

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090319\
 Data File : VW012564.D
 Acq On : 04 Sep 2019 00:06
 Operator : SY/VA
 Sample : K4525-03RE
 Misc : 5.83G/5ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-A2-(0)

Quant Time: Sep 04 06:52:02 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	267333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	432990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	347764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	124283	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	175146	55.11	ug/l	0.00
Spiked Amount			Recovery	=	110.22%	
35) Dibromofluoromethane	7.88	113	133870	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
50) Toluene-d8	10.32	98	523991	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.62	95	152902	41.39	ug/l	0.00
Spiked Amount			Recovery	=	82.78%	

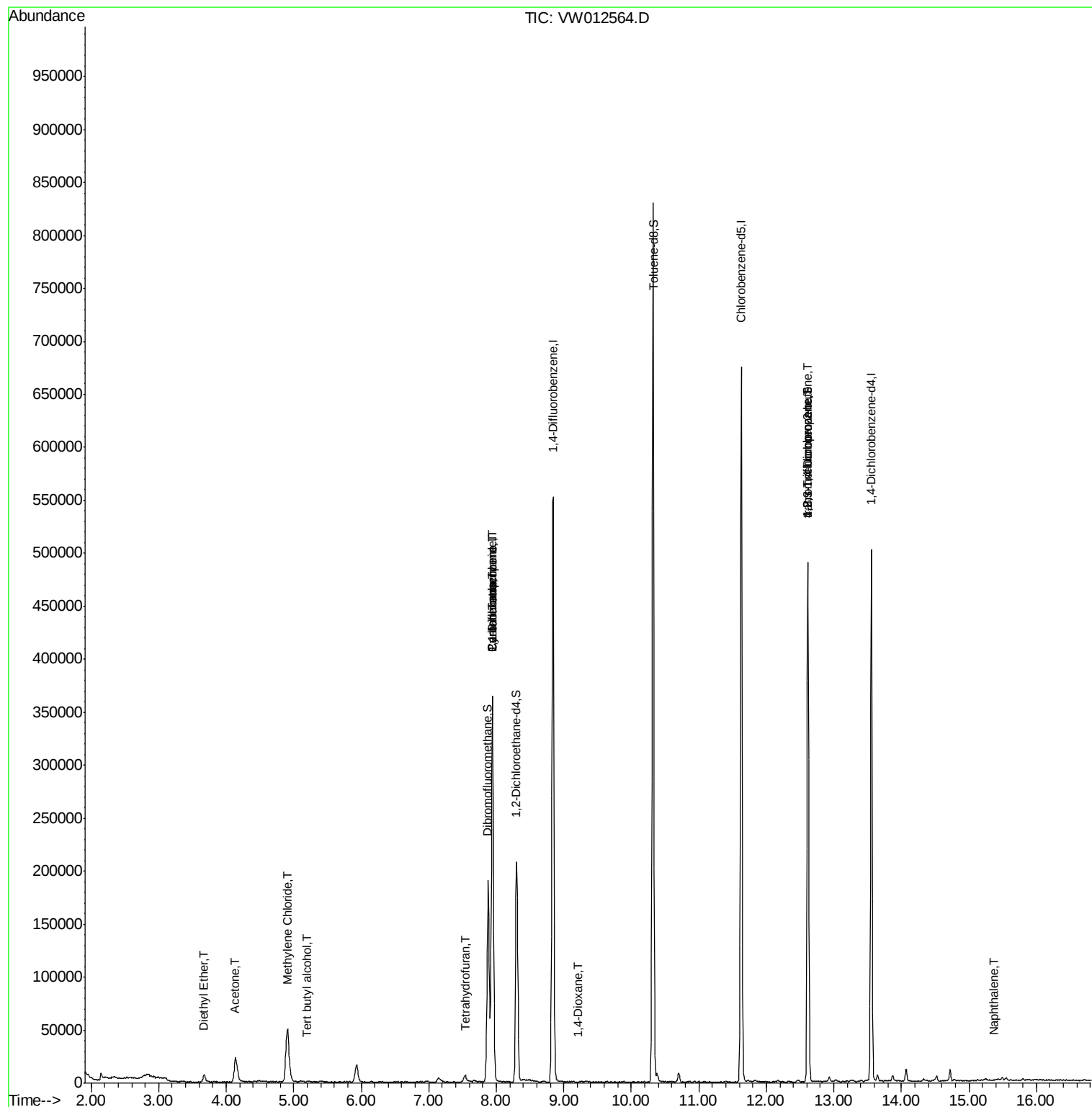
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	3353	2.254	ug/l	74
11) Tert butyl alcohol	5.20	59	487	2.546	ug/l	97
16) Acetone	4.14	43	50636	62.333	ug/l	94
20) Methylene Chloride	4.92	84	38012	12.378	ug/l	98
29) Tetrahydrofuran	7.54	42	6556	9.899	ug/l	98
31) Cyclohexane	7.94	56	6671	1.165	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	22116	4.943	ug/l #	52
38) Carbon Tetrachloride	7.95	117	27417	7.079	ug/l #	17
49) 1,4-Dioxane	9.21	88	50	2.232	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	84661	69.943	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	84661	153.353	ug/l #	6
95) Naphthalene	15.37	128	576	4.433	ug/l #	88

(#) = 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: VW012564.D

Acq: 04 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

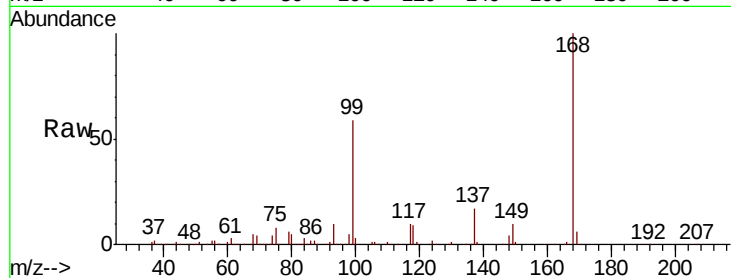
T9-12-13-A2-(0)

Tgt Ion:168 Resp: 267333

Ion Ratio Lower Upper

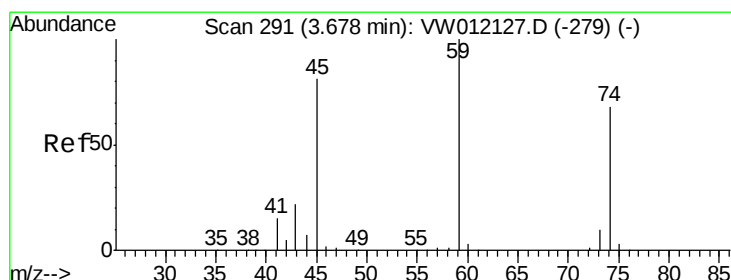
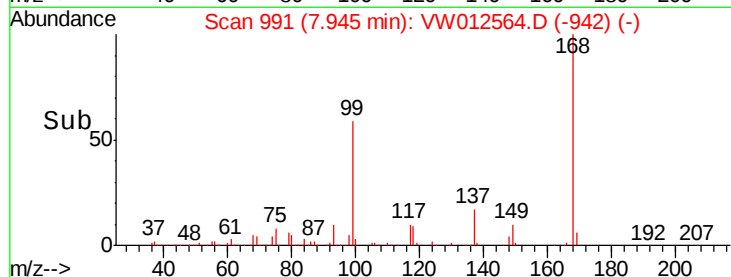
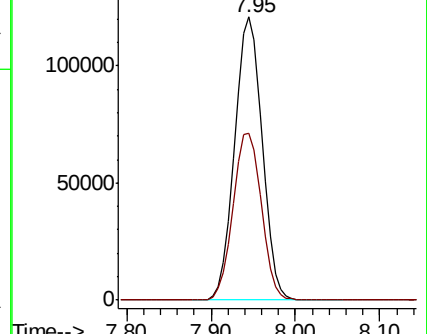
168 100

