

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012237.D
 Acq On : 28 Aug 2019 06:16
 Operator : SY/VA
 Sample : K4472-09
 Misc : 5.73G/5ML/MSVOA_W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T2-S1(0)

Quant Time: Aug 28 07:28:46 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	285117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	462365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	351538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	110687	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	169838	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
35) Dibromofluoromethane	7.88	113	140146	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
50) Toluene-d8	10.32	98	555671	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.62	95	150242	38.09	ug/l	0.00
Spiked Amount			Recovery	=	76.18%	

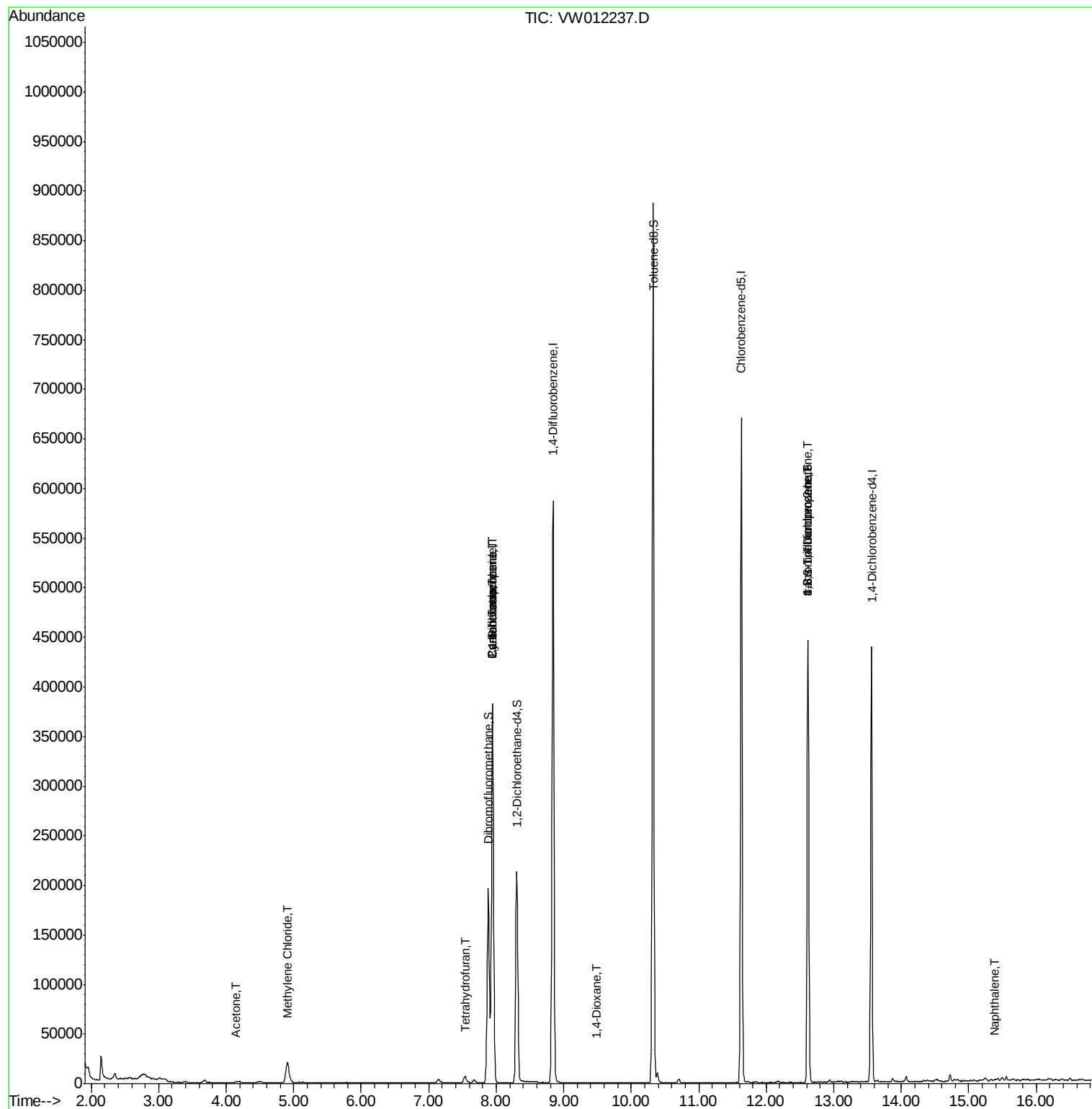
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	1299	1.499	ug/l	90
20) Methylene Chloride	4.92	84	14958	4.567	ug/l	90
29) Tetrahydrofuran	7.54	42	5977	8.462	ug/l	98
31) Cyclohexane	7.94	56	7132	1.168	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	24028	5.029	ug/l #	52
38) Carbon Tetrachloride	7.94	117	28366	6.859	ug/l #	16
49) 1,4-Dioxane	9.49	88	50	2.091	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	80296	74.485	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	80296	163.312	ug/l #	6
95) Naphthalene	15.37	128	366	4.401	ug/l #	78

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

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012237.D

Acq: 28 Aug 2019 06:16

Instrument :

MSVOA_W

ClientSampled :

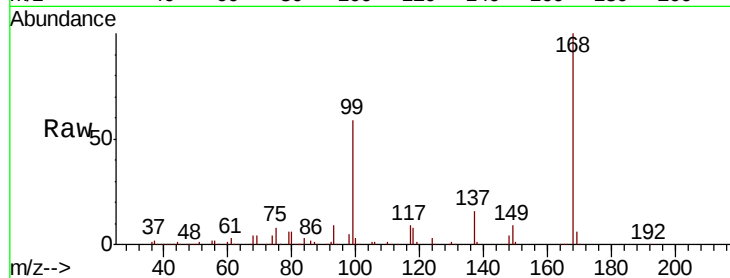
T2-S1(0)

