

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011819\
 Data File : VW008363.D
 Acq On : 18 Jan 2019 18:23
 Operator : SY/VA
 Sample : K1013-07
 Misc : 6.11G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-01-011819-D

Quant Time: Jan 19 01:46:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	83331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	161399	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	137087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	51367	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	56353	65.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.02%	
35) Dibromofluoromethane	7.88	113	54030	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
50) Toluene-d8	10.32	98	204703	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
62) 4-Bromofluorobenzene	12.62	95	60365	41.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.16%	

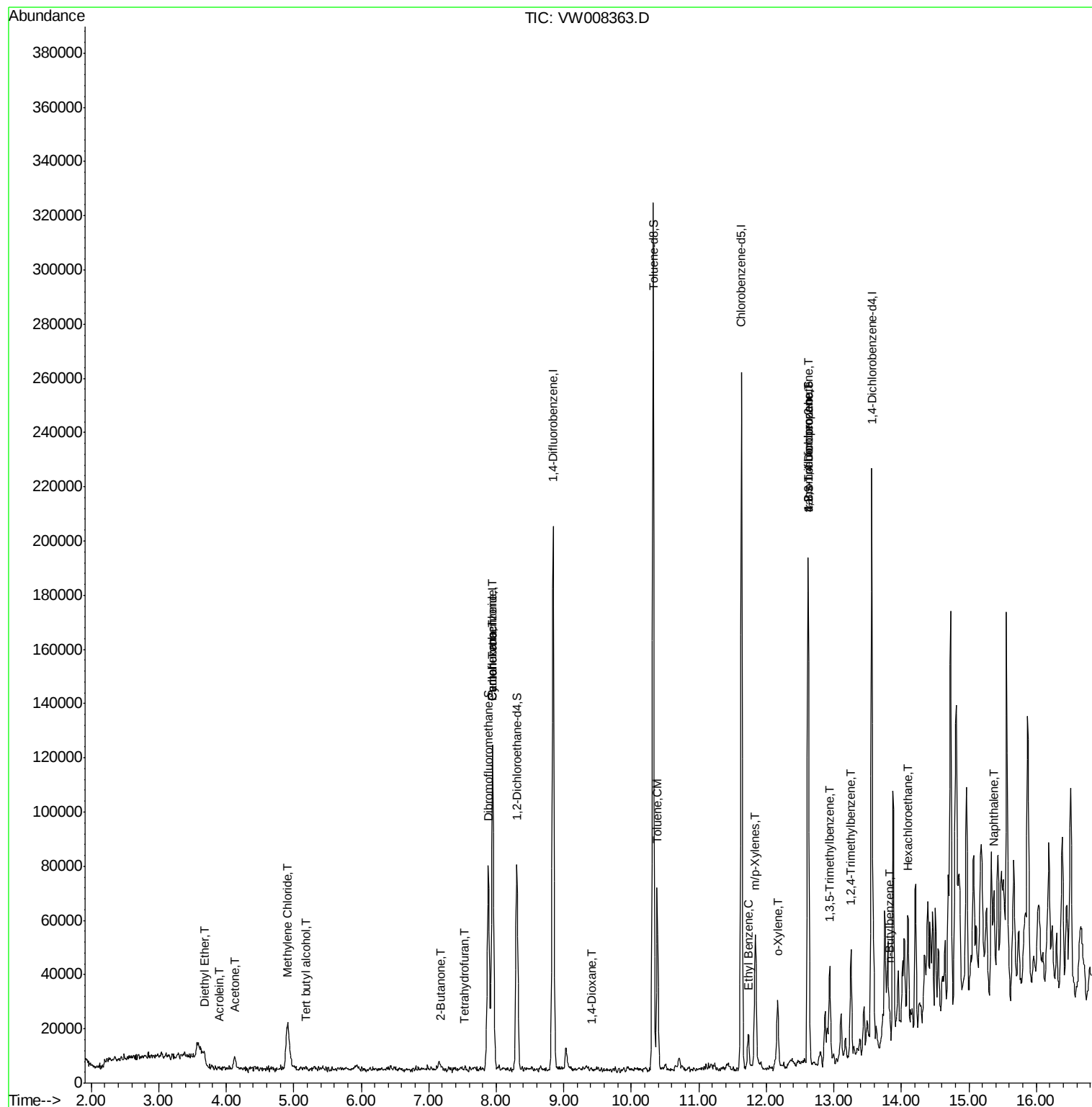
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	2484	4.961	ug/l	72
11) Tert butyl alcohol	5.17	59	303	5.192	ug/l	94
13) Acrolein	3.90	56	310	12.740	ug/l #	17
16) Acetone	4.13	43	7915	39.317	ug/l	97
20) Methylene Chloride	4.91	84	15959	14.571	ug/l	90
25) 2-Butanone	7.18	43	570	2.211	ug/l #	48
29) Tetrahydrofuran	7.52	42	286	1.779	ug/l #	53
31) Cyclohexane	7.95	56	2447	1.511	ug/l #	1
38) Carbon Tetrachloride	7.95	117	8777	5.474	ug/l #	19
49) 1,4-Dioxane	9.43	88	24	2.504	ug/l #	1
52) Toluene	10.38	92	28360	9.743	ug/l	99
67) Ethyl Benzene	11.74	91	8938	1.722	ug/l	97
68) m/p-Xylenes	11.83	106	13501	6.700	ug/l	93
69) o-Xylene	12.17	106	6044	3.210	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	30858	65.967	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.94	105	8716	2.791	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.62	75	30858	157.426	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.26	105	21028	6.609	ug/l	98
89) n-Butylbenzene	13.83	91	10616	3.211	ug/l #	68
90) Hexachloroethane	14.10	117	2506	3.928	ug/l #	11
95) Naphthalene	15.37	128	25063	14.449	ug/l #	91

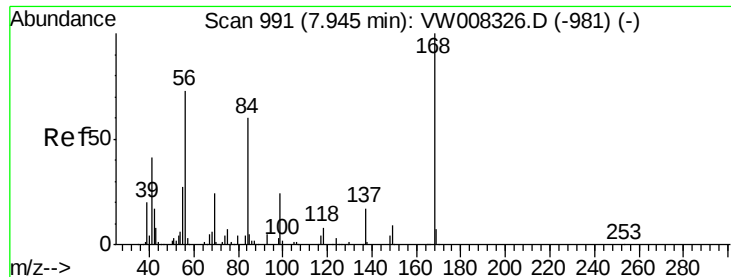
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VW008363.D

Acq: 18 Jan 2019 18:23

Instrument :

MSVOA_W

ClientSampleId :

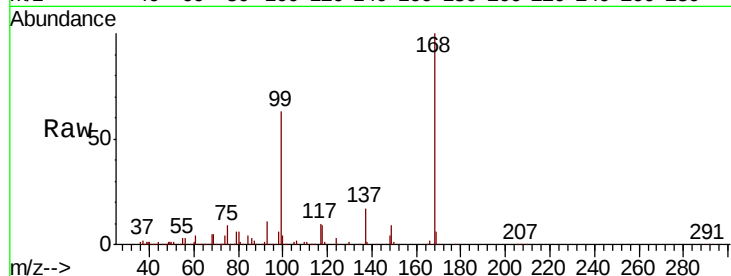
PL-01-011819-D

Tgt Ion:168 Resp: 83331

Ion Ratio Lower Upper

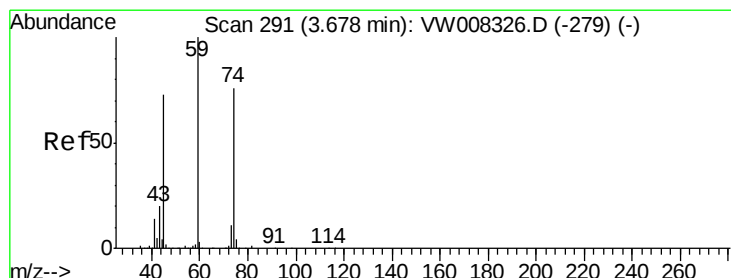
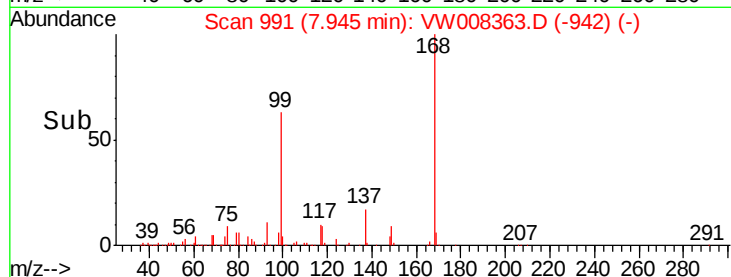
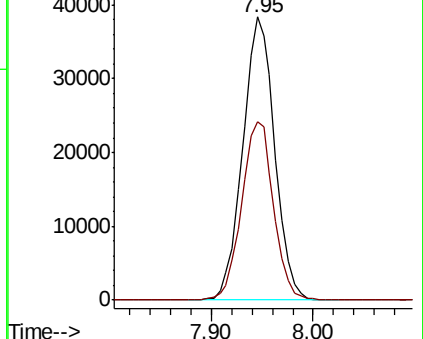
168 100

99 62.9 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 4.961 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW008363.D

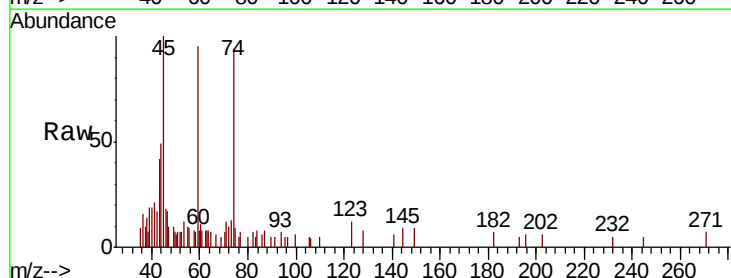
Acq: 18 Jan 2019 18:23

Tgt Ion: 74 Resp: 2484

Ion Ratio Lower Upper

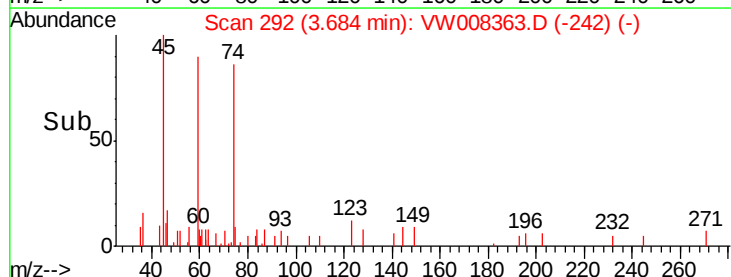
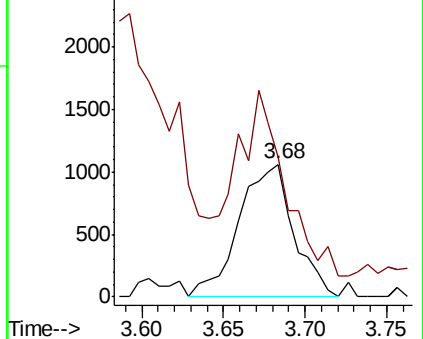
74 100

