

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
 Data File : VW010360.D
 Acq On : 10 May 2019 17:05
 Operator : SY/VA
 Sample : K2717-18
 Misc : 4.07G/5ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS003-1824-01

Quant Time: May 10 23:19:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

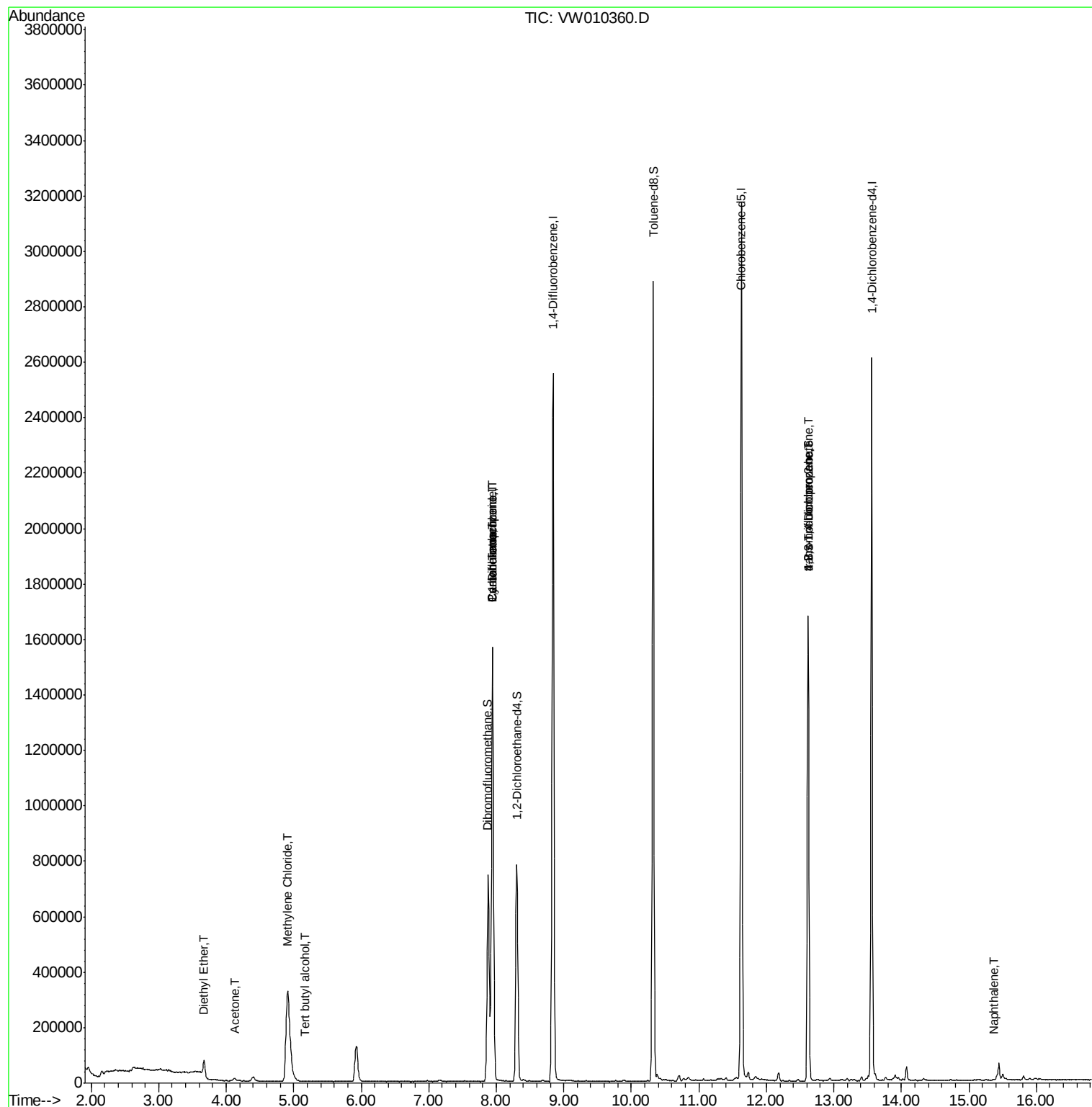
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1133059	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2066349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1709124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	637975	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	619830	51.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.92%	
35) Dibromofluoromethane	7.88	113	533785	44.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.28%	
50) Toluene-d8	10.32	98	1839094	37.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.70%	
62) 4-Bromofluorobenzene	12.62	95	543149	31.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	62.68%	
Target Compounds						
8) Diethyl Ether	3.68	74	35427	5.585	ug/l	95
11) Tert butyl alcohol	5.17	59	1358	1.596	ug/l #	82
16) Acetone	4.13	43	18854	6.004	ug/l	97
20) Methylene Chloride	4.91	84	328986	25.117	ug/l	97
31) Cyclohexane	7.95	56	26771	1.085	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	95684	4.271	ug/l #	49
38) Carbon Tetrachloride	7.95	117	110703	5.764	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	281696	37.871	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	281696	85.525	ug/l #	5
95) Naphthalene	15.37	128	3117	3.694	ug/l	97

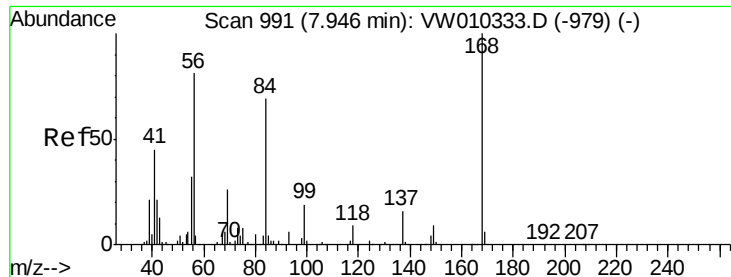
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
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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: VW010360.D