Tgt Ion:168 Resp: 285117

Ion Ratio Lower Upper

168 100

99 59.2 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

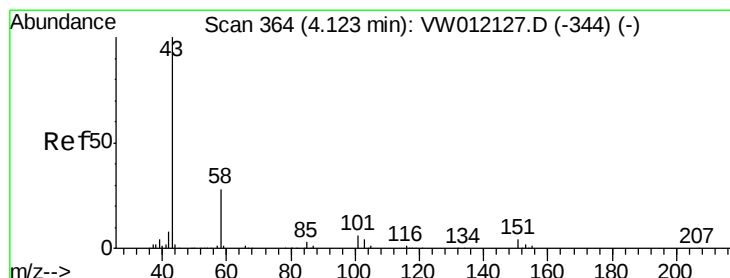
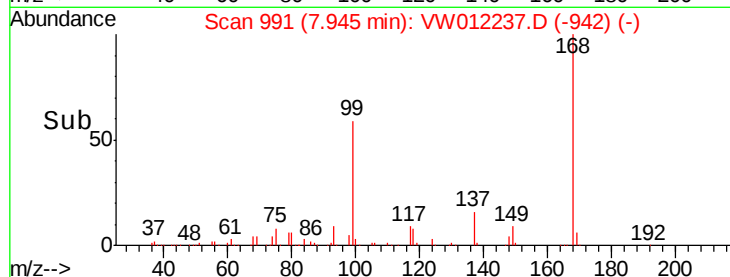
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 1.499 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012237.D

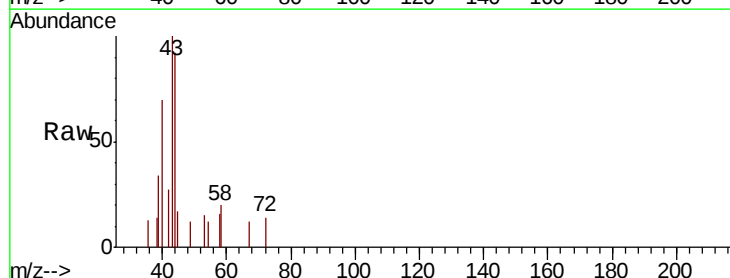
Acq: 28 Aug 2019 06:16

Tgt Ion: 43 Resp: 1299

Ion Ratio Lower Upper

43 100

58 22.8 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

500

400

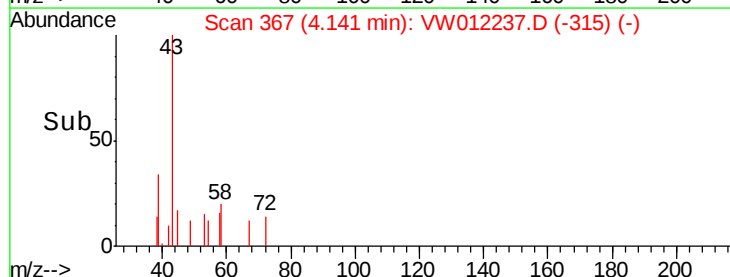
300

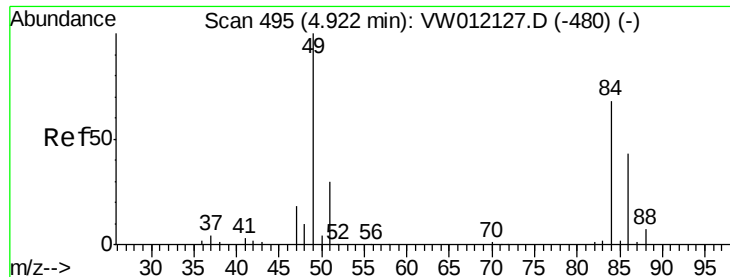
200

100

0

Time--> 4.05 4.10 4.15 4.20

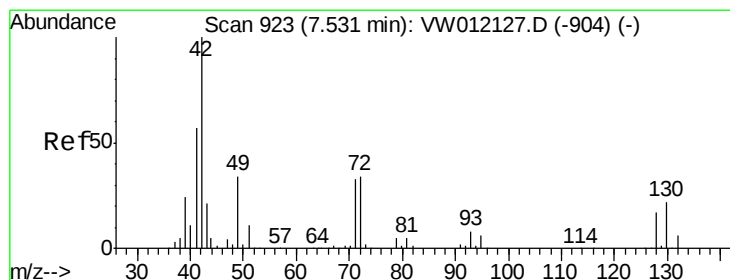
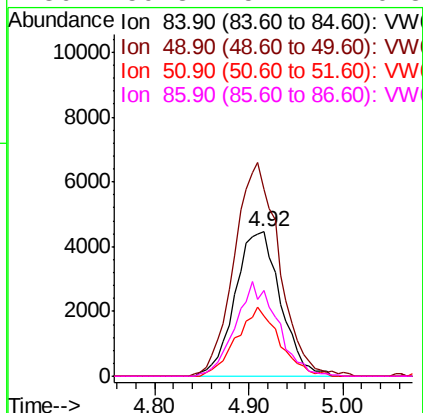
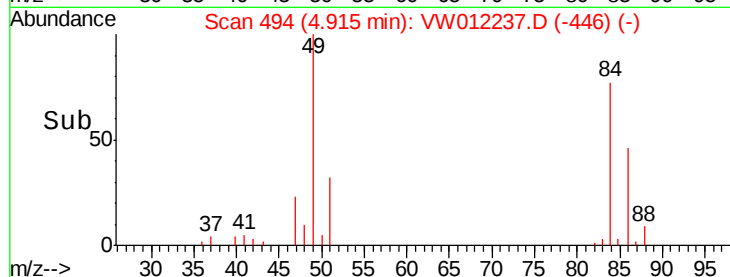
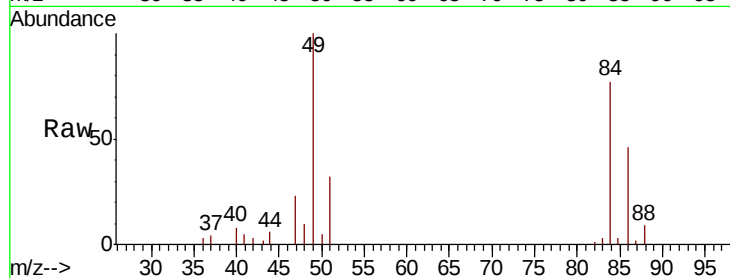




#20
Methylene Chloride
Concen: 4.567 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012237.D
Acq: 28 Aug 2019 06:16

