

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051019\
 Data File : VW010363.D
 Acq On : 10 May 2019 18:31
 Operator : SY/VA
 Sample : K2717-21
 Misc : 5.70G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS004-0612-01

Quant Time: May 10 23:19:50 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	500798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1120228	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	832385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	275982	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	814450	152.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	305.94%	
35) Dibromofluoromethane	7.88	113	616535	94.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	188.10%	
50) Toluene-d8	10.32	98	1088707	40.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.56%	
62) 4-Bromofluorobenzene	12.62	95	346282	36.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.70%	

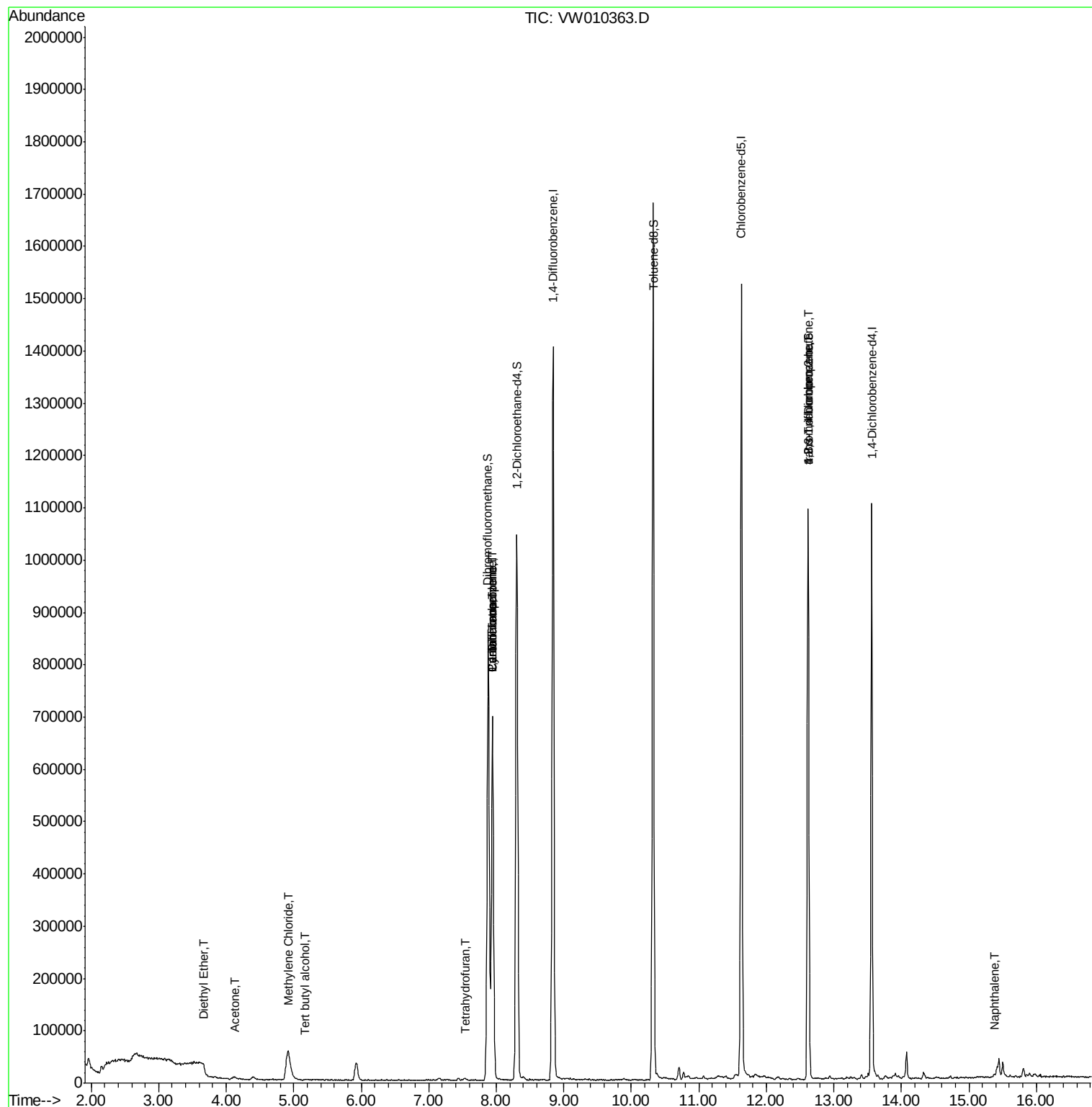
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	6247	2.228	ug/l	85
11) Tert butyl alcohol	5.17	59	860	2.287	ug/l #	89
16) Acetone	4.12	43	8571	6.175	ug/l	95
20) Methylene Chloride	4.92	84	61115	10.557	ug/l	95
29) Tetrahydrofuran	7.54	42	3565	2.596	ug/l #	84
31) Cyclohexane	7.94	56	12580	1.154	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	42951	3.536	ug/l #	49
38) Carbon Tetrachloride	7.94	117	50278	4.829	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	179739	55.859	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	179739	126.147	ug/l #	6
95) Naphthalene	15.37	128	4735	3.945	ug/l #	94

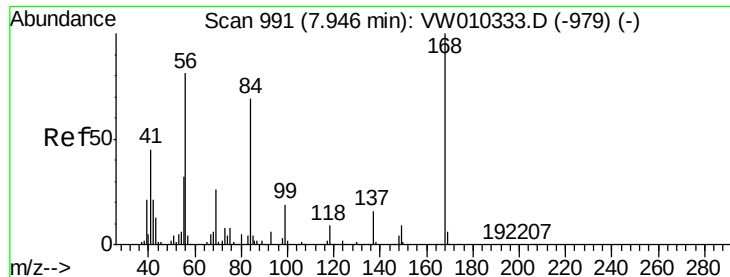
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010363.D

Acq: 10 May 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

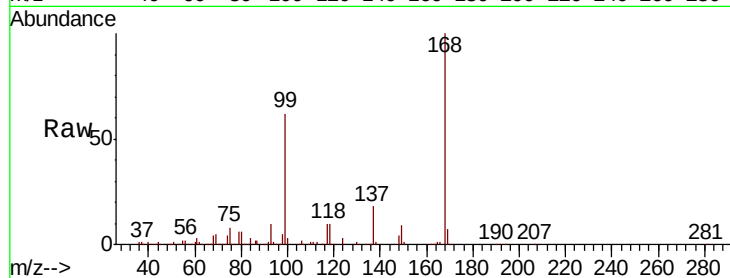
P026-SS004-0612-01

Tgt Ion:168 Resp: 500798

Ion Ratio Lower Upper

168 100

99 62.1 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

250000

200000

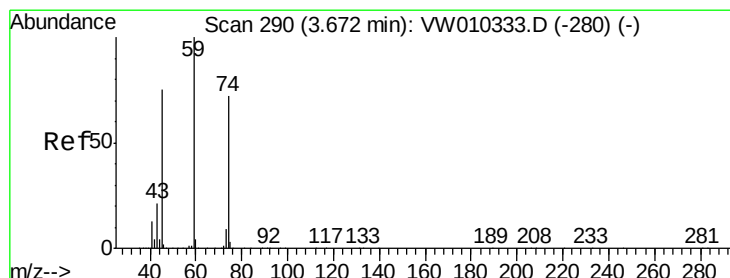
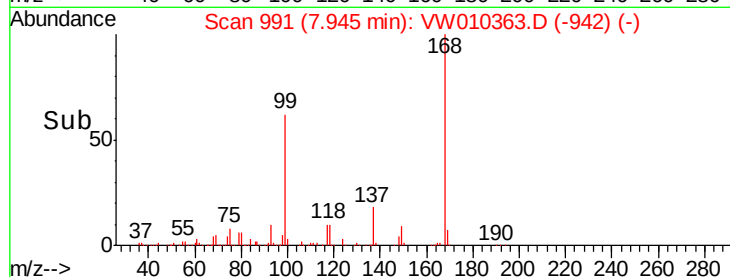
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#8

