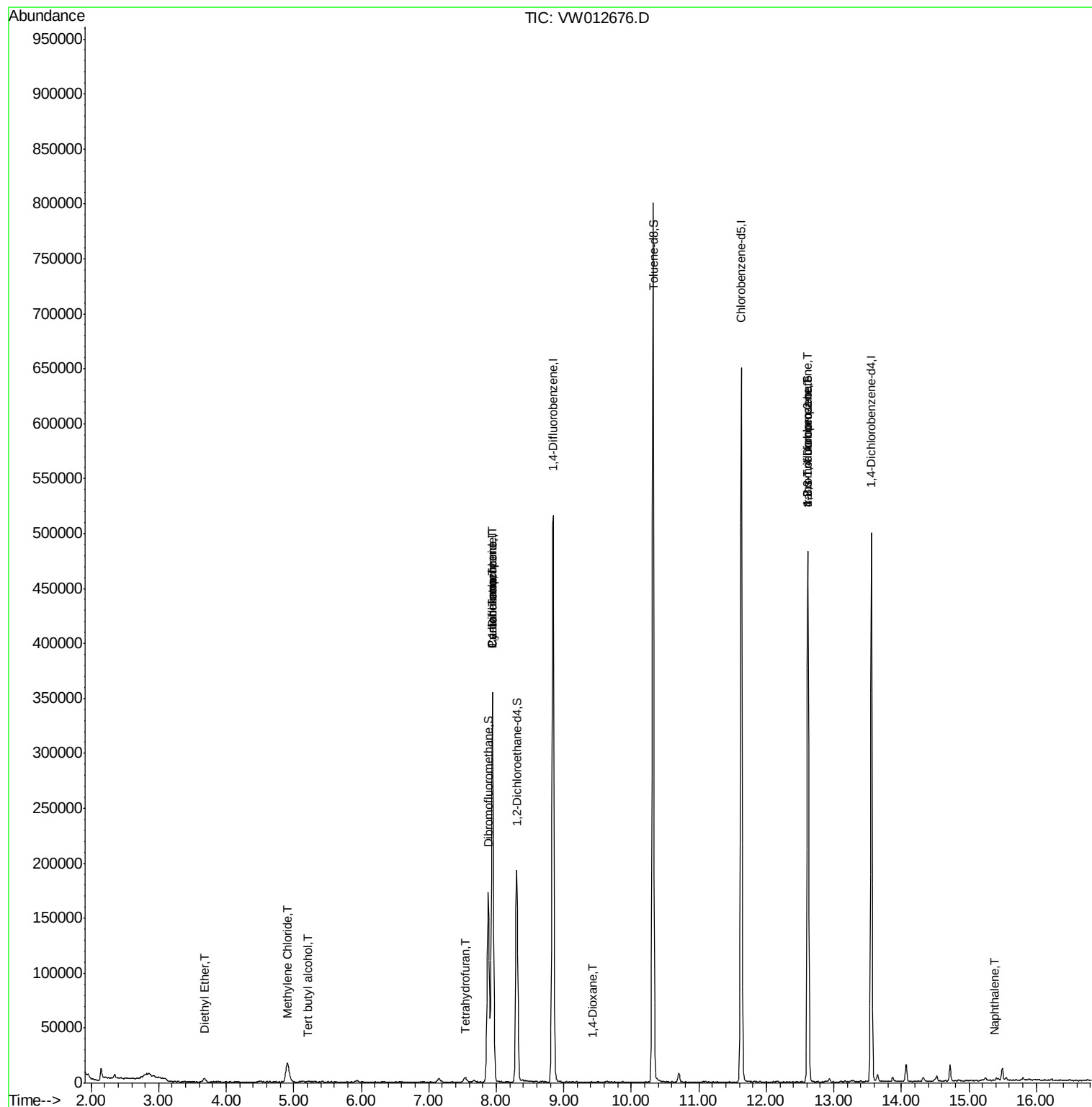
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1698	1.192	ug/l	64
11) Tert butyl alcohol	5.20	59	483	2.637	ug/l	97
20) Methylene Chloride	4.91	84	13655	4.642	ug/l	89
29) Tetrahydrofuran	7.54	42	4057	6.395	ug/l #	80
31) Cyclohexane	7.95	56	5975	1.090	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	20907	4.856	ug/l #	53
38) Carbon Tetrachloride	7.94	117	25582	6.865	ug/l #	17
49) 1,4-Dioxane	9.43	88	40	1.856	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	83343	67.476	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	83343	147.943	ug/l #	6
95) Naphthalene	15.37	128	139	4.348	ug/l #	69

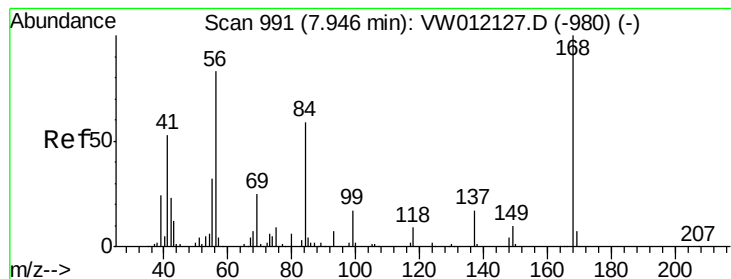
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012676.D

Acq: 06 Sep 2019 07:22

Instrument :

MSVOA_W

ClientSampleId :

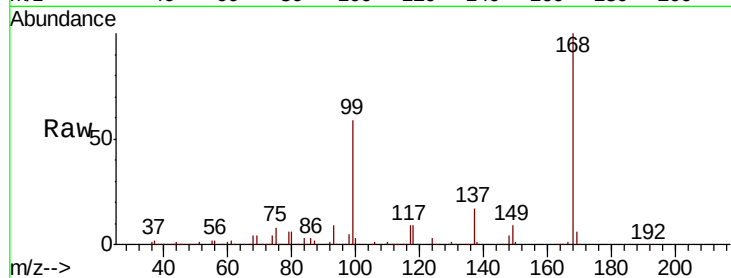
T12-C3-(0)

Tgt Ion:168 Resp: 256079

Ion Ratio Lower Upper

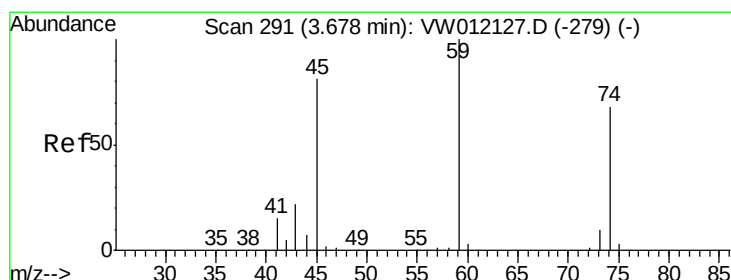
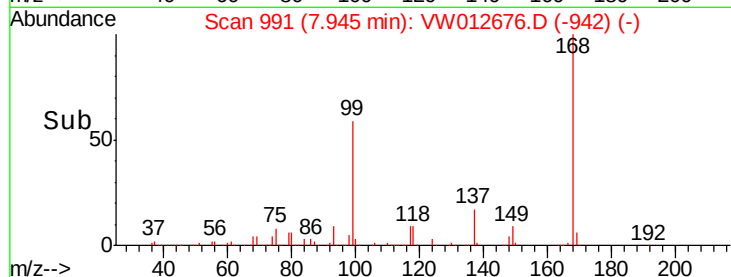
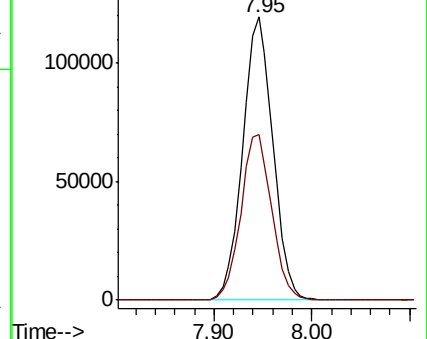
168 100

