

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012142.D
 Acq On : 23 Aug 2019 19:24
 Operator : SY/VA
 Sample : K4474-04
 Misc : 6.49G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-F2-(2.5)

Quant Time: Aug 26 07:30:01 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	220164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	366090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	293294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	103491	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	143495	54.83	ug/l	0.00
Spiked Amount			Recovery	=	109.66%	
35) Dibromofluoromethane	7.88	113	112114	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
50) Toluene-d8	10.32	98	445506	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.62	95	130806	41.88	ug/l	0.00
Spiked Amount			Recovery	=	83.76%	

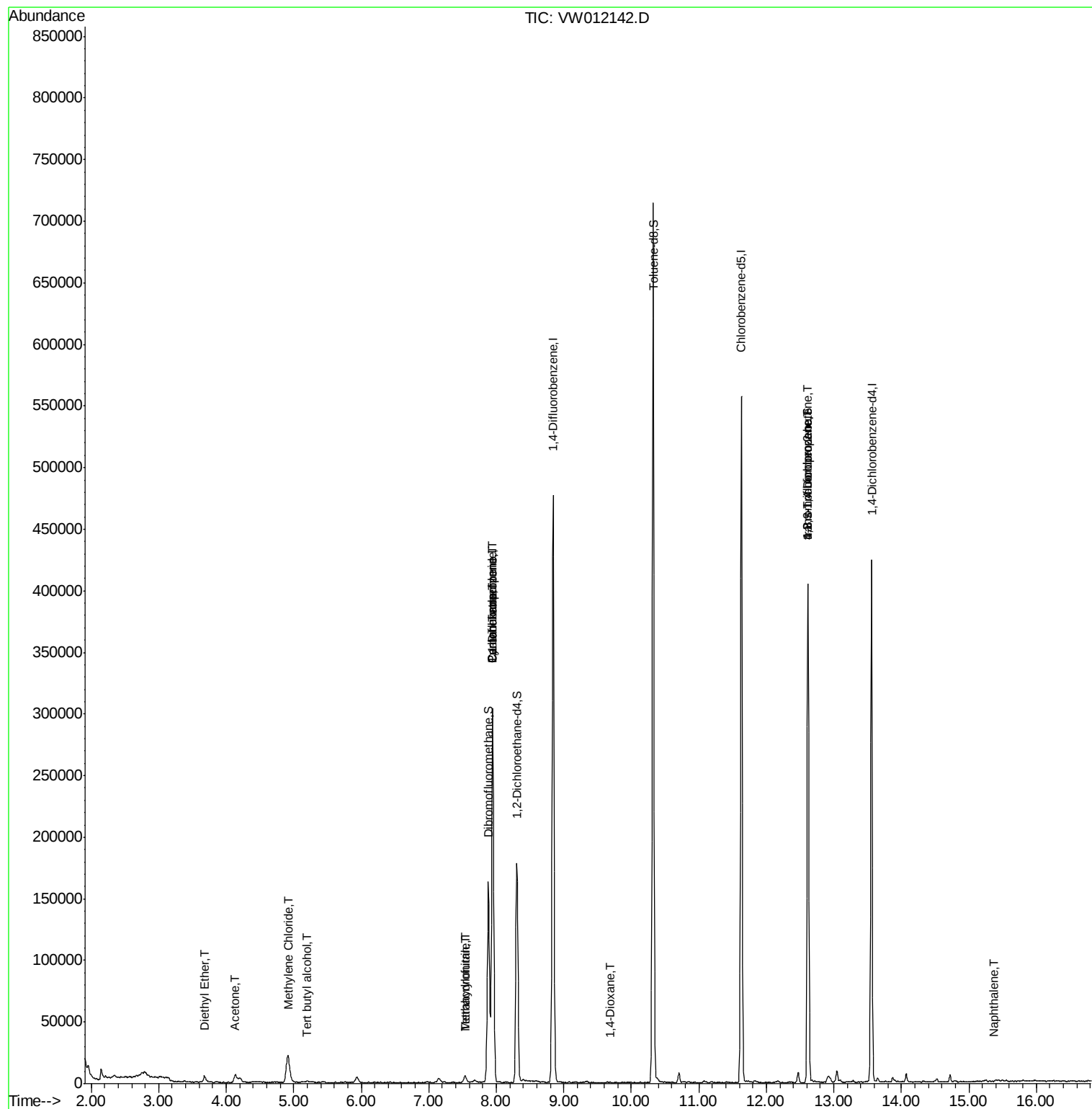
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2573	2.100	ug/l	96
11) Tert butyl alcohol	5.19	59	1433	9.098	ug/l #	90
16) Acetone	4.14	43	13425	20.067	ug/l	91
20) Methylene Chloride	4.92	84	17613	6.964	ug/l	92
29) Tetrahydrofuran	7.54	42	5054	9.266	ug/l	97
31) Cyclohexane	7.95	56	5827	1.236	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19270	5.094	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21832	6.668	ug/l #	16
41) Methacrylonitrile	7.54	41	3070	2.520	ug/l #	58
49) 1,4-Dioxane	9.68	88	19	1.003	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	70810	70.253	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	70810	154.032	ug/l #	6
95) Naphthalene	15.37	128	255	4.381	ug/l #	69

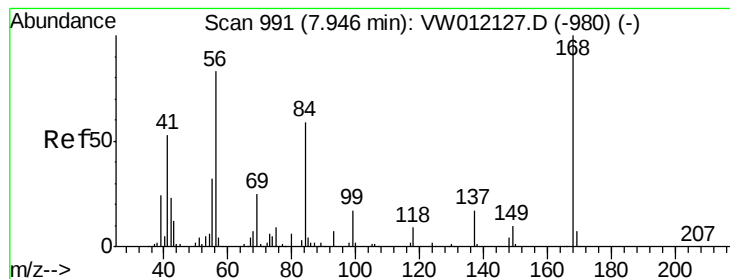
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW012142.D

Acq: 23 Aug 2019 19:24

Instrument :

MSVOA_W

ClientSampleId :

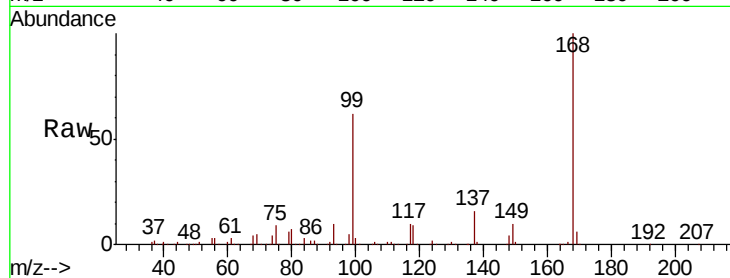
T1-2-F2-(2.5)

Tgt Ion:168 Resp: 220164

Ion Ratio Lower Upper

168 100

99 61.9 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

100000

80000

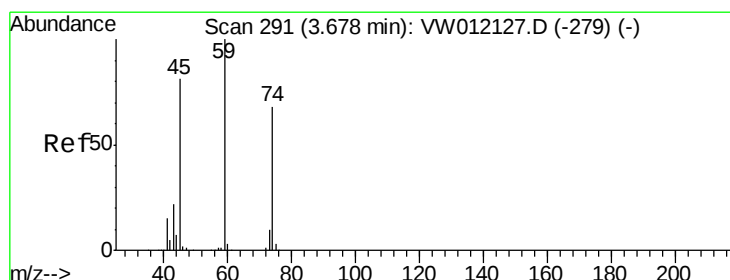
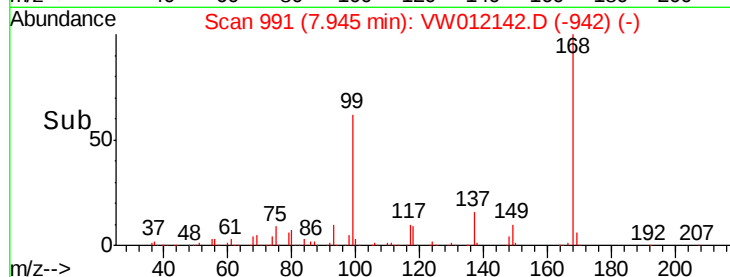
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 2.100 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012142.D