99 58.7 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: 2.254 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012564.D

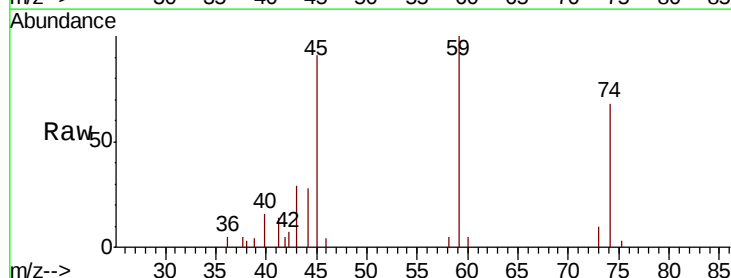
Acq: 04 Sep 2019 00:06

Tgt Ion: 74 Resp: 3353

Ion Ratio Lower Upper

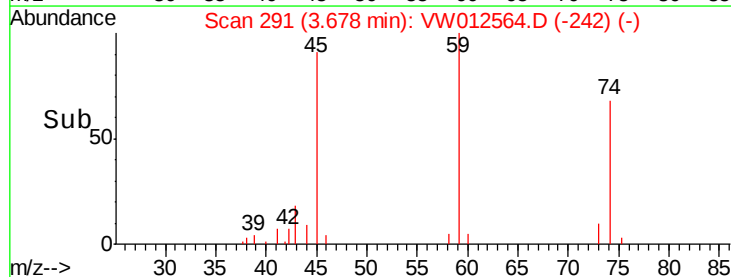
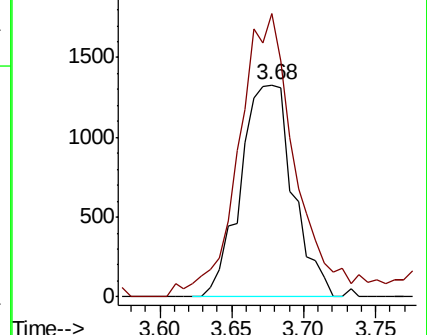
74 100

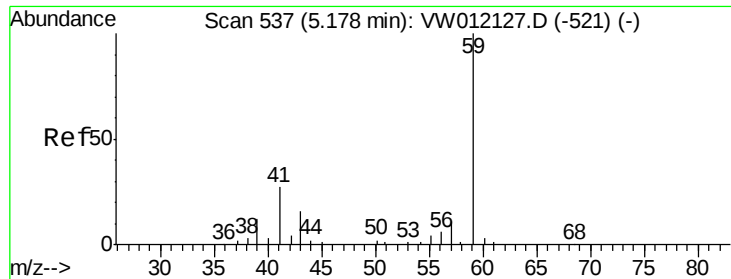
45 146.8 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

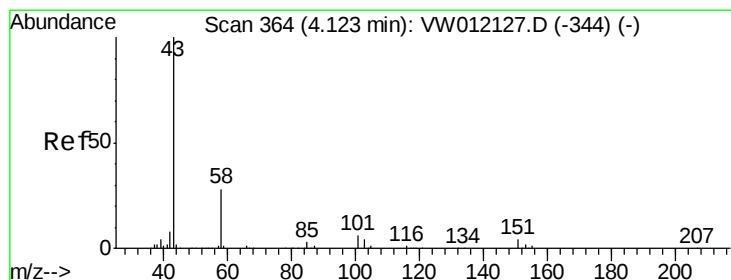
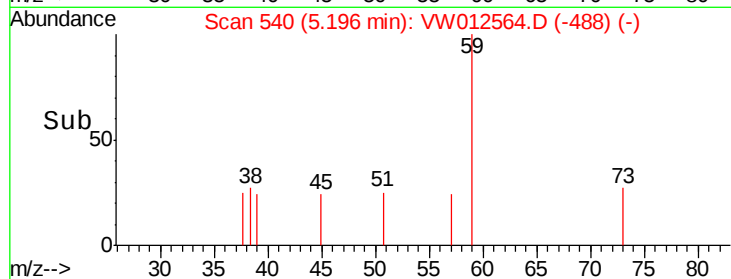
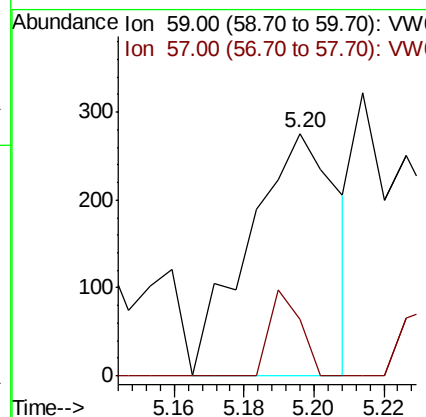
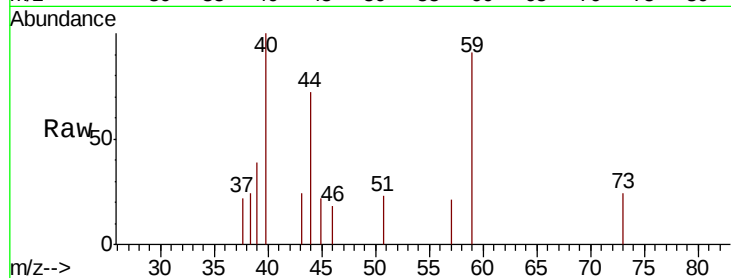




#11
Tert butyl alcohol
Concen: 2.546 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.02 min
Lab File: VW012564.D
Acq: 04 Sep 2019 00:06