99 58.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.192 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012676.D

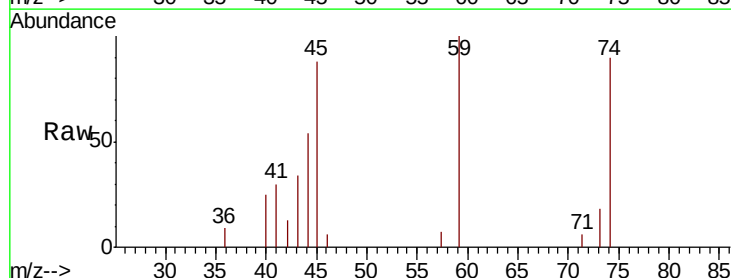
Acq: 06 Sep 2019 07:22

Tgt Ion: 74 Resp: 1698

Ion Ratio Lower Upper

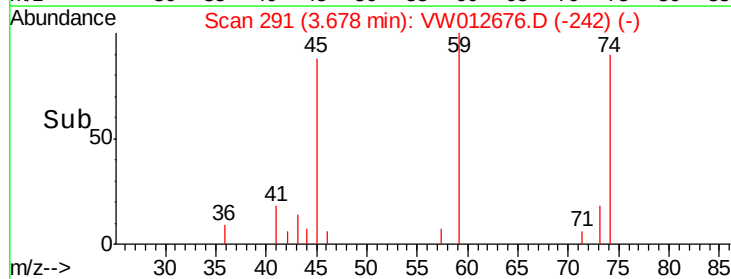
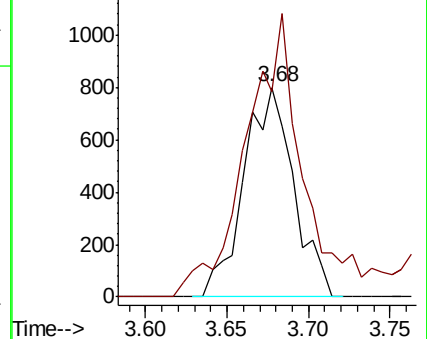
74 100

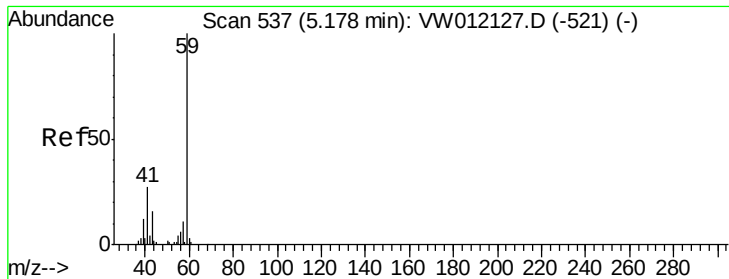
45 158.0 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

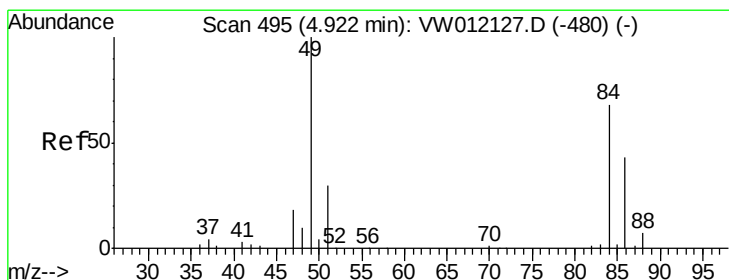
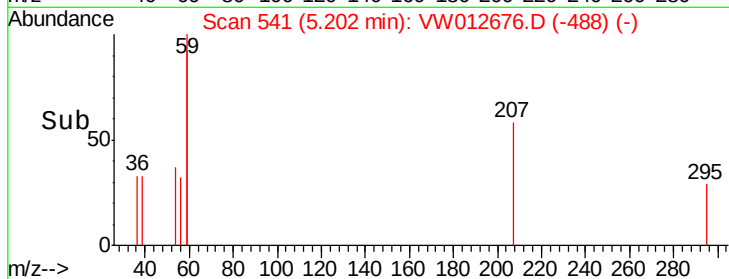
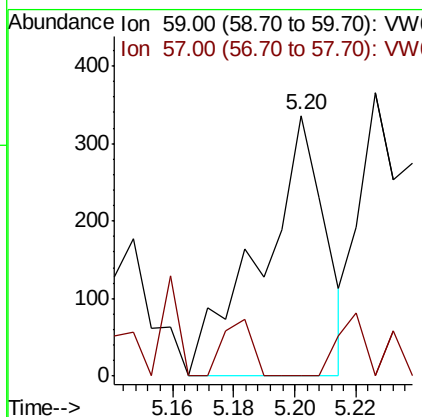
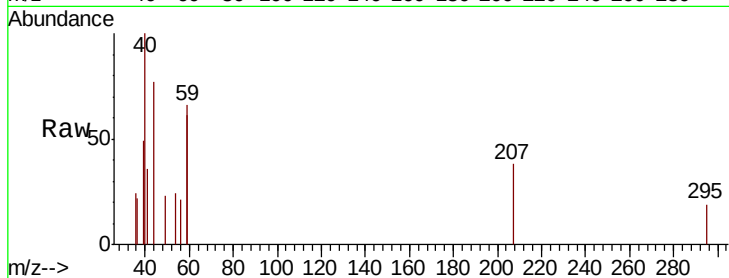




#11
Tert butyl alcohol
Concen: 2.637 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.02 min
Lab File: VW012676.D
Acq: 06 Sep 2019 07:22