Diethyl Ether

Concen: 2.228 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VW010363.D

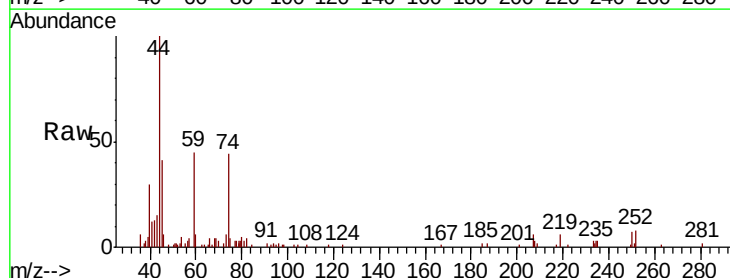
Acq: 10 May 2019 18:31

Tgt Ion: 74 Resp: 6247

Ion Ratio Lower Upper

74 100

45 96.2 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

3000

2500

2000

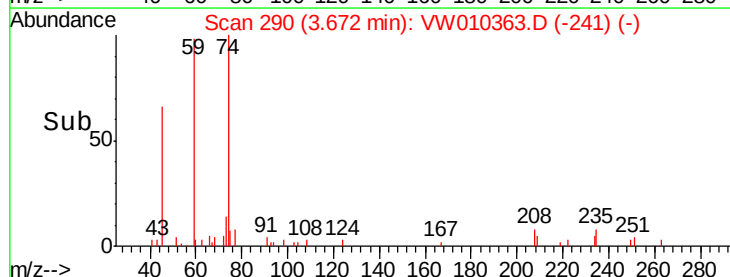
1500

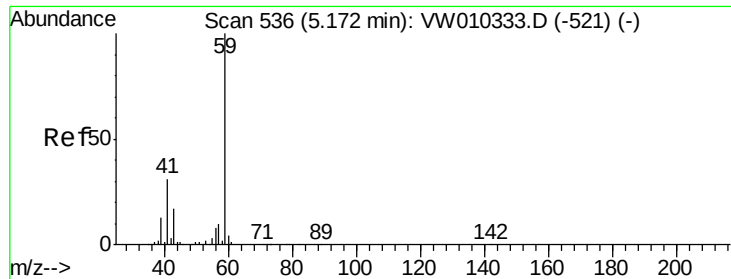
1000

500

0

Time--> 3.60 3.65 3.70 3.75



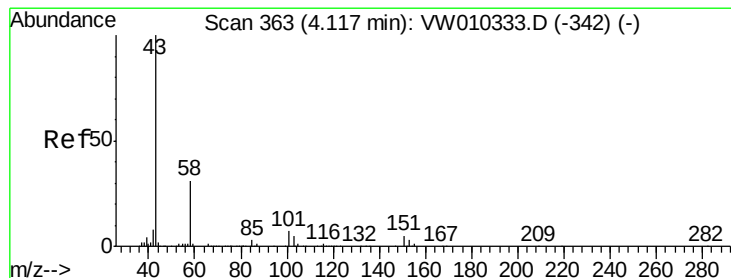
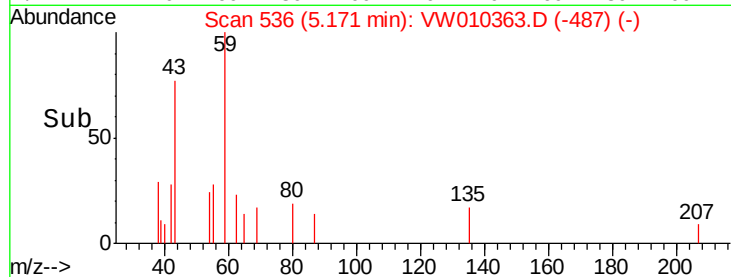
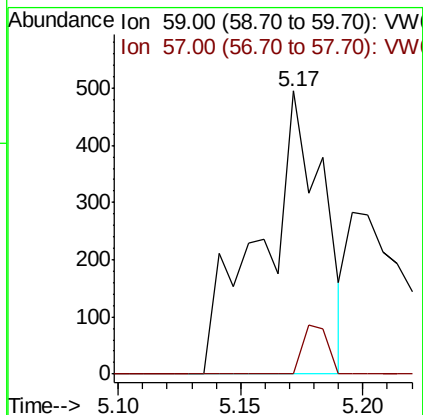
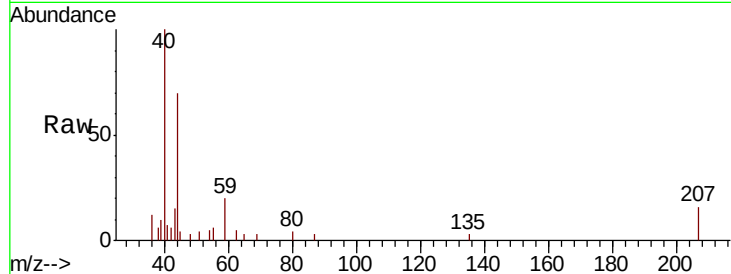


#11

Tert butyl alcohol
 Concen: 2.287 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VW010363.D
 Acq: 10 May 2019 18:31