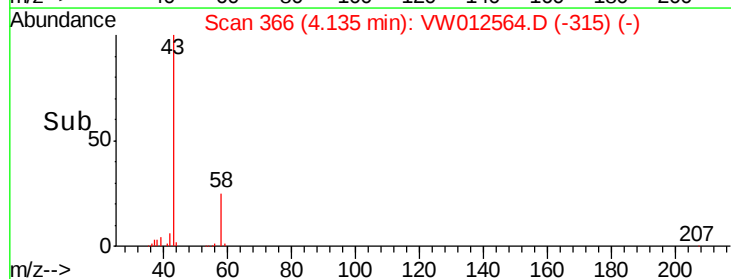
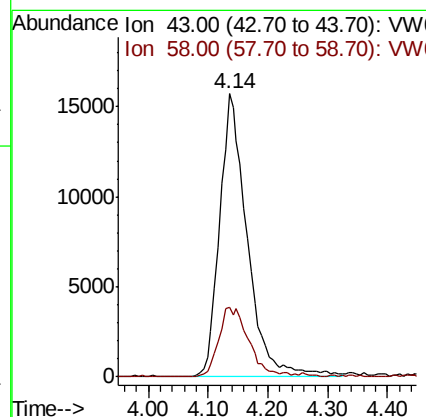
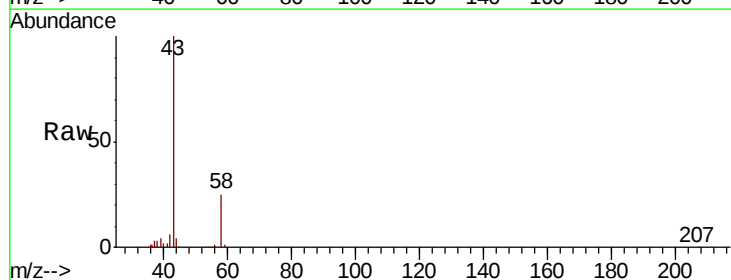
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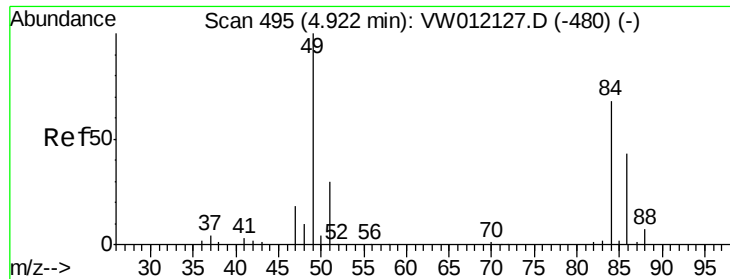
Tgt Ion: 59 Resp: 487
Ion Ratio Lower Upper
59 100
57 12.3 9.0 13.4



#16
Acetone
Concen: 62.333 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012564.D
Acq: 04 Sep 2019 00:06

Tgt Ion: 43 Resp: 50636
Ion Ratio Lower Upper
43 100
58 24.6 22.4 33.6

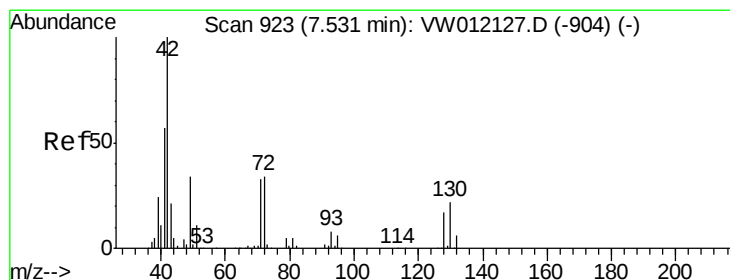
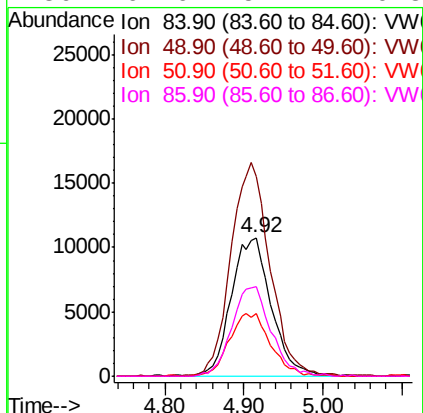
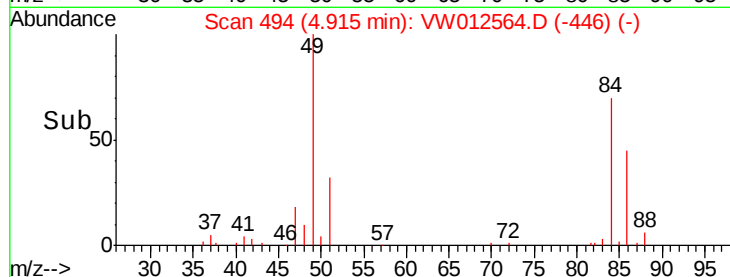
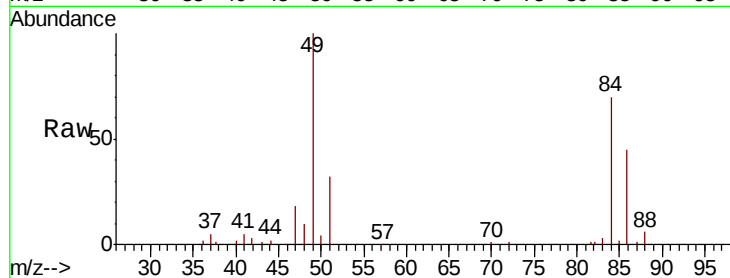




#20
Methylene Chloride
Concen: 12.378 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012564.D
Acq: 04 Sep 2019 00:06

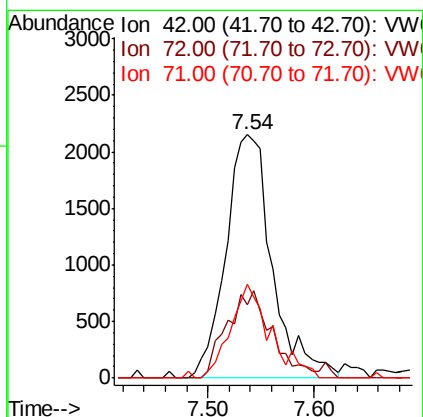
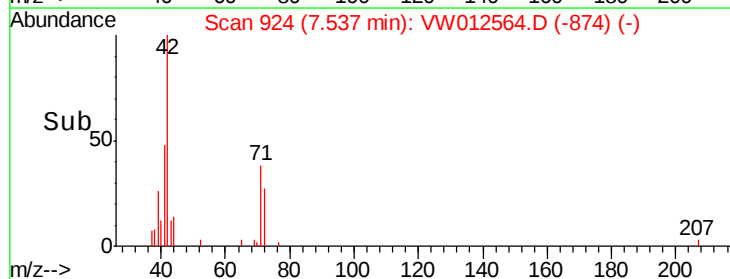
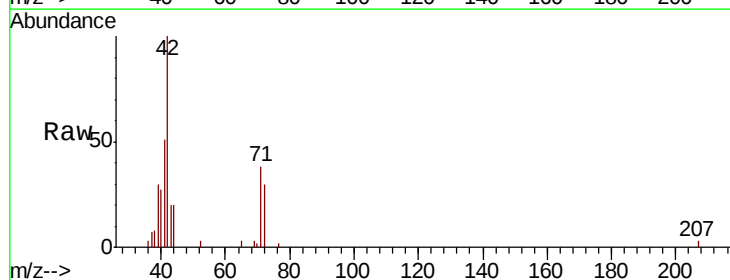
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-A2-(0)

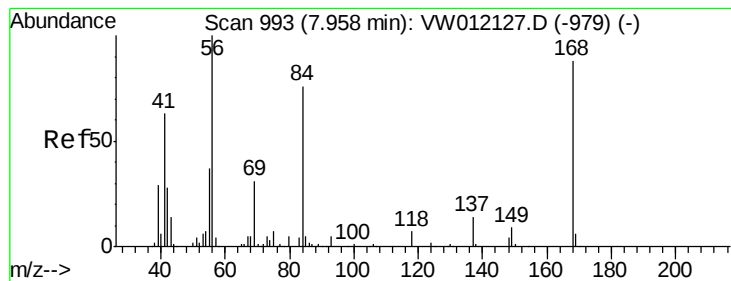
Tgt Ion:	84	Resp:	38012
Ion	Ratio	Lower	Upper
84	100		
49	143.2	117.8	176.8
51	45.6	35.6	53.4
86	64.6	51.2	76.8