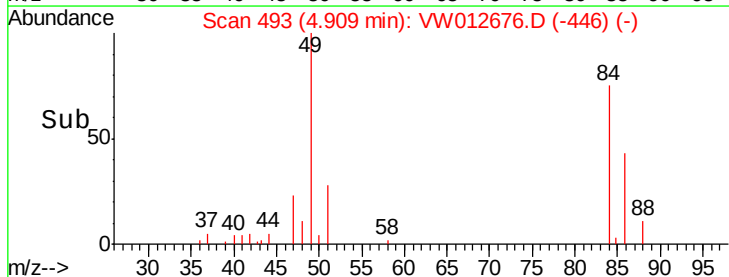
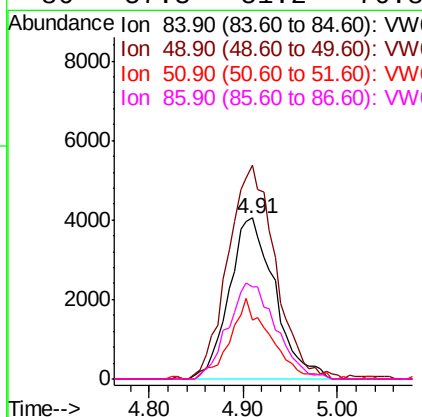
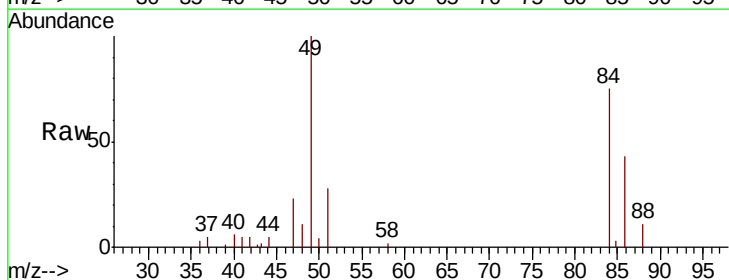
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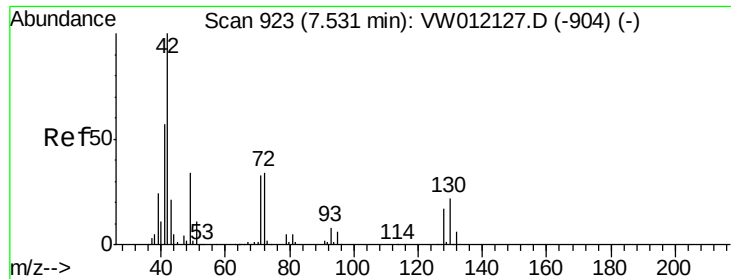
Tgt Ion: 59 Resp: 483
Ion Ratio Lower Upper
59 100
57 10.1 9.0 13.4



#20
Methylene Chloride
Concen: 4.642 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012676.D
Acq: 06 Sep 2019 07:22

Tgt Ion: 84 Resp: 13655
Ion Ratio Lower Upper
84 100
49 132.9 117.8 176.8
51 37.0 35.6 53.4
86 57.3 51.2 76.8

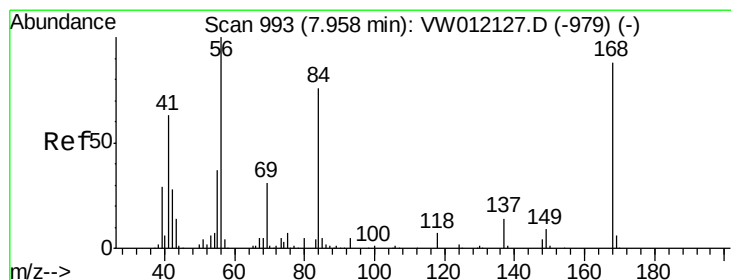
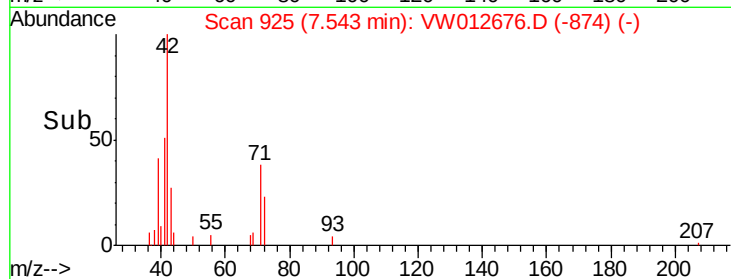
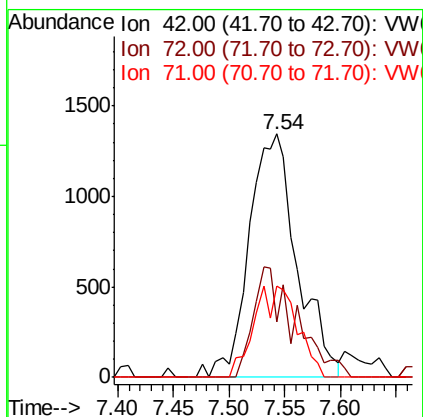
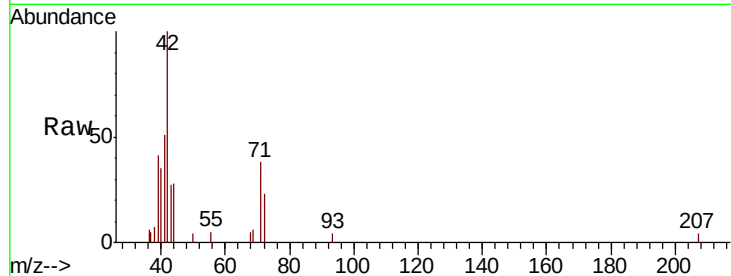




#29
Tetrahydrofuran
Concen: 6.395 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012676.D
Acq: 06 Sep 2019 07:22

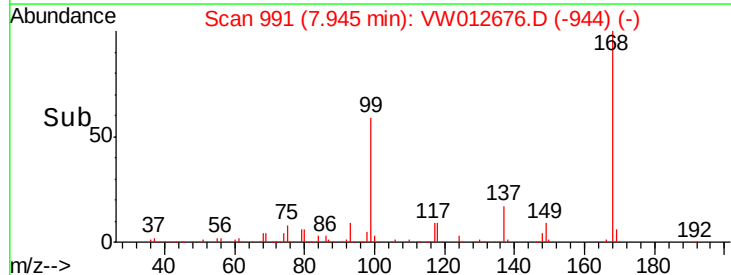
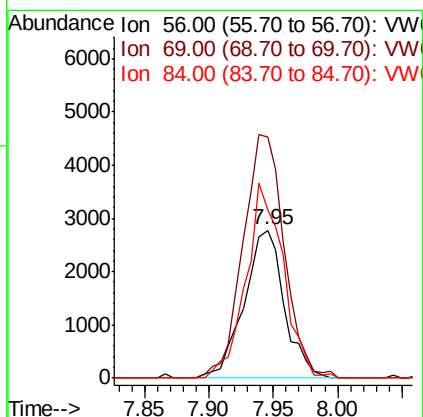
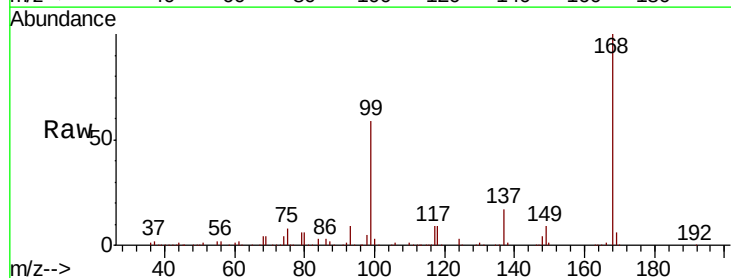
Instrument :
MSVOA_W
ClientSampleId :
T12-C3-(0)

