

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080819\
 Data File : VD063436.D
 Acq On : 8 Aug 2019 14:15
 Operator : JC/SY
 Sample : K3613-05
 Misc : 5.08g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WILDWOOD-AVE-PILE

Quant Time: Aug 09 07:09:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	1224475	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1650505	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1271109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	533541	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	478035	35.18	ug/l	0.03
Spiked Amount			Recovery	=	70.36%	
35) Dibromofluoromethane	6.93	113	547517	38.85	ug/l	0.02
Spiked Amount			Recovery	=	77.70%	
50) Toluene-d8	10.42	98	1056954	33.51	ug/l	0.02
Spiked Amount			Recovery	=	67.02%	
62) 4-Bromofluorobenzene	13.56	95	406543	28.29	ug/l	0.00
Spiked Amount			Recovery	=	56.58%	

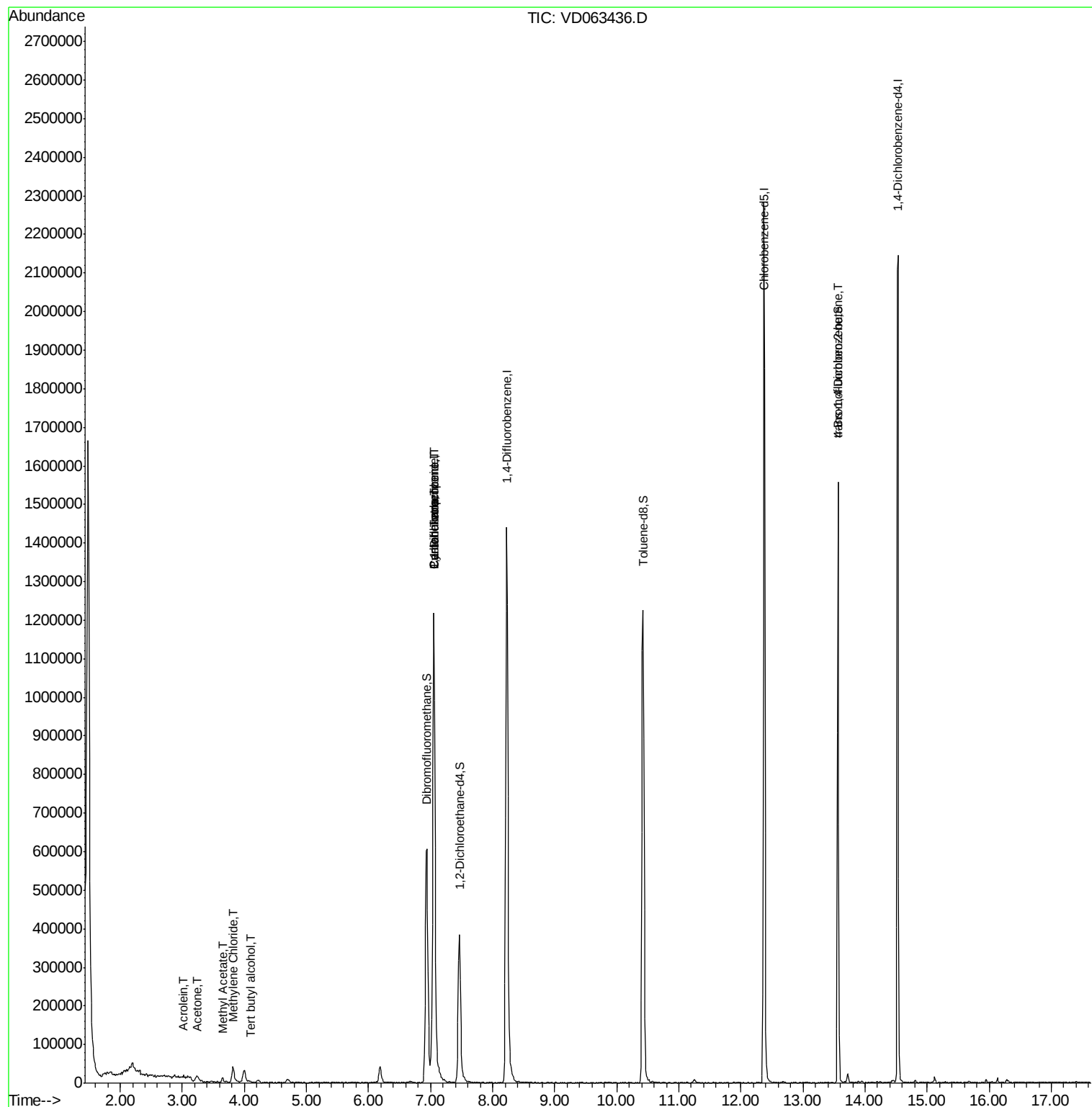
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.10	59	1890	3.170	ug/l #	69
13) Acrolein	3.02	56	584	1.018	ug/l #	15
16) Acetone	3.24	43	34916	13.190	ug/l	99
18) Methyl Acetate	3.65	43	18177	3.575	ug/l #	89
20) Methylene Chloride	3.82	84	23099	2.159	ug/l	90
31) Cyclohexane	7.05	56	25646	2.119	ug/l #	31
36) 1,1-Dichloropropene	7.05	75	96380	6.398	ug/l #	53
38) Carbon Tetrachloride	7.05	117	130847	5.770	ug/l #	13
49) 1,4-Dioxane	8.64	88	178	Below Cal	#	1
81) trans-1,4-Dichloro-2-buten	13.56	75	183757	103.262	ug/l #	3