#29
Tetrahydrofuran
Concen: 9.899 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012564.D
Acq: 04 Sep 2019 00:06

Tgt Ion:	42	Resp:	6556
Ion	Ratio	Lower	Upper
42	100		
72	34.6	27.3	40.9
71	29.9	25.5	38.3





#31

Cyclohexane

Concen: 1.165 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012564.D

Acq: 04 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-A2-(0)

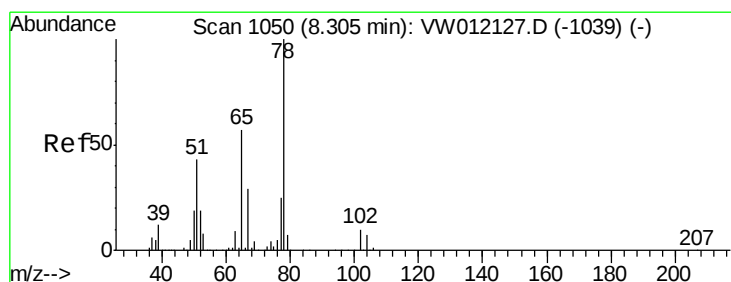
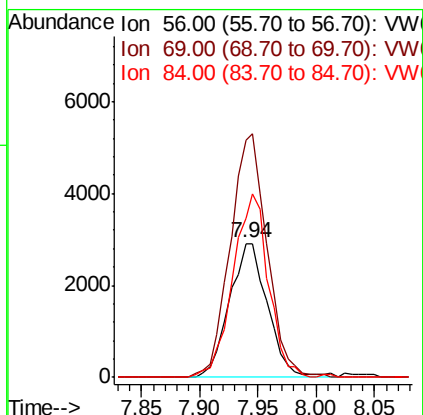
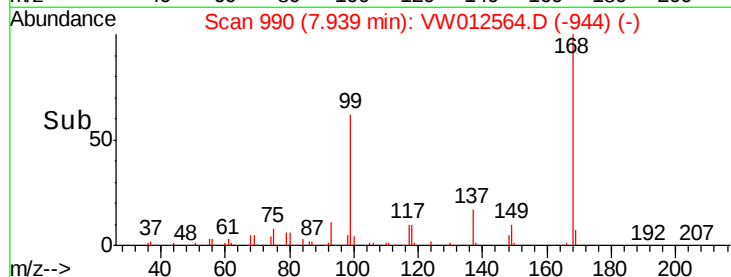
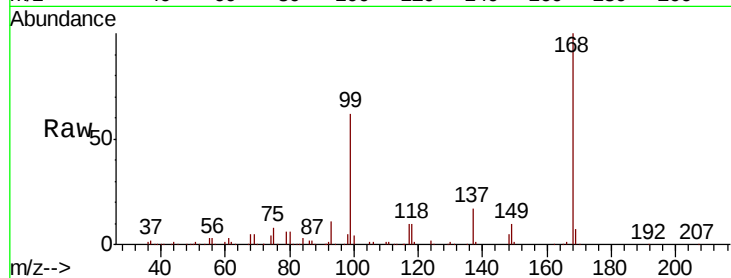
Tgt Ion: 56 Resp: 6671

Ion Ratio Lower Upper

56 100

69 177.1 24.9 37.3#

84 118.4 60.6 90.8#



#33

1,2-Dichloroethane-d4

Concen: 55.113 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW012564.D

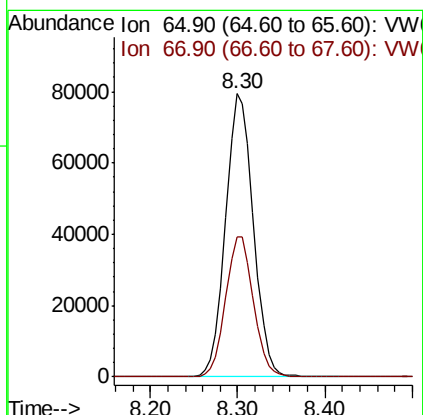
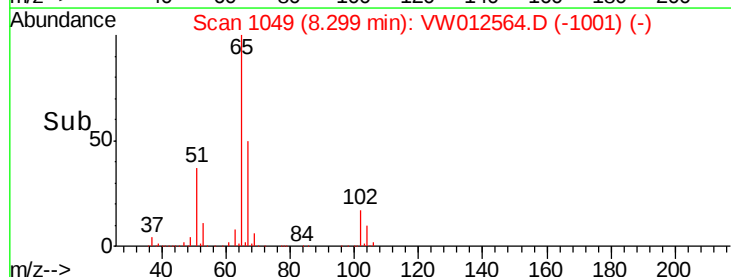
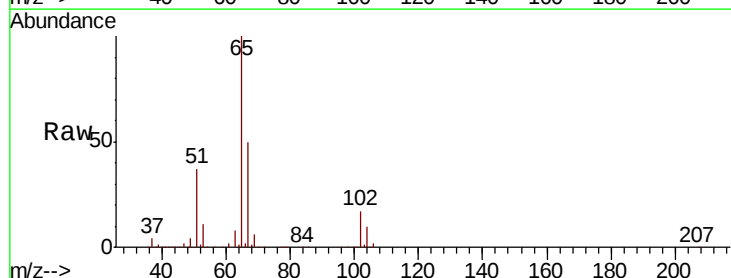
Acq: 04 Sep 2019 00:06