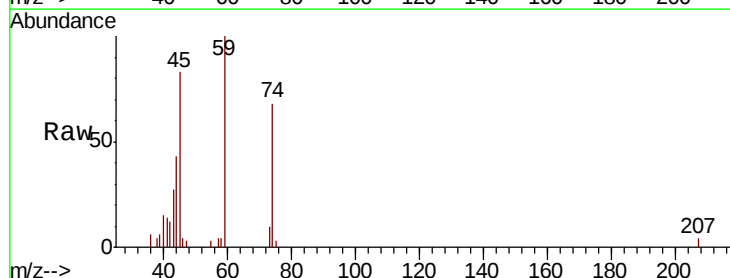
Acq: 23 Aug 2019 19:24

Tgt Ion: 74 Resp: 2573

Ion Ratio Lower Upper

74 100

45 122.3 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

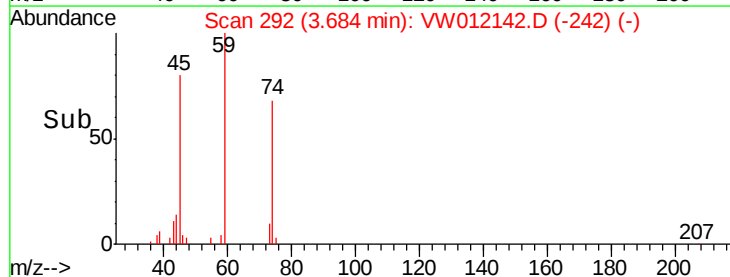
1500

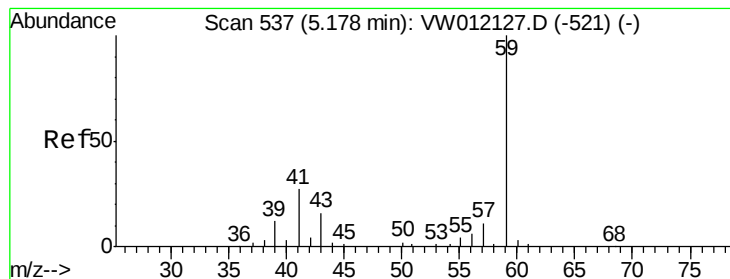
1000

500

0

Time--> 3.60 3.65 3.70 3.75



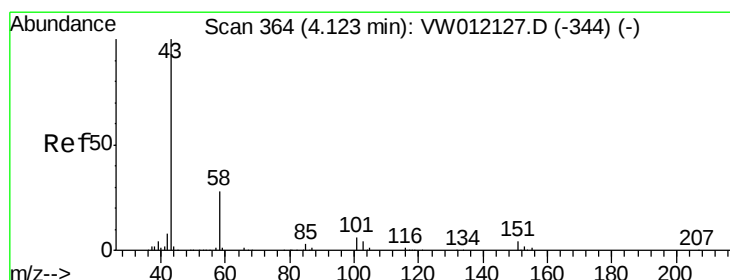
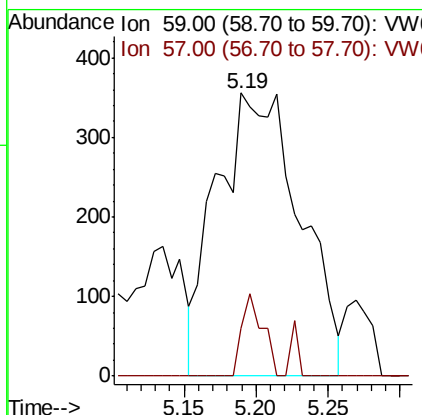
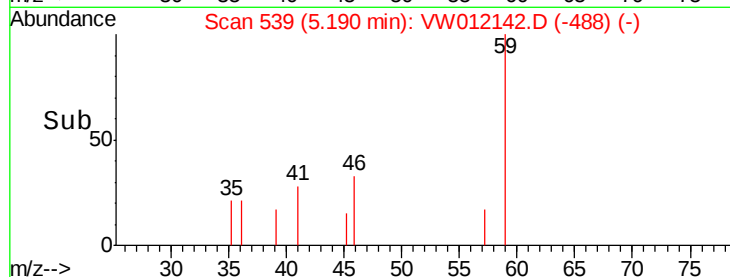
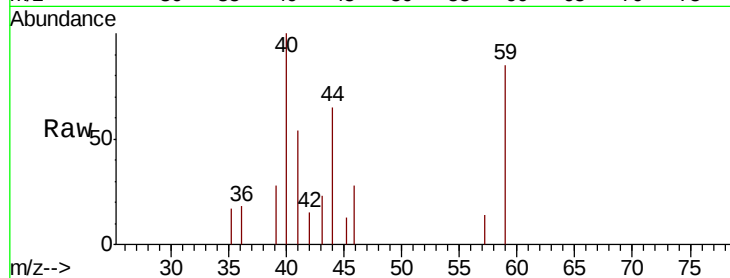


#11

Tert butyl alcohol
 Concen: 9.098 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VW012142.D
 Acq: 23 Aug 2019 19:24

Instrument :
 MSVOA_W
 ClientSampled :
 T1-2-F2-(2.5)

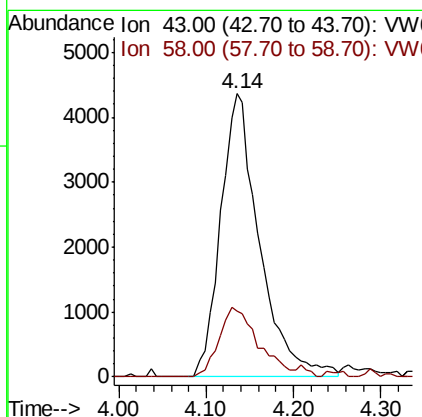
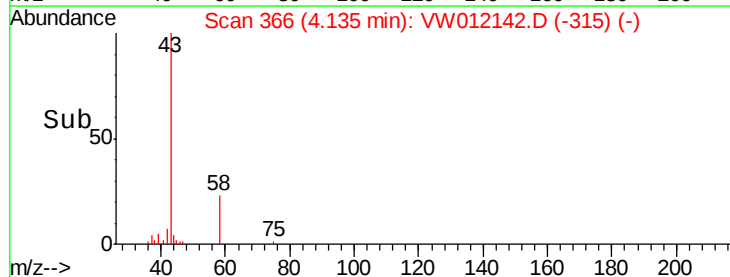
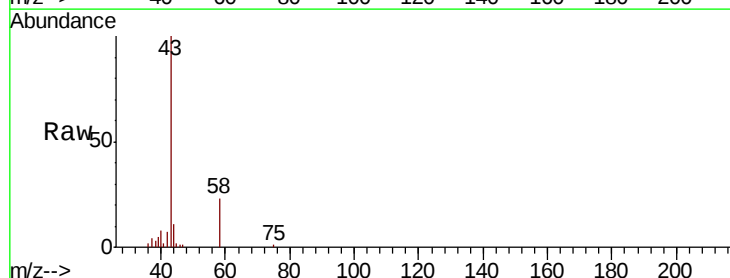
Tgt Ion: 59 Resp: 1433
 Ion Ratio Lower Upper
 59 100
 57 7.3 9.0 13.4#