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS004-0612-01

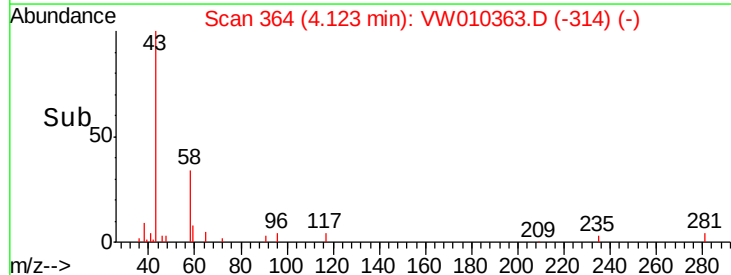
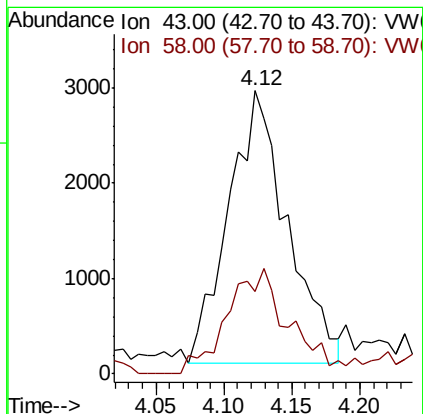
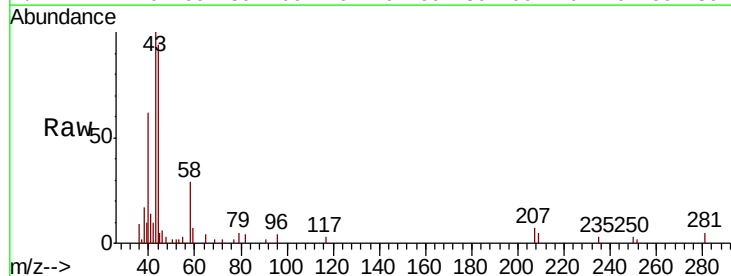
Tgt Ion: 59 Resp: 860
 Ion Ratio Lower Upper
 59 100
 57 7.0 9.0 13.4#

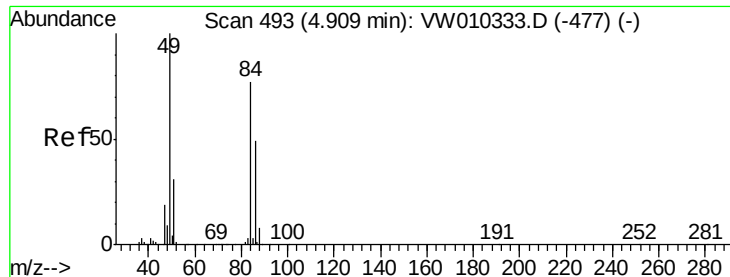


#16

Acetone
 Concen: 6.175 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW010363.D
 Acq: 10 May 2019 18:31

Tgt Ion: 43 Resp: 8571
 Ion Ratio Lower Upper
 43 100
 58 25.5 22.7 34.1

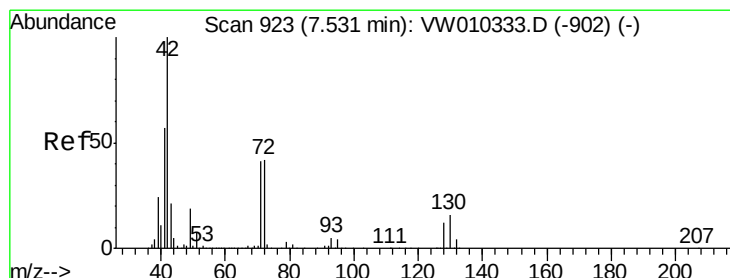
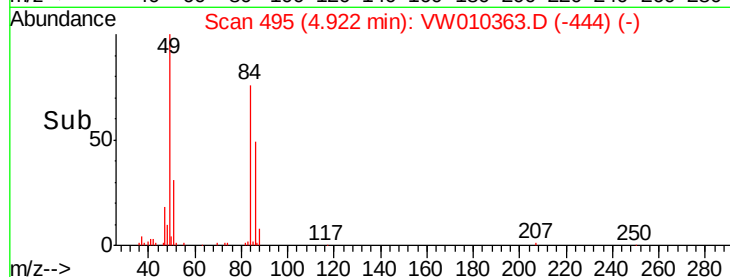
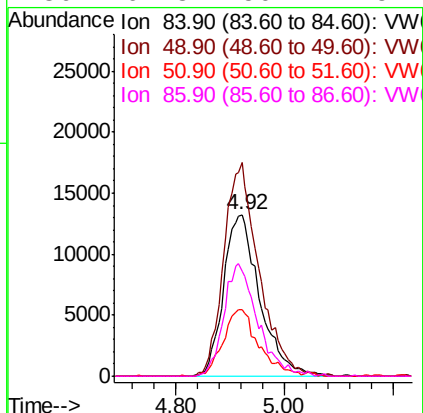
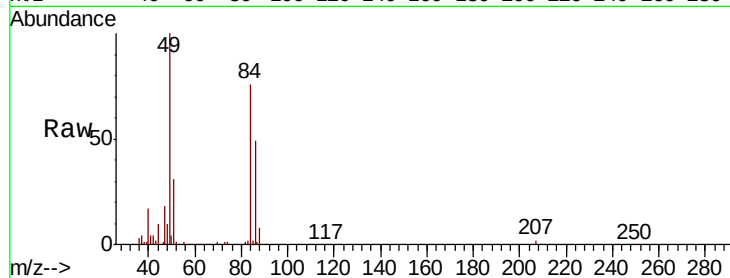




#20
Methylene Chloride
Concen: 10.557 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW010363.D
Acq: 10 May 2019 18:31

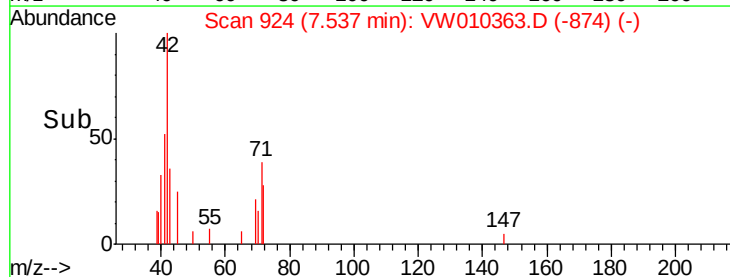
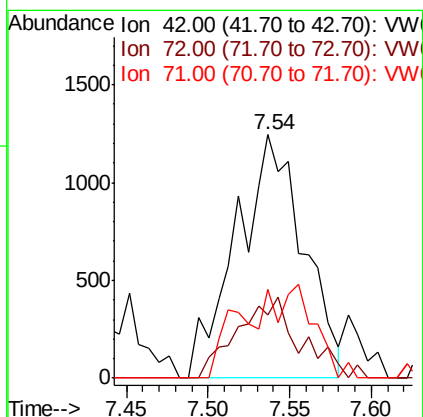
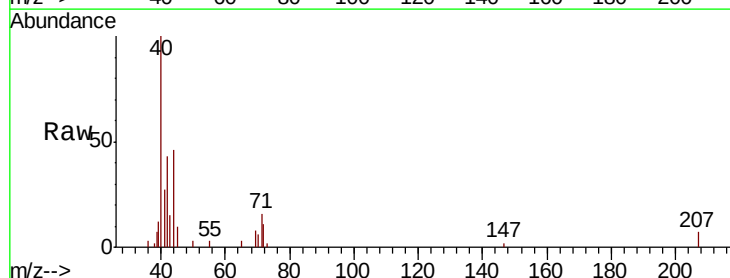
Instrument :
MSVOA_W
ClientSampleId :
P026-SS004-0612-01