Acq: 10 May 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

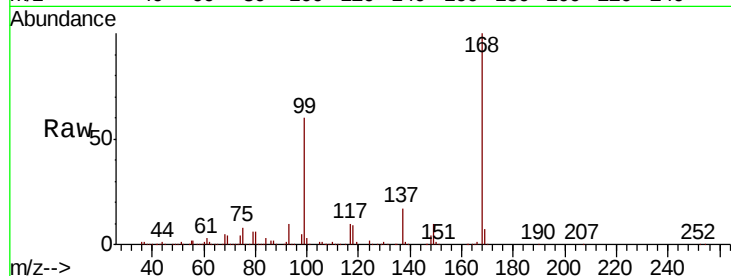
P026-SS003-1824-01

Tgt Ion:168 Resp: 1133059

Ion Ratio Lower Upper

168 100

99 60.3 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

600000

500000

400000

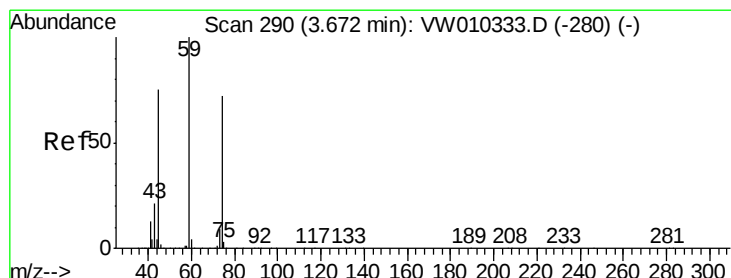
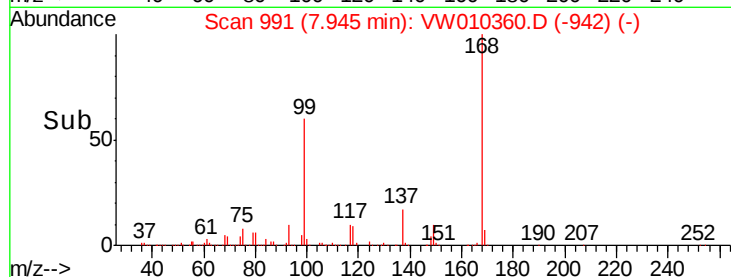
300000

200000

100000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 5.585 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VW010360.D

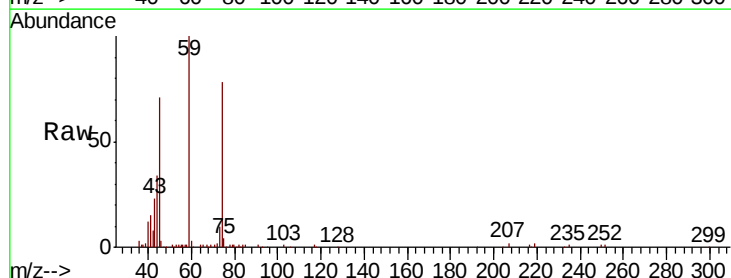
Acq: 10 May 2019 17:05

Tgt Ion: 74 Resp: 35427

Ion Ratio Lower Upper

74 100

45 106.7 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

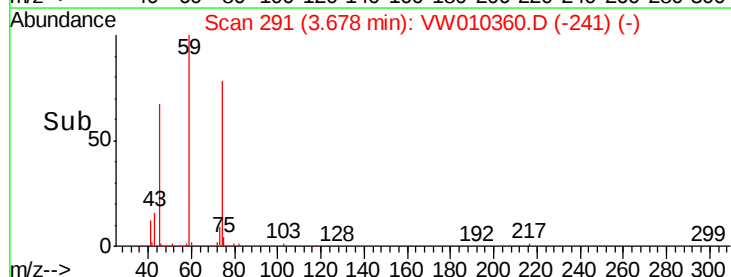
15000

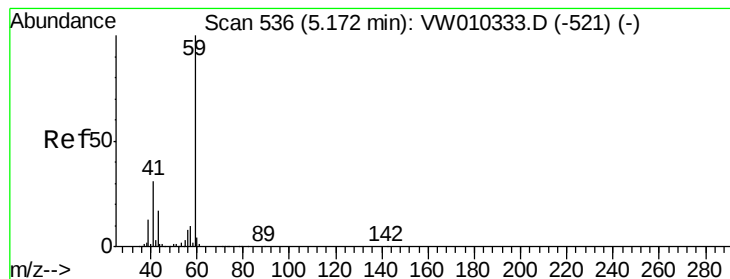
10000

5000

0

Time--> 3.60 3.70 3.80





#11

Tert butyl alcohol

Concen: 1.596 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.00 min

Lab File: VW010360.D

Acq: 10 May 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

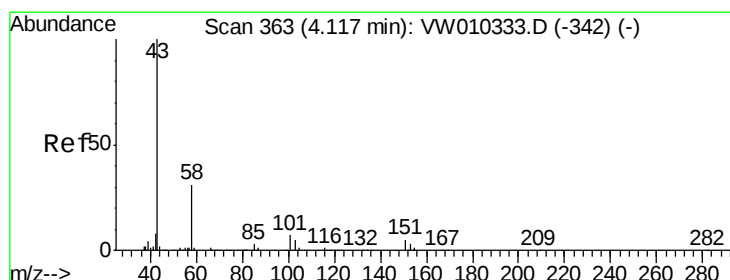
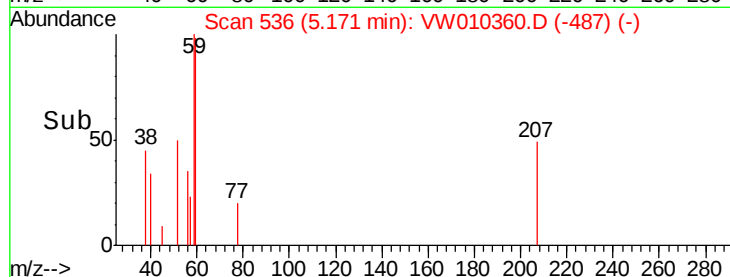
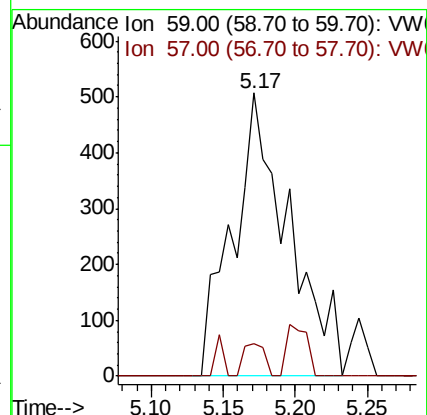
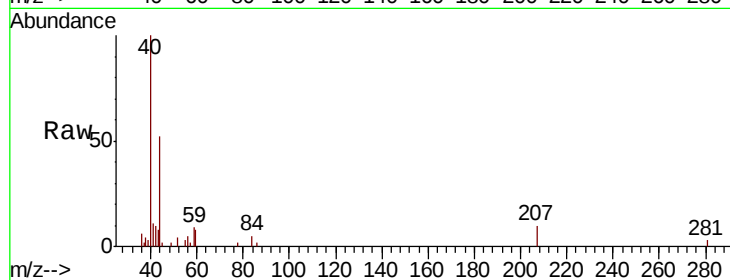
P026-SS003-1824-01