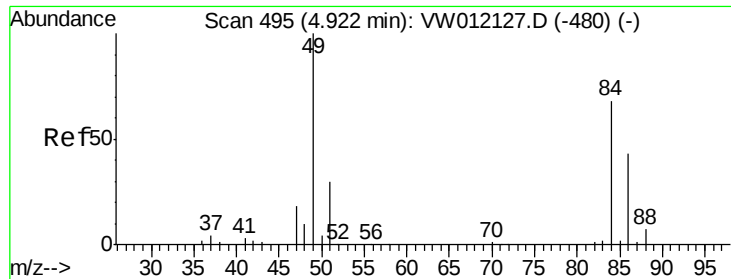


#16

Acetone
 Concen: 20.067 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW012142.D
 Acq: 23 Aug 2019 19:24

Tgt Ion: 43 Resp: 13425
 Ion Ratio Lower Upper
 43 100
 58 23.2 22.4 33.6

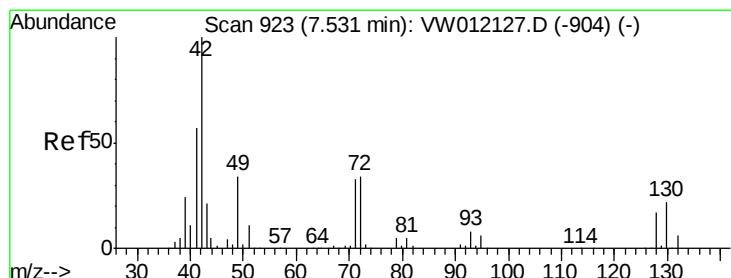
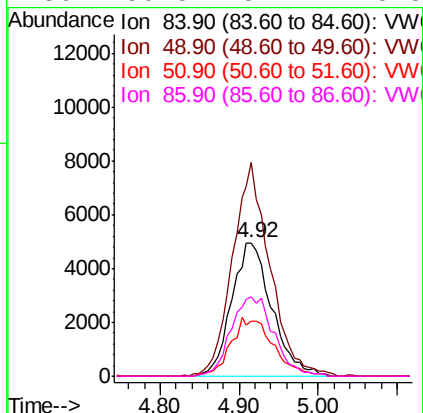
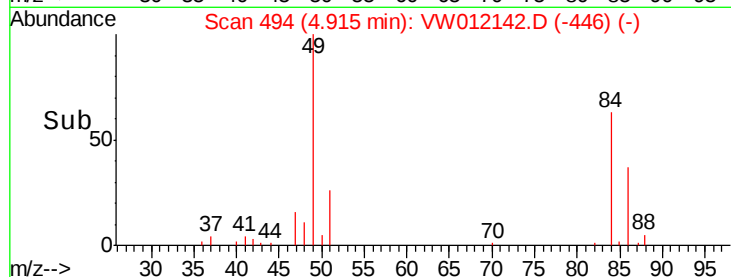
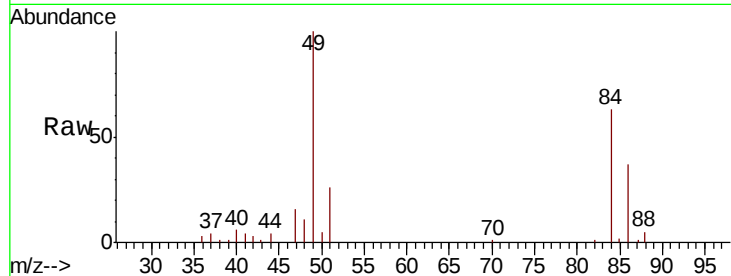




#20
Methylene Chloride
Concen: 6.964 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012142.D
Acq: 23 Aug 2019 19:24

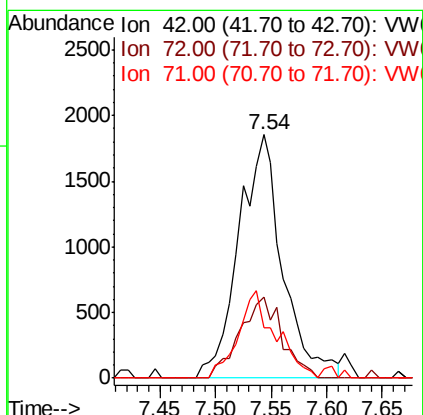
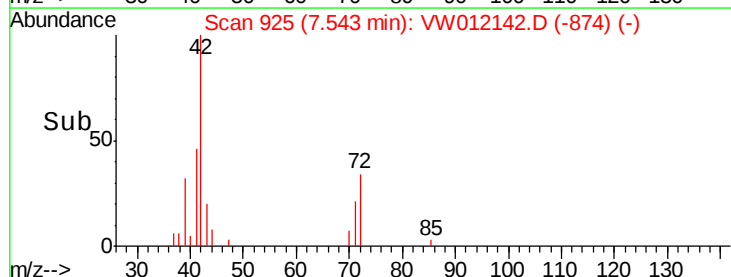
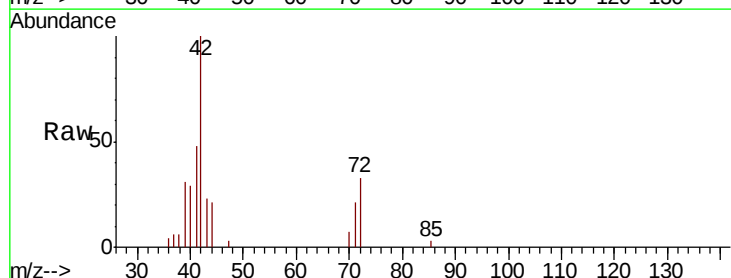
Instrument :
MSVOA_W
ClientSampleId :
T1-2-F2-(2.5)

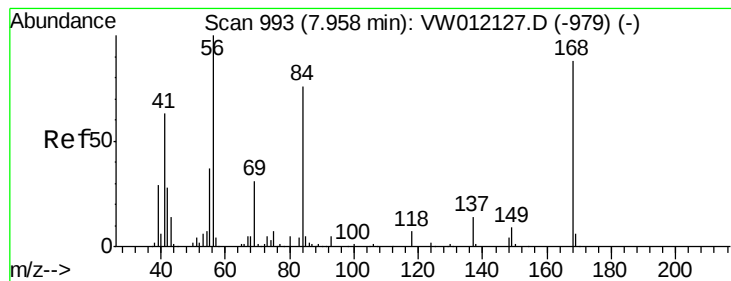
Tgt Ion:	84	Resp:	17613
Ion	Ratio	Lower	Upper
84	100		
49	159.7	117.8	176.8
51	41.4	35.6	53.4
86	59.5	51.2	76.8



#29
Tetrahydrofuran
Concen: 9.266 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012142.D
Acq: 23 Aug 2019 19:24

Tgt Ion:	42	Resp:	5054
Ion	Ratio	Lower	Upper
42	100		
72	32.1	27.3	40.9
71	30.4	25.5	38.3





#31

Cyclohexane

Concen: 1.236 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012142.D

Acq: 23 Aug 2019 19:24

Instrument :

MSVOA_W

ClientSampleId :

T1-2-F2-(2.5)