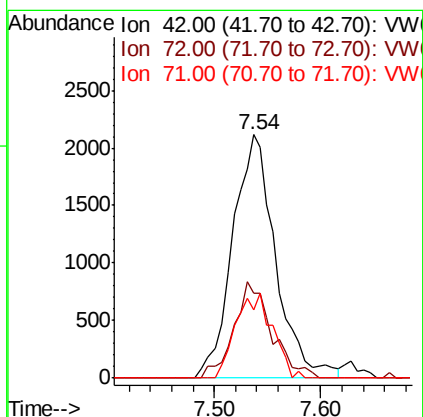
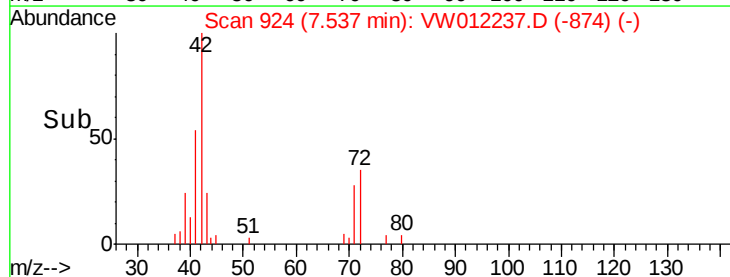
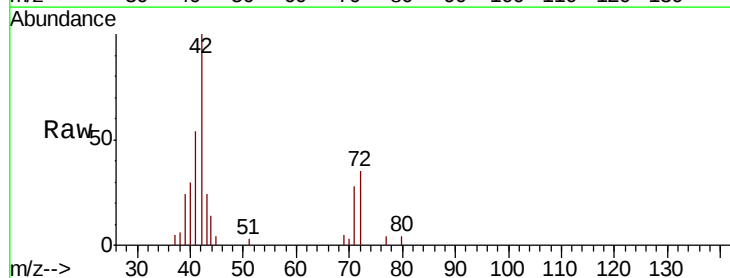
Instrument :
MSVOA_W
ClientSampleId :
T2-S1(0)

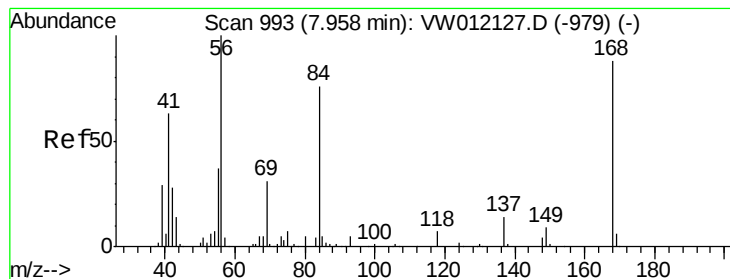
Tgt Ion:	84	Resp:	14958
Ion	Ratio	Lower	Upper
84	100		
49	129.4	117.8	176.8
51	42.0	35.6	53.4
86	59.3	51.2	76.8



#29
Tetrahydrofuran
Concen: 8.462 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012237.D
Acq: 28 Aug 2019 06:16

Tgt Ion:	42	Resp:	5977
Ion	Ratio	Lower	Upper
42	100		
72	34.8	27.3	40.9
71	29.9	25.5	38.3





#31

Cyclohexane

Concen: 1.168 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012237.D

Acq: 28 Aug 2019 06:16

Instrument :
MSVOA_W
ClientSampleId :
T2-S1(0)

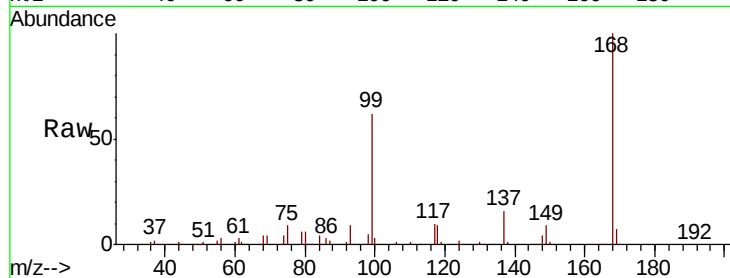
Tgt Ion: 56 Resp: 7132

Ion Ratio Lower Upper

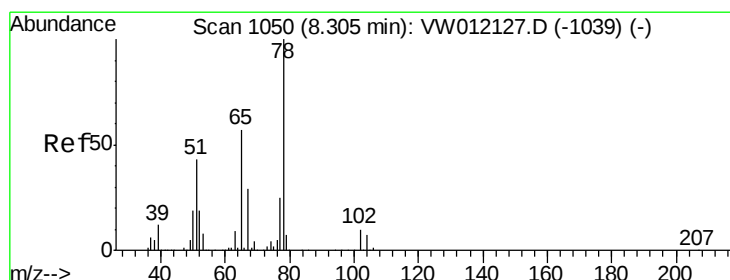
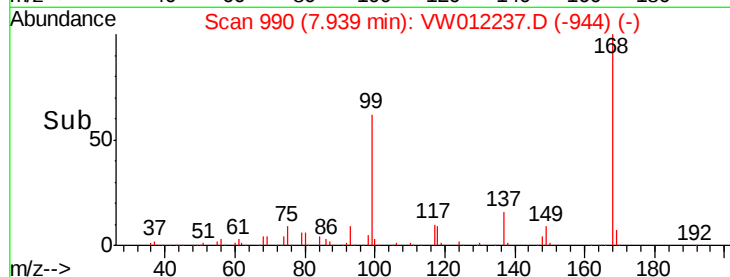
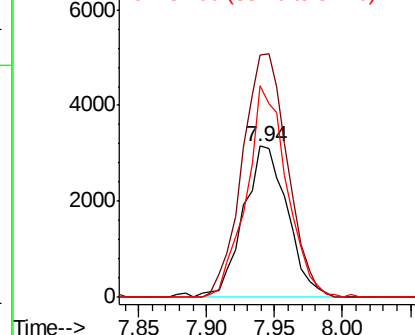
56 100

69 159.8 24.9 37.3#

84 140.1 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: 50.109 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012237.D