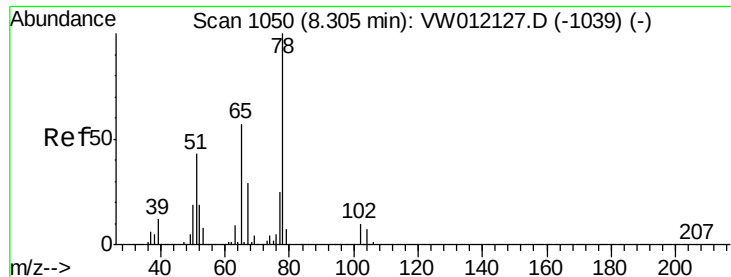
Tgt Ion: 42 Resp: 4057
Ion Ratio Lower Upper
42 100
72 39.1 27.3 40.9
71 14.6 25.5 38.3#



#31
Cyclohexane
Concen: 1.090 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012676.D
Acq: 06 Sep 2019 07:22

Tgt Ion: 56 Resp: 5975
Ion Ratio Lower Upper
56 100
69 162.9 24.9 37.3#
84 113.4 60.6 90.8#

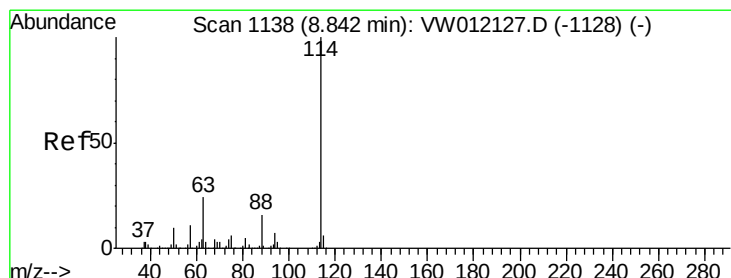
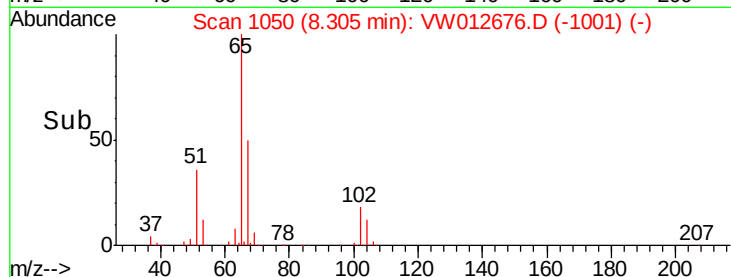
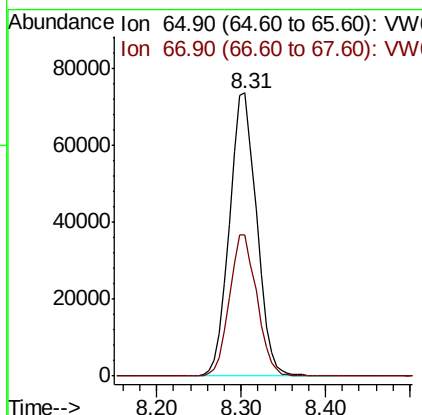
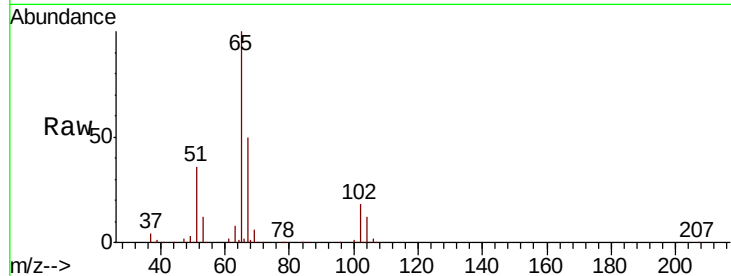




#33
 1,2-Dichloroethane-d4
 Concen: 53.072 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012676.D
 Acq: 06 Sep 2019 07:22

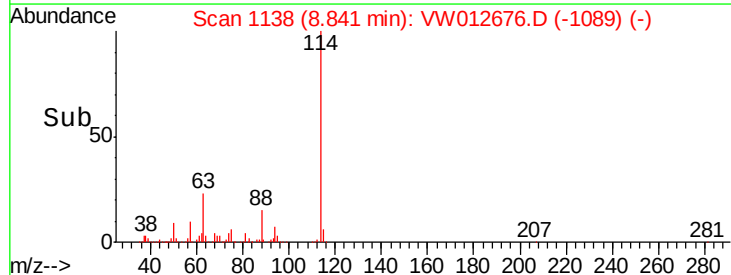
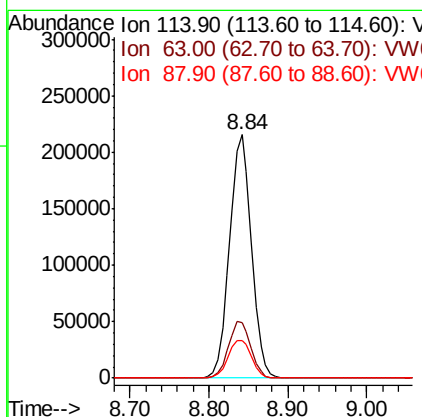
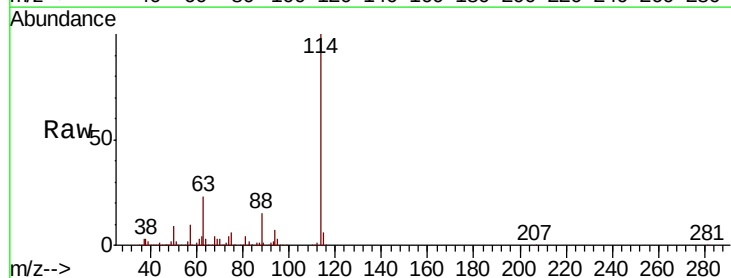
Instrument :
 MSVOA_W
 ClientSampleId :
 T12-C3-(0)

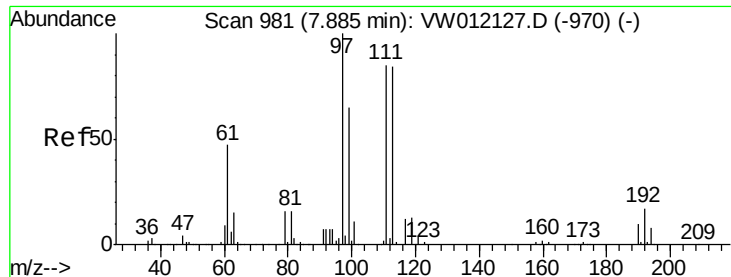
Tgt Ion: 65 Resp: 161560
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012676.D
 Acq: 06 Sep 2019 07:22

Tgt Ion: 114 Resp: 416605
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 48.6
 88 15.5 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.473 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012676.D

Acq: 06 Sep 2019 07:22

Instrument :

MSVOA_W

ClientSampleId :

T12-C3-(0)