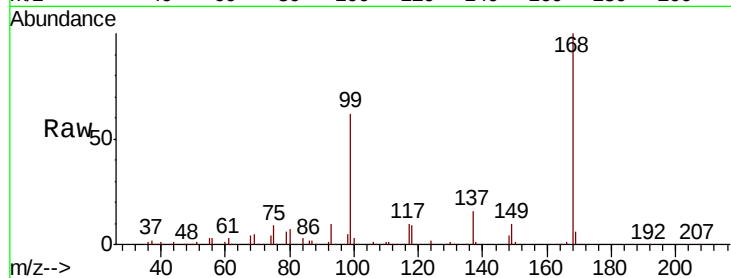
Tgt Ion: 56 Resp: 5827

Ion Ratio Lower Upper

56 100

69 181.6 24.9 37.3#

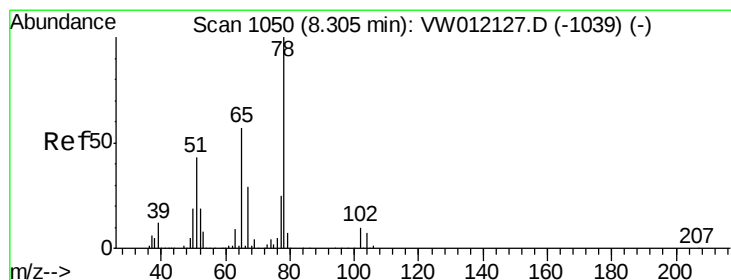
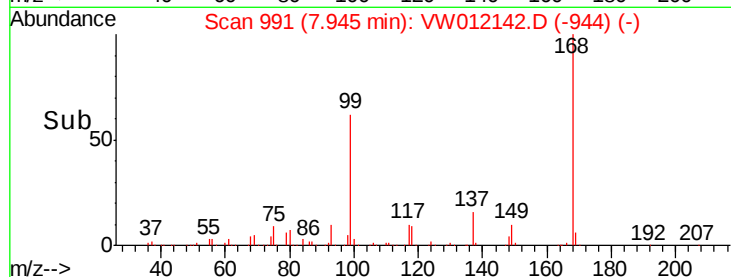
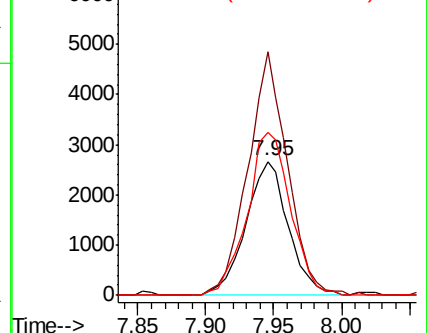
84 121.4 60.6 90.8#



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: 54.827 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012142.D

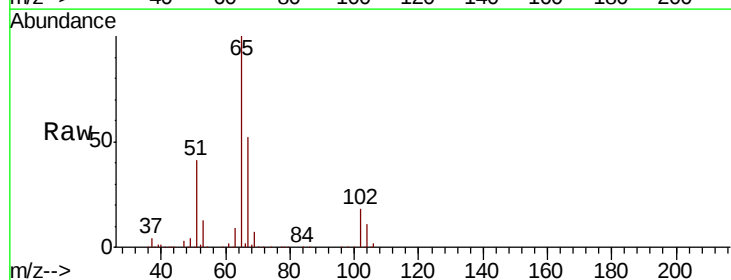
Acq: 23 Aug 2019 19:24

Tgt Ion: 65 Resp: 143495

Ion Ratio Lower Upper

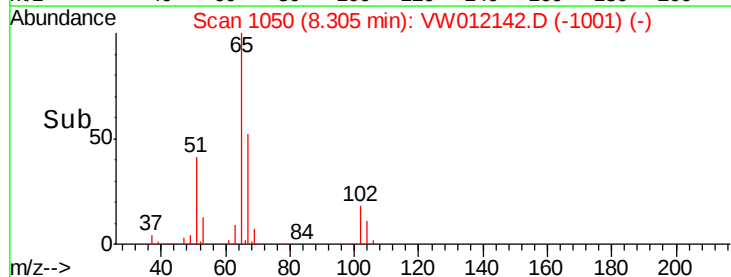
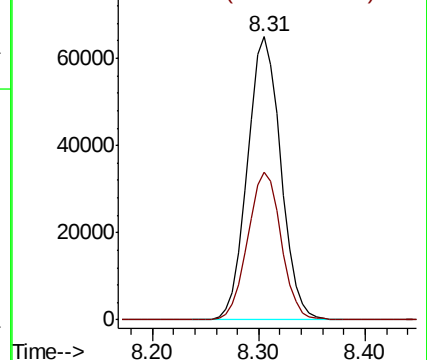
65 100

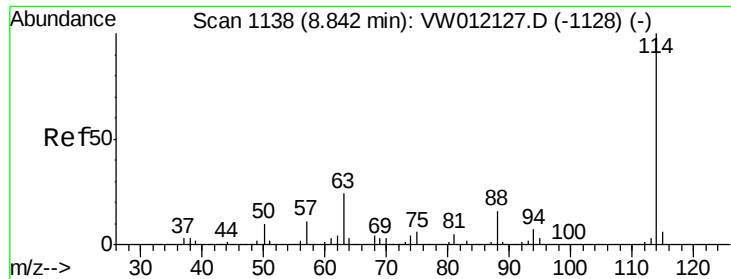
67 52.2 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

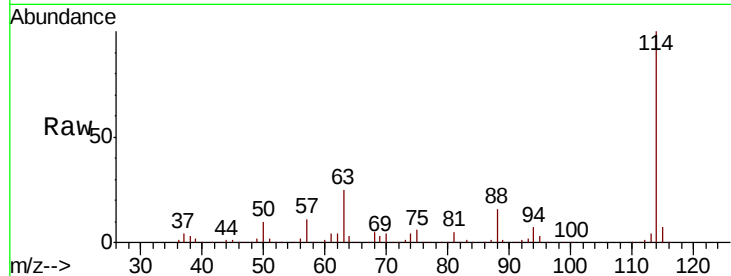




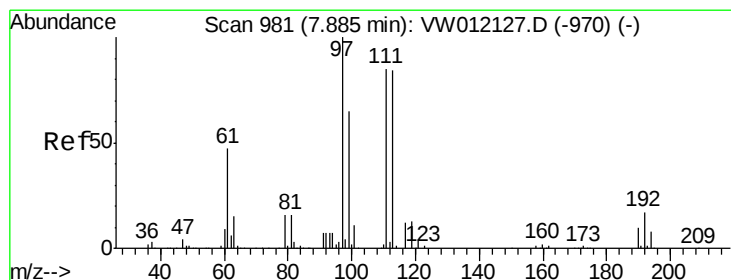
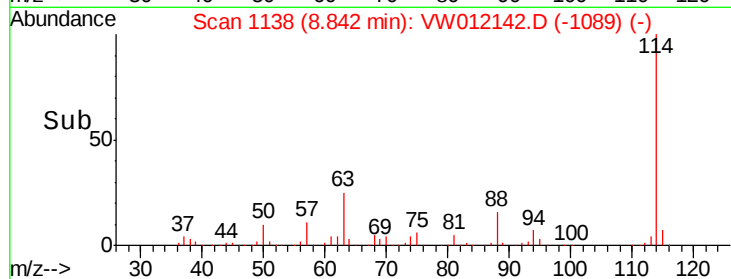
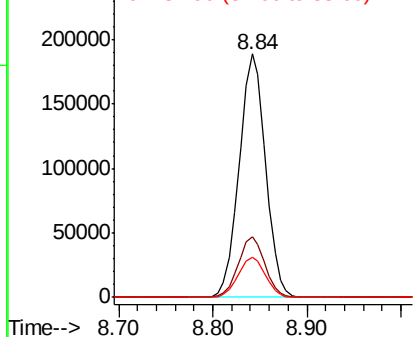
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012142.D
 Acq: 23 Aug 2019 19:24

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-F2-(2.5)

Tgt Ion:114 Resp: 366090
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 48.6
 88 16.4 0.0 32.2