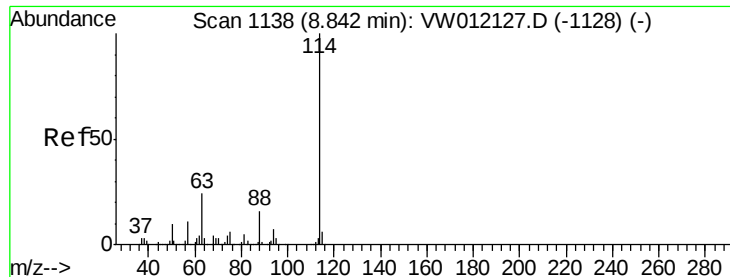
Tgt Ion: 65 Resp: 175146

Ion Ratio Lower Upper

65 100

67 49.9 0.0 102.6

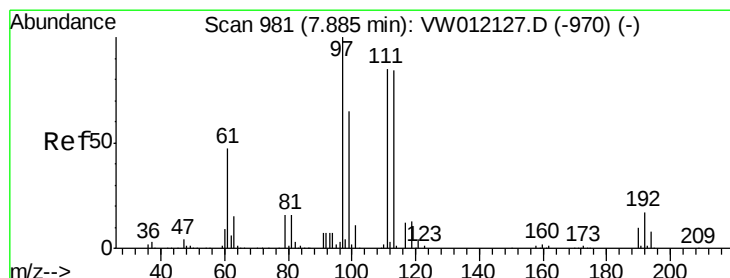
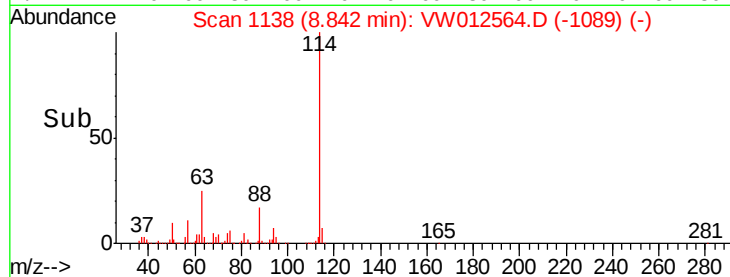
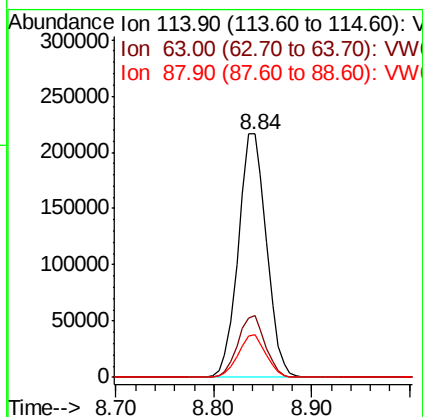
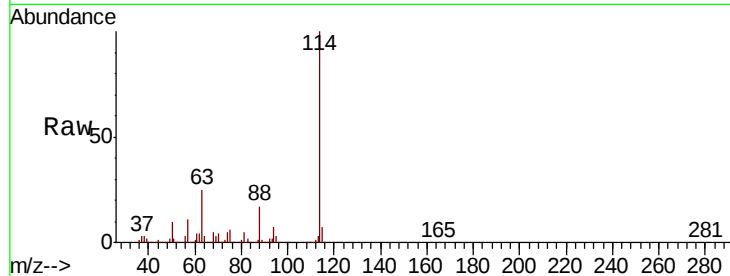




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012564.D
 Acq: 04 Sep 2019 00:06

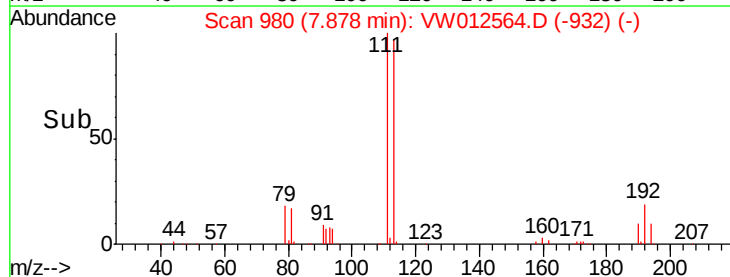
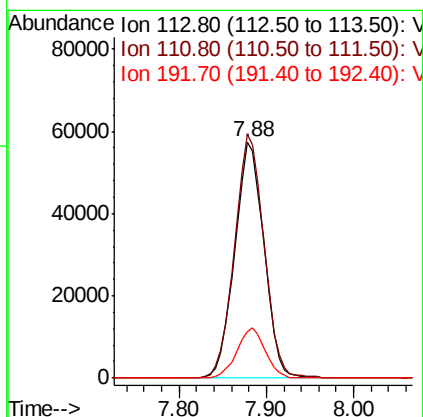
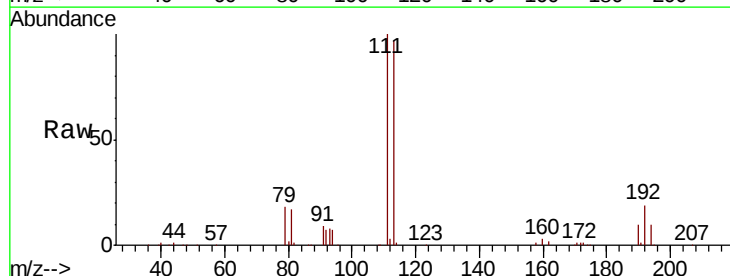
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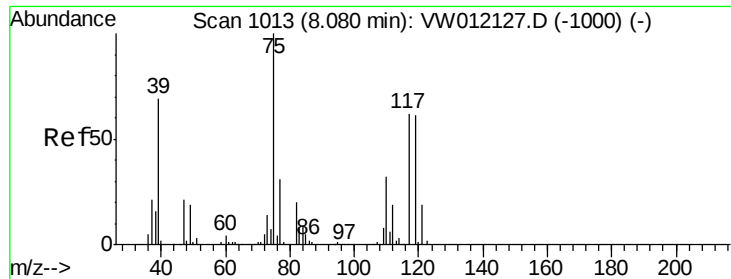
Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	48.6
88	17.5	0.0	32.2



#35
 Dibromofluoromethane
 Concen: 51.797 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012564.D
 Acq: 04 Sep 2019 00:06

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.7	124.1
192	20.7	16.2	24.2

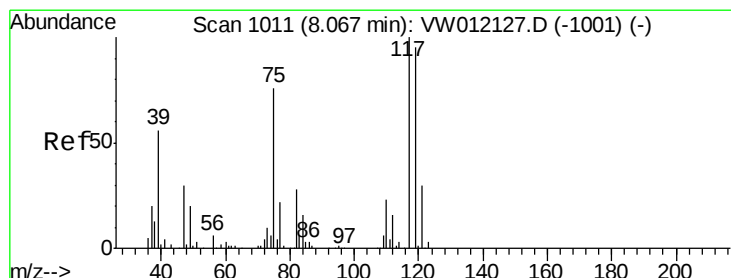
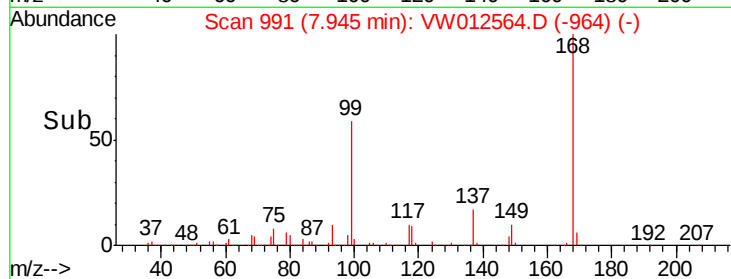
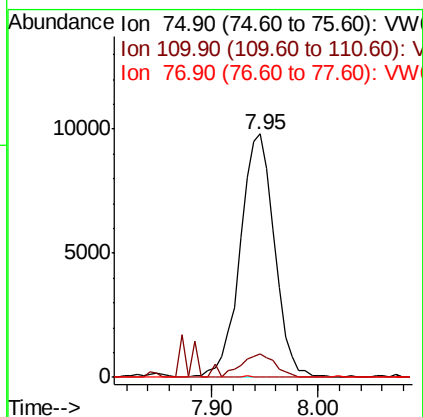
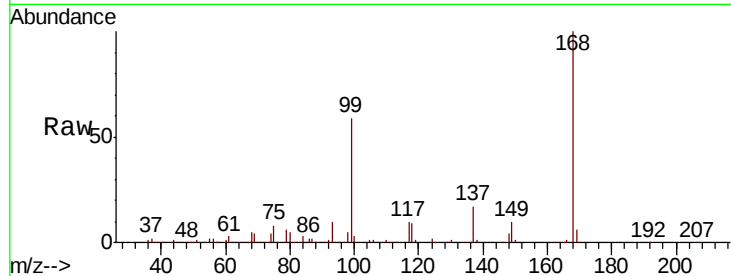




#36
 1,1-Dichloropropene
 Concen: 4.943 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012564.D
 Acq: 04 Sep 2019 00:06