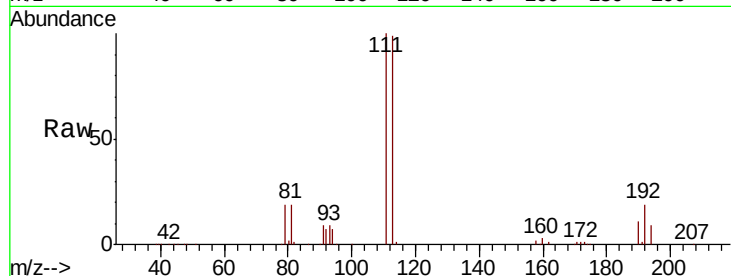
Tgt Ion:113 Resp: 125512

Ion Ratio Lower Upper

113 100

111 101.3 82.7 124.1

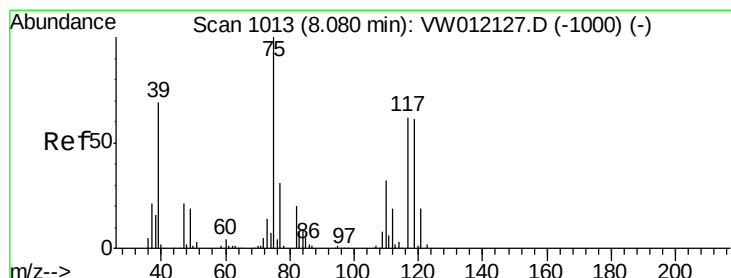
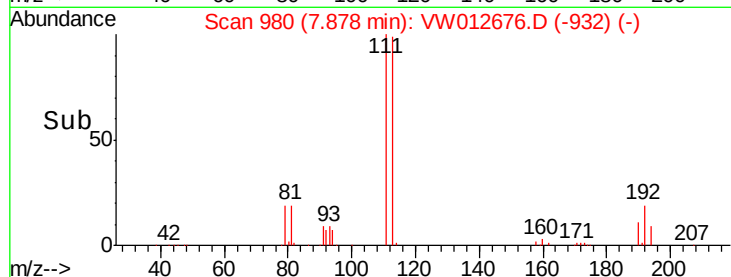
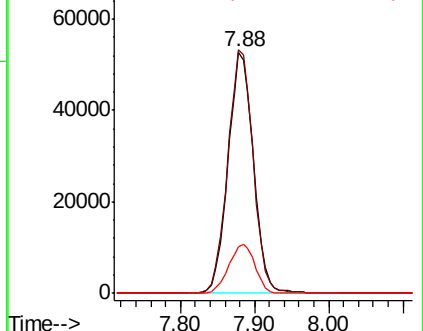
192 21.1 16.2 24.2



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: 4.856 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012676.D

Acq: 06 Sep 2019 07:22

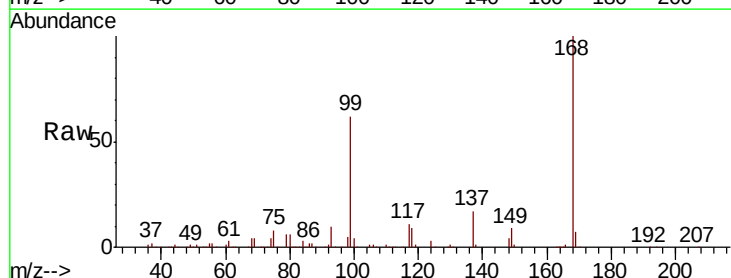
Tgt Ion: 75 Resp: 20907

Ion Ratio Lower Upper

75 100

110 10.5 15.6 46.8#

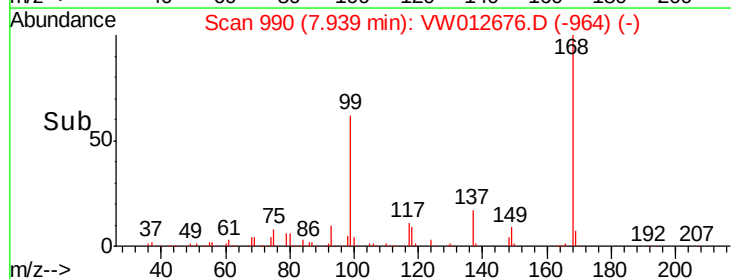
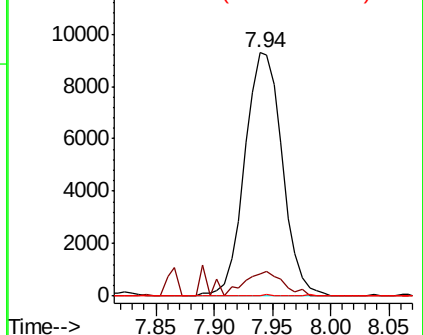
77 0.1 24.6 36.8#

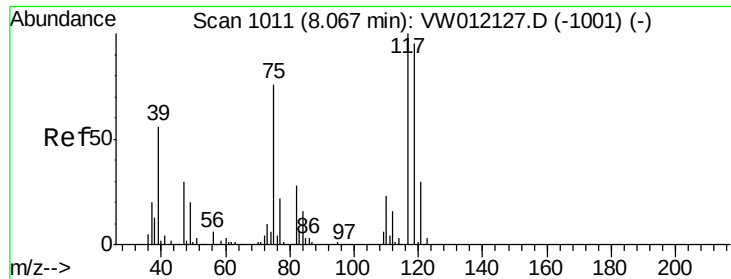


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.865 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012676.D

Acq: 06 Sep 2019 07:22

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ClientSampleId :

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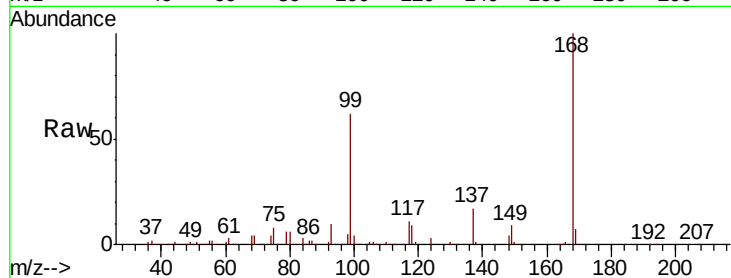
Tgt Ion:117 Resp: 25582

Ion Ratio Lower Upper

117 100

119 5.7 76.2 114.2#

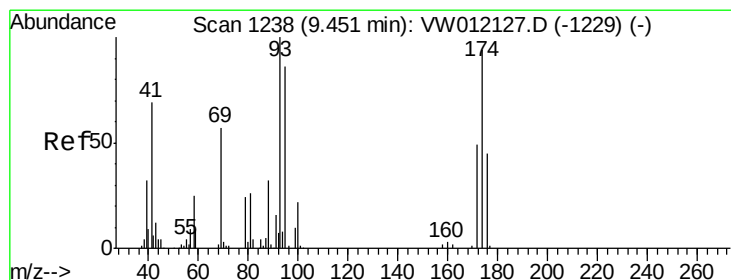
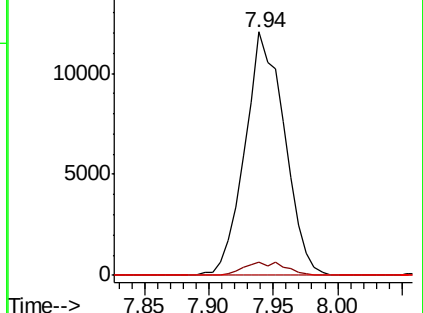
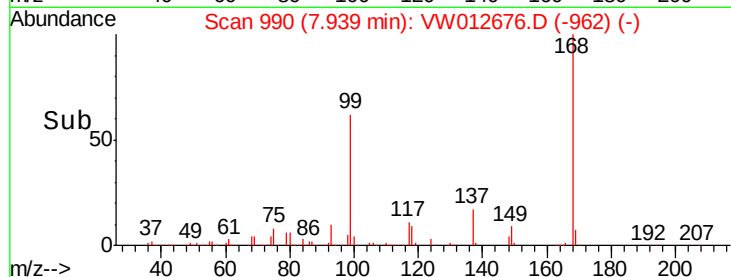
121 0.0 23.8 35.8#