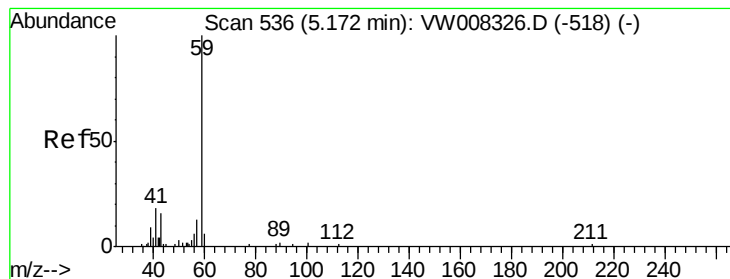
45 127.7 50.1 150.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



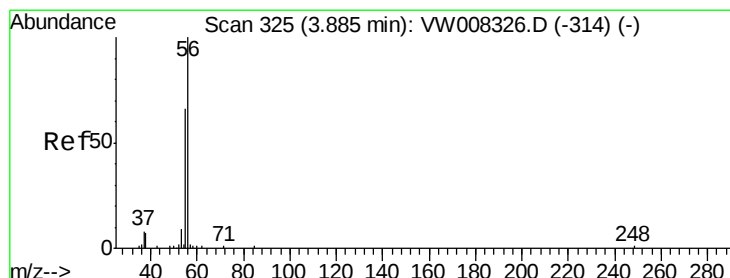
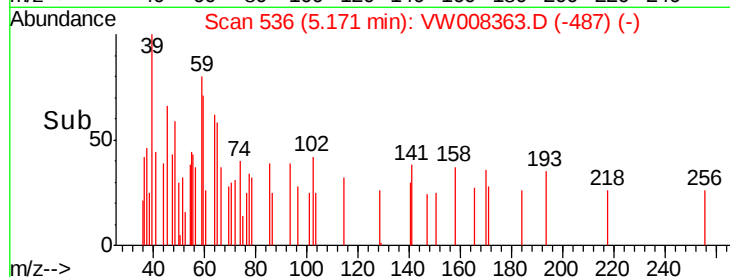
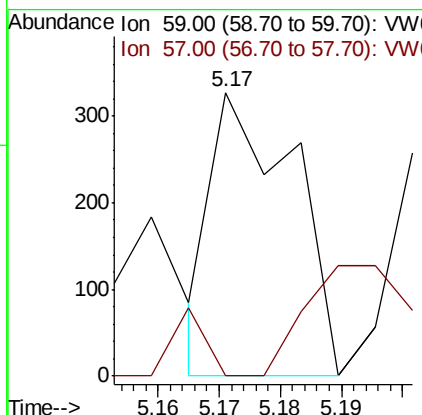
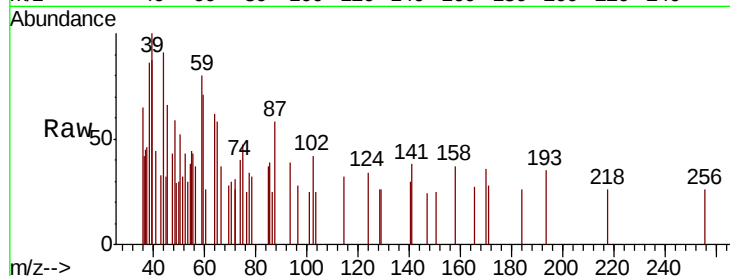


#11

Tert butyl alcohol
 Concen: 5.192 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VW008363.D
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Instrument :
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 ClientSampleId :
 PL-01-011819-D

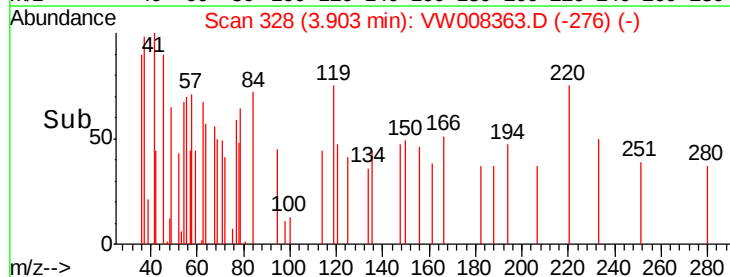
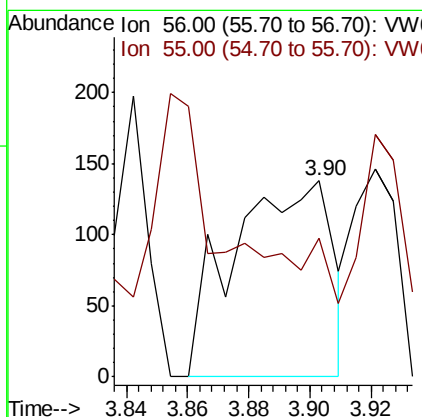
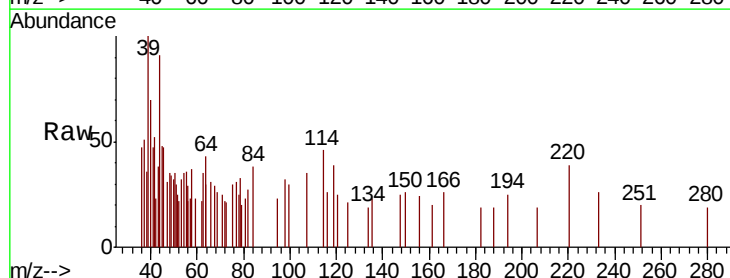
Tgt Ion: 59 Resp: 303
 Ion Ratio Lower Upper
 59 100
 57 9.6 9.4 14.2

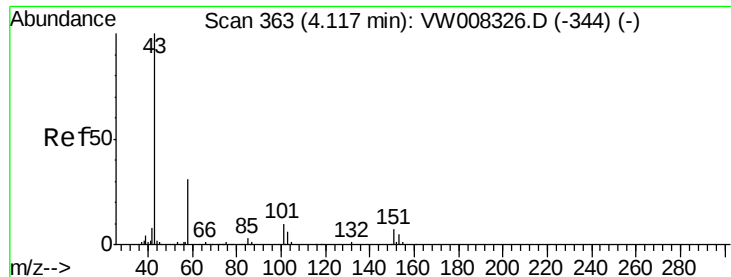


#13

Acrolein
 Concen: 12.740 ug/l
 RT: 3.90 min Scan# 328
 Delta R.T. 0.02 min
 Lab File: VW008363.D
 Acq: 18 Jan 2019 18:23

Tgt Ion: 56 Resp: 310
 Ion Ratio Lower Upper
 56 100
 55 0.0 52.9 79.3#

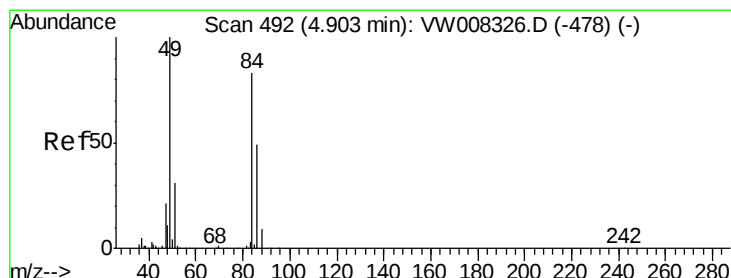
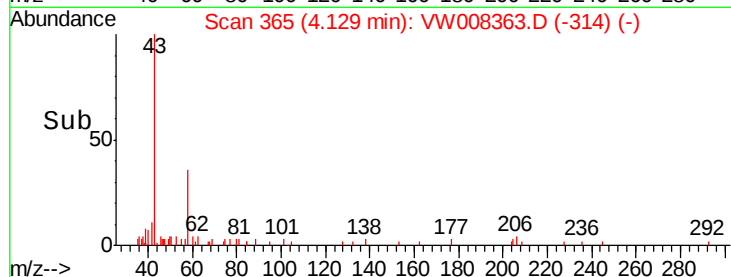
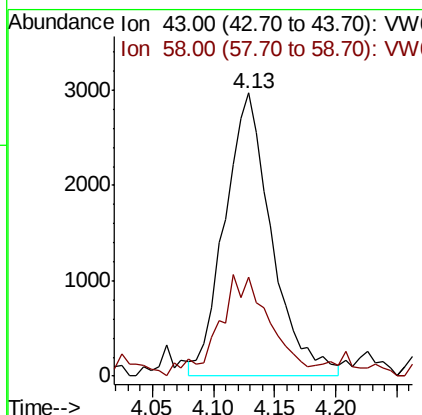
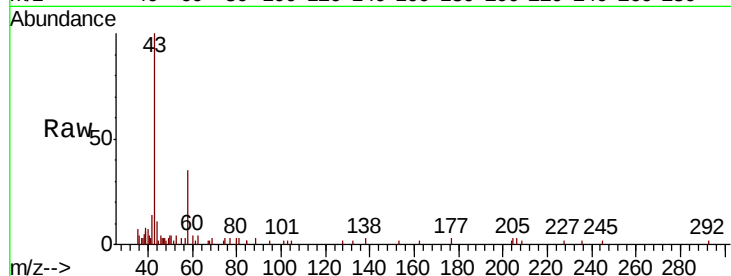




#16
Acetone
Concen: 39.317 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW008363.D
Acq: 18 Jan 2019 18:23

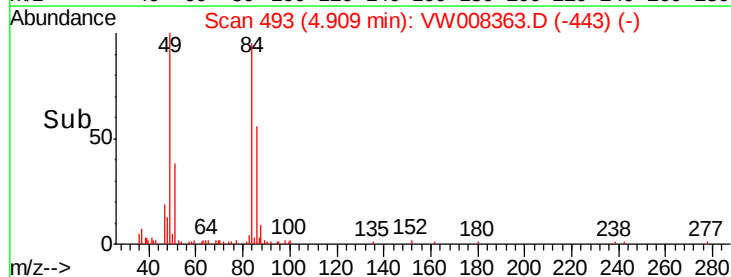
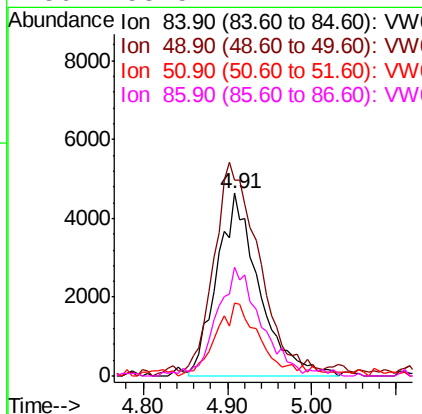
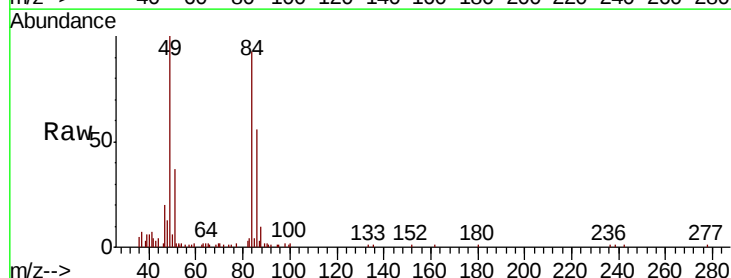
Instrument :
MSVOA_W
ClientSampleId :
PL-01-011819-D