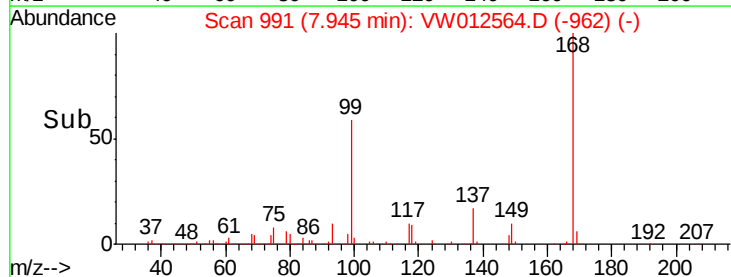
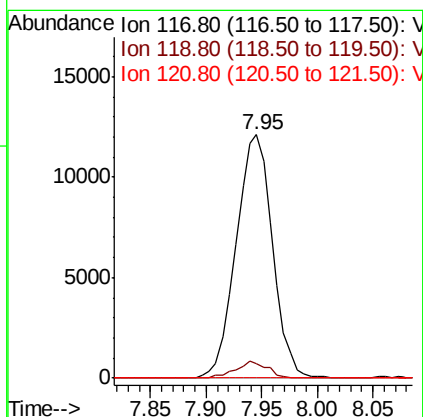
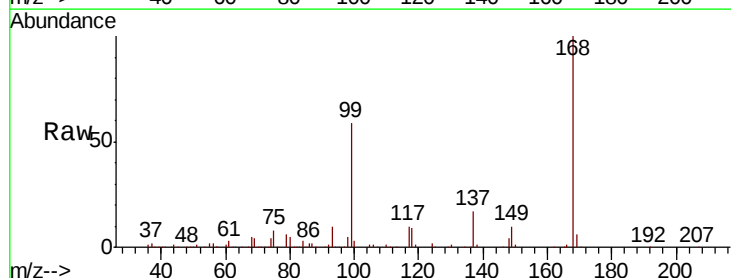
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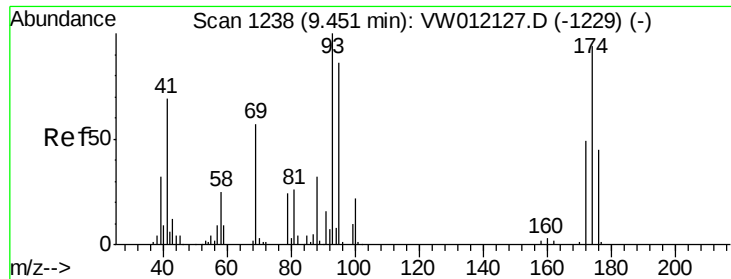
Tgt Ion: 75 Resp: 22116
 Ion Ratio Lower Upper
 75 100
 110 9.5 15.6 46.8#
 77 0.1 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 7.079 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012564.D
 Acq: 04 Sep 2019 00:06

Tgt Ion: 117 Resp: 27417
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.2 114.2#
 121 0.0 23.8 35.8#





#49

1,4-Dioxane

Concen: 2.232 ug/l

RT: 9.21 min Scan# 1199

Delta R.T. -0.24 min

Lab File: VW012564.D

Acq: 04 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-A2-(0)

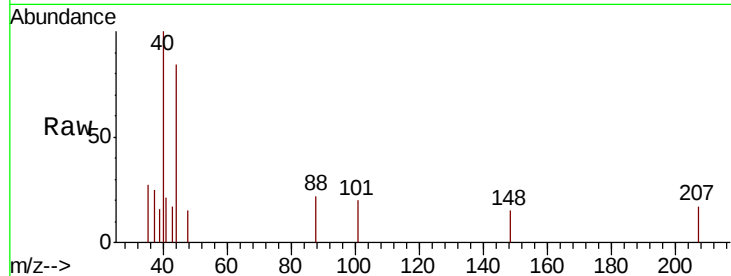
Tgt Ion: 88 Resp: 50

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

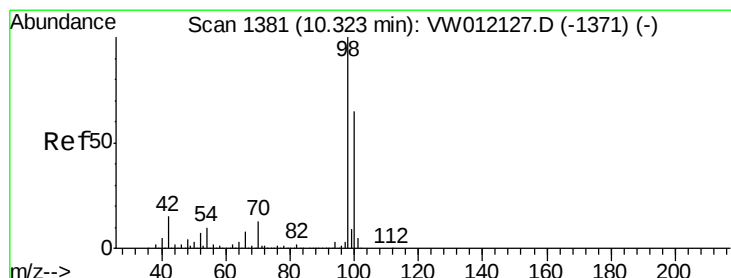
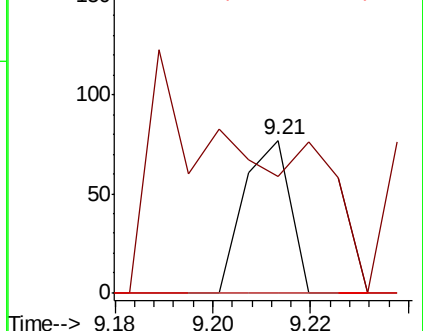
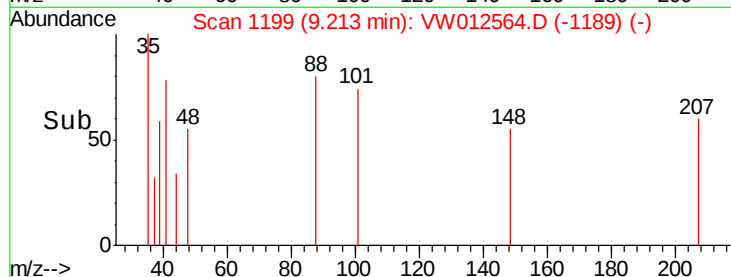
58 0.0 71.0 106.4#



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: 50.001 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012564.D

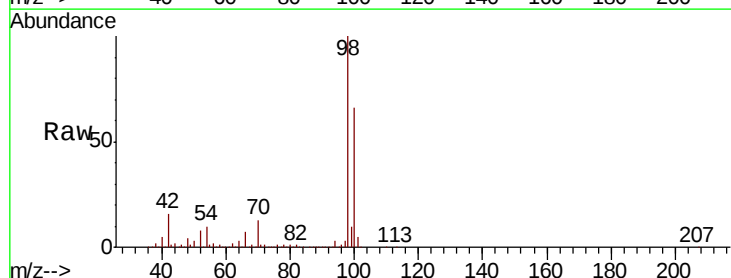
Acq: 04 Sep 2019 00:06

Tgt Ion: 98 Resp: 523991

Ion Ratio Lower Upper

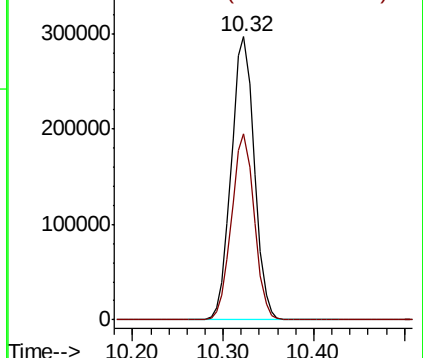
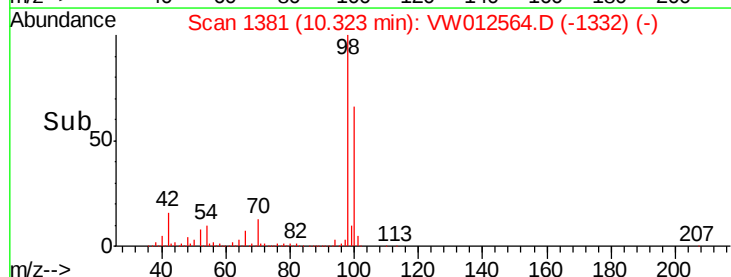
98 100