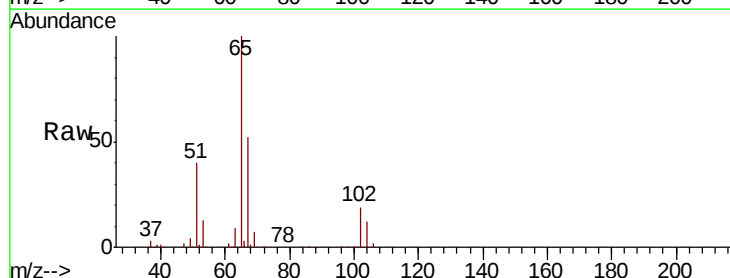
Acq: 28 Aug 2019 06:16

Tgt Ion: 65 Resp: 169838

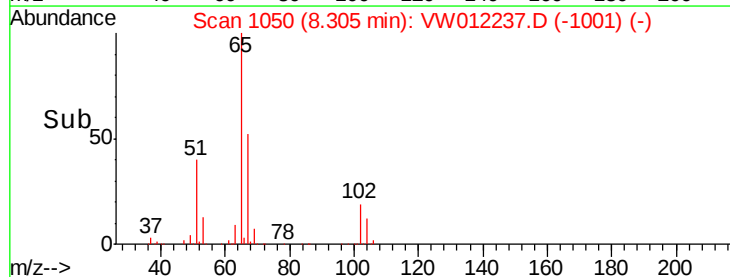
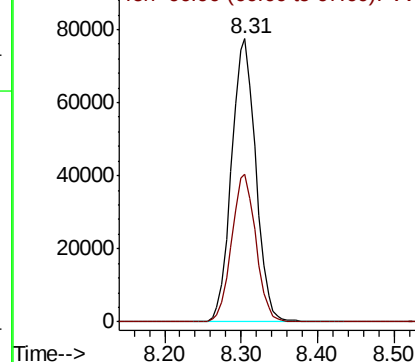
Ion Ratio Lower Upper

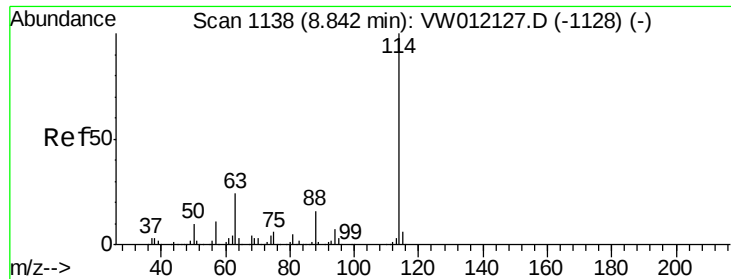
65 100

67 52.1 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: VW012237.D

Acq: 28 Aug 2019 06:16

Instrument :

MSVOA_W

ClientSampleId :

T2-S1(0)

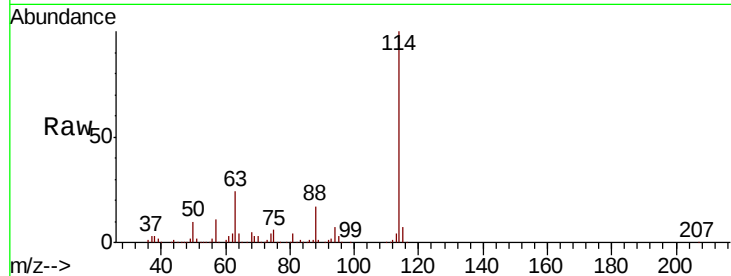
Tgt Ion:114 Resp: 462365

Ion Ratio Lower Upper

114 100

63 24.2 0.0 48.6

88 16.7 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

300000

250000

200000

150000

100000

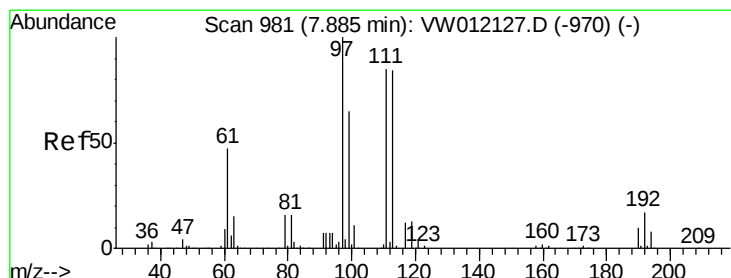
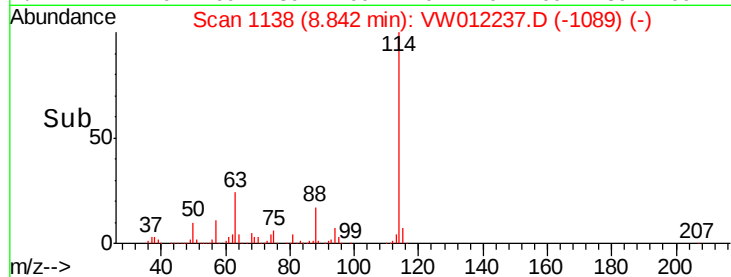
50000