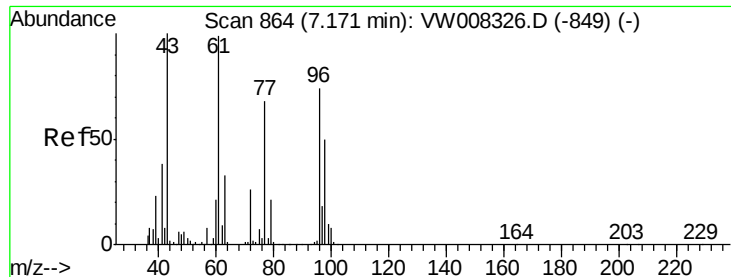
Tgt Ion: 43 Resp: 7915
Ion Ratio Lower Upper
43 100
58 32.6 24.7 37.1



#20
Methylene Chloride
Concen: 14.571 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW008363.D
Acq: 18 Jan 2019 18:23

Tgt Ion: 84 Resp: 15959
Ion Ratio Lower Upper
84 100
49 101.6 95.9 143.9
51 37.7 29.3 43.9
86 58.5 47.4 71.2





#25

2-Butanone

Concen: 2.211 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW008363.D

Acq: 18 Jan 2019 18:23

Instrument :

MSVOA_W

ClientSampleId :

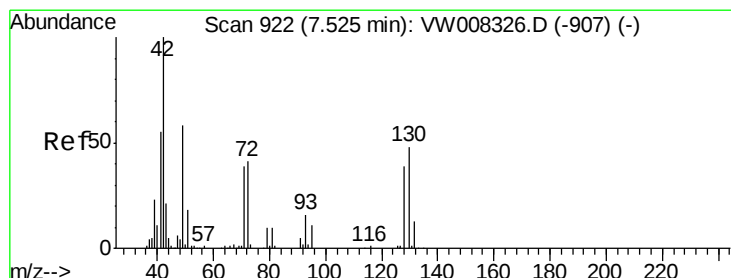
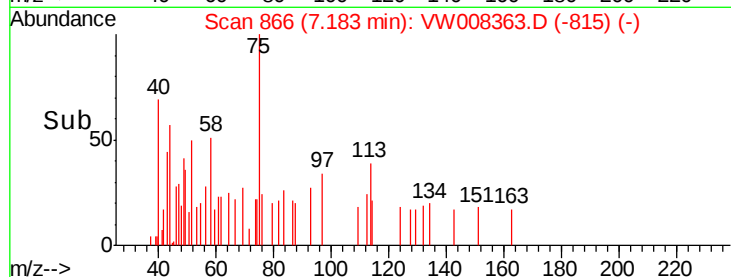
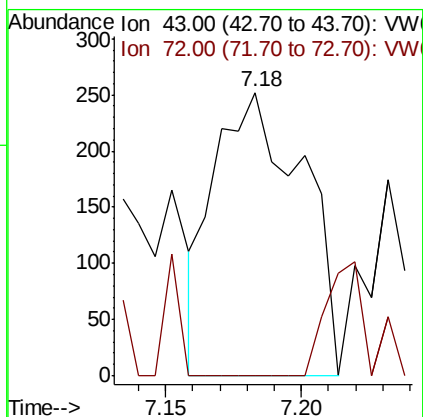
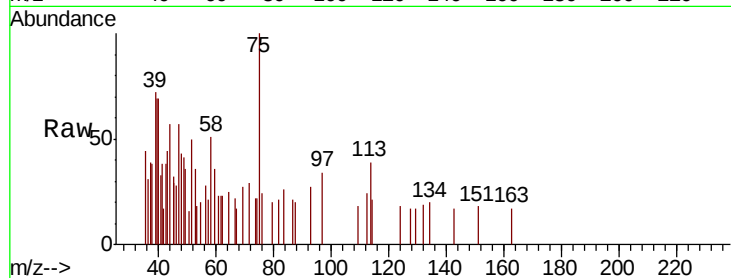
PL-01-011819-D

Tgt Ion: 43 Resp: 570

Ion Ratio Lower Upper

43 100

72 0.0 21.2 31.8#



#29

Tetrahydrofuran

Concen: 1.779 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

Lab File: VW008363.D

Acq: 18 Jan 2019 18:23

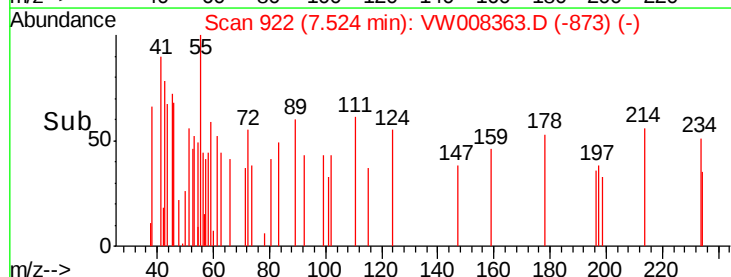
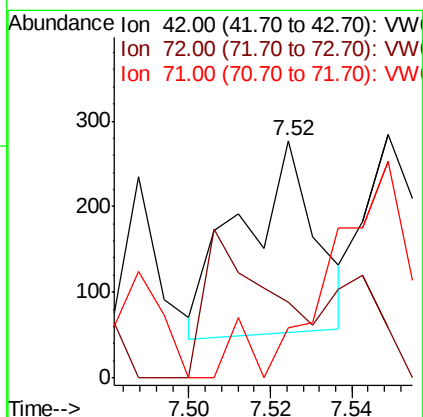
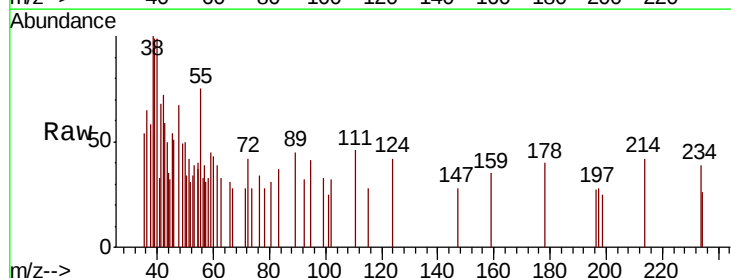
Tgt Ion: 42 Resp: 286

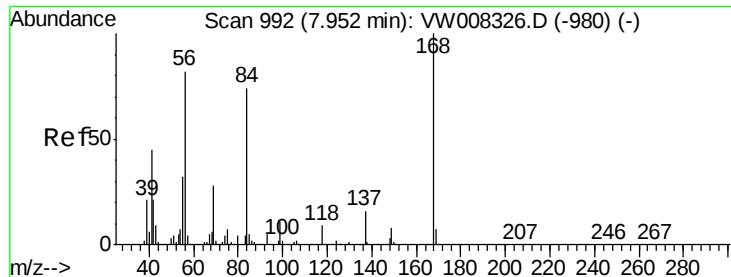
Ion Ratio Lower Upper

42 100

72 70.3 34.0 51.0#

71 9.1 32.0 48.0#

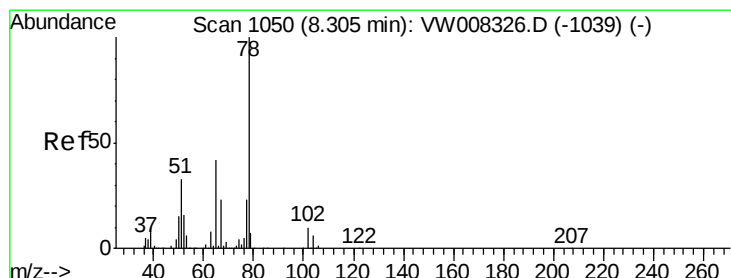
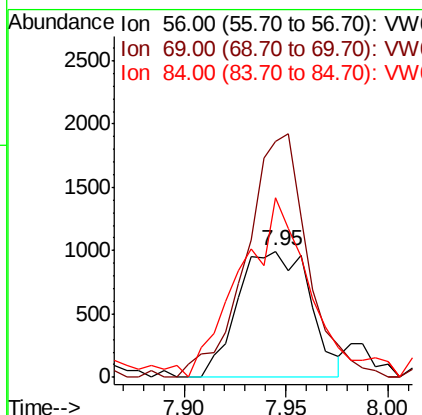
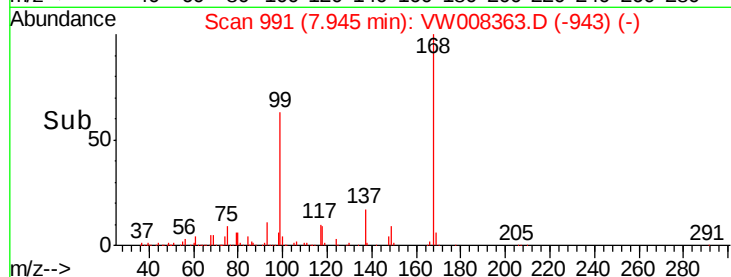
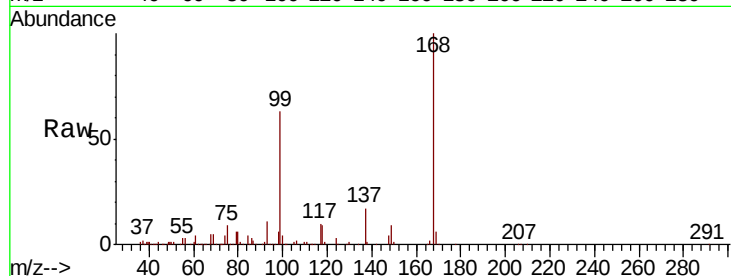




#31
Cyclohexane
Concen: 1.511 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008363.D
Acq: 18 Jan 2019 18:23