Tgt Ion: 59 Resp: 1358

Ion Ratio Lower Upper

59 100

57 4.4 9.0 13.4#



#16

Acetone

Concen: 6.004 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010360.D

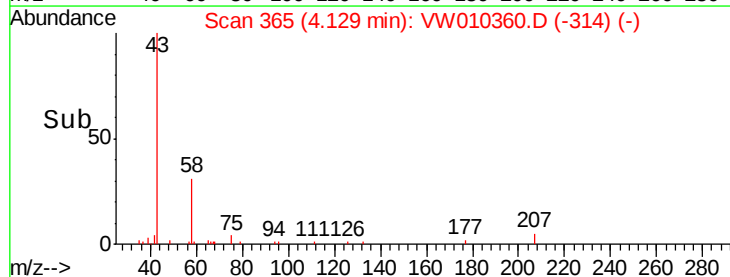
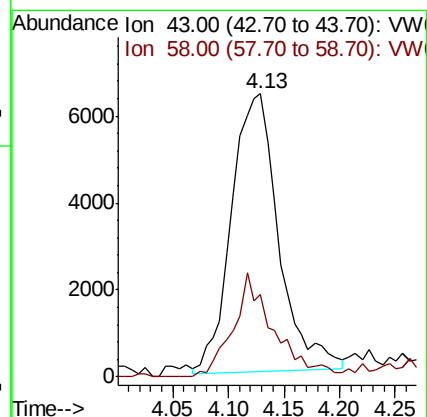
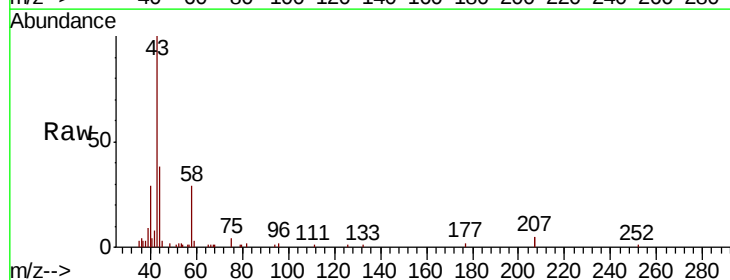
Acq: 10 May 2019 17:05

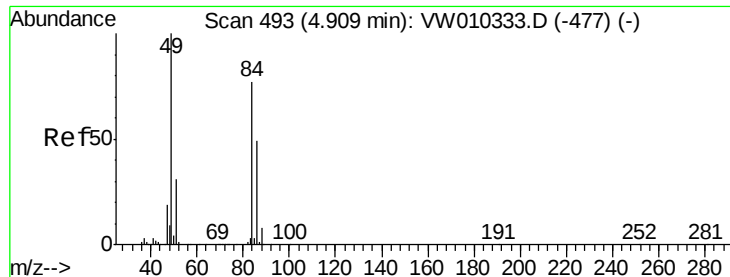
Tgt Ion: 43 Resp: 18854

Ion Ratio Lower Upper

43 100

58 30.1 22.7 34.1

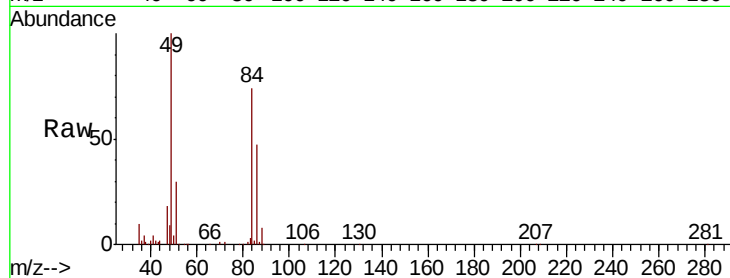




#20
Methylene Chloride
Concen: 25.117 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010360.D
Acq: 10 May 2019 17:05

Instrument :
MSVOA_W
ClientSampleId :
P026-SS003-1824-01

Tgt Ion:	84	Resp:	328986
Ion	Ratio	Lower	Upper
84	100		
49	135.2	112.3	168.5
51	40.4	33.9	50.9
86	64.3	50.2	75.4



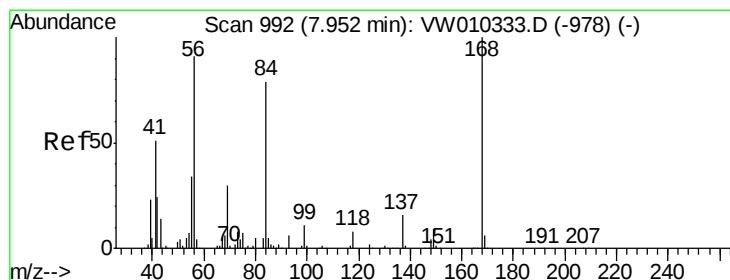
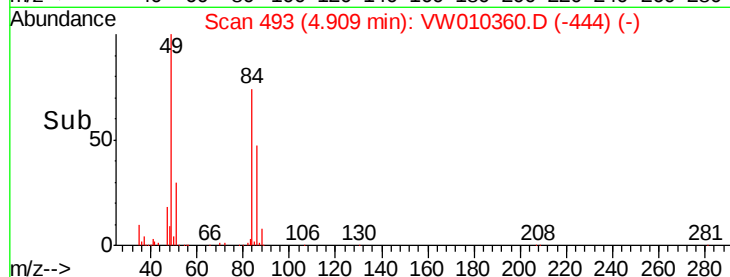
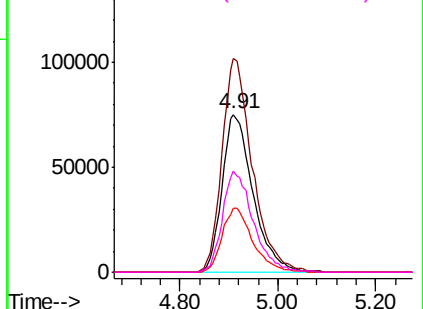
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

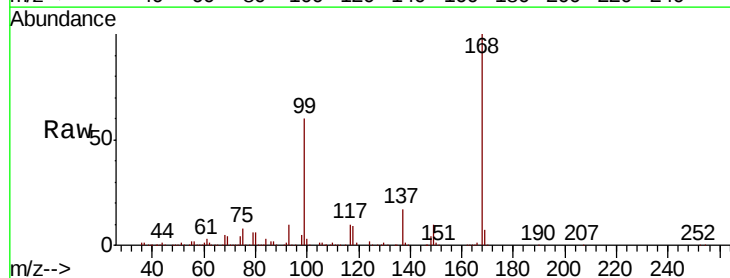
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#31
Cyclohexane
Concen: 1.085 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010360.D
Acq: 10 May 2019 17:05