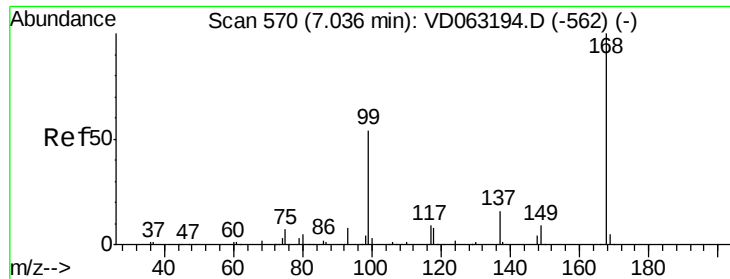
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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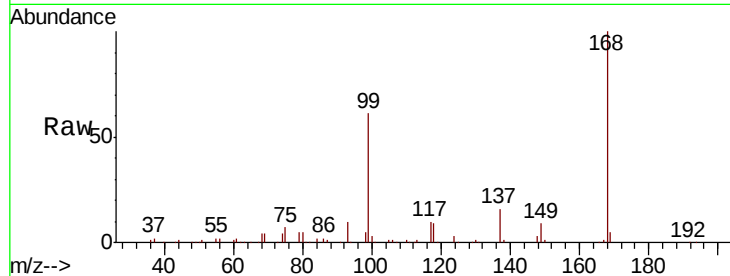


#1

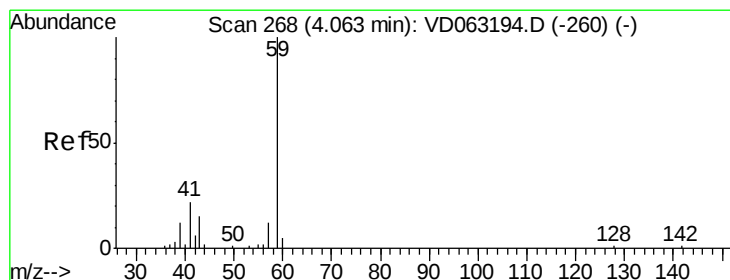
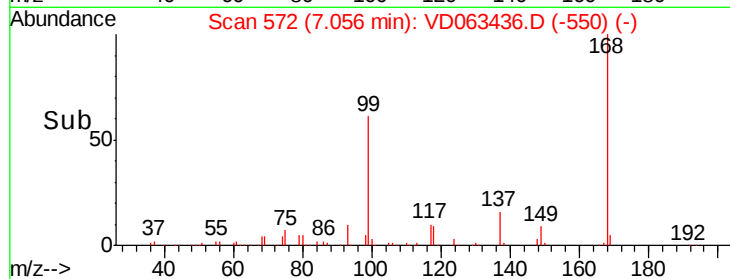
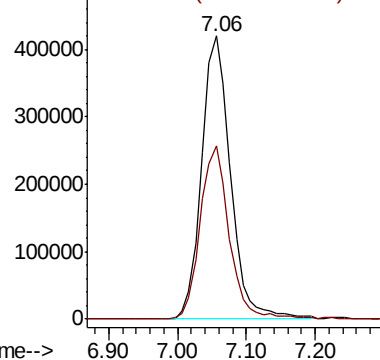
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. 0.02 min
 Lab File: VD063436.D
 Acq: 8 Aug 2019 14:15