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



#49

1,4-Dioxane

Concen: 1.856 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.02 min

Lab File: VW012676.D

Acq: 06 Sep 2019 07:22

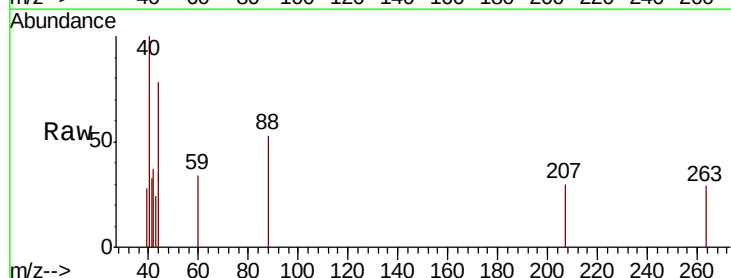
Tgt Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

43 157.5 32.9 49.3#

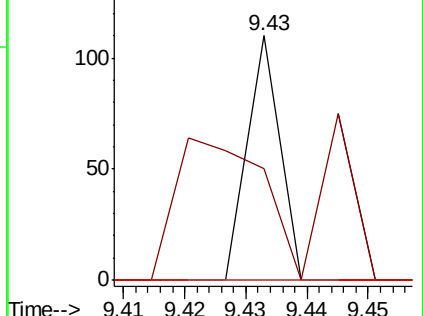
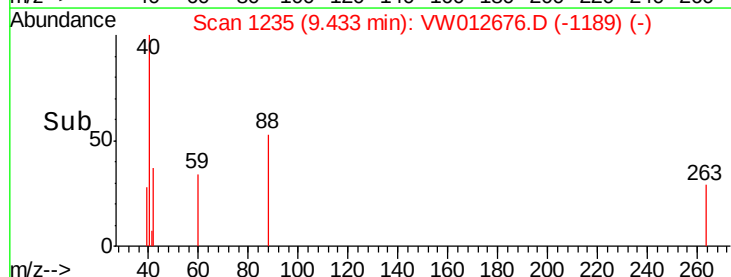
58 0.0 71.0 106.4#

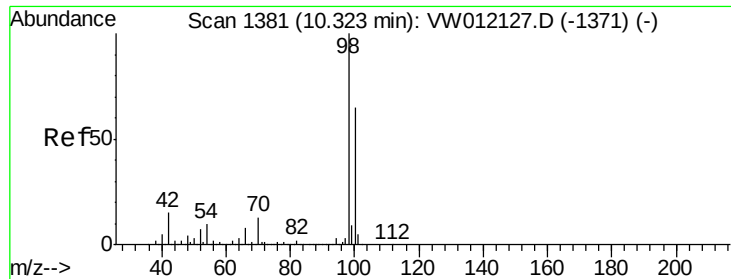


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 49.449 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012676.D

Acq: 06 Sep 2019 07:22

Instrument :

MSVOA_W

ClientSampleId :

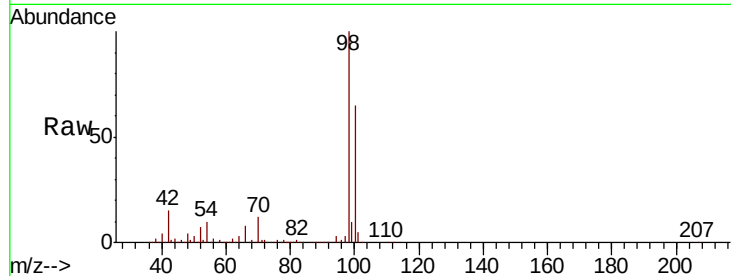
T12-C3-(0)

Tgt Ion: 98 Resp: 498597

Ion Ratio Lower Upper

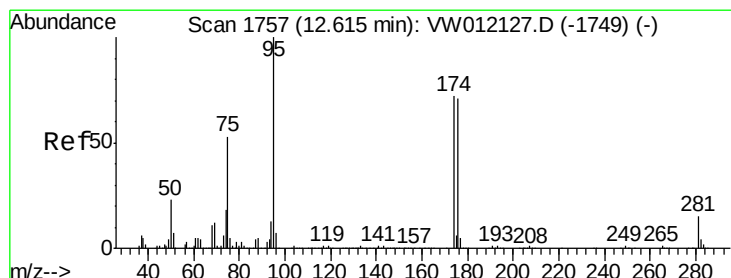
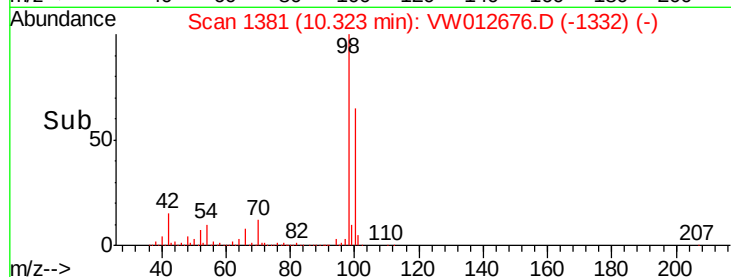
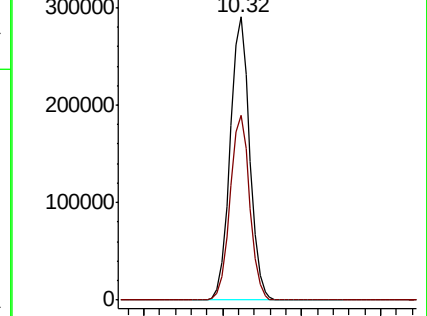
98 100

100 65.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 42.564 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012676.D