Tgt Ion:	56	Resp:	26771
Ion	Ratio	Lower	Upper
56	100		
69	201.7	26.6	40.0#
84	159.0	66.2	99.2#

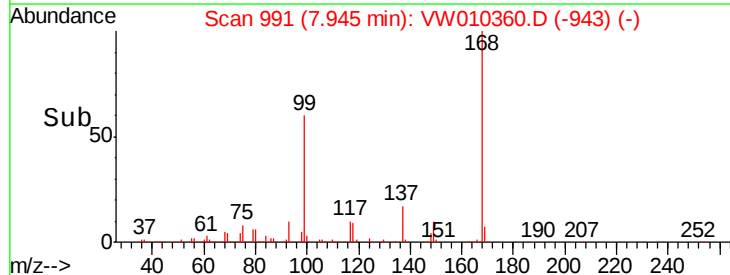
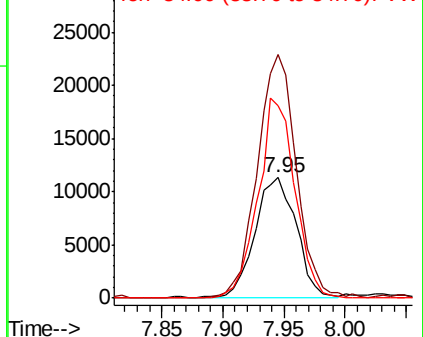


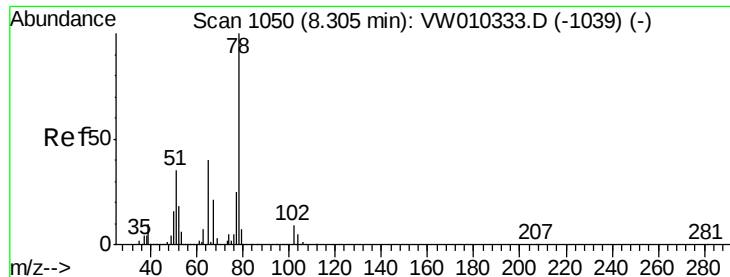
Abundance

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: 51.456 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010360.D

Acq: 10 May 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

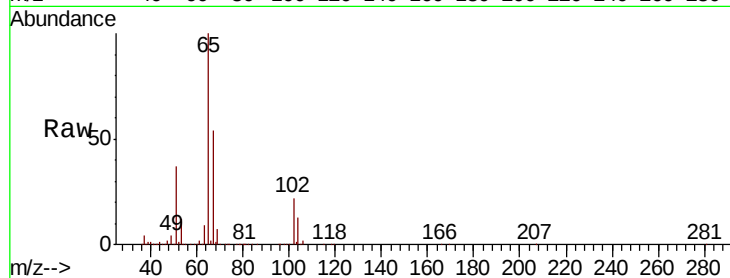
P026-SS003-1824-01

Tgt Ion: 65 Resp: 619830

Ion Ratio Lower Upper

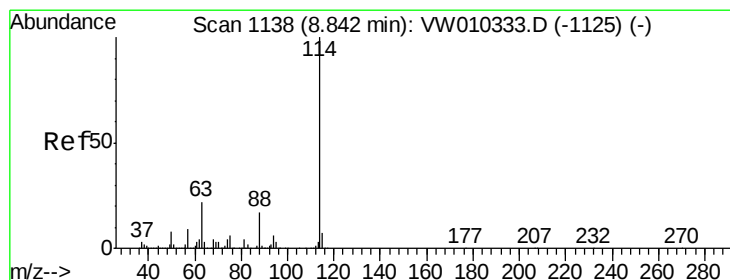
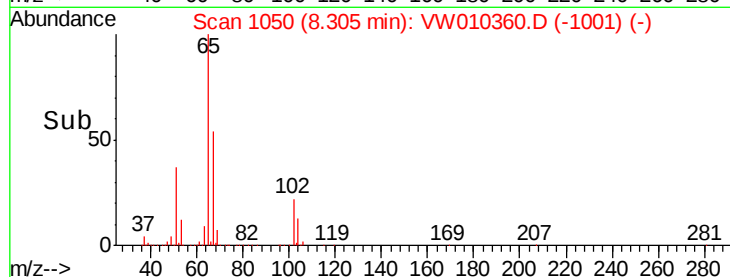
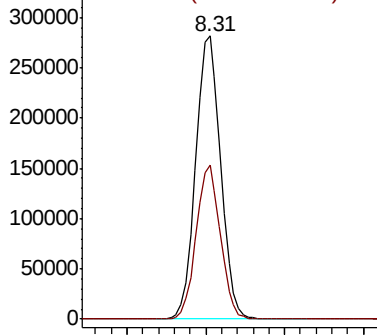
65 100

67 52.9 0.0 100.8



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: VW010360.D

Acq: 10 May 2019 17:05

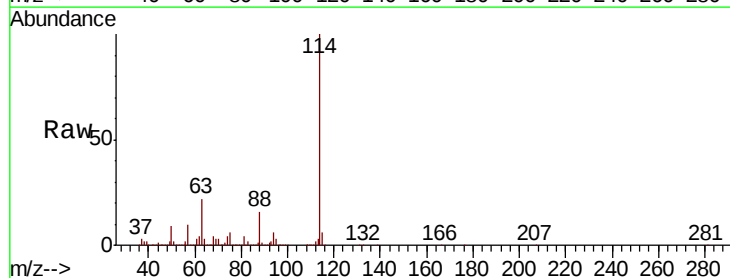
Tgt Ion: 114 Resp: 2066349

Ion Ratio Lower Upper

114 100

63 21.9 0.0 46.2

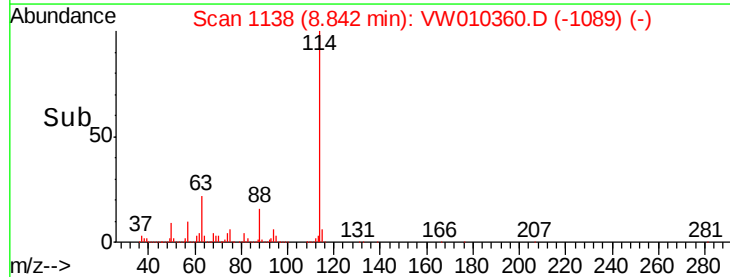
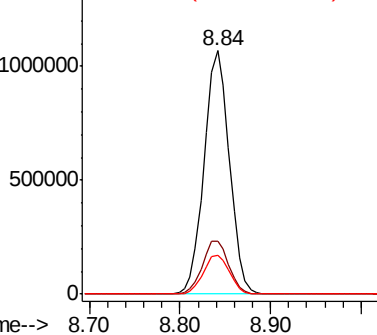
88 16.1 0.0 32.6