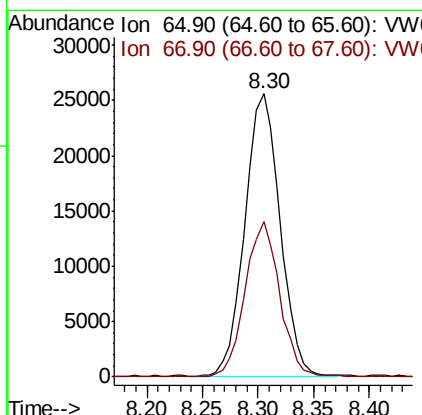
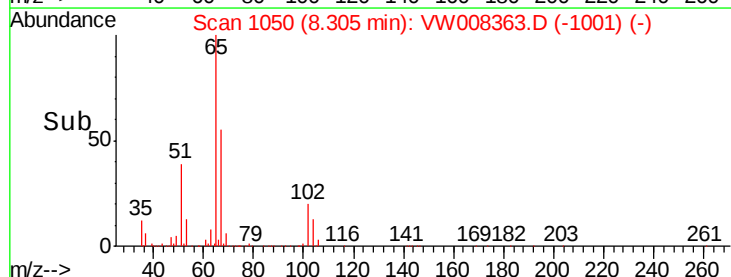
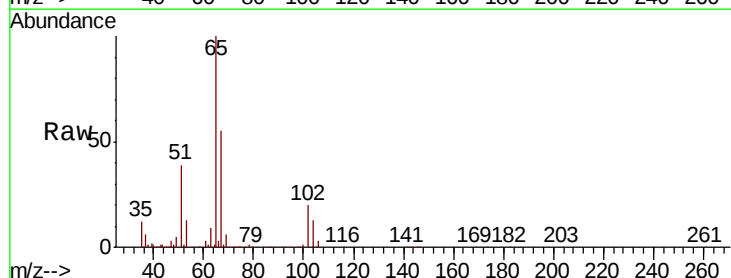
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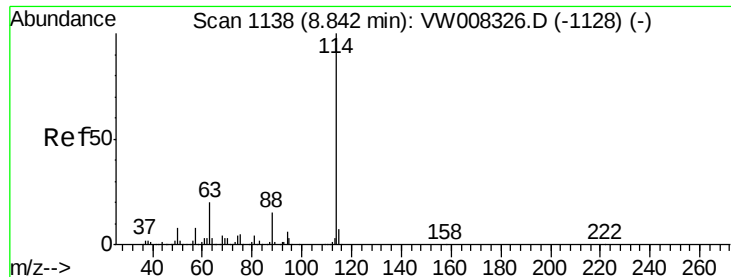
Tgt Ion: 56 Resp: 2447
Ion Ratio Lower Upper
56 100
69 177.3 27.0 40.6#
84 142.6 72.5 108.7#



#33
1,2-Dichloroethane-d4
Concen: 65.010 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW008363.D
Acq: 18 Jan 2019 18:23

Tgt Ion: 65 Resp: 56353
Ion Ratio Lower Upper
65 100
67 54.1 0.0 106.2

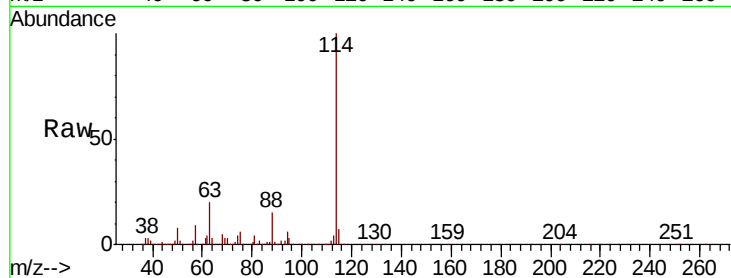




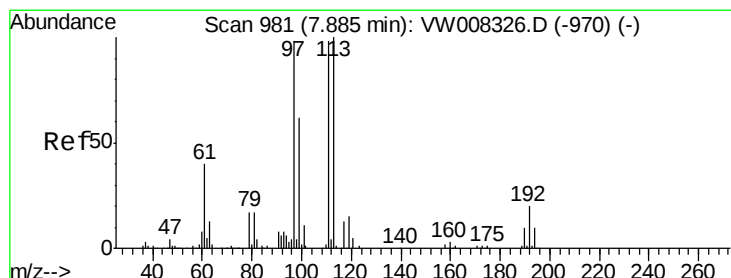
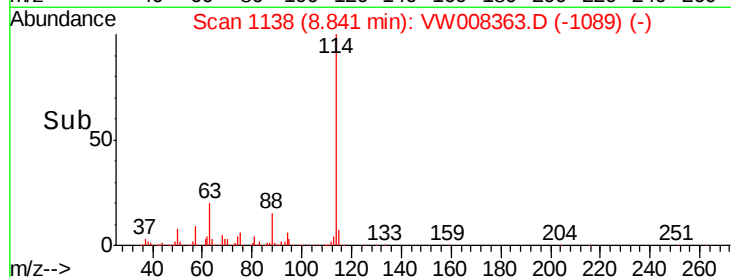
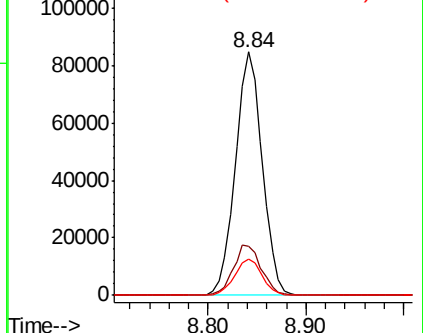
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008363.D
 Acq: 18 Jan 2019 18:23

Instrument :
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 PL-01-011819-D

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.8
88	15.1	0.0	30.4

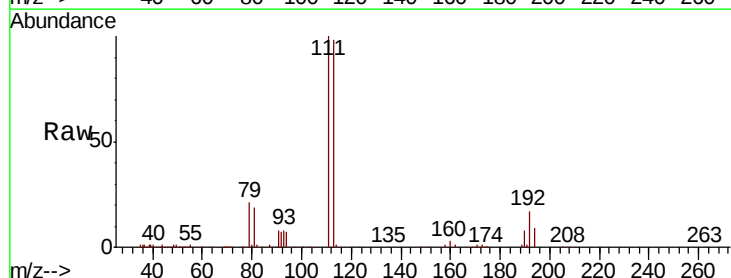


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

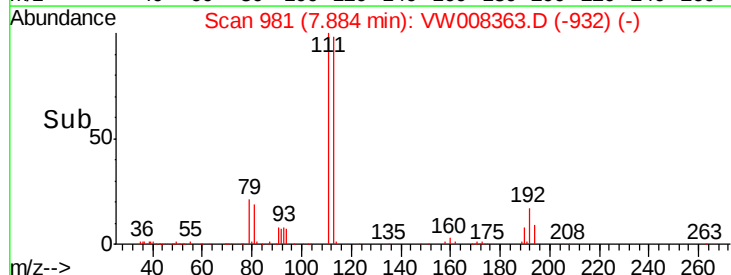
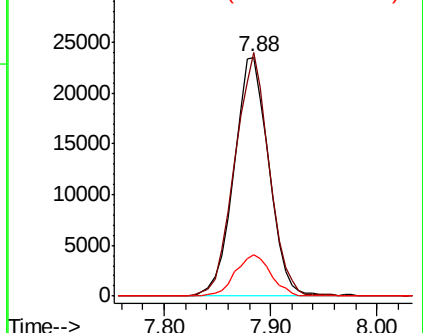


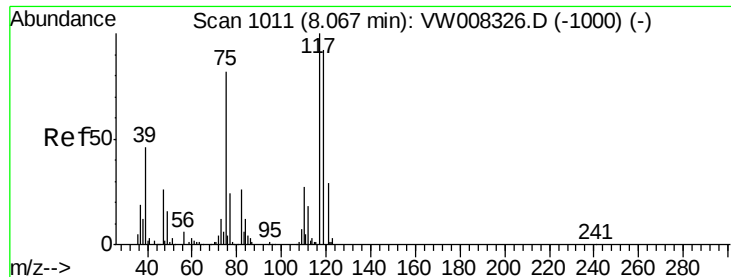
#35
 Dibromofluoromethane
 Concen: 52.443 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008363.D
 Acq: 18 Jan 2019 18:23

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.8	122.8
192	17.9	16.3	24.5



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

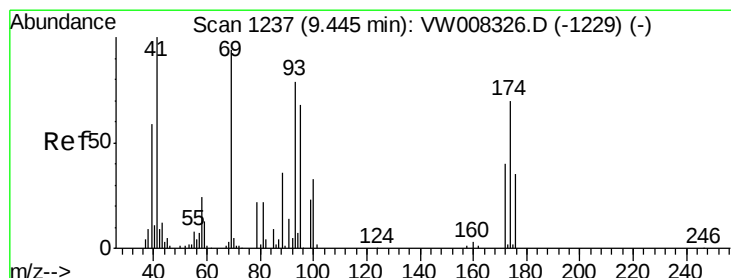
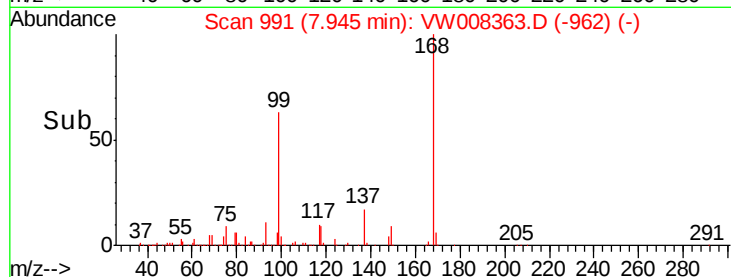
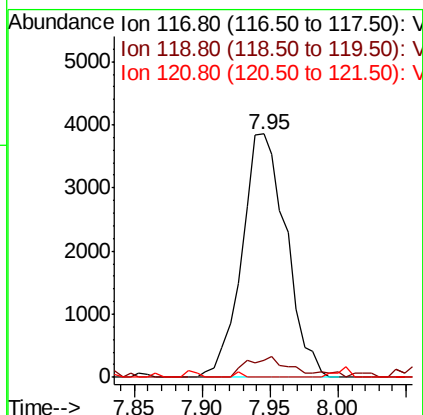
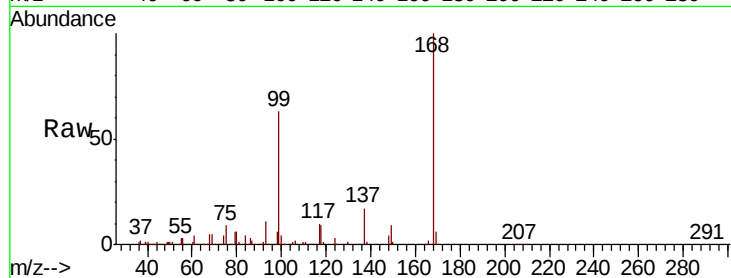




#38
Carbon Tetrachloride
Concen: 5.474 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008363.D
Acq: 18 Jan 2019 18:23