0

8.84

8.70 8.80 8.90 9.00

Time-->



#35

Dibromofluoromethane

Concen: 50.780 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012237.D

Acq: 28 Aug 2019 06:16

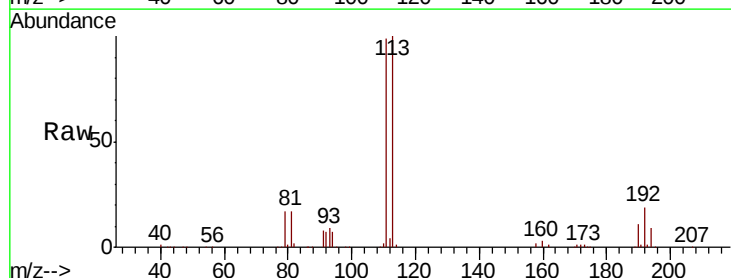
Tgt Ion:113 Resp: 140146

Ion Ratio Lower Upper

113 100

111 103.0 82.7 124.1

192 20.2 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

80000

60000

40000

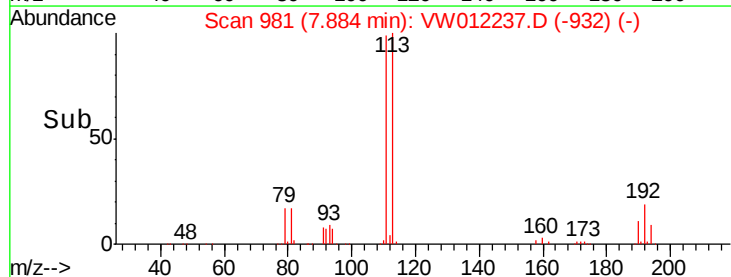
20000

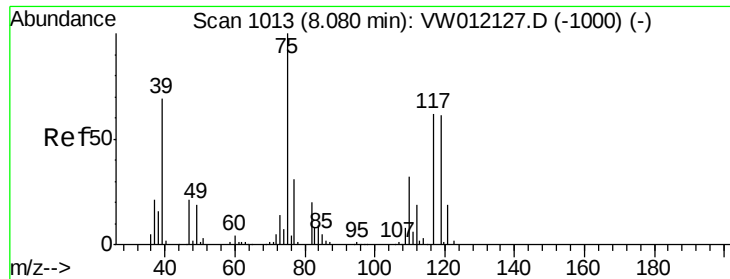
0

7.88

7.80 7.90 8.00

Time-->

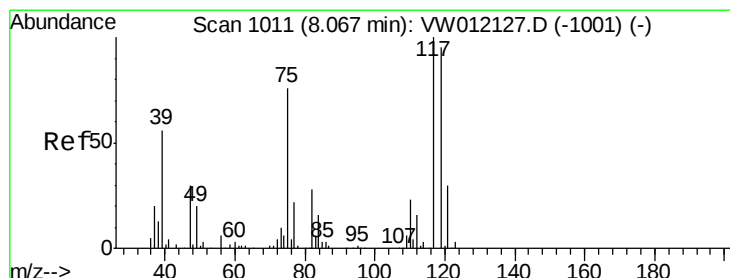
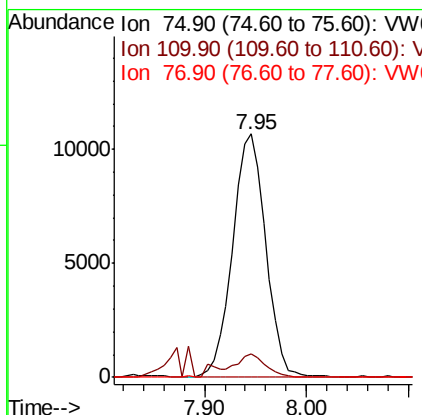
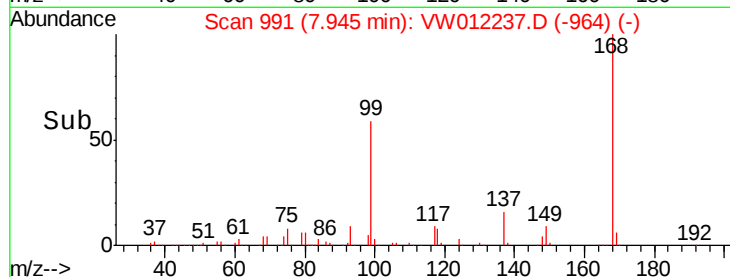
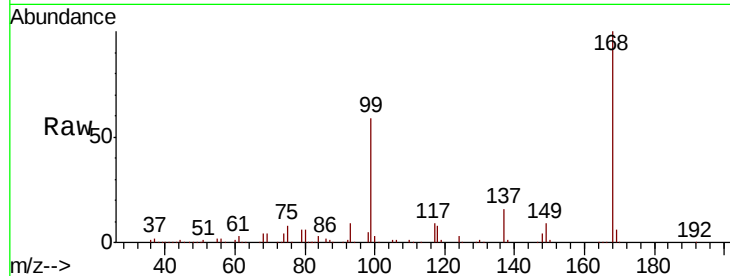




#36
 1,1-Dichloropropene
 Concen: 5.029 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012237.D
 Acq: 28 Aug 2019 06:16

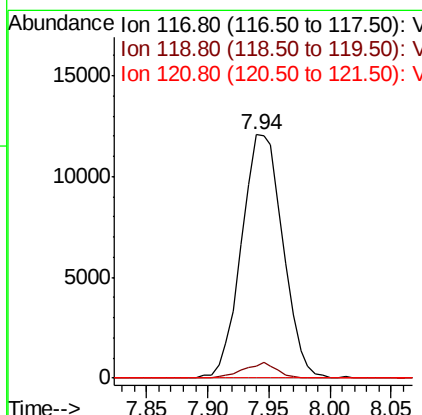
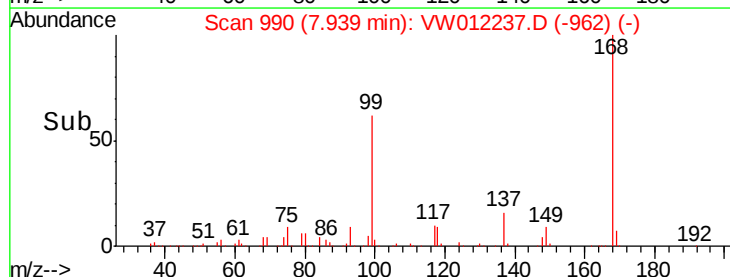
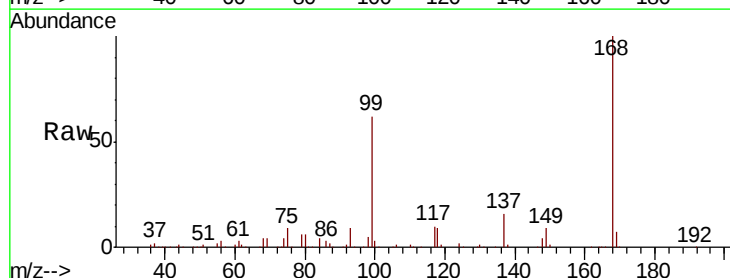
Instrument :
 MSVOA_W
 ClientSampleId :
 T2-S1(0)

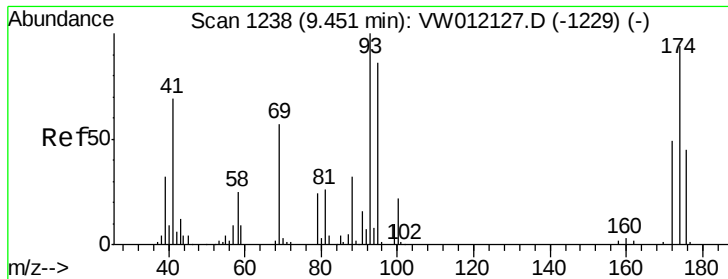
Tgt Ion: 75 Resp: 24028
 Ion Ratio Lower Upper
 75 100
 110 8.7 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.859 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012237.D
 Acq: 28 Aug 2019 06:16

Tgt Ion: 117 Resp: 28366
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.2 114.2#
 121 0.0 23.8 35.8#





#49

1,4-Dioxane

Concen: 2.091 ug/l

RT: 9.49 min Scan# 1245

Delta R.T. 0.04 min

Lab File: VW012237.D

Acq: 28 Aug 2019 06:16

Instrument :

MSVOA_W

ClientSampleId :

T2-S1(0)