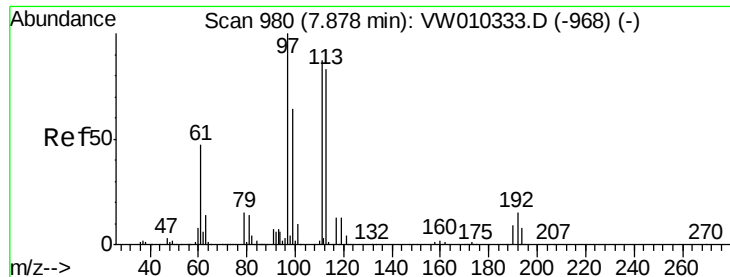


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

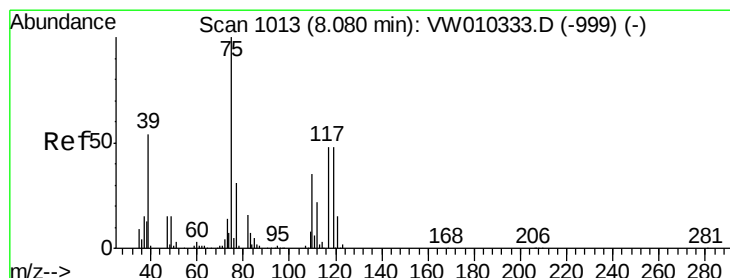
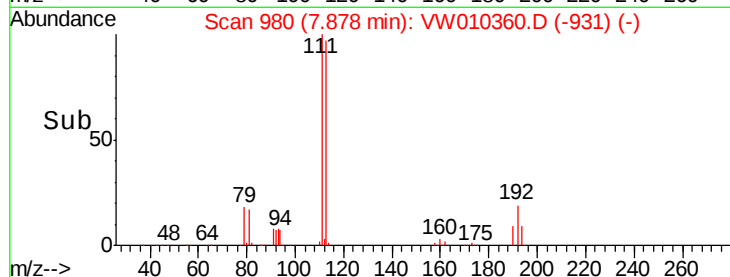
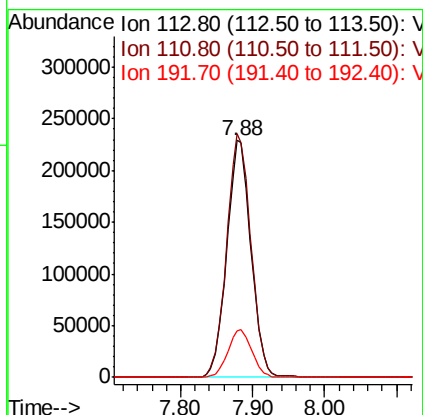
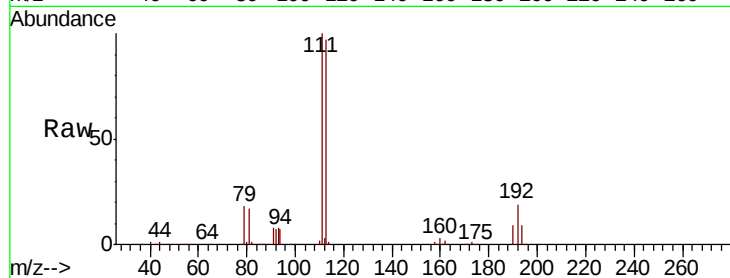




#35
 Dibromofluoromethane
 Concen: 44.144 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW010360.D
 Acq: 10 May 2019 17:05

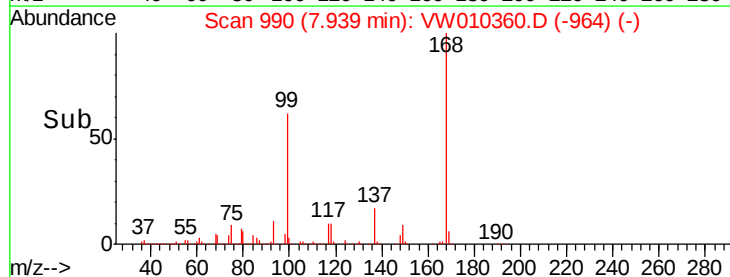
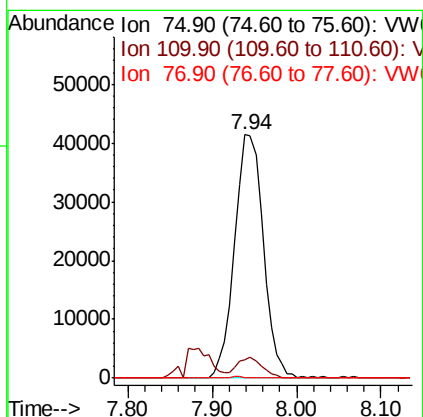
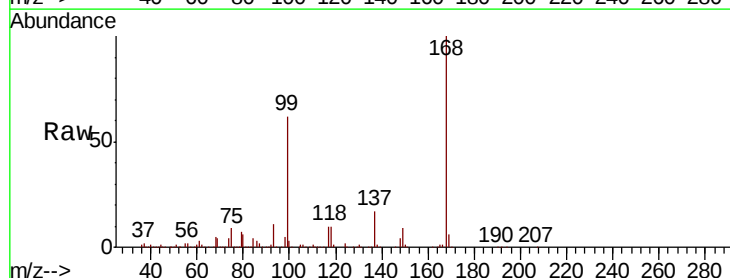
Instrument :
 MSVOA_W
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 P026-SS003-1824-01

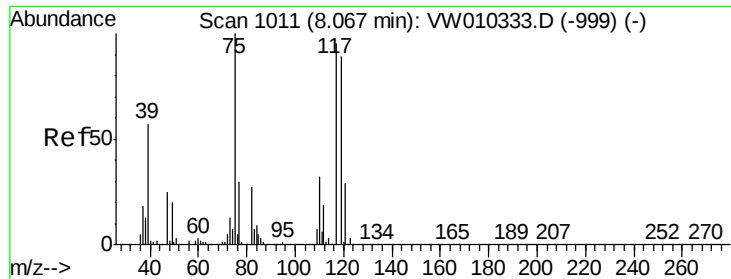
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	123.8
192	20.1	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 4.271 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW010360.D
 Acq: 10 May 2019 17:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.2	16.6	49.8#
77	0.2	24.8	37.2#