Acq: 06 Sep 2019 07:22

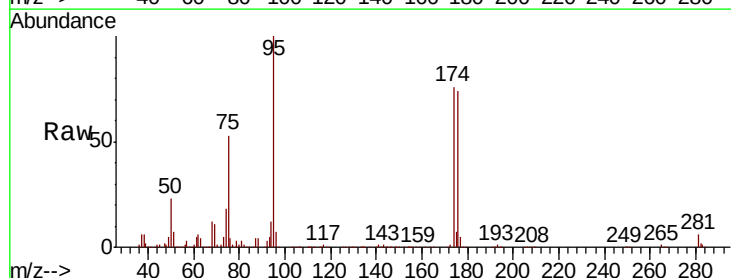
Tgt Ion: 95 Resp: 151284

Ion Ratio Lower Upper

95 100

174 80.5 0.0 150.8

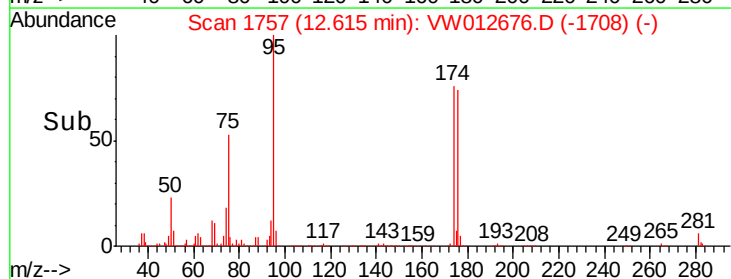
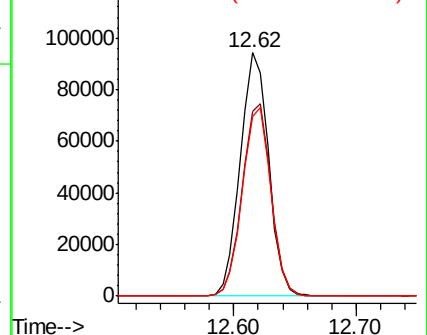
176 78.2 0.0 148.6

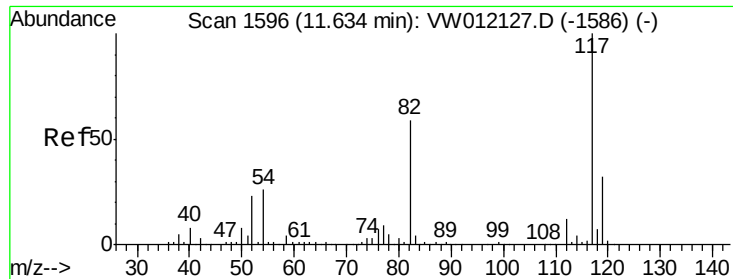


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

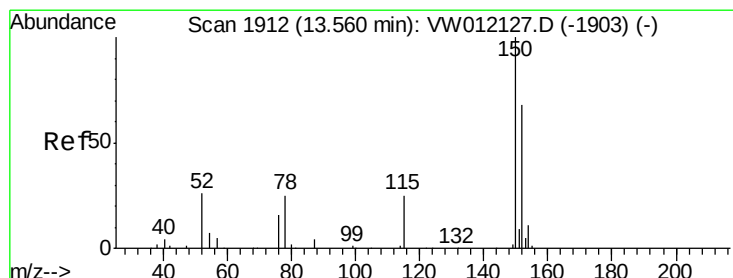
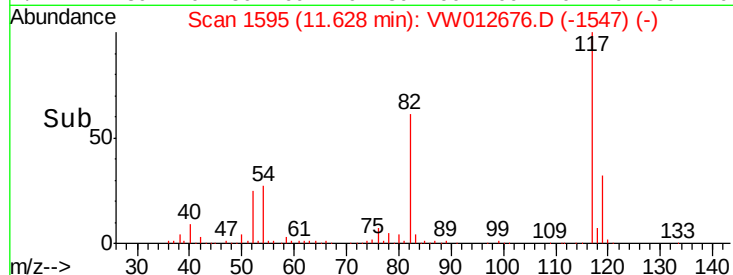
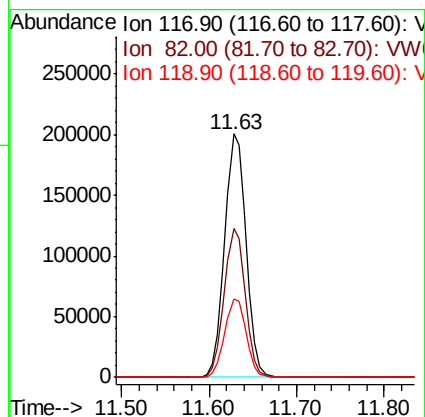
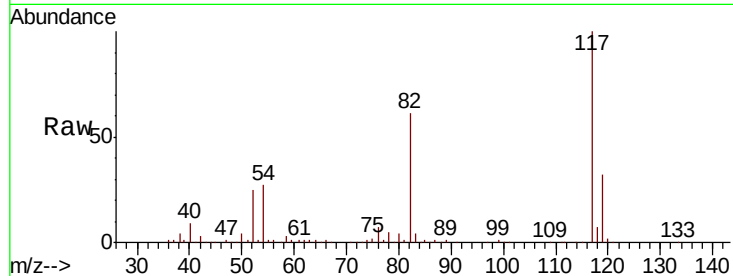




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012676.D
Acq: 06 Sep 2019 07:22

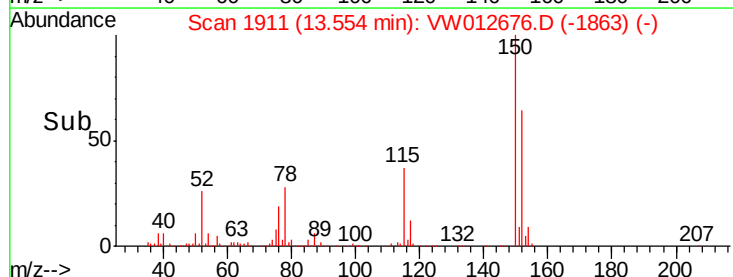
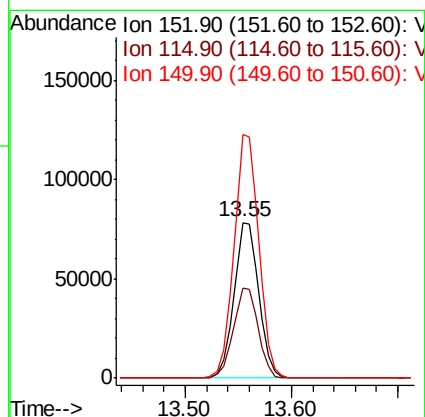
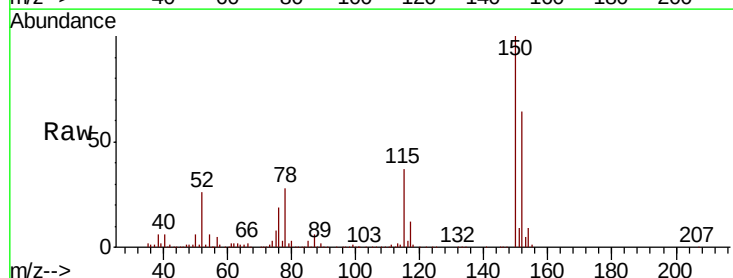
Instrument :
MSVOA_W
ClientSampleId :
T12-C3-(0)

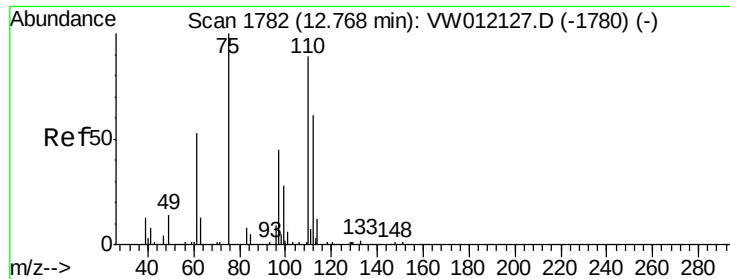
Tgt Ion:117 Resp: 340180
Ion Ratio Lower Upper
117 100
82 61.3 47.4 71.2
119 32.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW012676.D
Acq: 06 Sep 2019 07:22