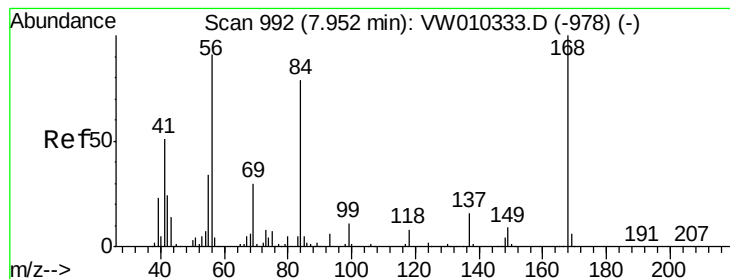
Tgt Ion:	84	Resp:	61115
Ion	Ratio	Lower	Upper
84	100		
49	132.0	112.3	168.5
51	41.2	33.9	50.9
86	64.8	50.2	75.4



#29
Tetrahydrofuran
Concen: 2.596 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW010363.D
Acq: 10 May 2019 18:31

Tgt Ion:	42	Resp:	3565
Ion	Ratio	Lower	Upper
42	100		
72	31.3	31.0	46.6
71	25.1	29.7	44.5#





#31

Cyclohexane

Concen: 1.154 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW010363.D

Acq: 10 May 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

P026-SS004-0612-01

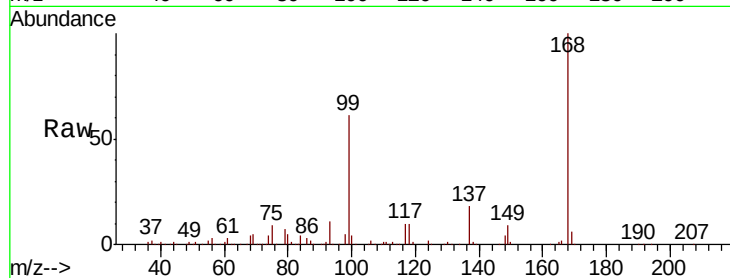
Tgt Ion: 56 Resp: 12580

Ion Ratio Lower Upper

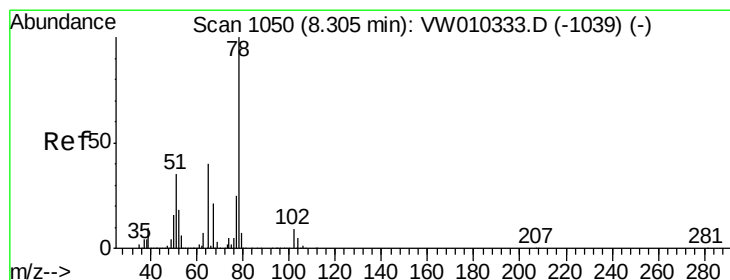
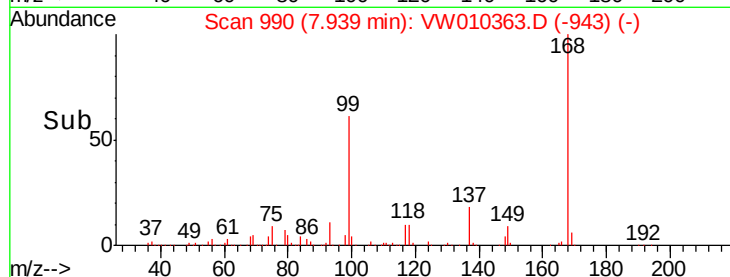
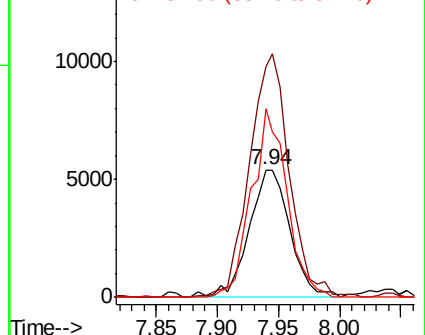
56 100

69 181.4 26.6 40.0#

84 148.1 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: 152.973 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010363.D

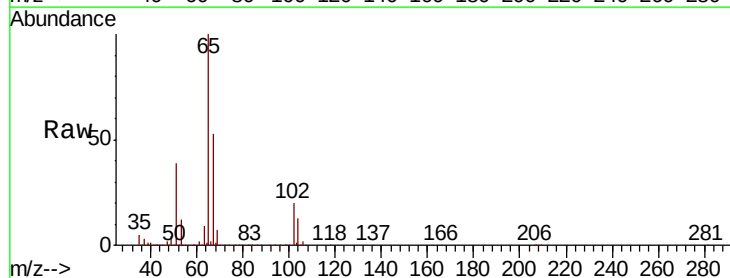
Acq: 10 May 2019 18:31

Tgt Ion: 65 Resp: 814450

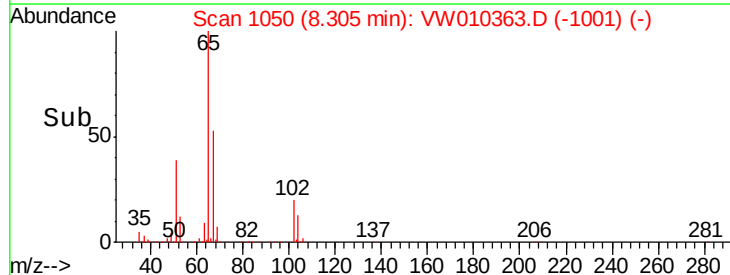
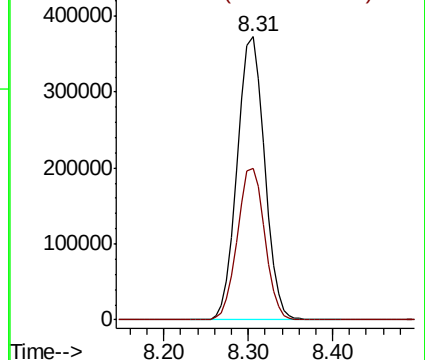
Ion Ratio Lower Upper