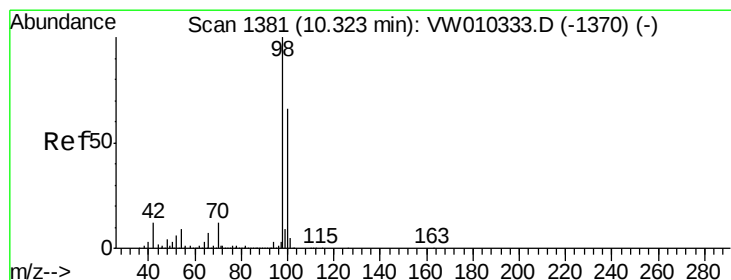
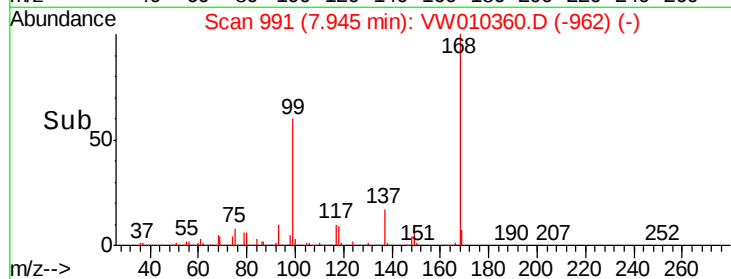
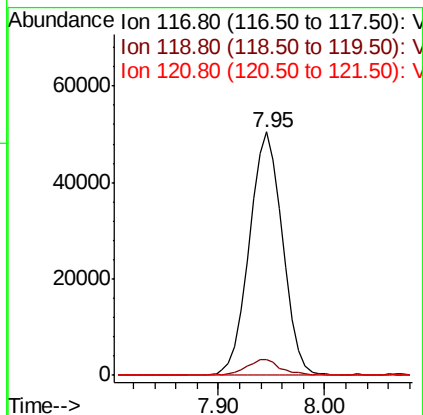
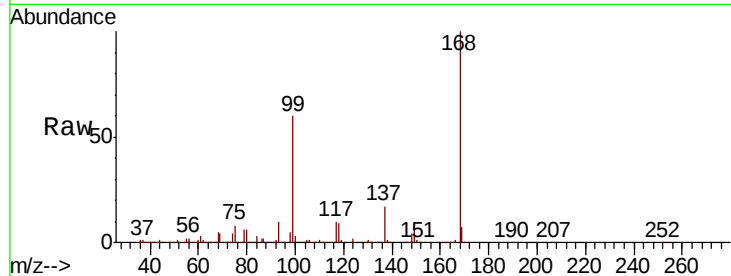




#38
Carbon Tetrachloride
Concen: 5.764 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW010360.D
Acq: 10 May 2019 17:05

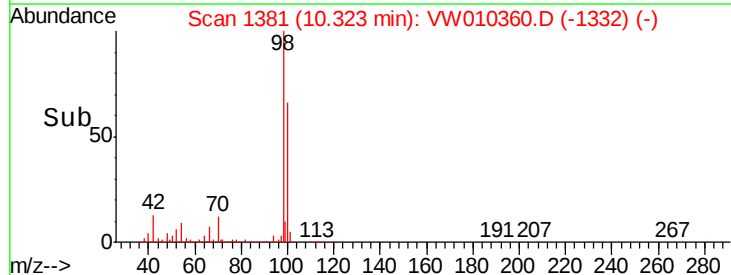
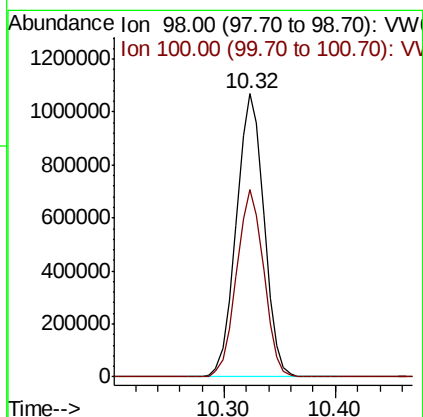
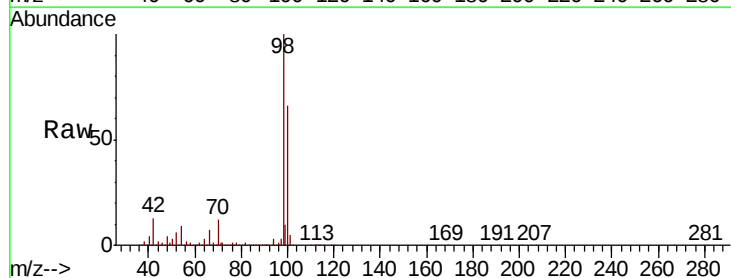
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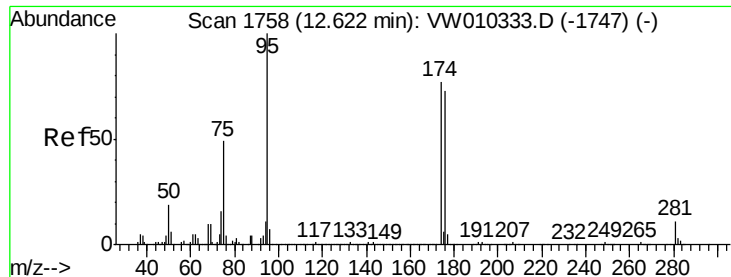
Tgt Ion: 117 Resp: 110703
Ion Ratio Lower Upper
117 100
119 6.4 75.3 112.9#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 37.350 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010360.D
Acq: 10 May 2019 17:05