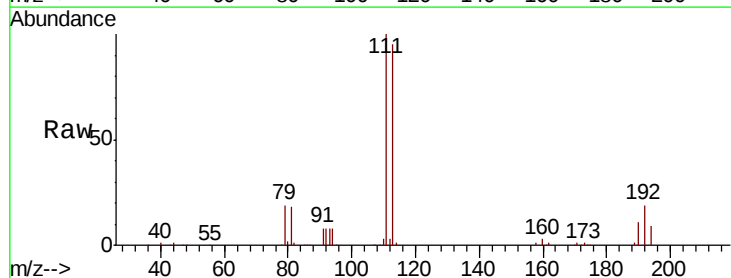


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

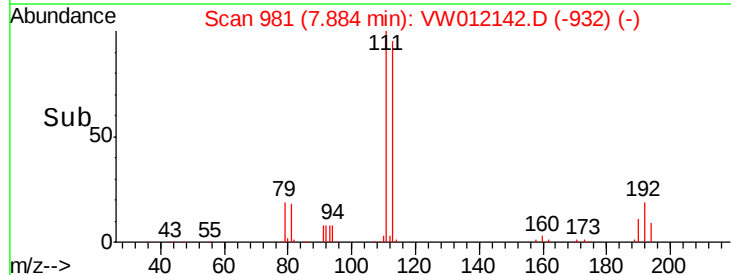
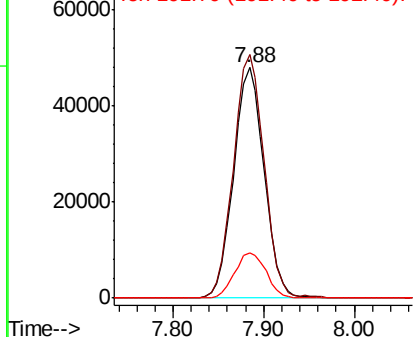


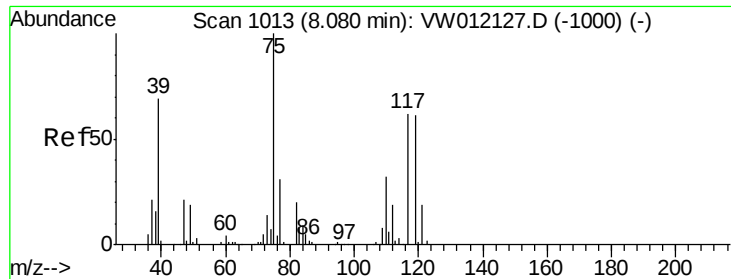
#35
 Dibromofluoromethane
 Concen: 51.306 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012142.D
 Acq: 23 Aug 2019 19:24

Tgt Ion:113 Resp: 112114
 Ion Ratio Lower Upper
 113 100
 111 106.1 82.7 124.1
 192 20.3 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

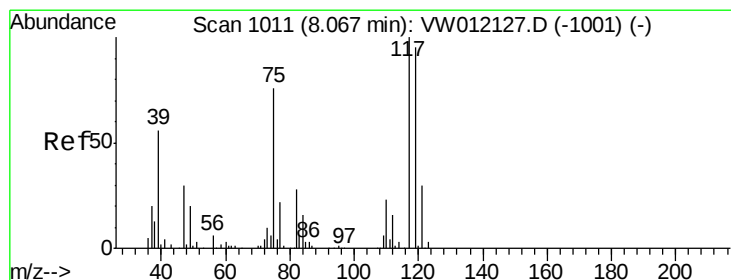
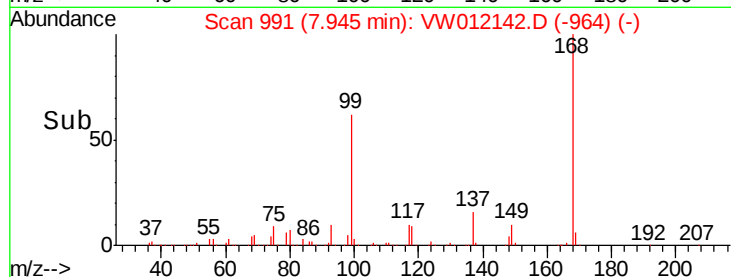
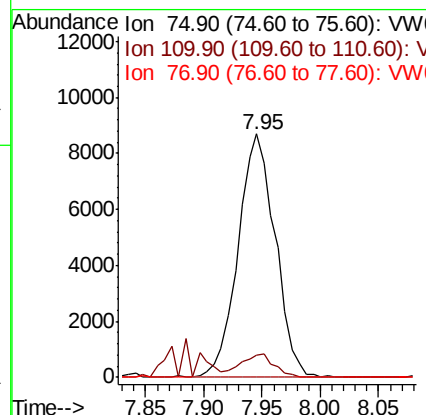
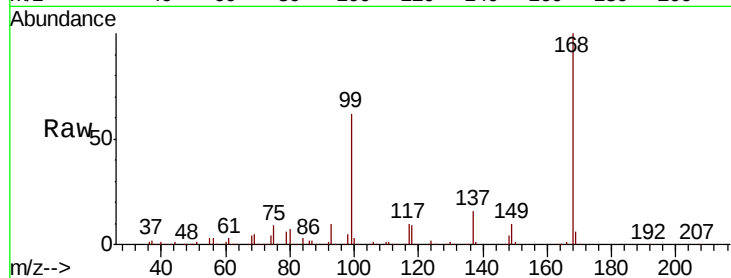




#36
 1,1-Dichloropropene
 Concen: 5.094 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012142.D
 Acq: 23 Aug 2019 19:24

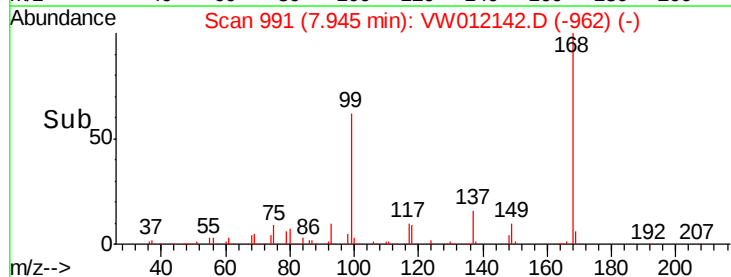
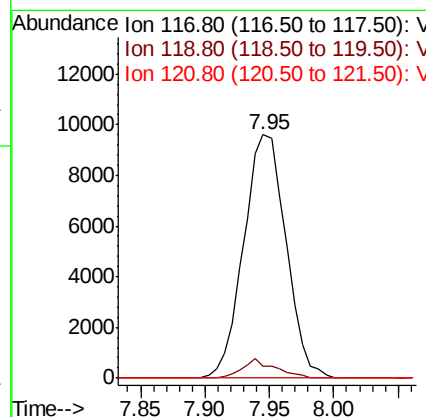
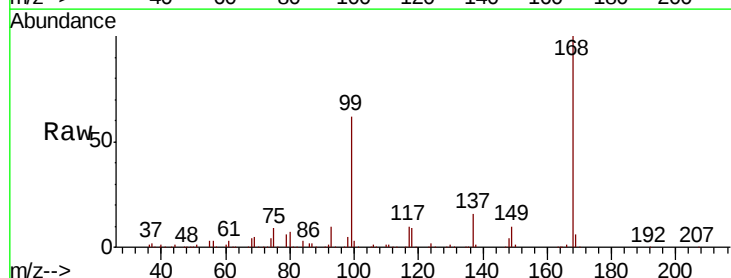
Instrument :
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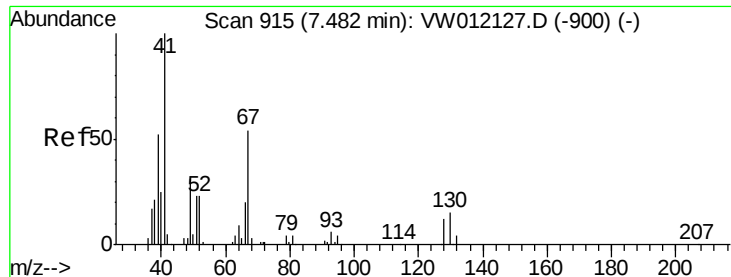
Tgt Ion: 75 Resp: 19270
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.668 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012142.D
 Acq: 23 Aug 2019 19:24