Tgt Ion:152 Resp: 126822
Ion Ratio Lower Upper
152 100
115 58.3 30.1 90.3
150 157.3 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 67.476 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012676.D

Acq: 06 Sep 2019 07:22

Instrument :

MSVOA_W

ClientSampleId :

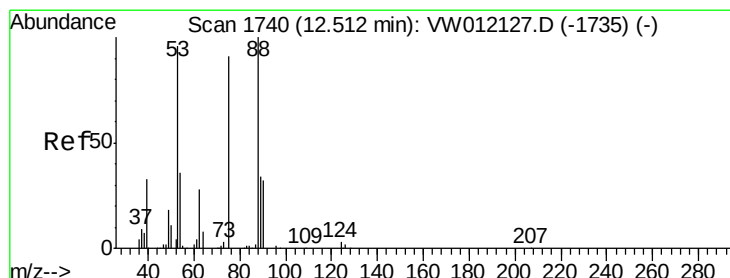
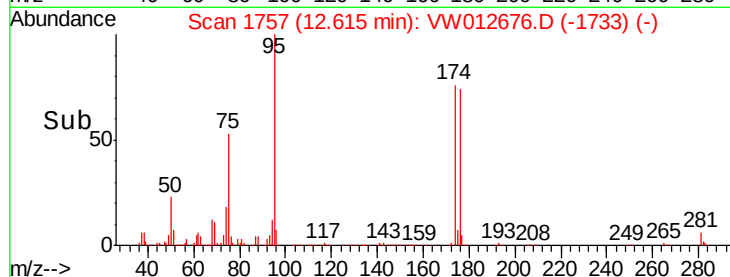
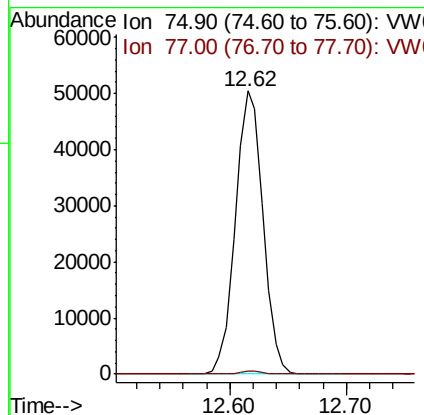
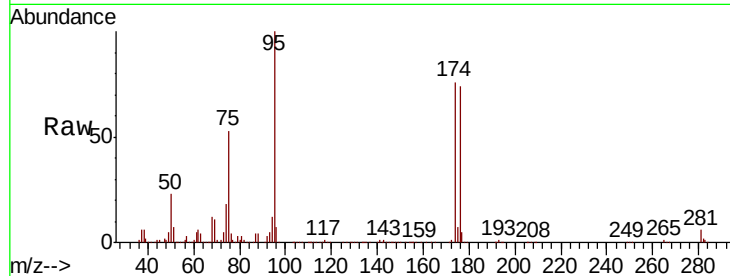
T12-C3-(0)

Tgt Ion: 75 Resp: 83343

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 147.943 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012676.D

Acq: 06 Sep 2019 07:22

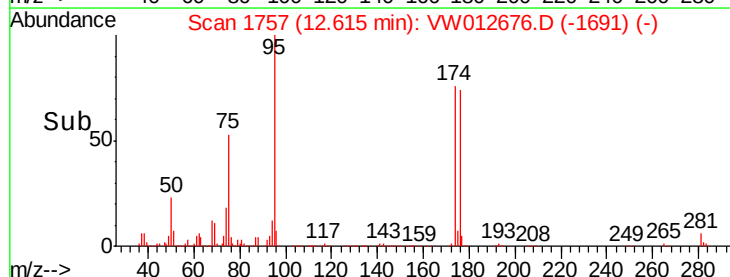
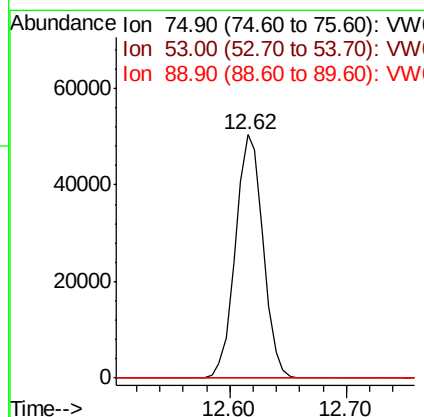
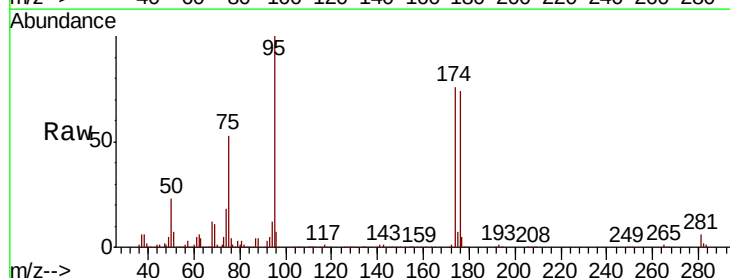
Tgt Ion: 75 Resp: 83343

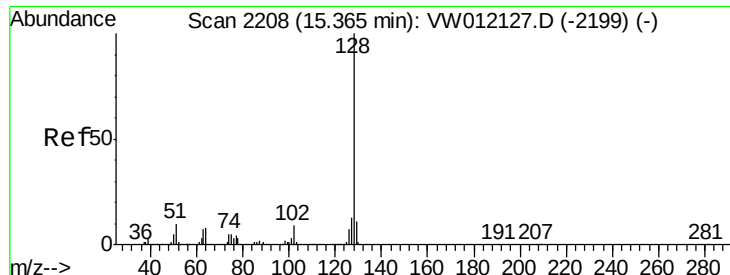
Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

89 0.2 34.5 51.7#





#95

Naphthalene

Concen: 4.348 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012676.D

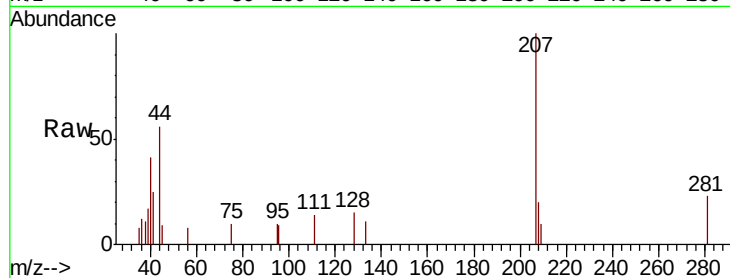
Acq: 06 Sep 2019 07:22

Instrument :

MSVOA_W

ClientSampleId :

T12-C3-(0)



Tgt Ion:	128	Resp:	139
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.7	13.1#