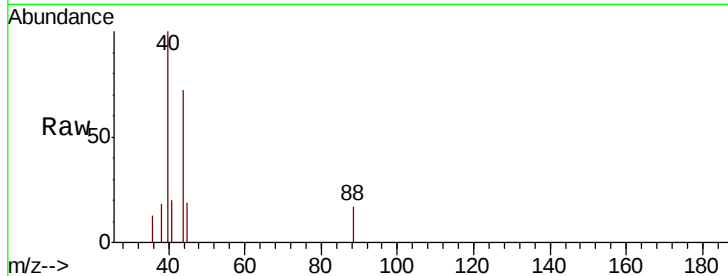
Tgt Ion: 88 Resp: 50

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

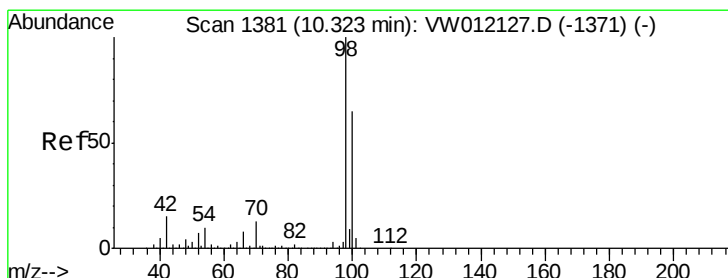
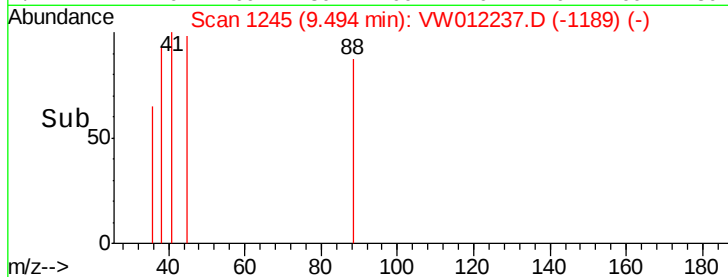
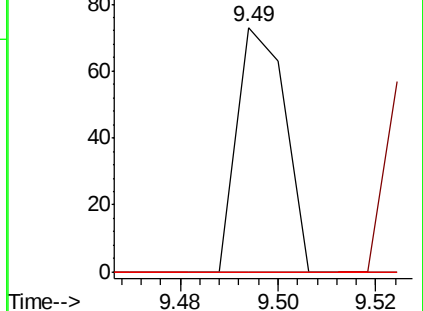
58 0.0 71.0 106.4#



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: 49.656 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012237.D

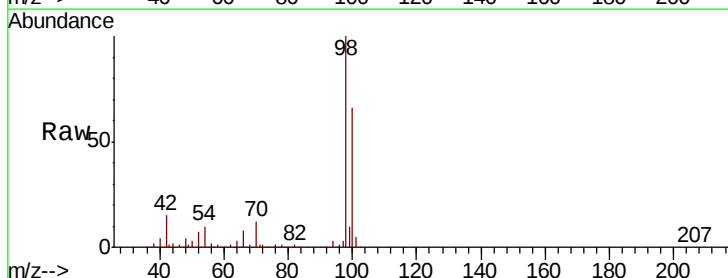
Acq: 28 Aug 2019 06:16

Tgt Ion: 98 Resp: 555671

Ion Ratio Lower Upper

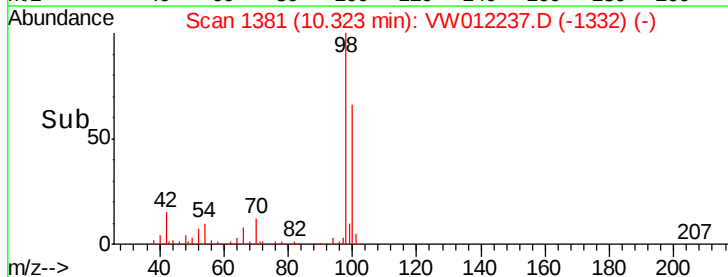
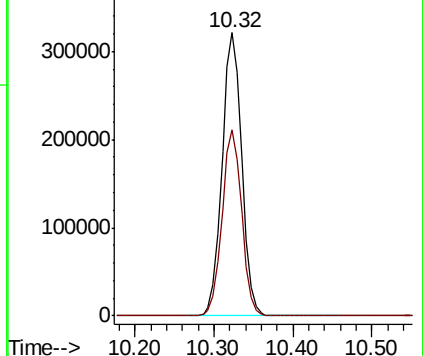
98 100

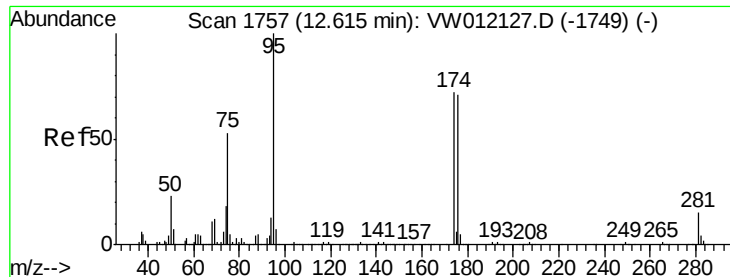
100 65.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 38.088 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012237.D

Acq: 28 Aug 2019 06:16

Instrument :

MSVOA_W

ClientSampleId :

T2-S1(0)