Tgt Ion: 117 Resp: 21832
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.2 114.2#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 2.520 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012142.D

Acq: 23 Aug 2019 19:24

Instrument :

MSVOA_W

ClientSampleId :

T1-2-F2-(2.5)

Tgt Ion: 41 Resp: 3070

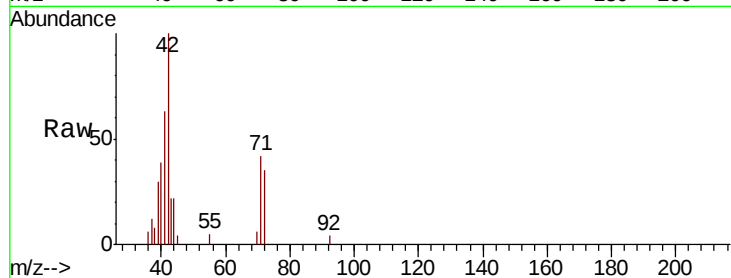
Ion Ratio Lower Upper

41 100

39 56.5 45.8 68.8

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#

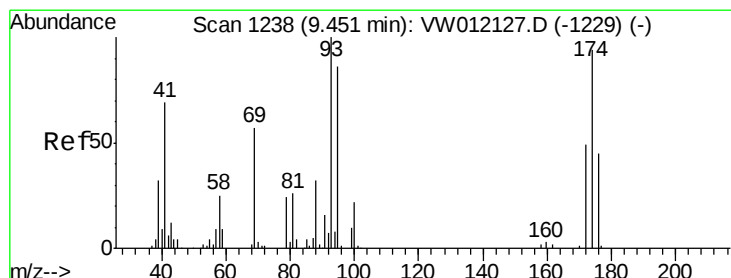
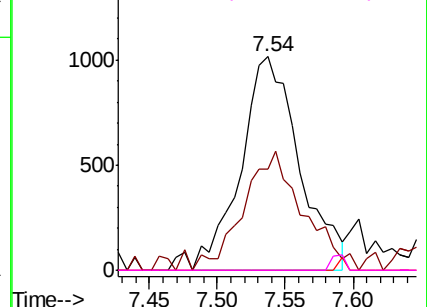
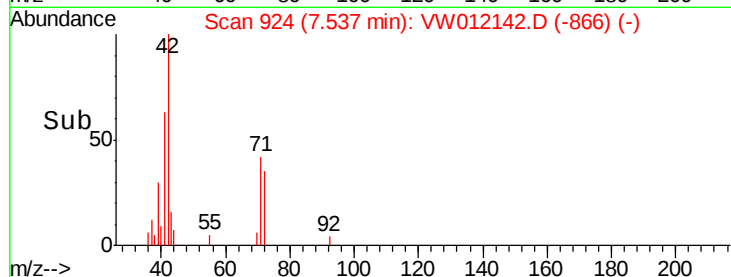


Abundance Ion 41.00 (40.70 to 41.70): VW

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



#49

1,4-Dioxane

Concen: 1.003 ug/l

RT: 9.68 min Scan# 1276

Delta R.T. 0.23 min

Lab File: VW012142.D

Acq: 23 Aug 2019 19:24

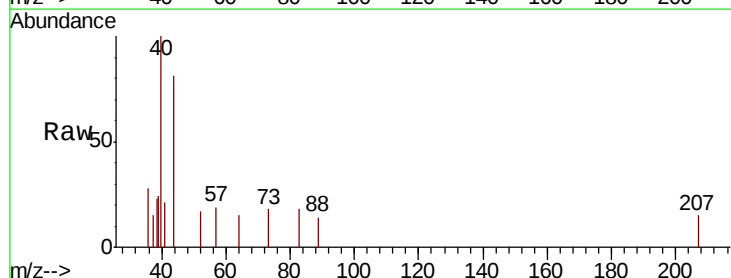
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 436.8 32.9 49.3#

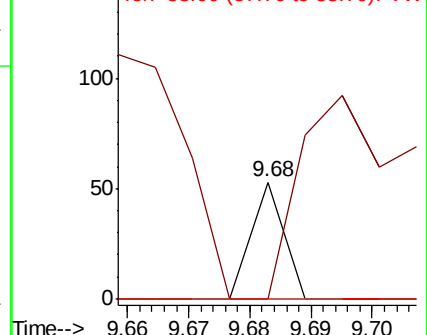
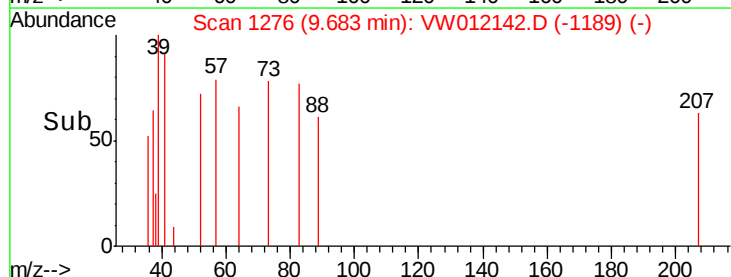
58 0.0 71.0 106.4#

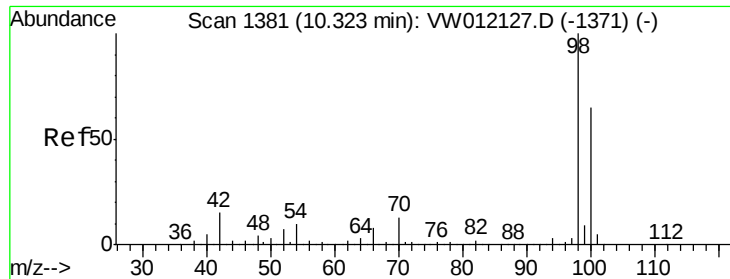


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 50.281 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012142.D

Acq: 23 Aug 2019 19:24

Instrument :

MSVOA_W

ClientSampleId :

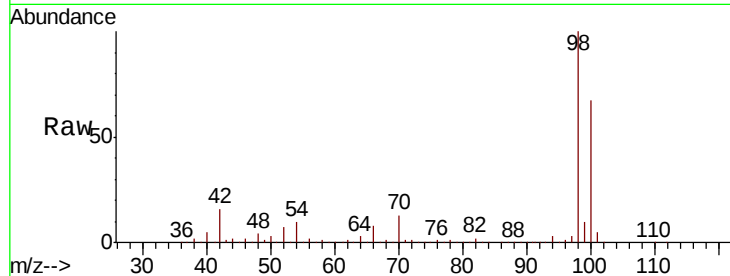
T1-2-F2-(2.5)

Tgt Ion: 98 Resp: 445506

Ion Ratio Lower Upper

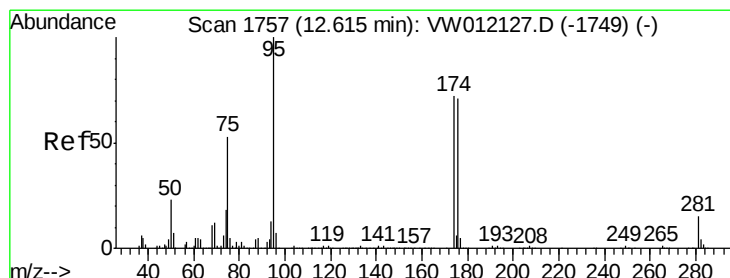
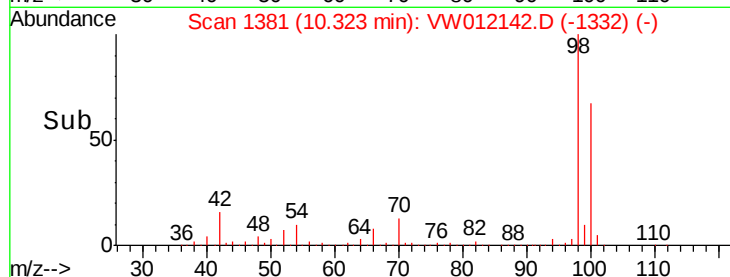
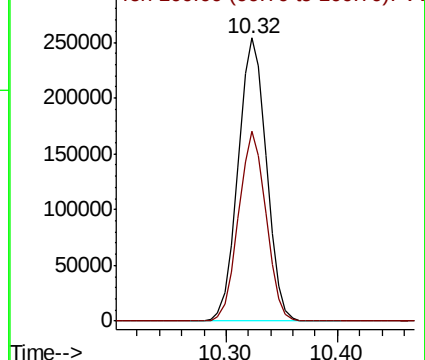
98 100