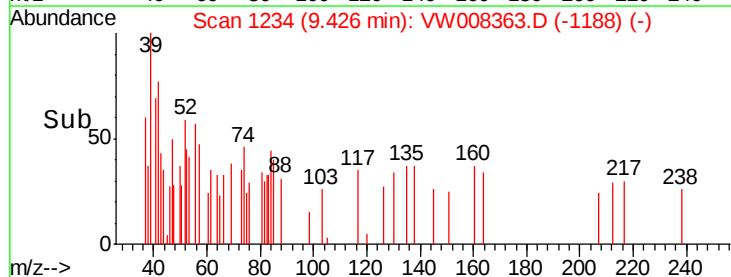
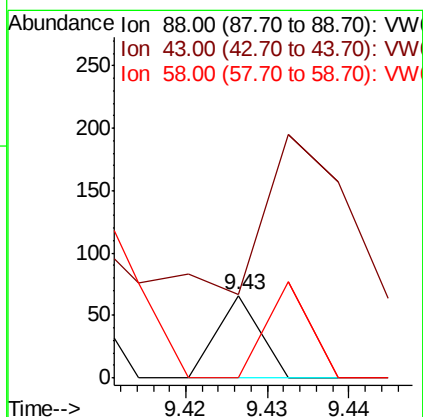
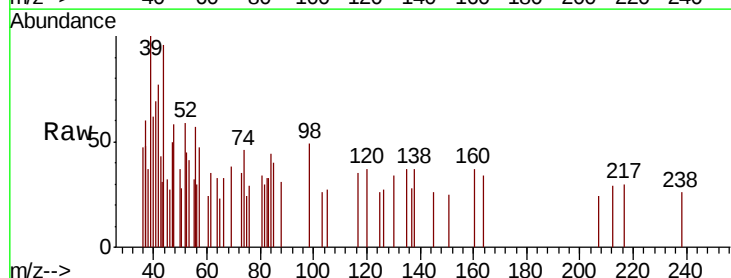
Instrument :
MSVOA_W
ClientSampleId :
PL-01-011819-D

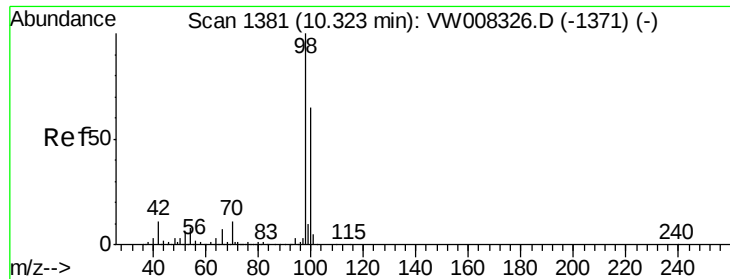
Tgt Ion: 117 Resp: 8777
Ion Ratio Lower Upper
117 100
119 7.1 73.8 110.6#
121 0.0 23.4 35.0#



#49
1,4-Dioxane
Concen: 2.504 ug/l
RT: 9.43 min Scan# 1234
Delta R.T. -0.02 min
Lab File: VW008363.D
Acq: 18 Jan 2019 18:23

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 341.7 27.1 40.7#
58 116.7 57.9 86.9#





#50

Toluene-d8

Concen: 50.576 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008363.D

Acq: 18 Jan 2019 18:23

Instrument :

MSVOA_W

ClientSampleId :

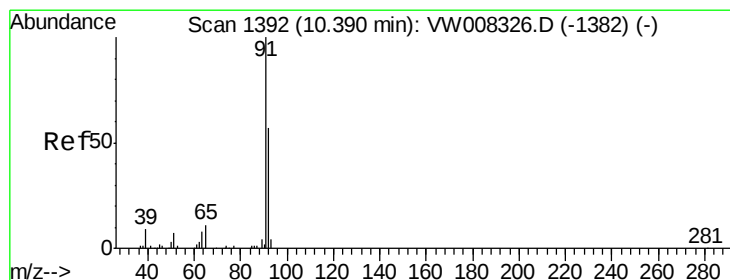
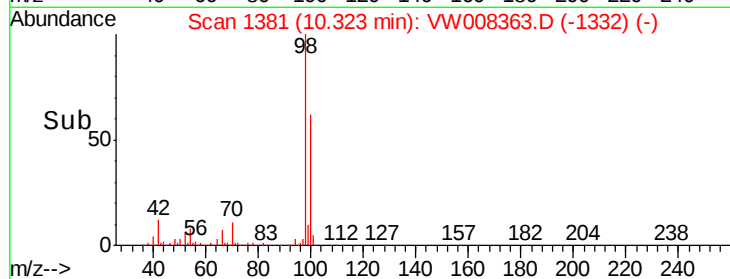
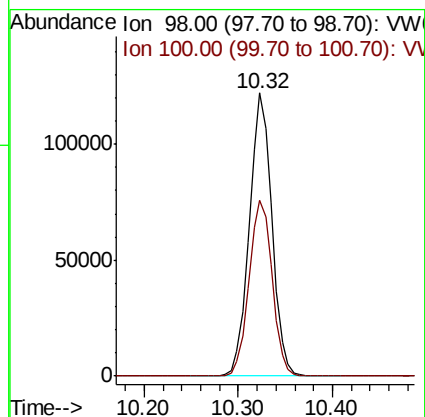
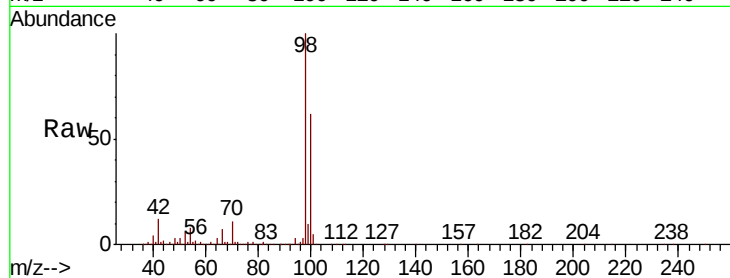
PL-01-011819-D

Tgt Ion: 98 Resp: 204703

Ion Ratio Lower Upper

98 100

100 64.0 51.8 77.8



#52

Toluene

Concen: 9.743 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008363.D

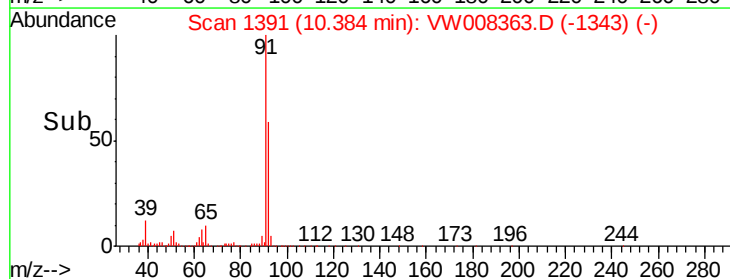
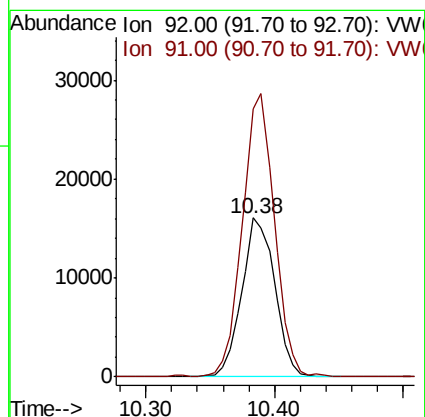
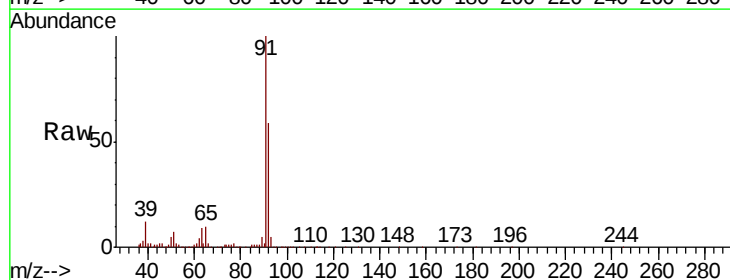
Acq: 18 Jan 2019 18:23

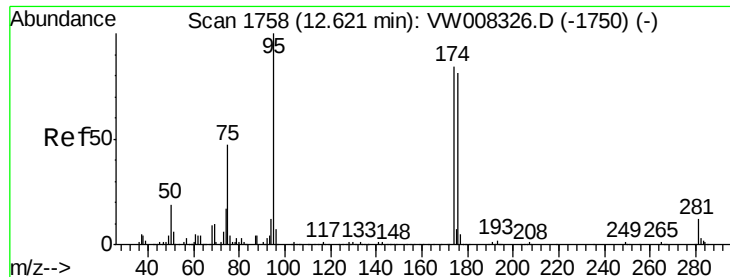
Tgt Ion: 92 Resp: 28360

Ion Ratio Lower Upper

92 100

91 173.4 140.2 210.2

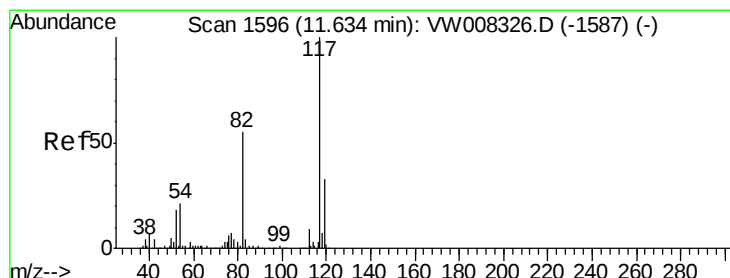
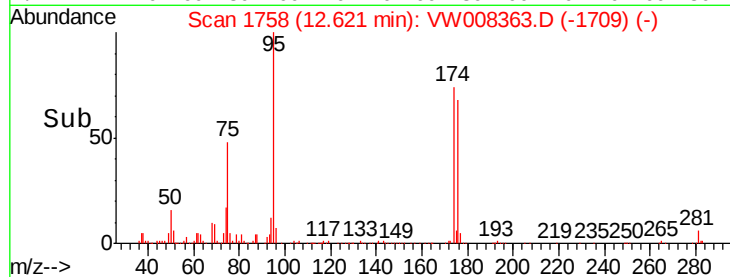
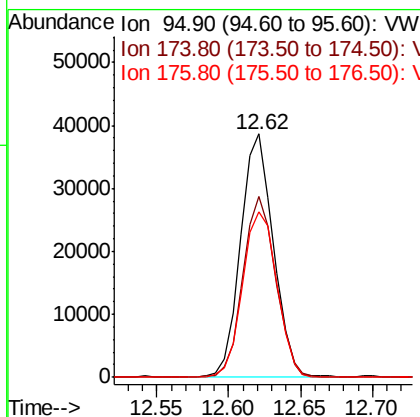
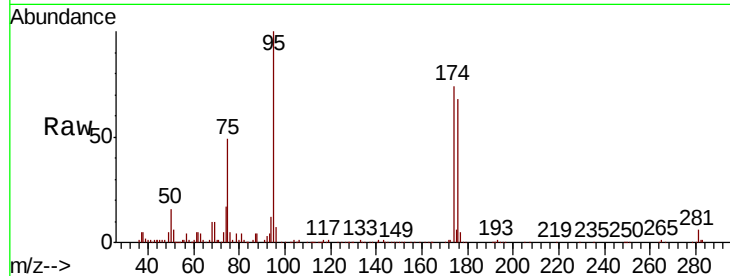