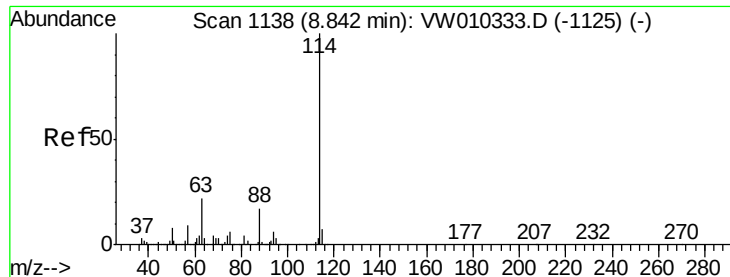
65 100

67 53.6 0.0 100.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

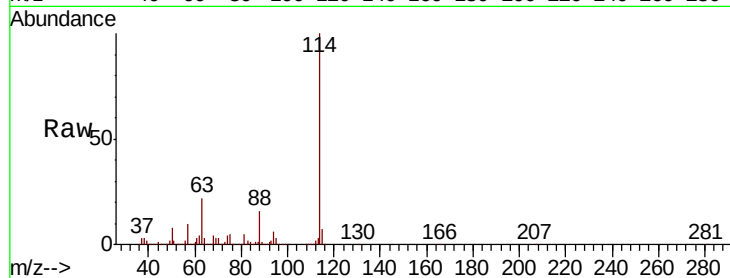




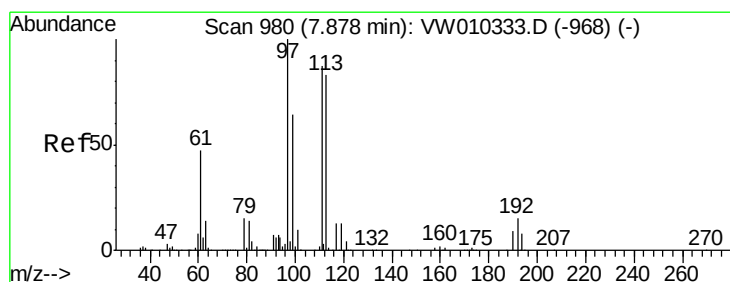
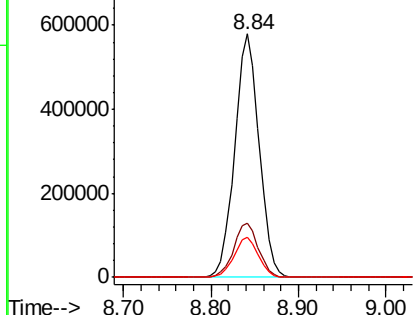
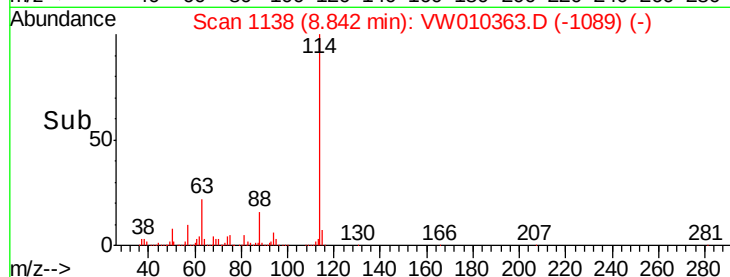
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010363.D
 Acq: 10 May 2019 18:31

Instrument :
 MSVOA_W
 ClientSampleId :
 P026-SS004-0612-01

Tgt Ion:114 Resp: 1120228
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 46.2
 88 16.5 0.0 32.6

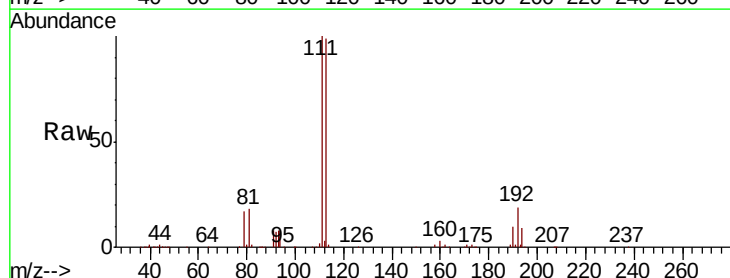


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

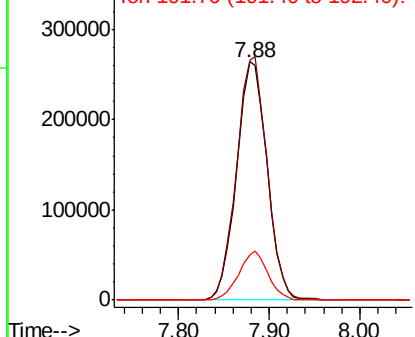
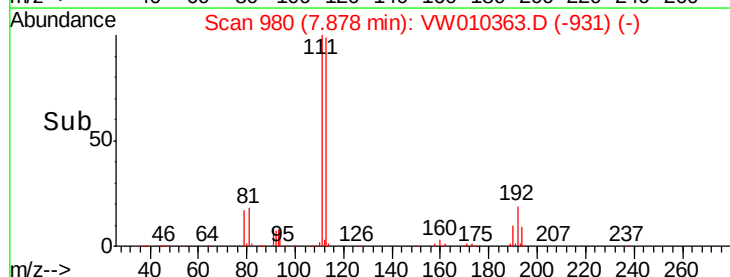


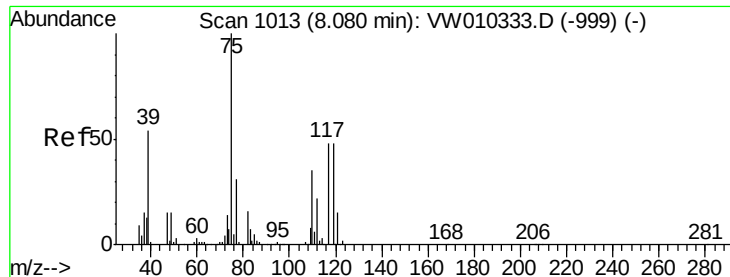
#35
 Dibromofluoromethane
 Concen: 94.049 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW010363.D
 Acq: 10 May 2019 18:31

Tgt Ion:113 Resp: 616535
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.6 123.8
 192 19.6 15.4 23.2



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

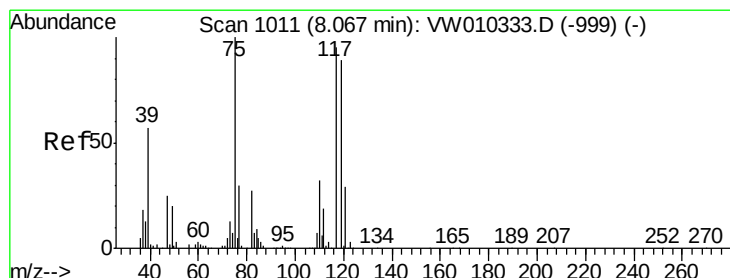
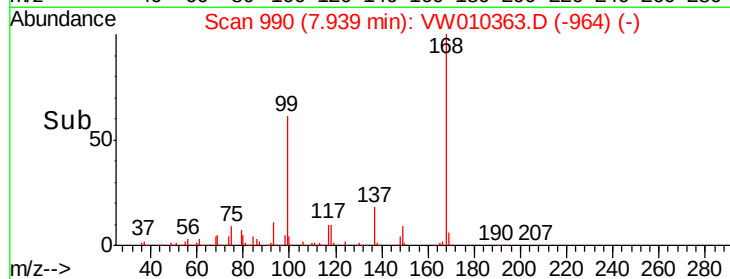
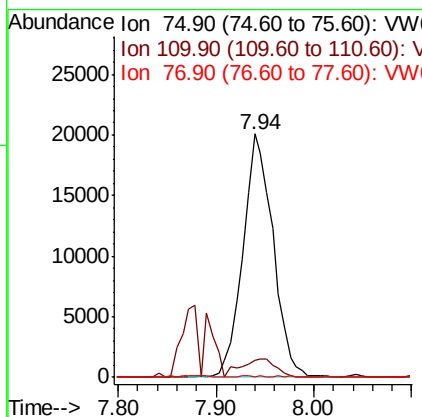
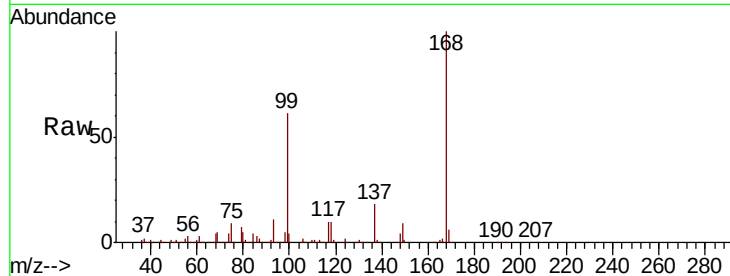