Tgt Ion: 98 Resp: 1839094
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5

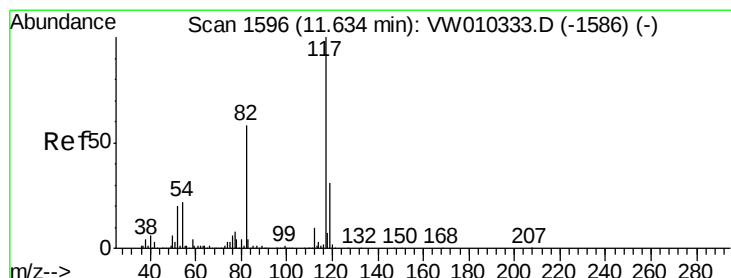
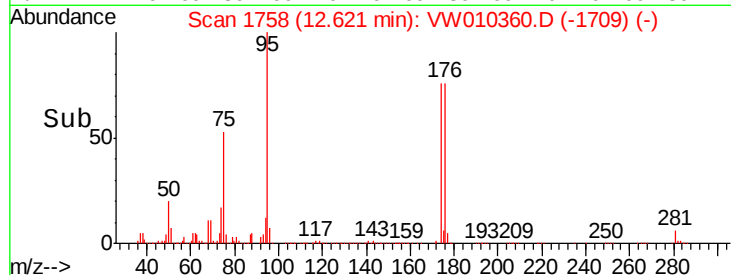
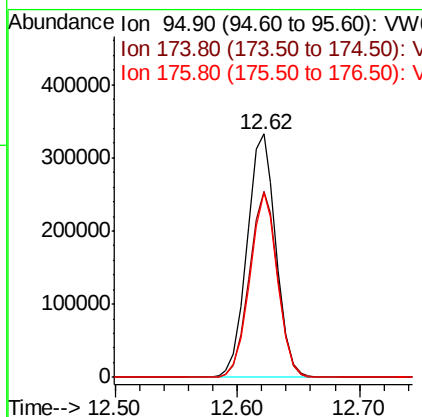
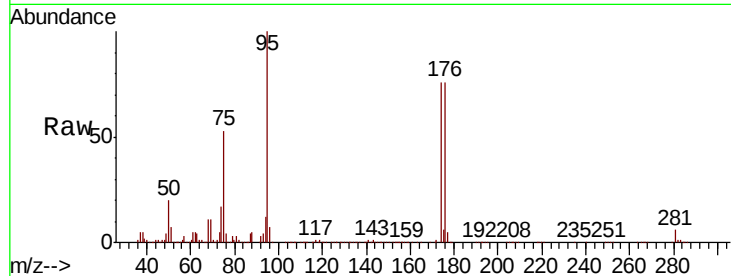




#62
4-Bromofluorobenzene
Concen: 31.337 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010360.D
Acq: 10 May 2019 17:05

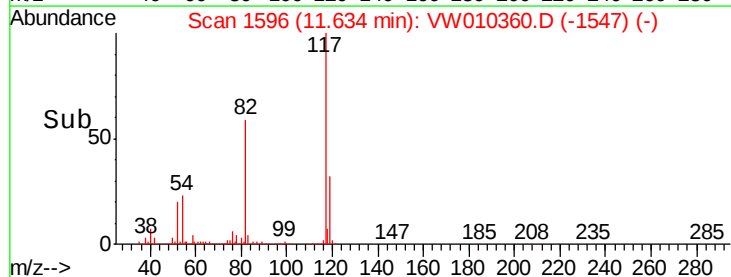
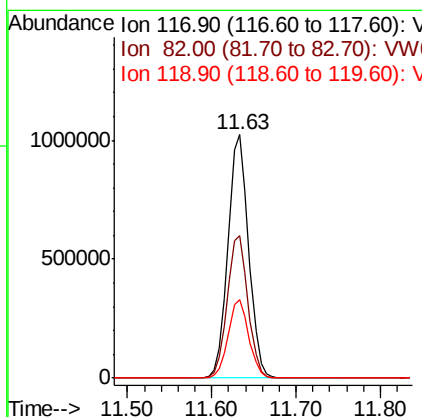
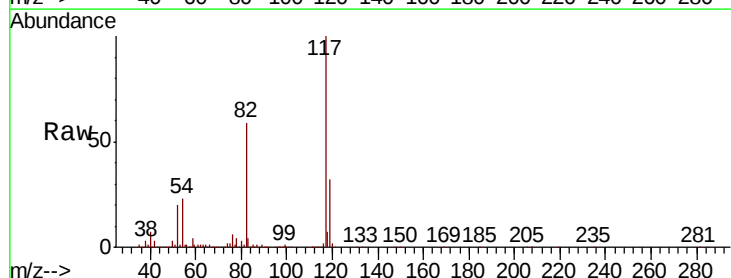
Instrument :
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P026-SS003-1824-01

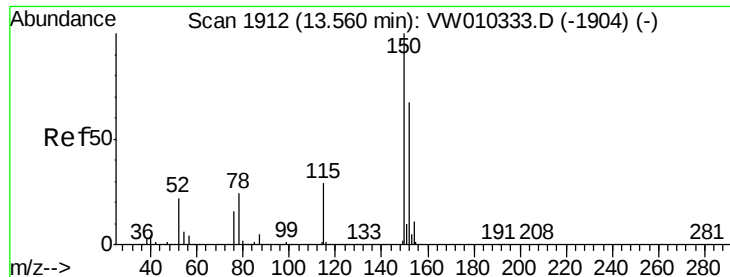
Tgt Ion: 95 Resp: 543149
Ion Ratio Lower Upper
95 100
174 76.2 0.0 151.4
176 73.1 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010360.D
Acq: 10 May 2019 17:05

Tgt Ion: 117 Resp: 1709124
Ion Ratio Lower Upper
117 100
82 58.6 45.2 67.8
119 32.3 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: VW010360.D

Acq: 10 May 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

P026-SS003-1824-01

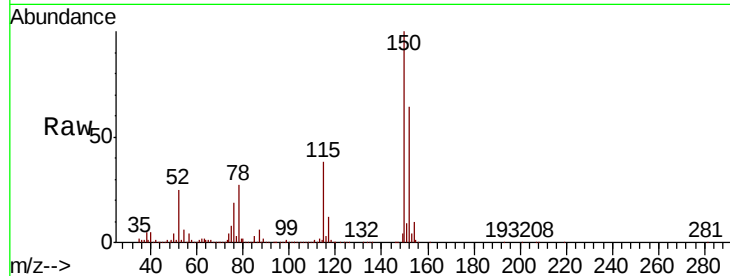
Tgt Ion:152 Resp: 637975

Ion Ratio Lower Upper

152 100

115 60.4 30.4 91.2

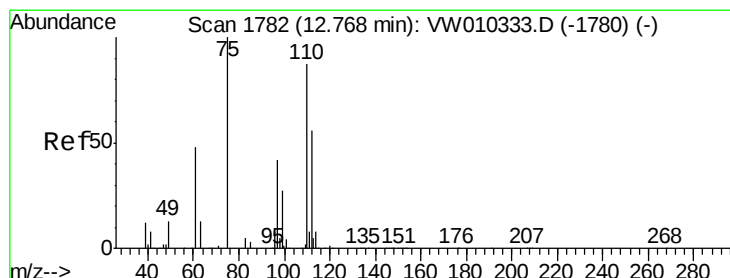
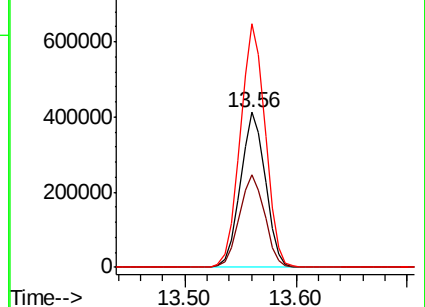
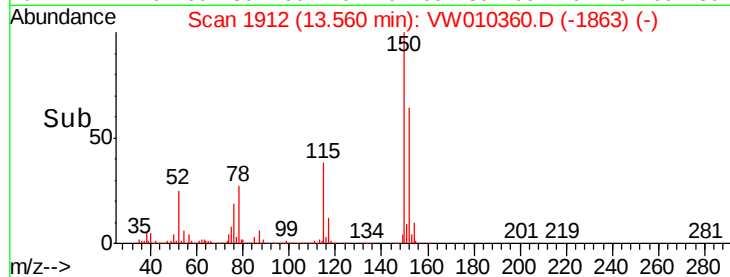
150 157.8 0.0 347.0