#62
4-Bromofluorobenzene
Concen: 41.585 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW008363.D
Acq: 18 Jan 2019 18:23

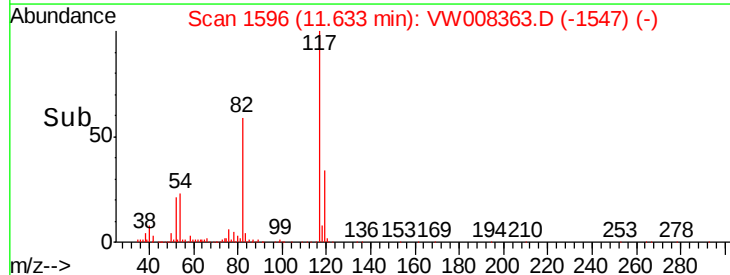
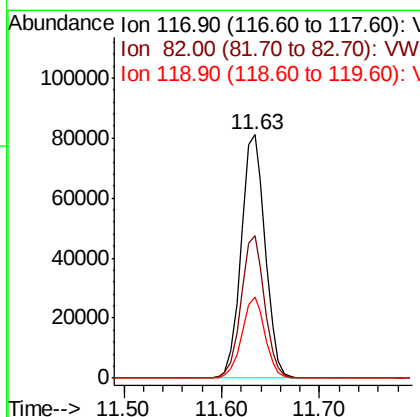
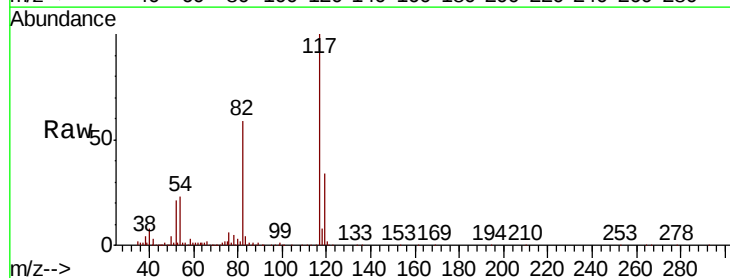
Instrument :
MSVOA_W
ClientSampleId :
PL-01-011819-D

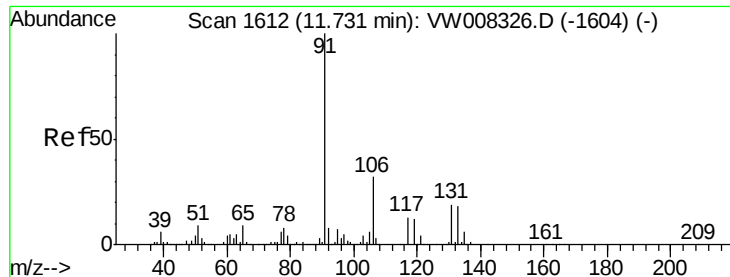
Tgt Ion: 95 Resp: 60365
Ion Ratio Lower Upper
95 100
174 75.2 0.0 166.0
176 71.7 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008363.D
Acq: 18 Jan 2019 18:23

Tgt Ion: 117 Resp: 137087
Ion Ratio Lower Upper
117 100
82 58.6 44.3 66.5
119 33.6 26.3 39.5

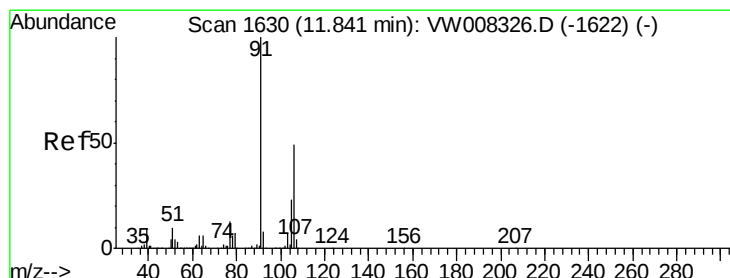
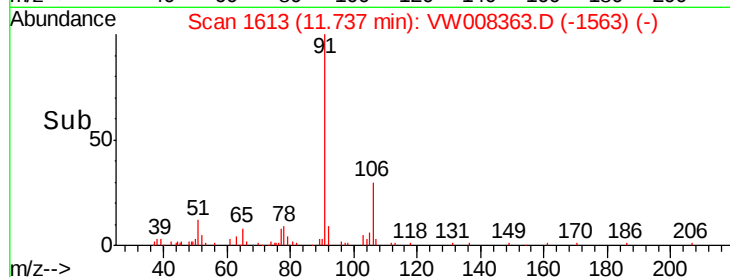
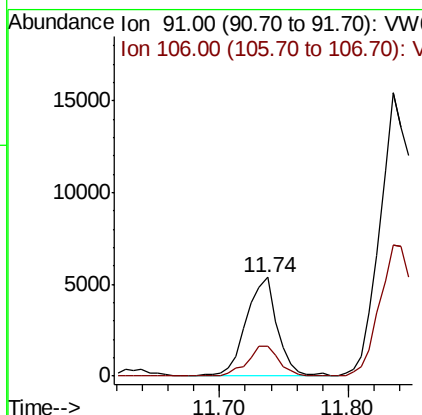
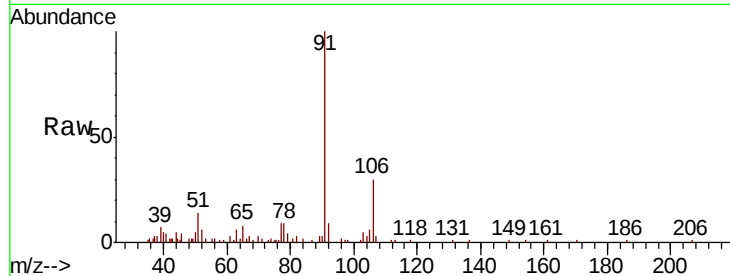




#67
Ethyl Benzene
Concen: 1.722 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW008363.D
Acq: 18 Jan 2019 18:23

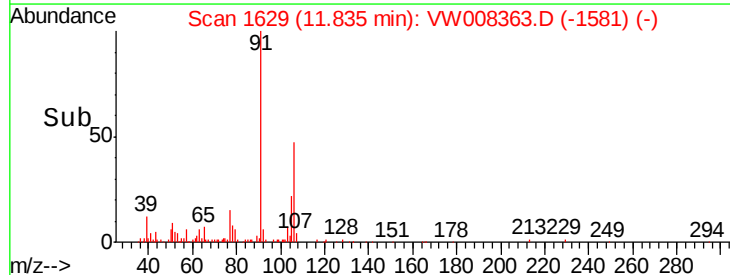
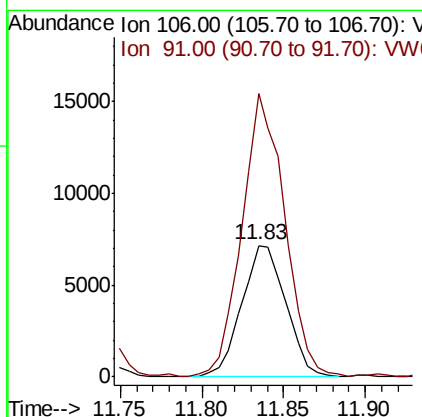
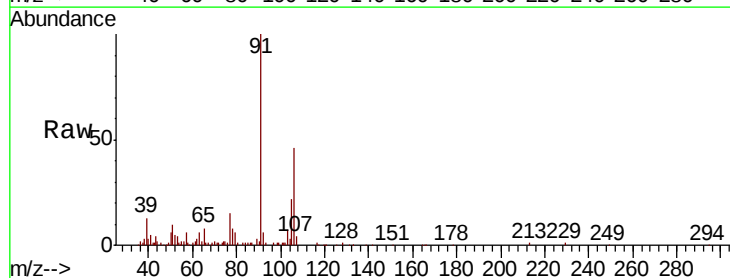
Instrument :
MSVOA_W
ClientSampleId :
PL-01-011819-D

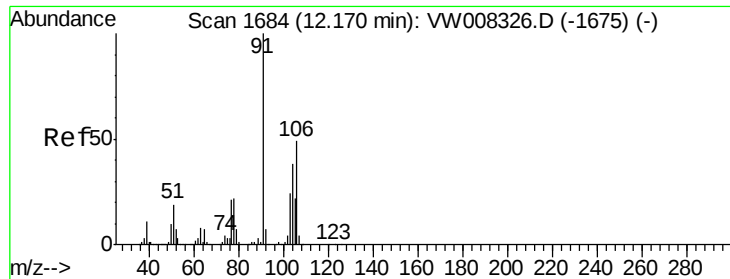
Tgt Ion: 91 Resp: 8938
Ion Ratio Lower Upper
91 100
106 30.1 25.4 38.2



#68
m/p-Xylenes
Concen: 6.700 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW008363.D
Acq: 18 Jan 2019 18:23

Tgt Ion: 106 Resp: 13501
Ion Ratio Lower Upper
106 100
91 208.3 158.4 237.6

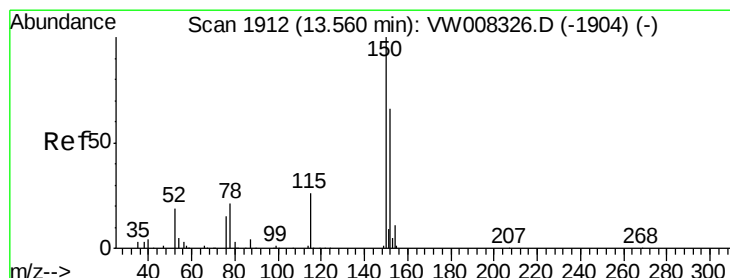
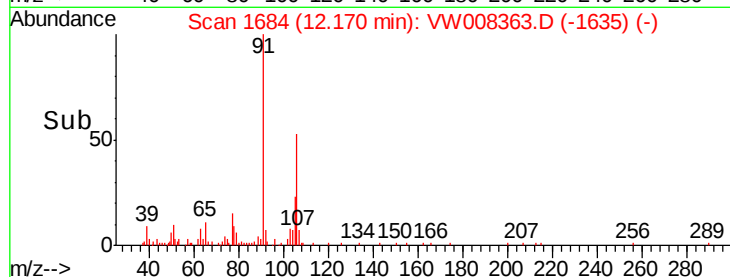
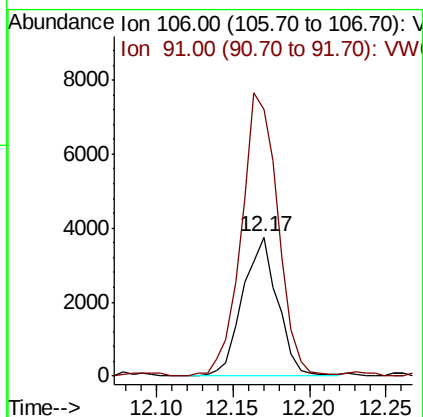
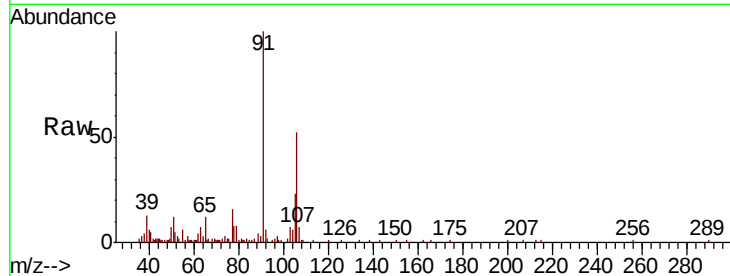