Instrument :
 MSVOA_D
 ClientSampleId :
 WILDWOOD-AVE-PILE

Tgt Ion:168 Resp: 1224475
 Ion Ratio Lower Upper
 168 100
 99 61.1 43.7 65.5



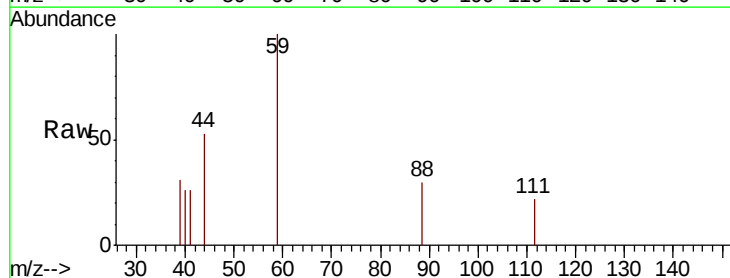
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): VDC



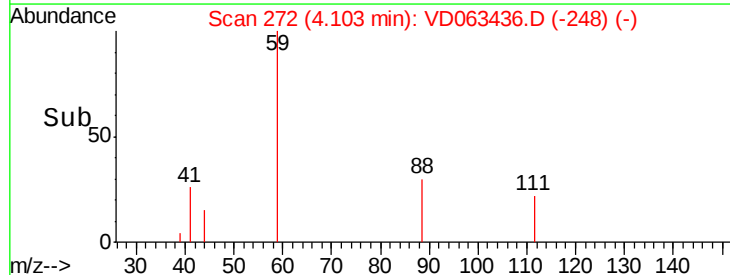
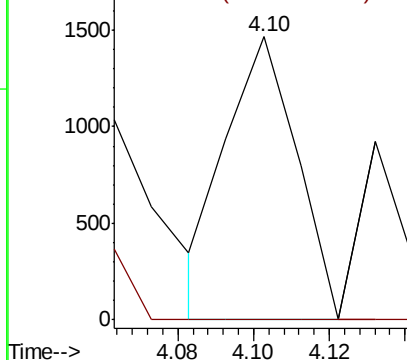
#11

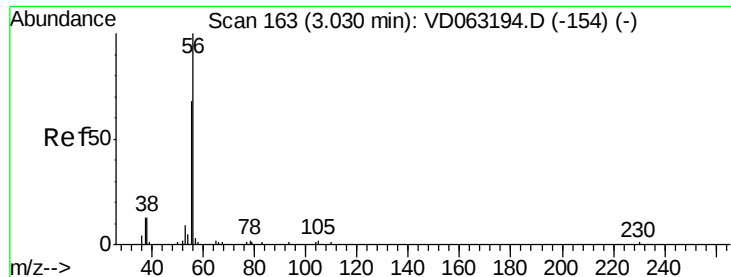
Tert butyl alcohol
 Concen: 3.170 ug/l
 RT: 4.10 min Scan# 272
 Delta R.T. 0.04 min
 Lab File: VD063436.D
 Acq: 8 Aug 2019 14:15

Tgt Ion: 59 Resp: 1890
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.018 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD063436.D

Acq: 8 Aug 2019 14:15

Instrument :

MSVOA_D

ClientSampleId :