100 64.9 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: 41.392 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012564.D

Acq: 04 Sep 2019 00:06

Instrument :

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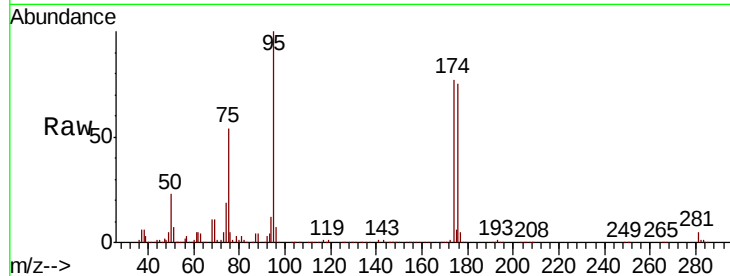
Tgt Ion: 95 Resp: 152902

Ion Ratio Lower Upper

95 100

174 80.2 0.0 150.8

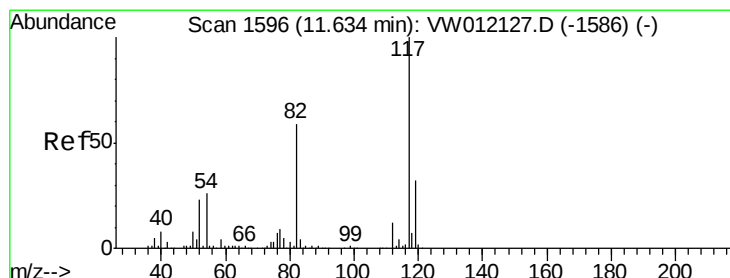
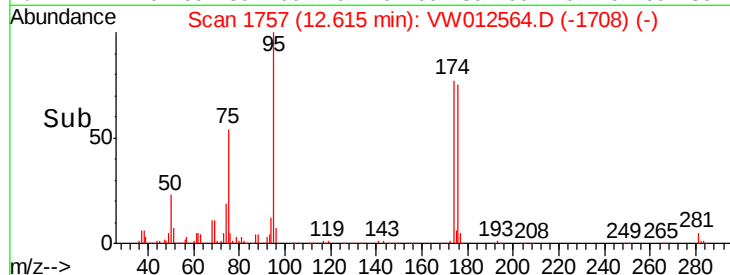
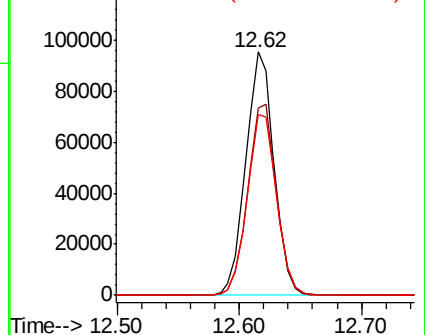
176 77.0 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012564.D

Acq: 04 Sep 2019 00:06

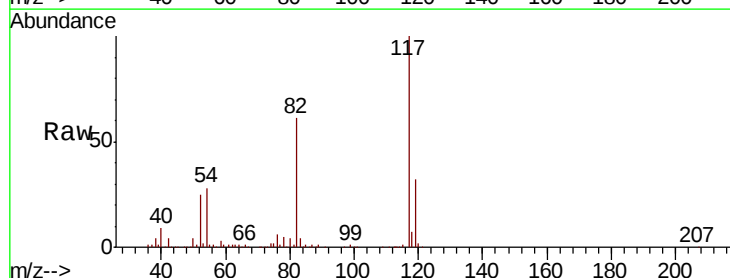
Tgt Ion: 117 Resp: 347764

Ion Ratio Lower Upper

117 100

82 60.5 47.4 71.2

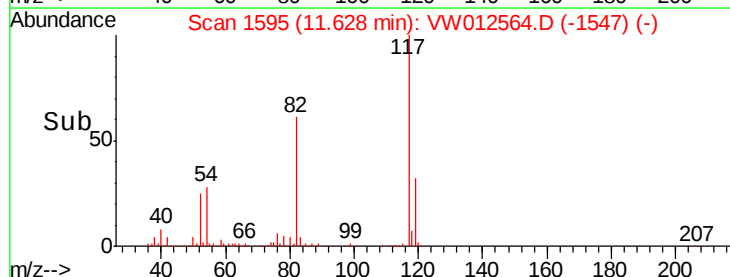
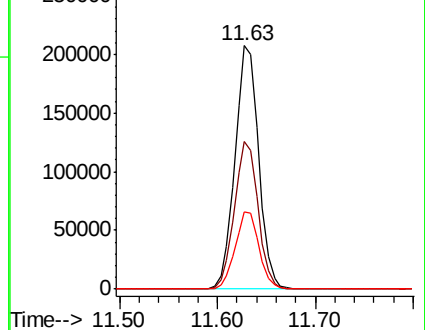
119 31.6 25.4 38.2

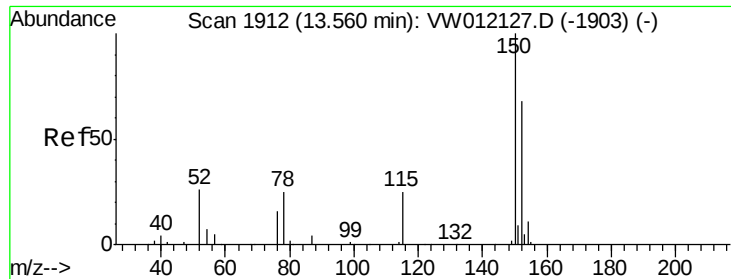


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012564.D

Acq: 04 Sep 2019 00:06

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-A2-(0)