#36
 1,1-Dichloropropene
 Concen: 3.536 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW010363.D
 Acq: 10 May 2019 18:31

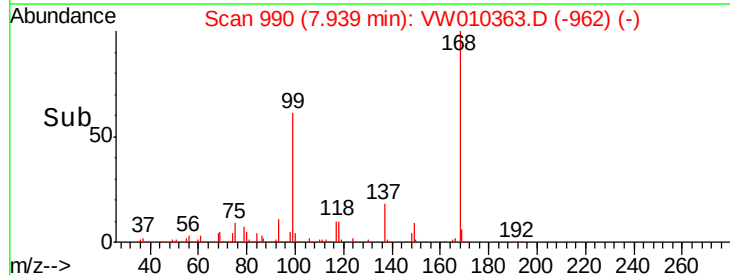
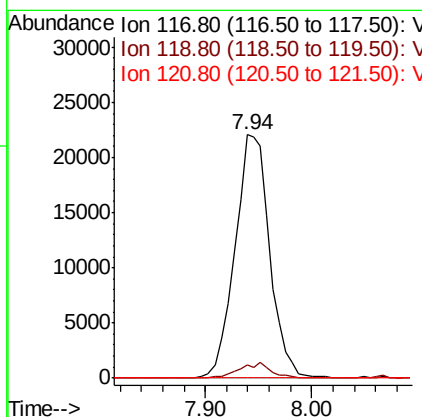
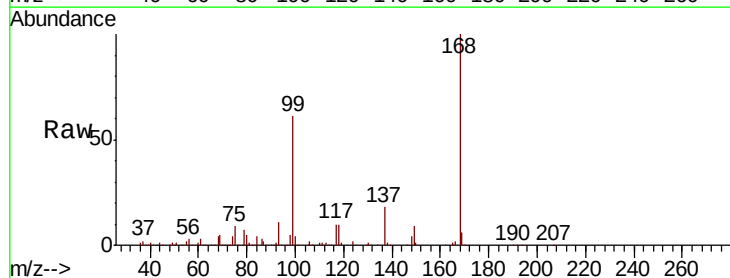
Instrument :
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 P026-SS004-0612-01

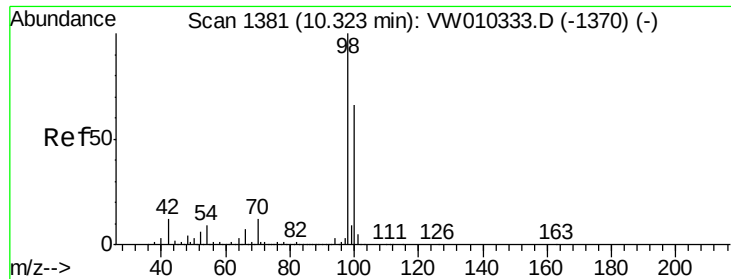
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.3	16.6	49.8#
77	0.2	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 4.829 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW010363.D
 Acq: 10 May 2019 18:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	75.3	112.9#
121	0.0	24.4	36.6#





#50

Toluene-d8

Concen: 40.785 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010363.D

Acq: 10 May 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

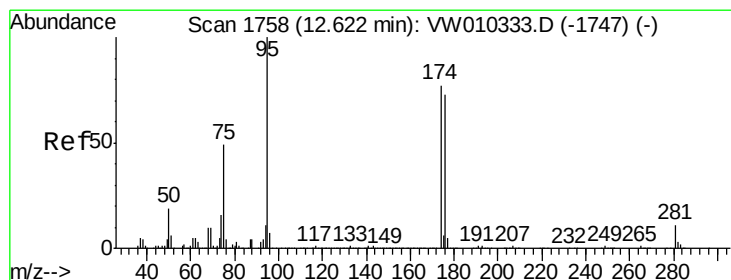
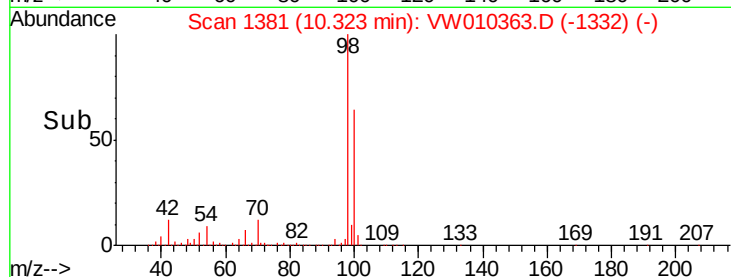
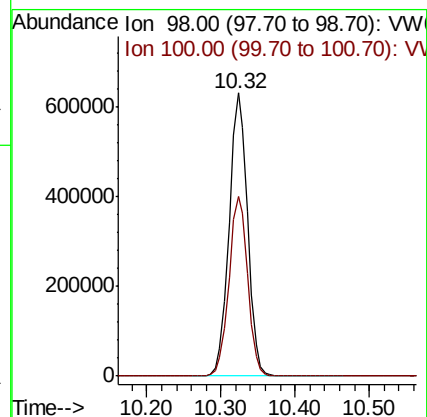
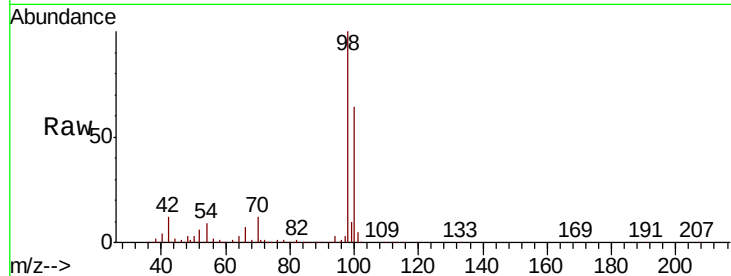
P026-SS004-0612-01

Tgt Ion: 98 Resp: 1088707

Ion Ratio Lower Upper

98 100

100 64.2 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 36.852 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010363.D