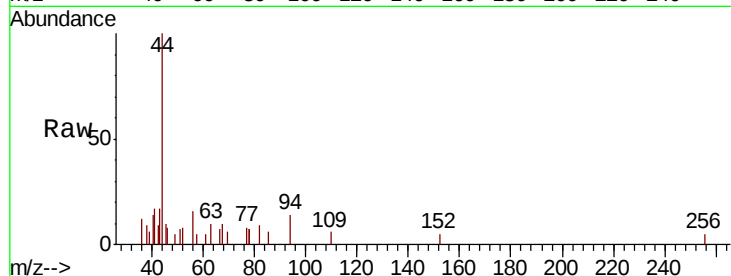
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Tgt Ion: 56 Resp: 584

Ion Ratio Lower Upper

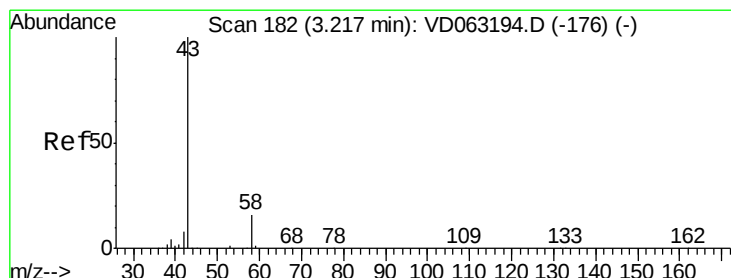
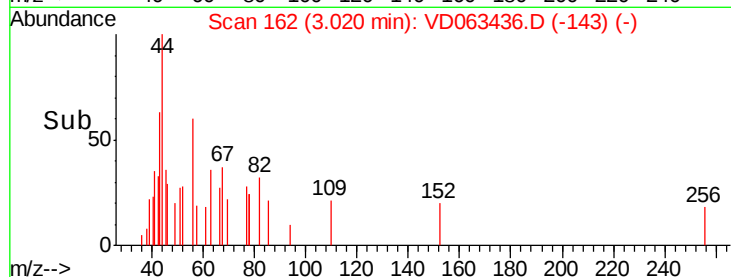
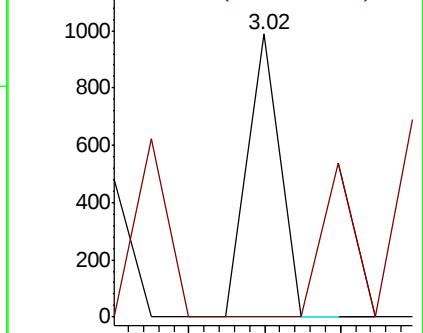
56 100

55 0.0 55.3 82.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 13.190 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD063436.D

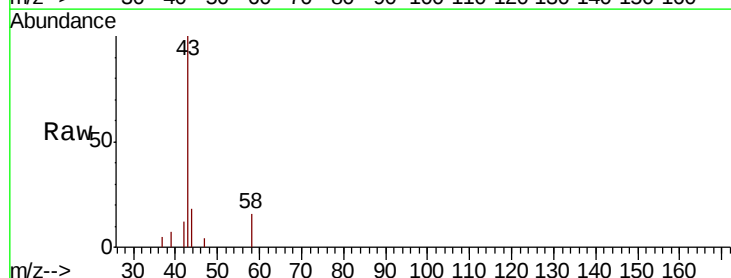
Acq: 8 Aug 2019 14:15

Tgt Ion: 43 Resp: 34916

Ion Ratio Lower Upper

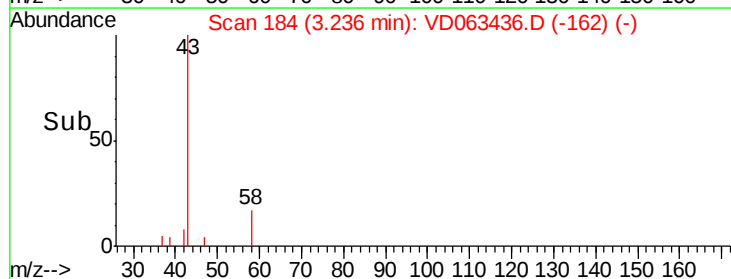
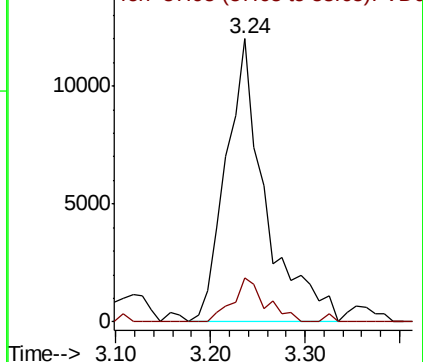
43 100