#69
o-Xylene
Concen: 3.210 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008363.D
Acq: 18 Jan 2019 18:23

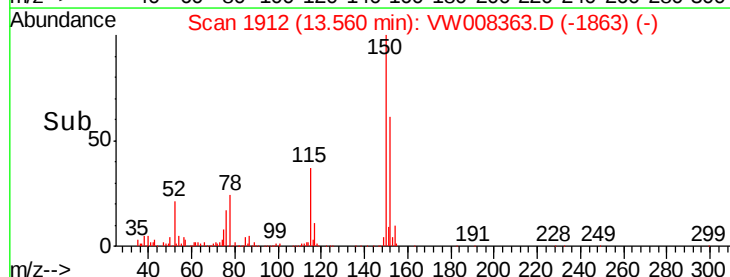
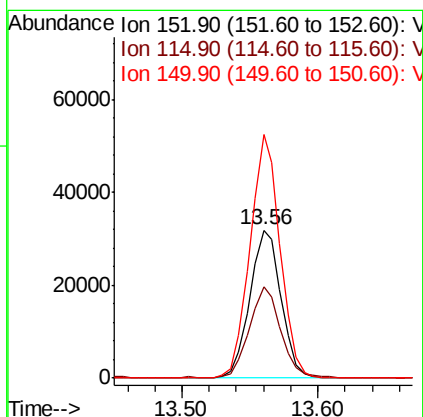
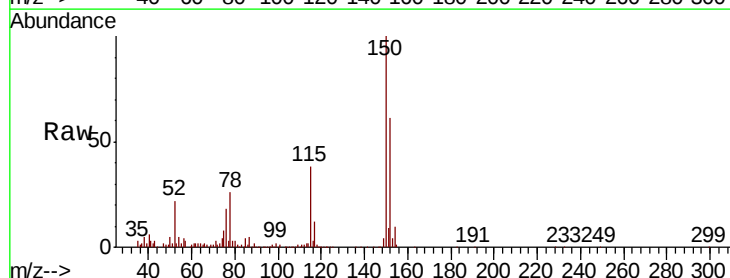
Instrument :
MSVOA_W
ClientSampleId :
PL-01-011819-D

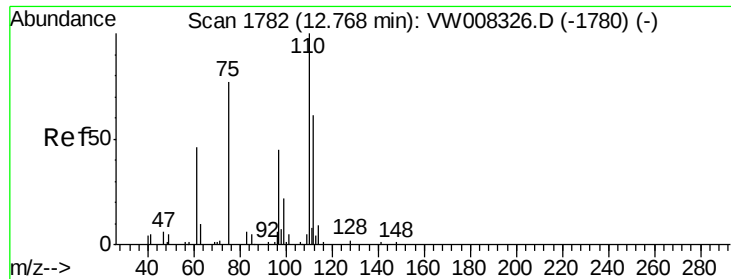
Tgt Ion:106 Resp: 6044
Ion Ratio Lower Upper
106 100
91 210.7 104.1 312.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008363.D
Acq: 18 Jan 2019 18:23

Tgt Ion:152 Resp: 51367
Ion Ratio Lower Upper
152 100
115 61.3 28.8 86.4
150 157.8 0.0 351.4

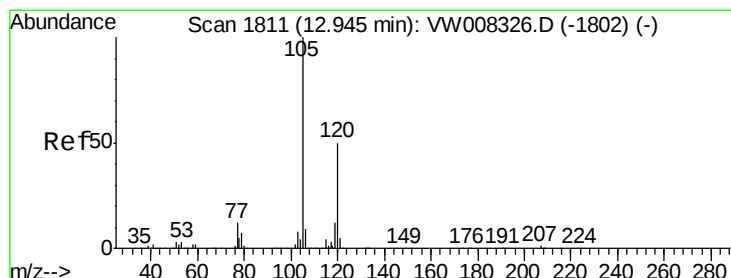
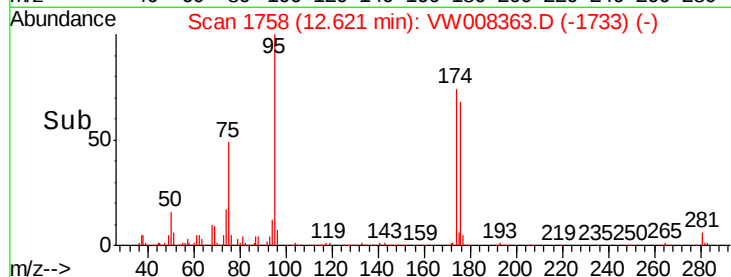
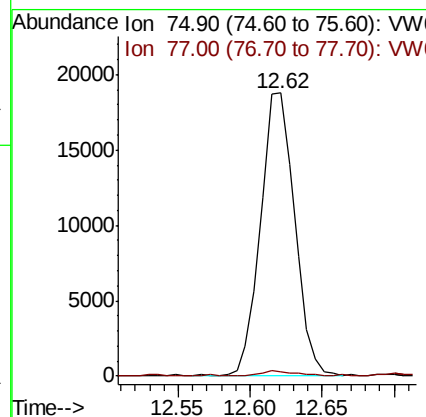
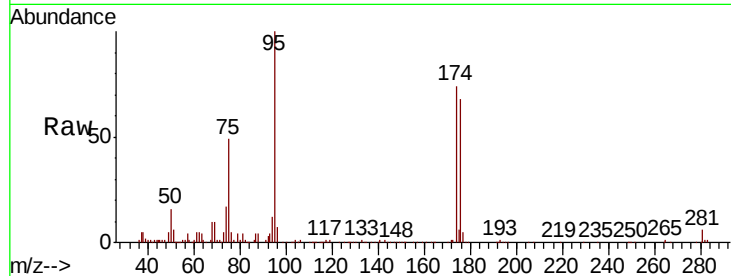




#76
 1,2,3-Trichloropropane
 Concen: 65.967 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW008363.D
 Acq: 18 Jan 2019 18:23

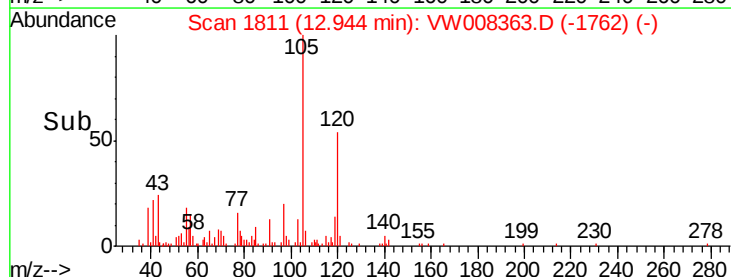
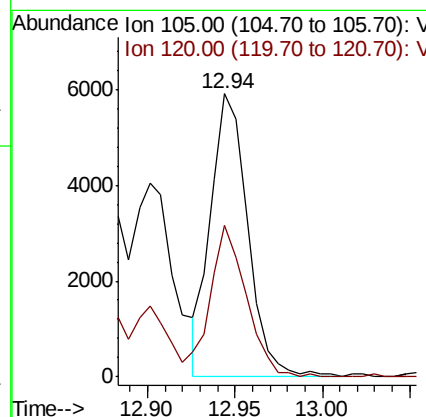
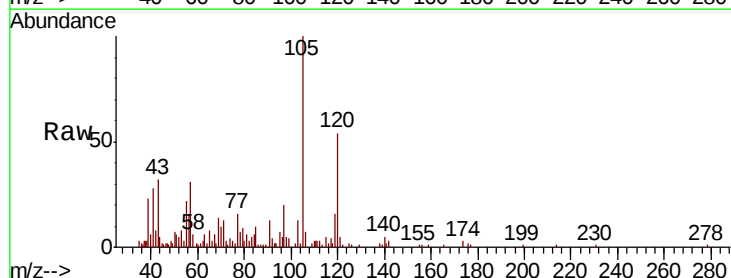
Instrument :
 MSVOA_W
 ClientSampleId :
 PL-01-011819-D

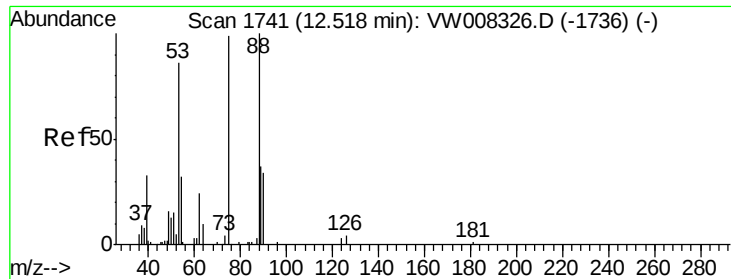
Tgt Ion: 75 Resp: 30858
 Ion Ratio Lower Upper
 75 100
 77 2.2 175.3 526.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 2.791 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW008363.D
 Acq: 18 Jan 2019 18:23

Tgt Ion: 105 Resp: 8716
 Ion Ratio Lower Upper
 105 100
 120 52.4 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 157.426 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008363.D

Acq: 18 Jan 2019 18:23

Instrument :

MSVOA_W

ClientSampleId :

PL-01-011819-D

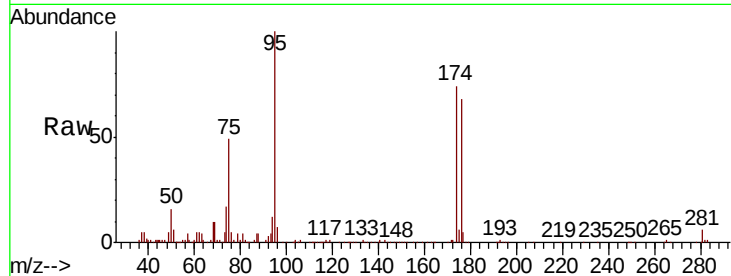
Tgt Ion: 75 Resp: 30858

Ion Ratio Lower Upper

75 100

53 0.6 76.2 114.4#

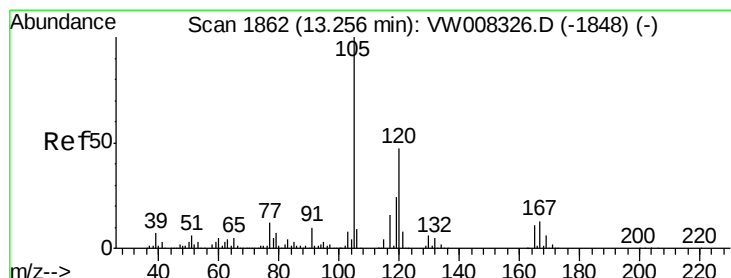
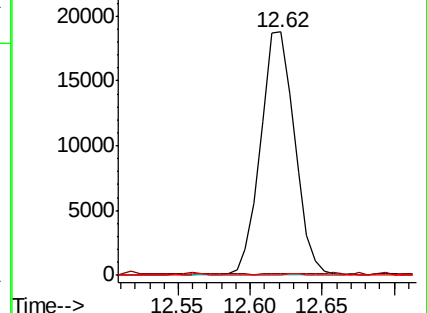
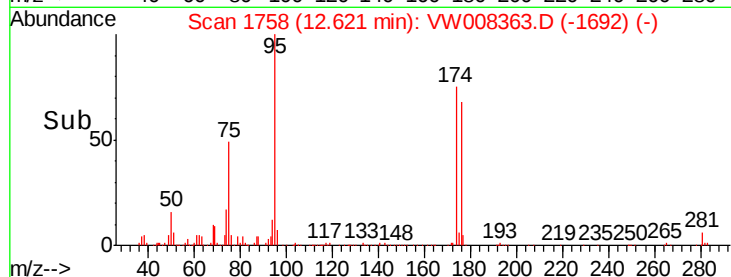
89 0.2 36.7 55.1#