Acq: 10 May 2019 18:31

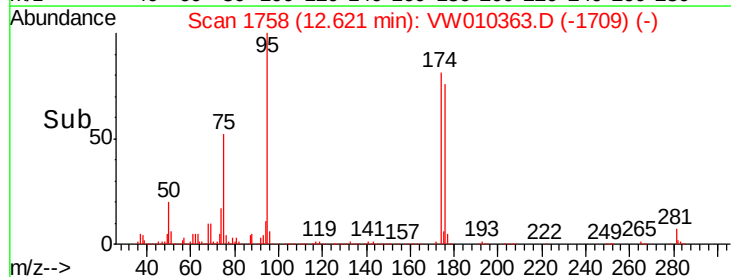
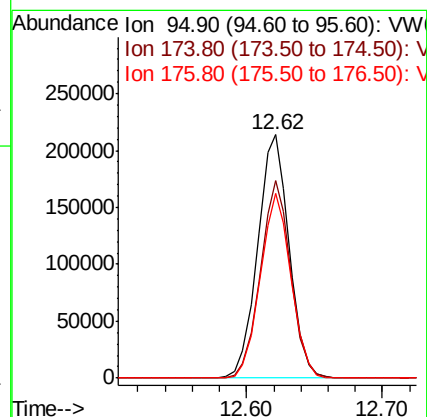
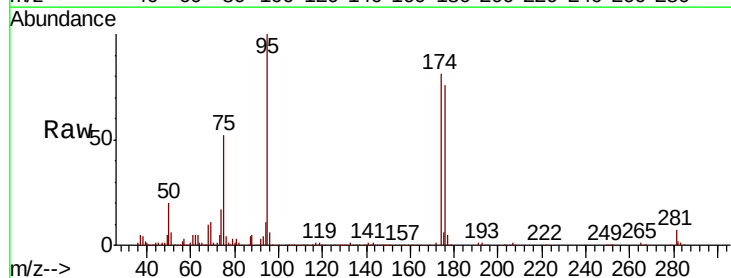
Tgt Ion: 95 Resp: 346282

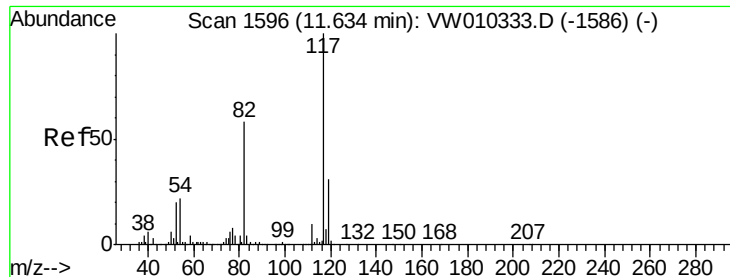
Ion Ratio Lower Upper

95 100

174 78.6 0.0 151.4

176 74.4 0.0 146.2

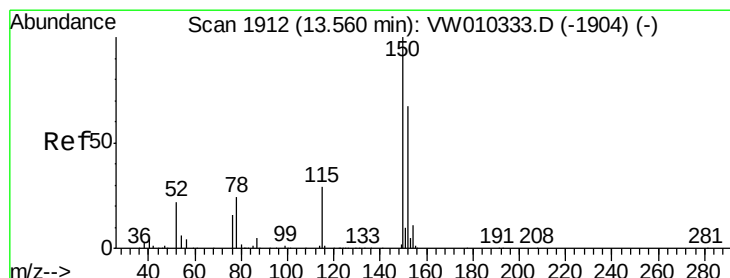
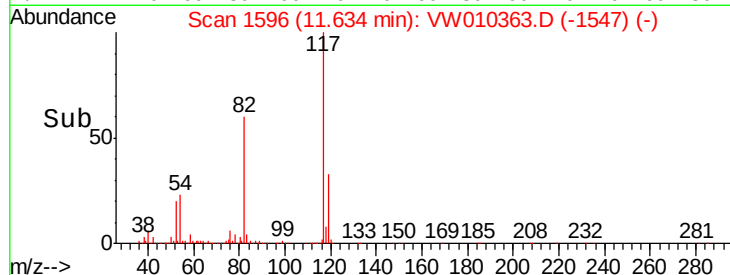
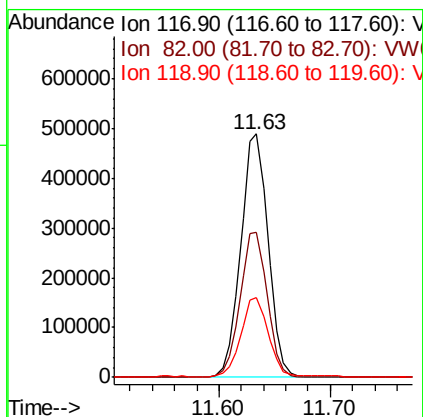
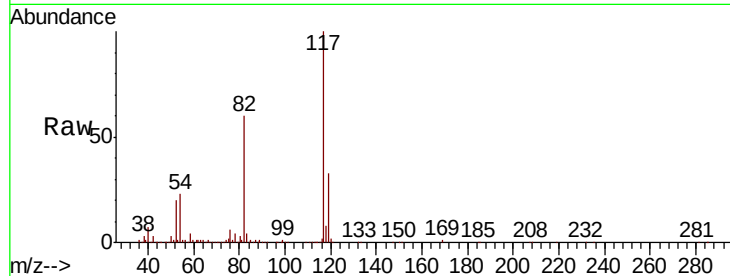




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010363.D
Acq: 10 May 2019 18:31

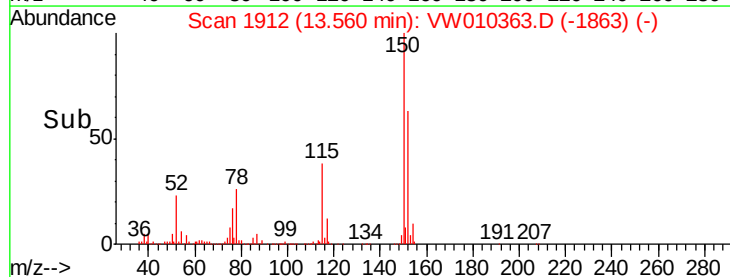
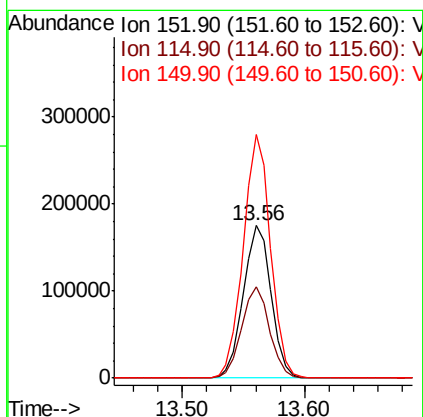
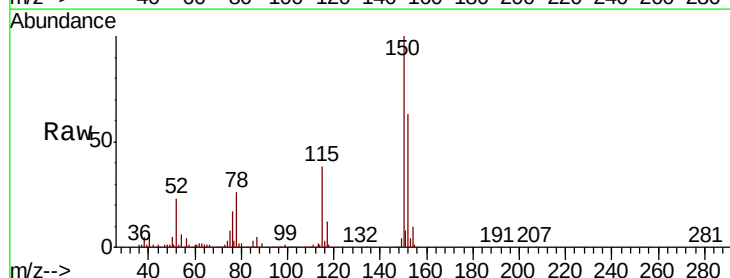
Instrument :
MSVOA_W
ClientSampleId :
P026-SS004-0612-01