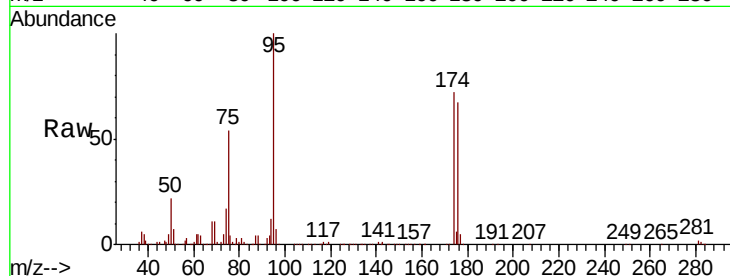
Tgt Ion: 95 Resp: 150242

Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.8

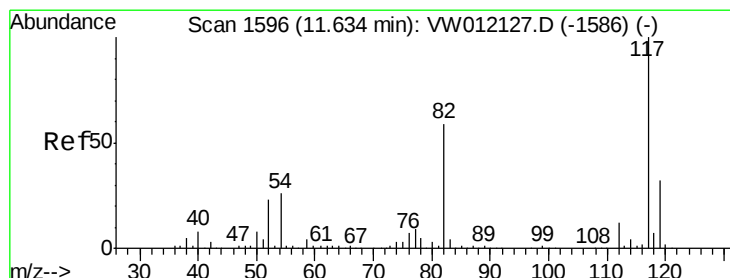
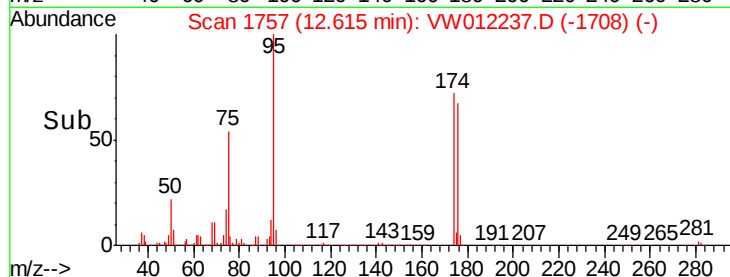
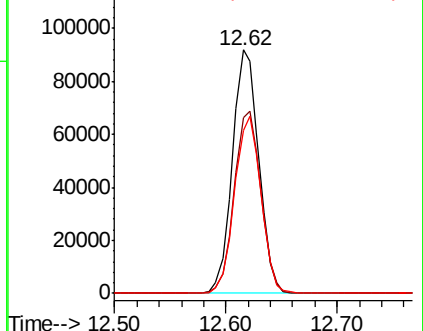
176 72.8 0.0 148.6



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: VW012237.D

Acq: 28 Aug 2019 06:16

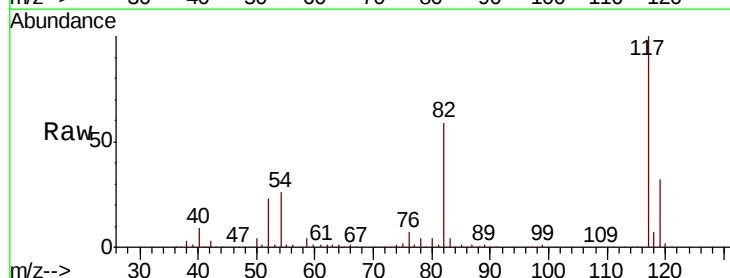
Tgt Ion: 117 Resp: 351538

Ion Ratio Lower Upper

117 100

82 59.0 47.4 71.2

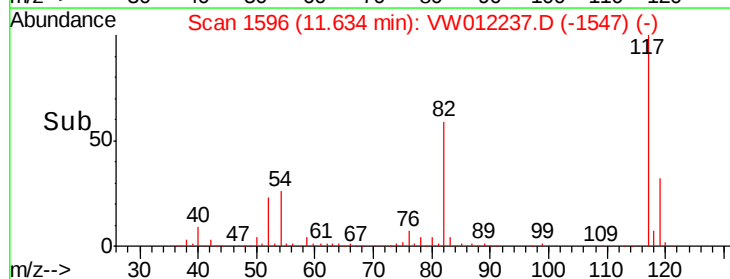
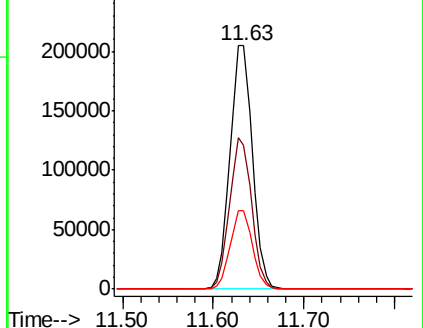
119 32.3 25.4 38.2

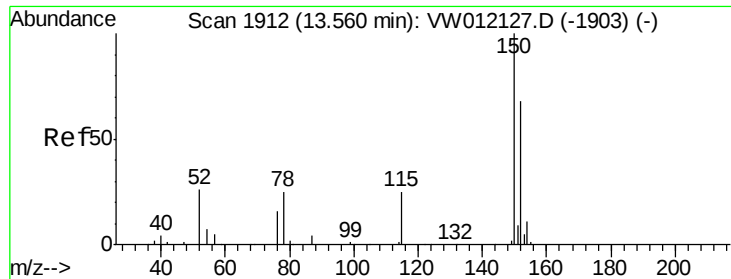


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW012237.D

Acq: 28 Aug 2019 06:16

Instrument :

MSVOA_W

ClientSampleId :

T2-S1(0)

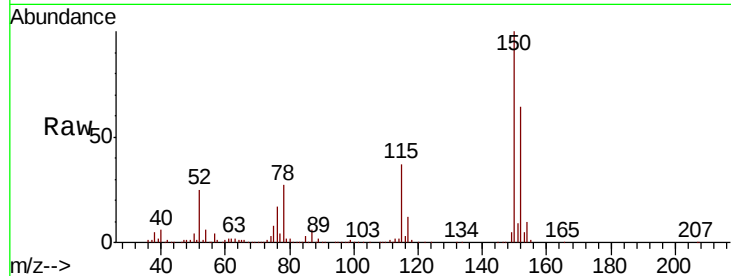
Tgt Ion:152 Resp: 110687

Ion Ratio Lower Upper

152 100

115 60.4 30.1 90.3

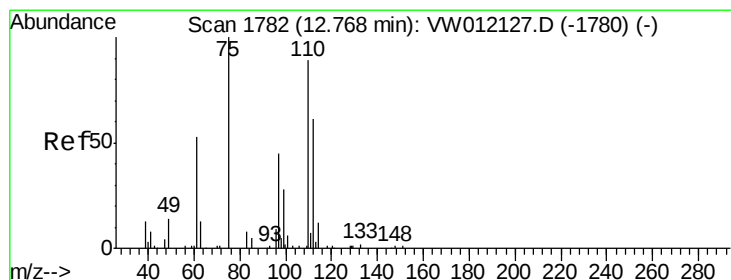
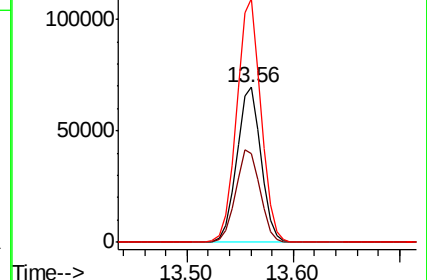
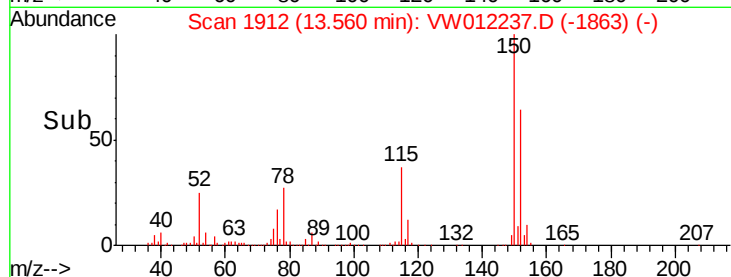
150 157.2 0.0 345.8