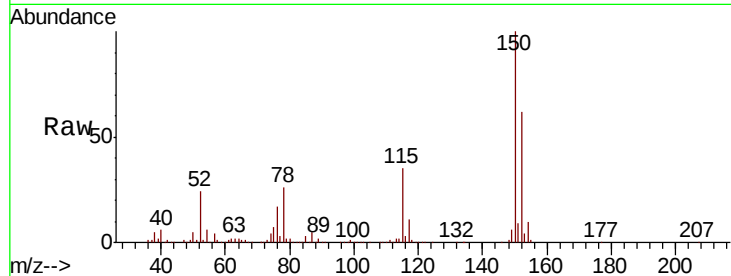
Tgt Ion:152 Resp: 124283

Ion Ratio Lower Upper

152 100

115 59.7 30.1 90.3

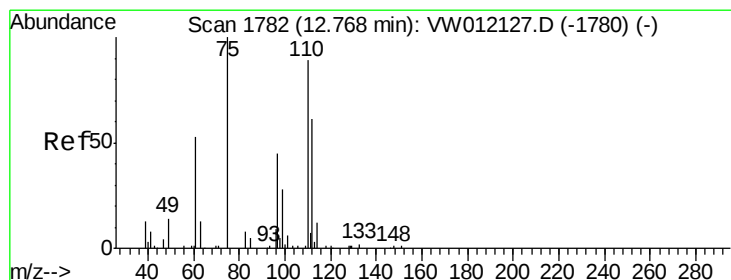
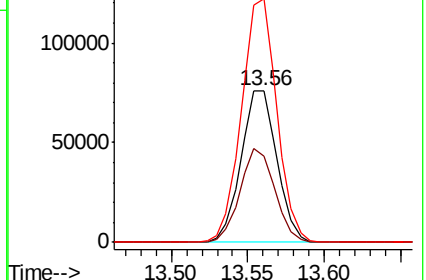
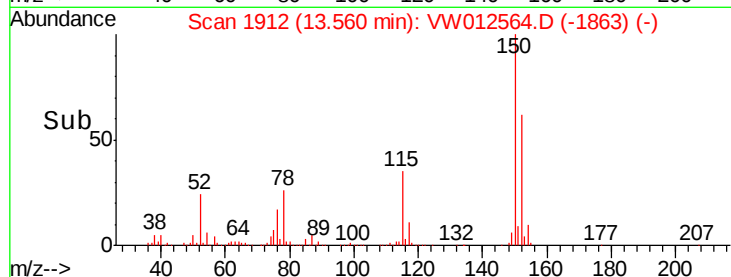
150 157.4 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 69.943 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012564.D

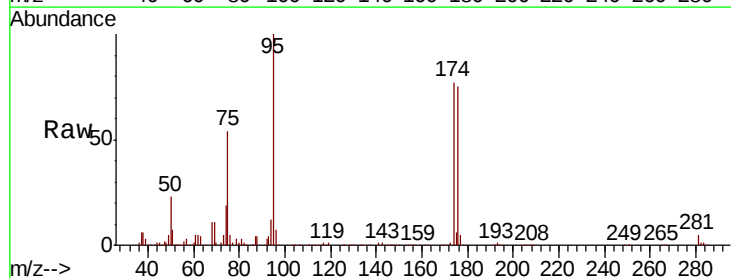
Acq: 04 Sep 2019 00:06

Tgt Ion: 75 Resp: 84661

Ion Ratio Lower Upper

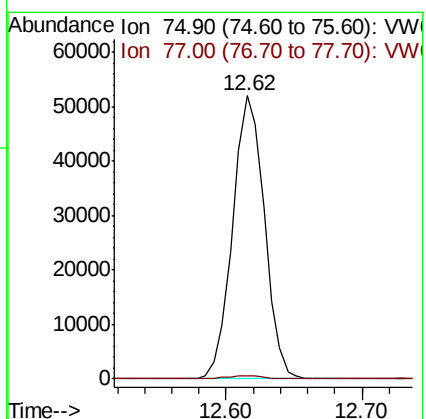
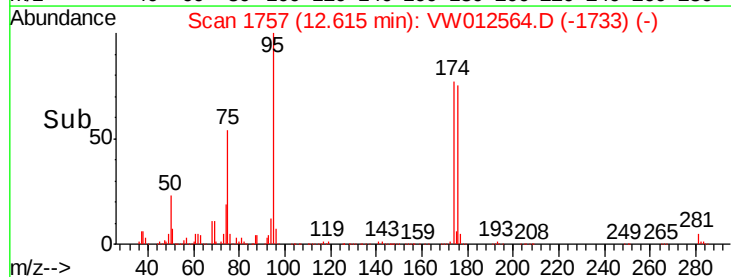
75 100

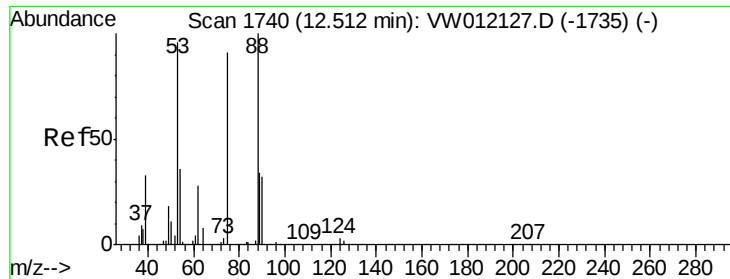
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

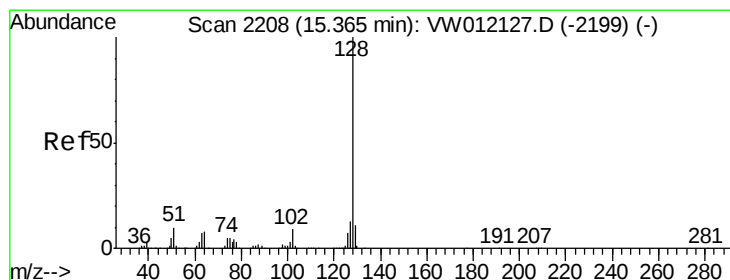
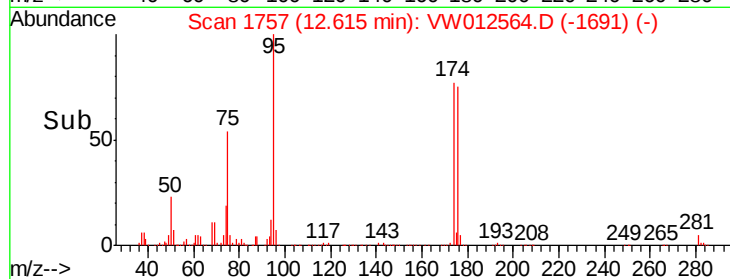
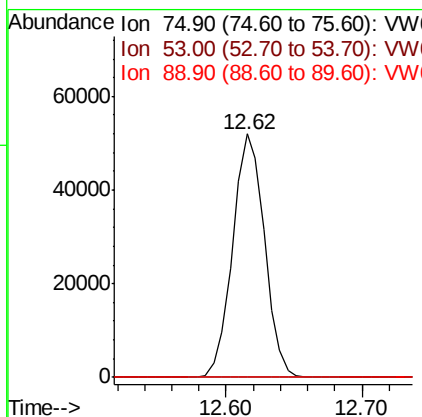
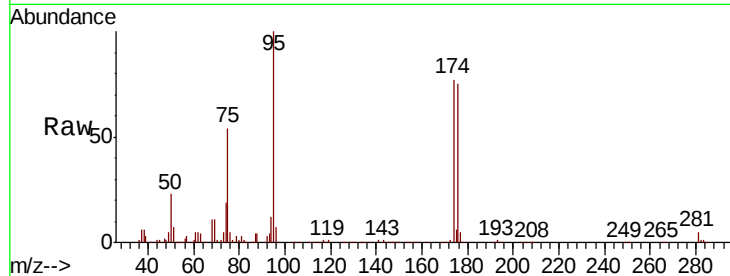




#81
trans-1,4-Dichloro-2-butene
Concen: 153.353 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012564.D
Acq: 04 Sep 2019 00:06

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-A2-(0)

Tgt Ion: 75 Resp: 84661
Ion Ratio Lower Upper
75 100
53 0.3 89.4 134.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.433 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012564.D
Acq: 04 Sep 2019 00:06

Tgt Ion: 128 Resp: 576
Ion Ratio Lower Upper
128 100
127 7.6 10.7 16.1#
129 7.8 8.7 13.1#