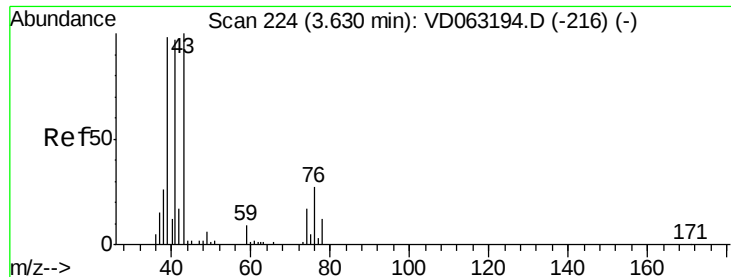
58 15.8 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#18

Methyl Acetate

Concen: 3.575 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD063436.D

Acq: 8 Aug 2019 14:15

Instrument :

MSVOA_D

ClientSampleId :

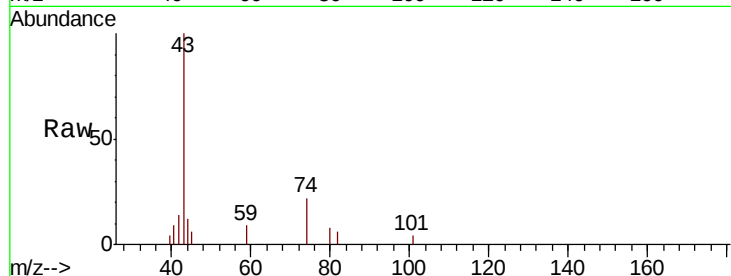
WILDWOOD-AVE-PILE

Tgt Ion: 43 Resp: 18177

Ion Ratio Lower Upper

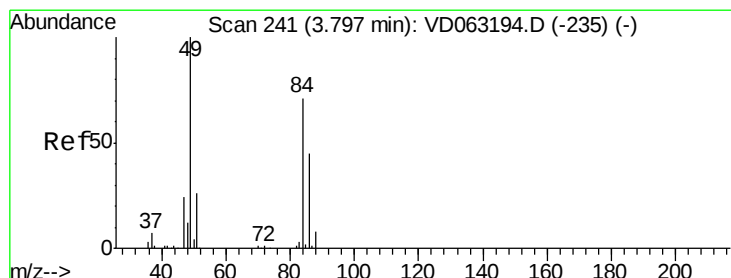
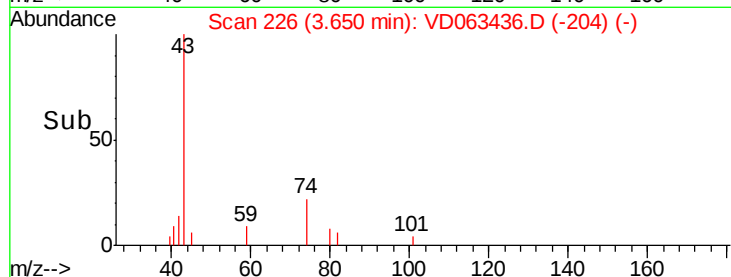
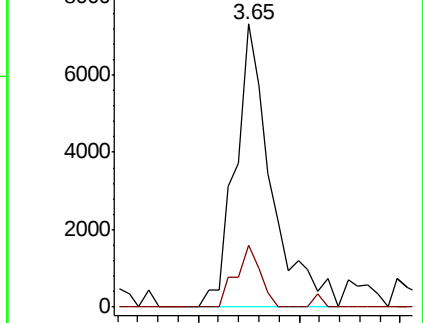
43 100