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: 74.485 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012237.D

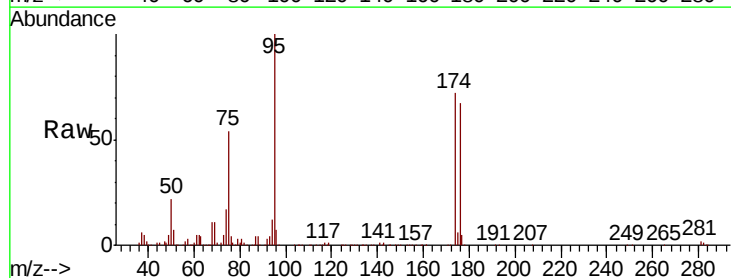
Acq: 28 Aug 2019 06:16

Tgt Ion: 75 Resp: 80296

Ion Ratio Lower Upper

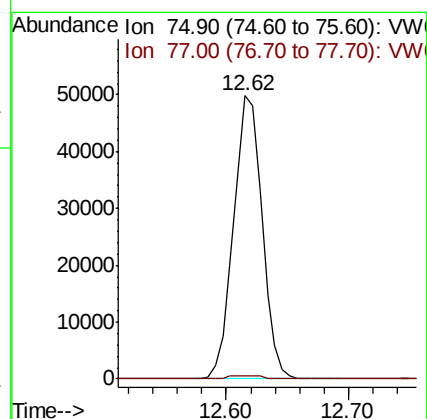
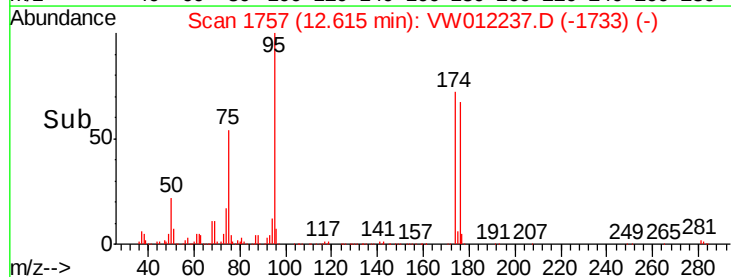
75 100

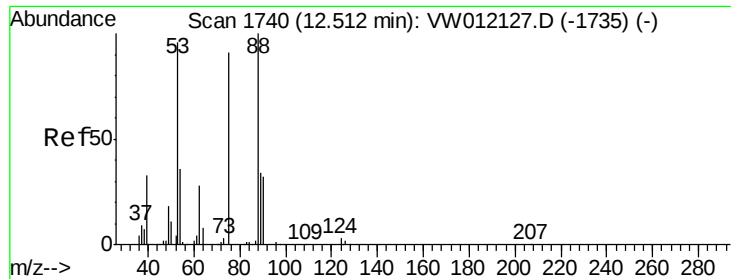
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

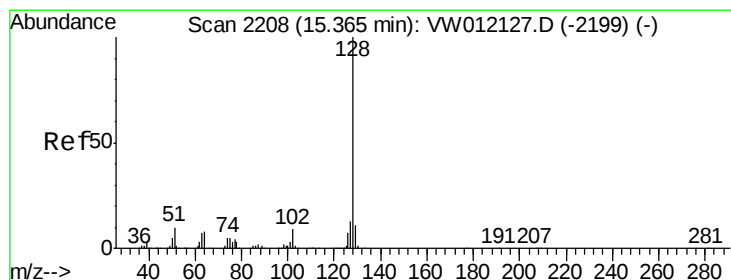
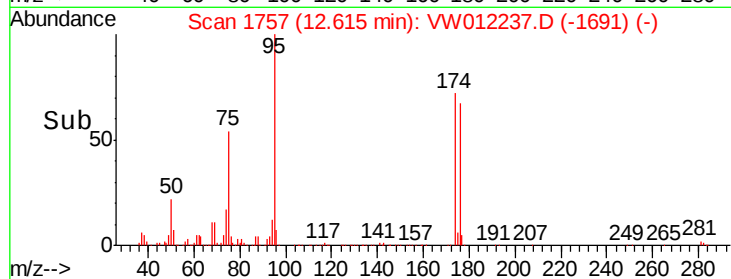
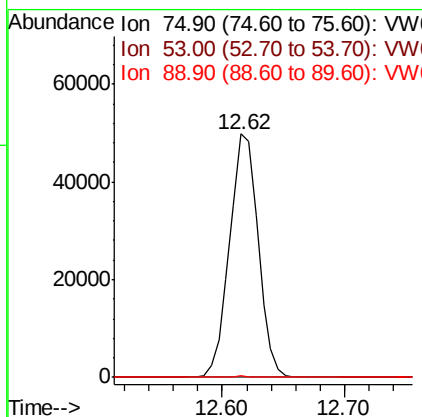
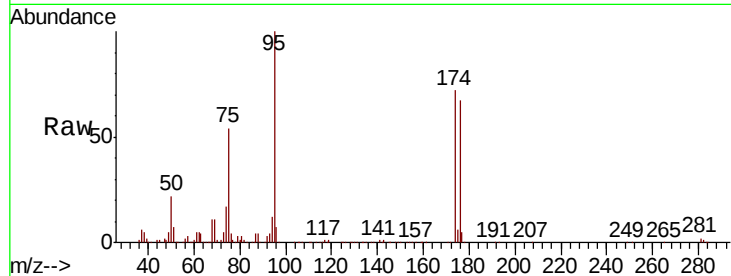




#81
trans-1,4-Dichloro-2-butene
Concen: 163.312 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012237.D
Acq: 28 Aug 2019 06:16

Instrument :
MSVOA_W
ClientSampleId :
T2-S1(0)

Tgt Ion: 75 Resp: 80296
Ion Ratio Lower Upper
75 100
53 0.0 89.4 134.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 4.401 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012237.D
Acq: 28 Aug 2019 06:16

Tgt Ion: 128 Resp: 366
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 8.2 8.7 13.1#