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: 37.871 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010360.D

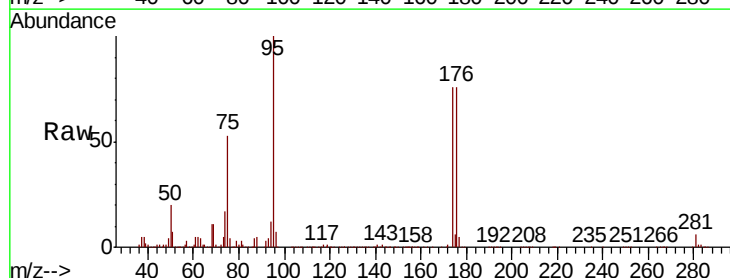
Acq: 10 May 2019 17:05

Tgt Ion: 75 Resp: 281696

Ion Ratio Lower Upper

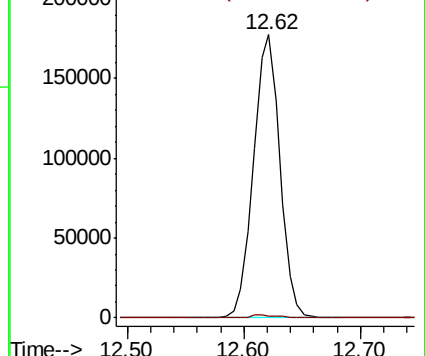
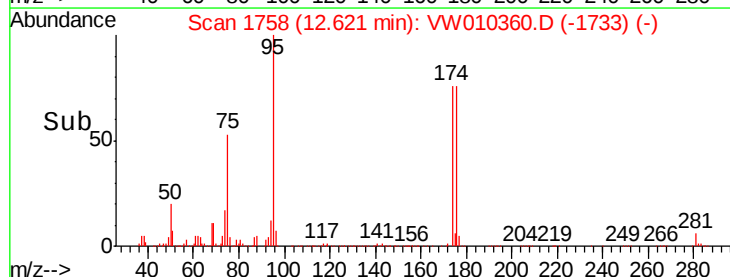
75 100

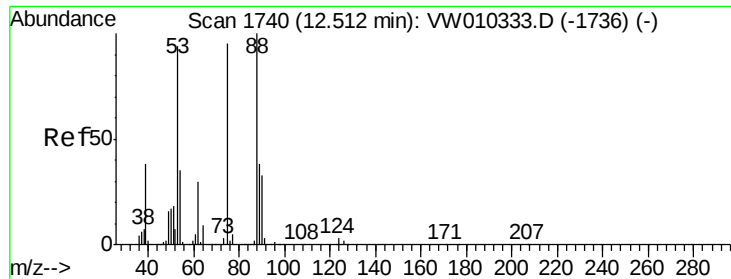
77 1.3 0.0 0.0#



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: 85.525 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010360.D

Acq: 10 May 2019 17:05

Instrument :

MSVOA_W

ClientSampleId :

P026-SS003-1824-01

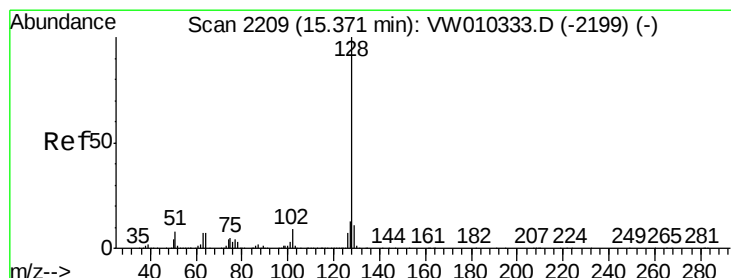
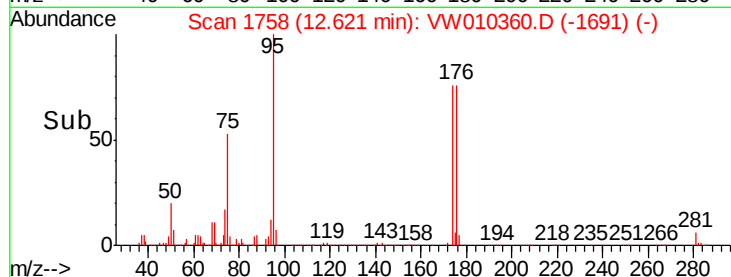
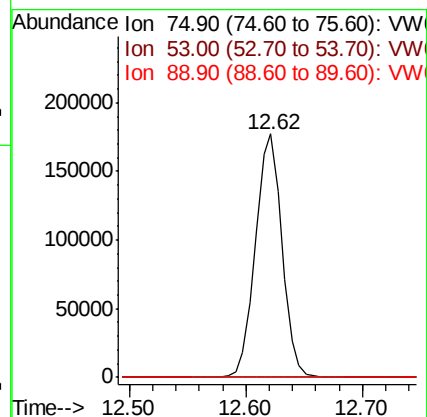
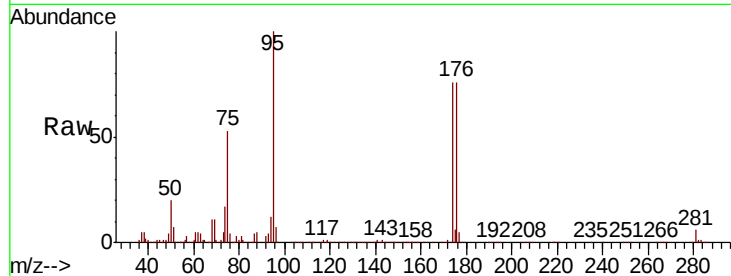
Tgt Ion: 75 Resp: 281696

Ion Ratio Lower Upper

75 100

53 0.0 89.8 134.8#

89 0.0 36.6 54.8#



#95

Naphthalene

Concen: 3.694 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010360.D

Acq: 10 May 2019 17:05

Tgt Ion: 128 Resp: 3117

Ion Ratio Lower Upper

128 100

127 11.9 10.6 15.8

129 11.8 8.7 13.1