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



#84

1,2,4-Trimethylbenzene

Concen: 6.609 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW008363.D

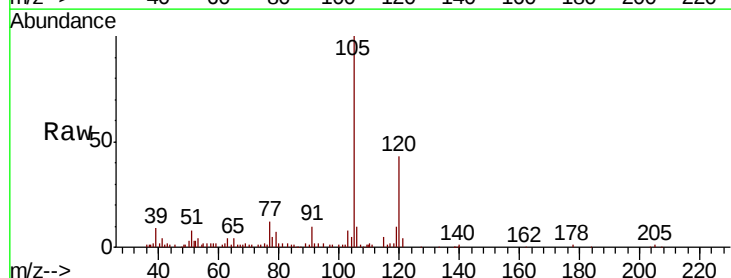
Acq: 18 Jan 2019 18:23

Tgt Ion: 105 Resp: 21028

Ion Ratio Lower Upper

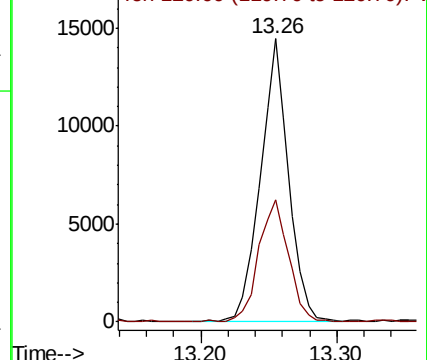
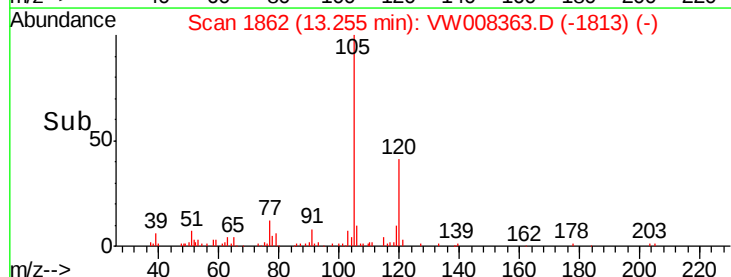
105 100

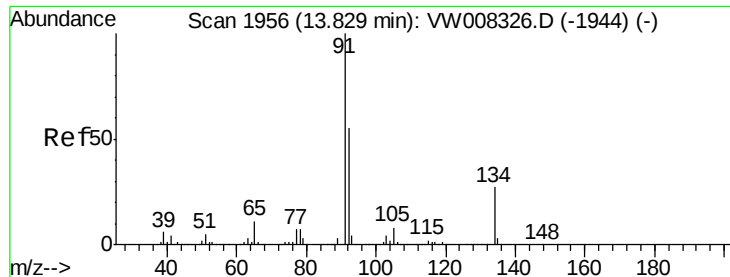
120 45.8 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

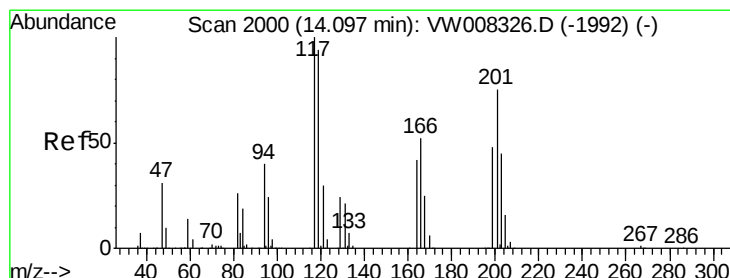
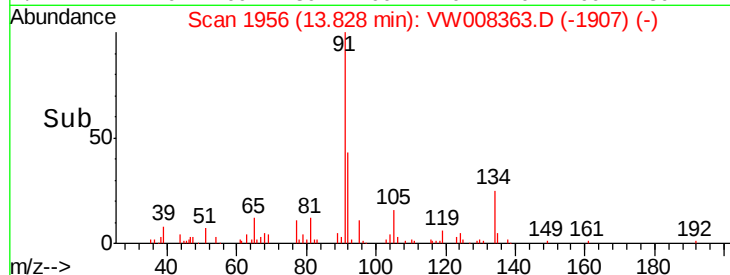
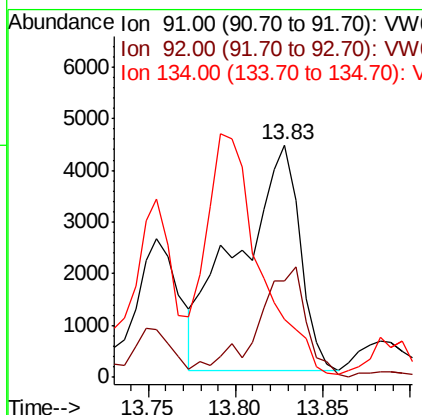
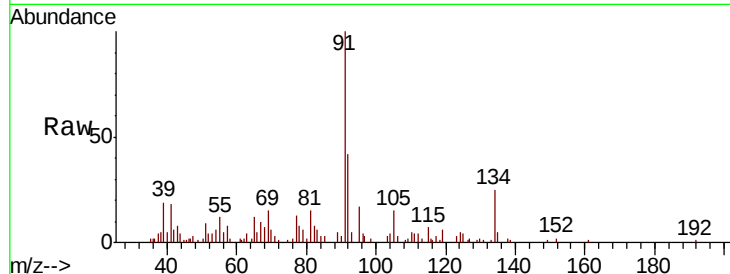




#89
n-Butylbenzene
Concen: 3.211 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008363.D
Acq: 18 Jan 2019 18:23

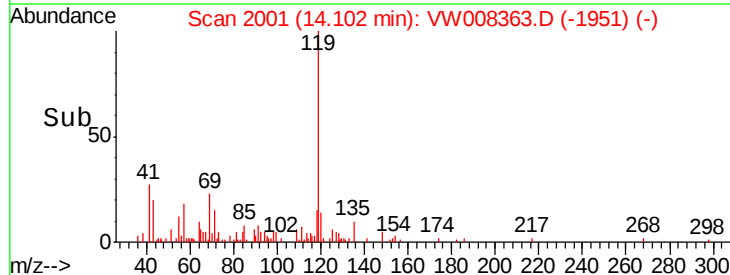
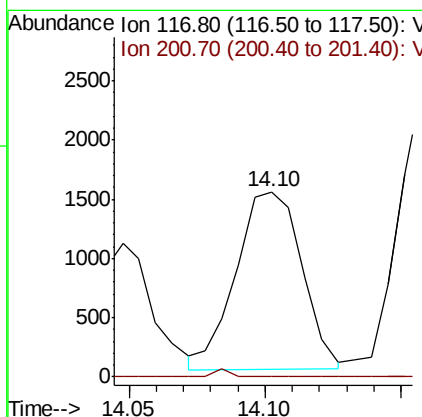
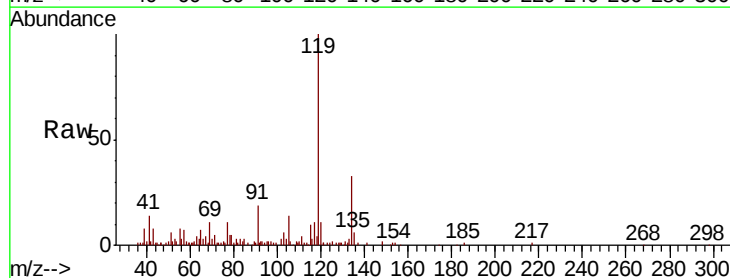
Instrument :
MSVOA_W
ClientSampleId :
PL-01-011819-D

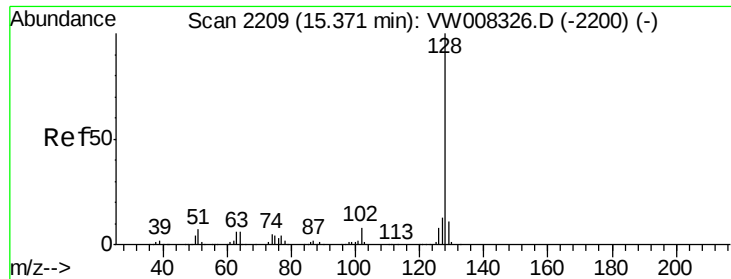
Tgt Ion: 91 Resp: 10616
Ion Ratio Lower Upper
91 100
92 38.4 27.2 81.6
134 0.0 13.4 40.1#



#90
Hexachloroethane
Concen: 3.928 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW008363.D
Acq: 18 Jan 2019 18:23

Tgt Ion: 117 Resp: 2506
Ion Ratio Lower Upper
117 100
201 1.0 39.3 117.9#

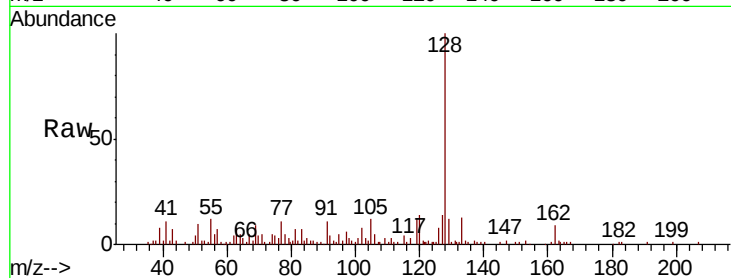




#95
 Naphthalene
 Concen: 14.449 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW008363.D
 Acq: 18 Jan 2019 18:23

Instrument :
 MSVOA_W
 ClientSampleId :
 PL-01-011819-D

Tgt Ion:128 Resp: 25063
 Ion Ratio Lower Upper
 128 100
 127 16.2 10.5 15.7#
 129 14.8 8.8 13.2#



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