100 65.4 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: 41.881 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012142.D

Acq: 23 Aug 2019 19:24

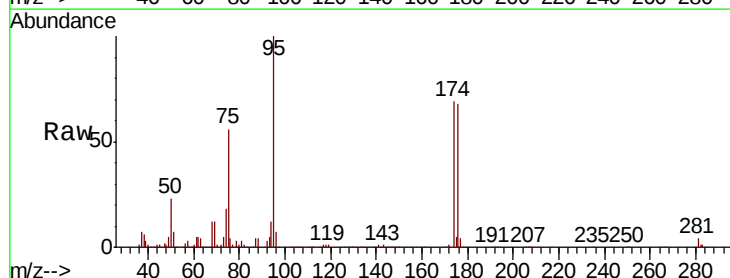
Tgt Ion: 95 Resp: 130806

Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.8

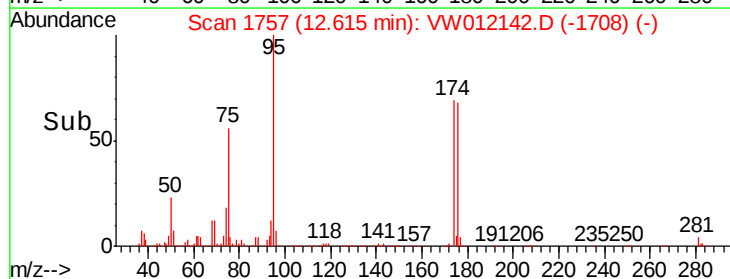
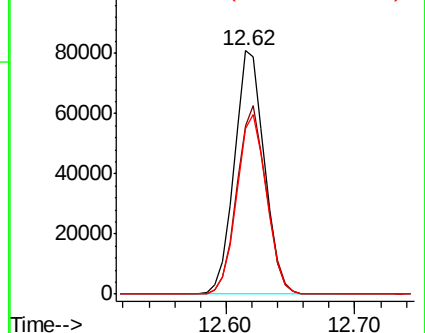
176 73.4 0.0 148.6

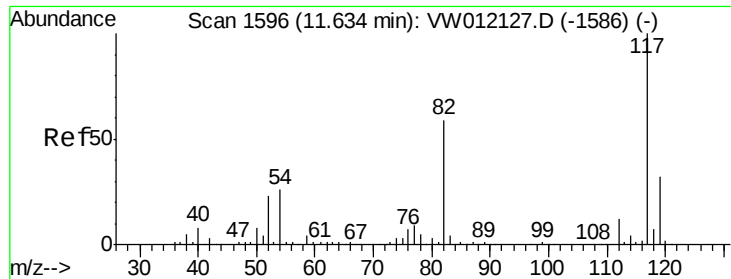


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

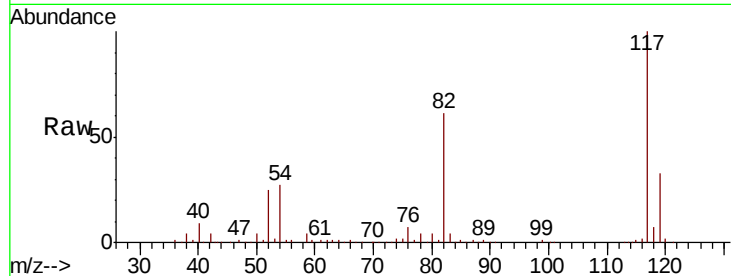




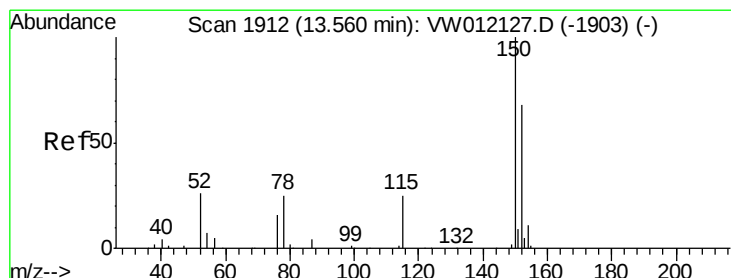
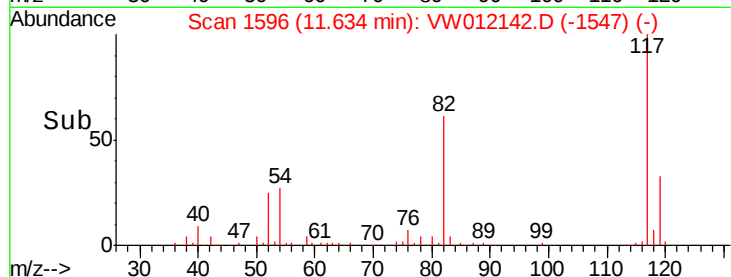
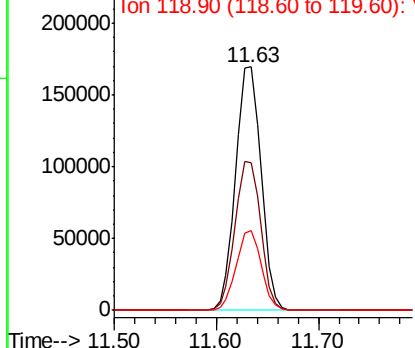
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012142.D
Acq: 23 Aug 2019 19:24

Instrument :
MSVOA_W
ClientSampleId :
T1-2-F2-(2.5)

Tgt Ion:117 Resp: 293294
Ion Ratio Lower Upper
117 100
82 60.9 47.4 71.2
119 32.7 25.4 38.2

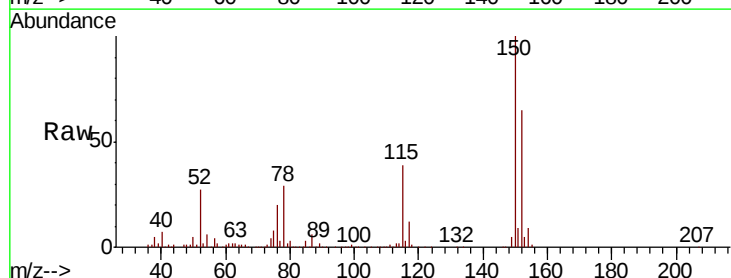


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

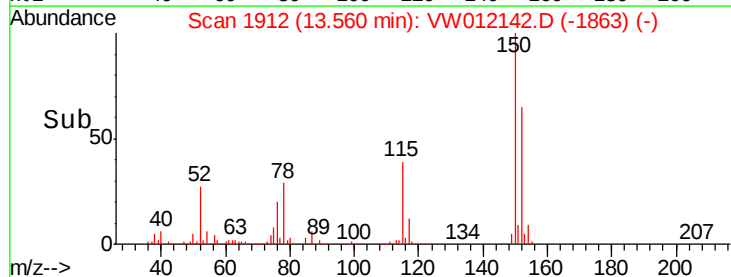
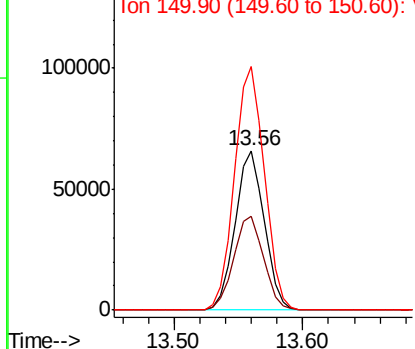