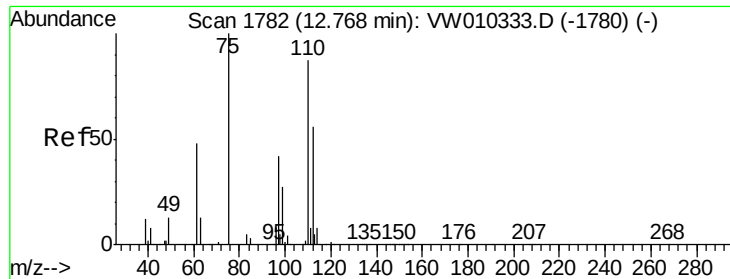
Tgt Ion:117 Resp: 832385
Ion Ratio Lower Upper
117 100
82 59.7 45.2 67.8
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010363.D
Acq: 10 May 2019 18:31

Tgt Ion:152 Resp: 275982
Ion Ratio Lower Upper
152 100
115 59.9 30.4 91.2
150 156.9 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 55.859 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010363.D

Acq: 10 May 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

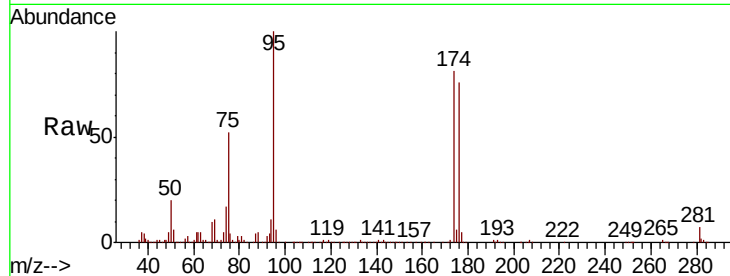
P026-SS004-0612-01

Tgt Ion: 75 Resp: 179739

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

12.62

100000

80000

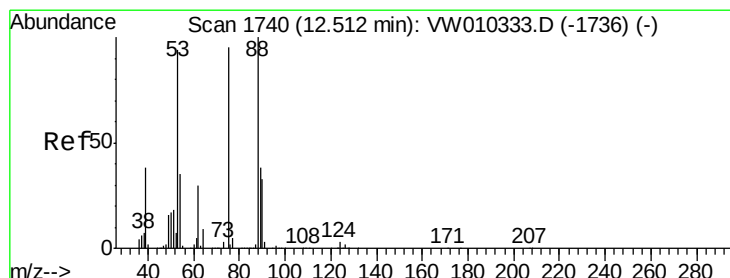
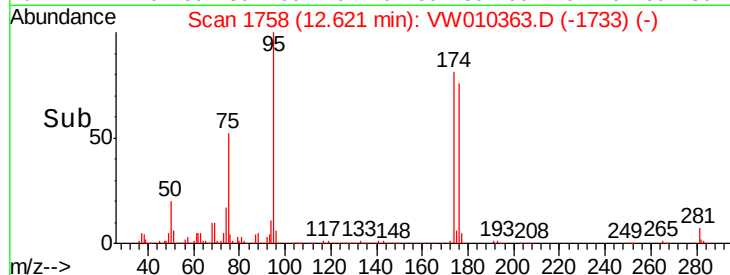
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 126.147 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010363.D

Acq: 10 May 2019 18:31

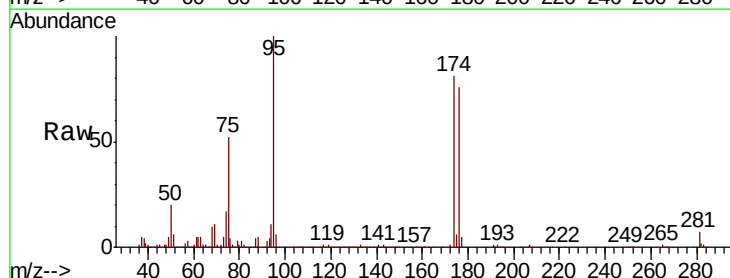
Tgt Ion: 75 Resp: 179739

Ion Ratio Lower Upper

75 100

53 0.5 89.8 134.8#

89 0.1 36.6 54.8#



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

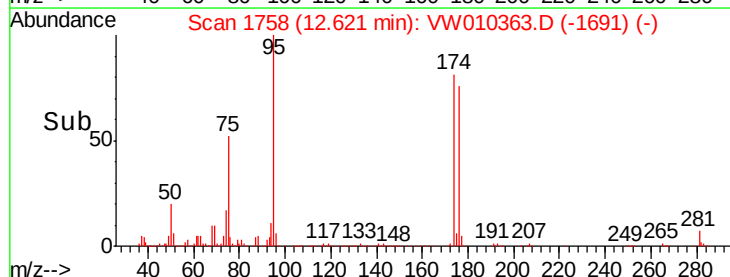
150000

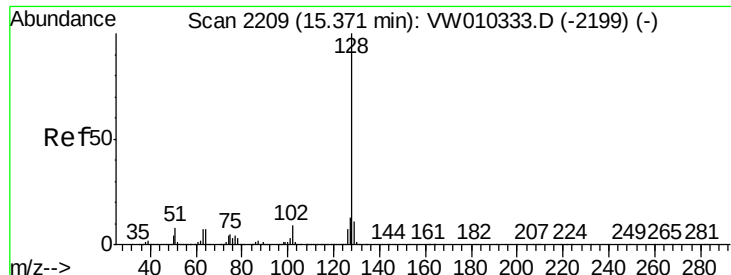
100000

50000

0

Time-->





#95

Naphthalene

Concen: 3.945 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010363.D

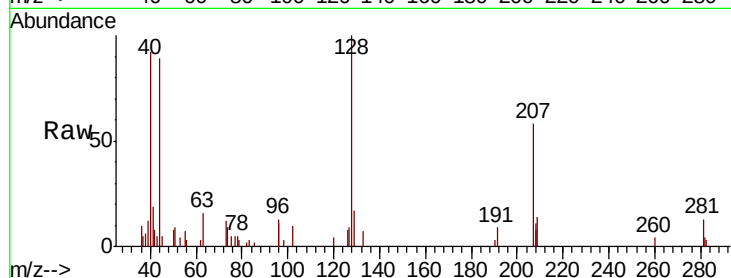
Acq: 10 May 2019 18:31

Instrument :

MSVOA_W

ClientSampleId :

P026-SS004-0612-01



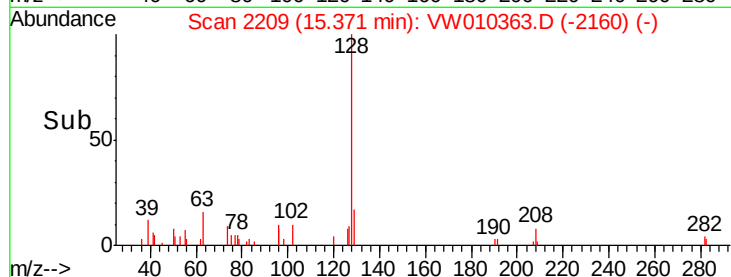
Tgt Ion:128 Resp: 4735

Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

129 15.7 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