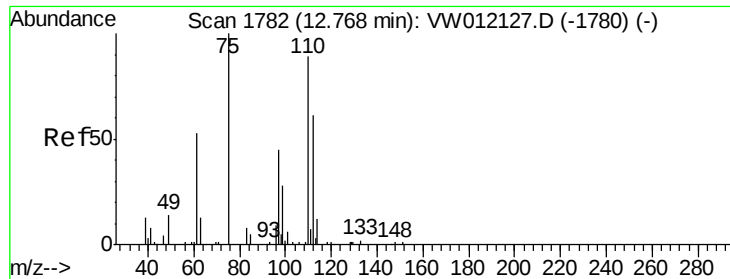
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012142.D
Acq: 23 Aug 2019 19:24

Tgt Ion:152 Resp: 103491
Ion Ratio Lower Upper
152 100
115 61.0 30.1 90.3
150 156.9 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: 70.253 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012142.D

Acq: 23 Aug 2019 19:24

Instrument :

MSVOA_W

ClientSampled :

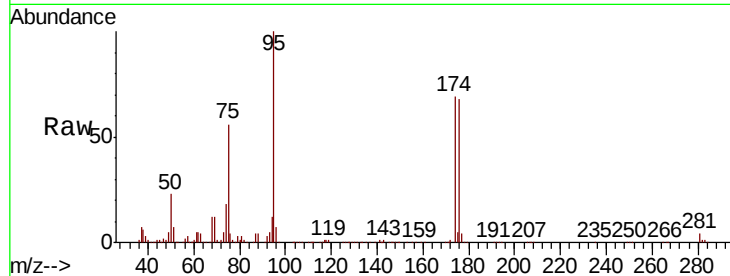
T1-2-F2-(2.5)

Tgt Ion: 75 Resp: 70810

Ion Ratio Lower Upper

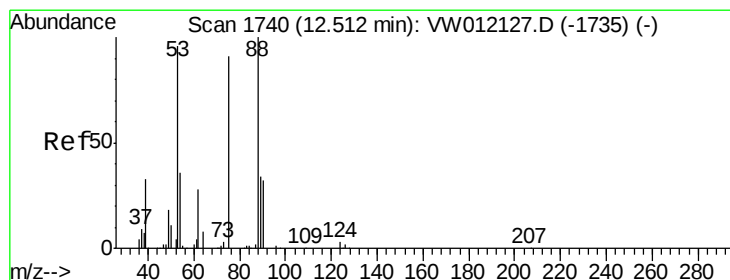
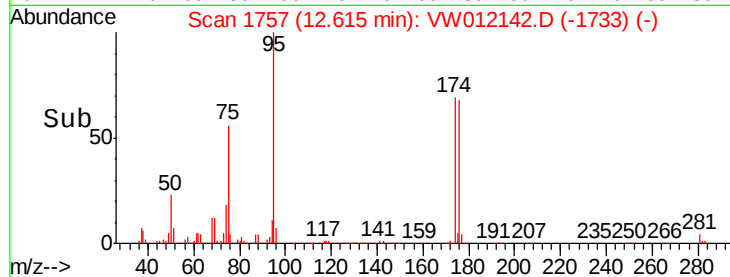
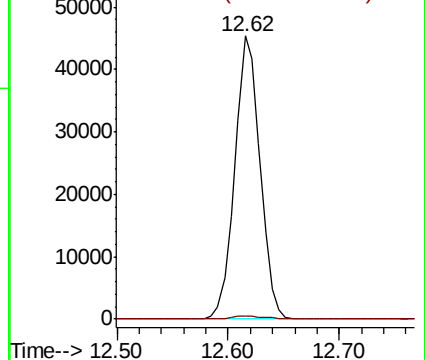
75 100

77 1.3 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: 154.032 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012142.D

Acq: 23 Aug 2019 19:24

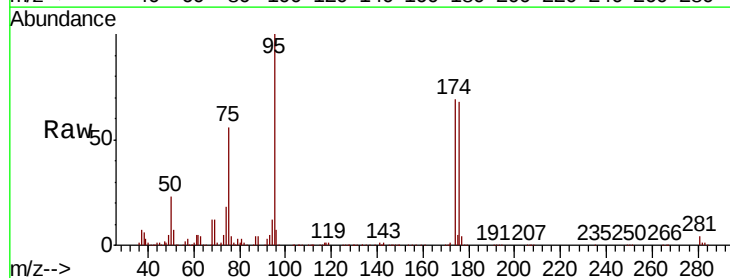
Tgt Ion: 75 Resp: 70810

Ion Ratio Lower Upper

75 100

53 0.3 89.4 134.0#

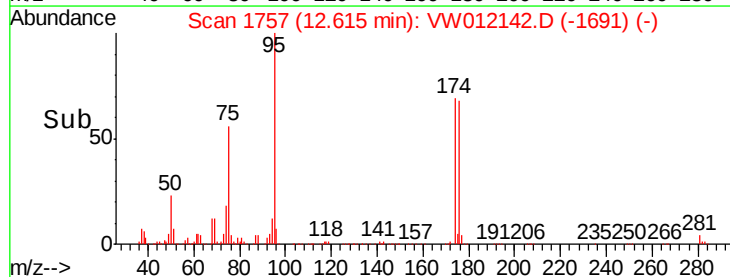
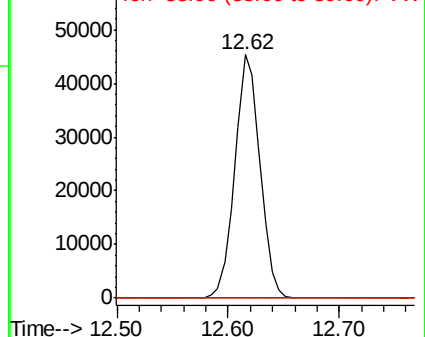
89 0.0 34.5 51.7#

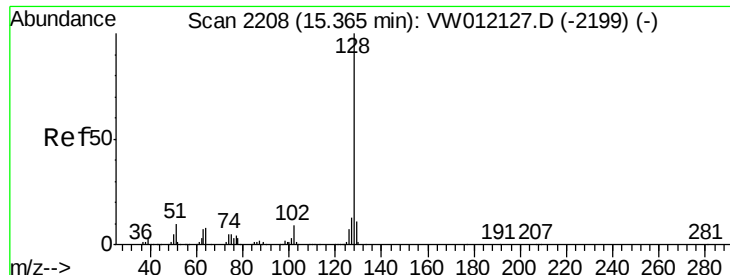


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

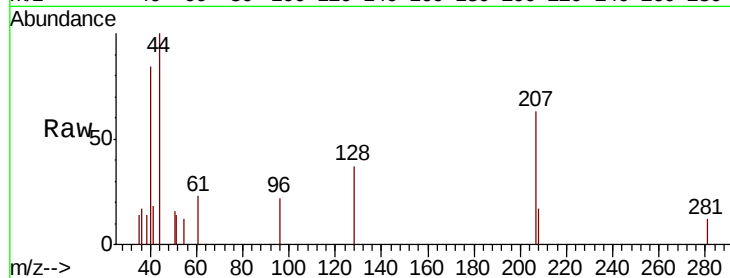




#95
Naphthalene
Concen: 4.381 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012142.D
Acq: 23 Aug 2019 19:24

Instrument :
MSVOA_W
ClientSampleId :
T1-2-F2-(2.5)

Tgt 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