74 21.9 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



#20

Methylene Chloride

Concen: 2.159 ug/l

RT: 3.82 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD063436.D

Acq: 8 Aug 2019 14:15

Tgt Ion: 84 Resp: 23099

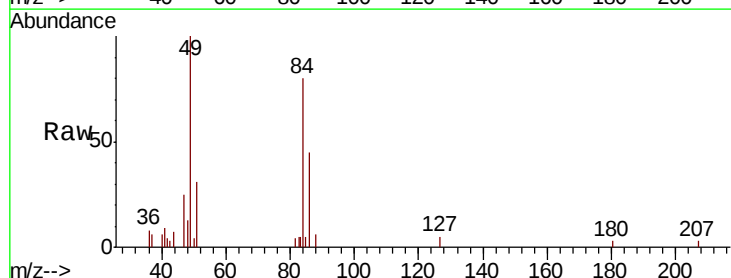
Ion Ratio Lower Upper

84 100

49 124.8 112.5 168.7

51 38.1 29.6 44.4

86 55.6 50.4 75.6

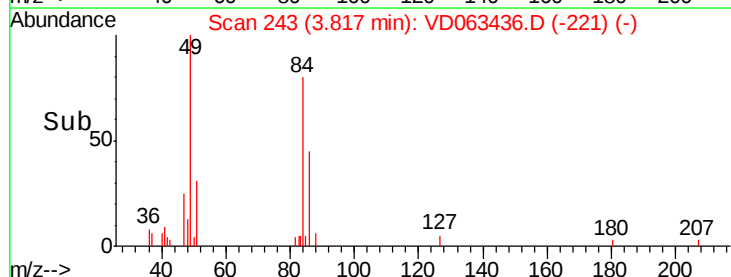
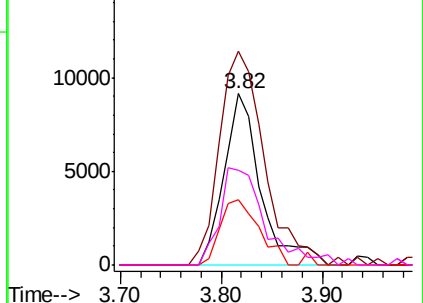


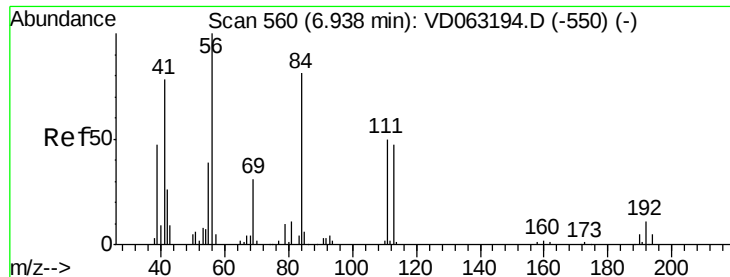
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

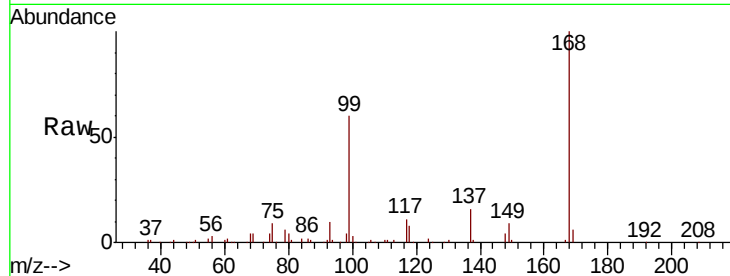




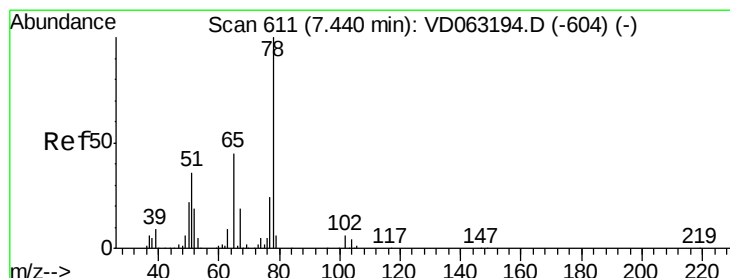
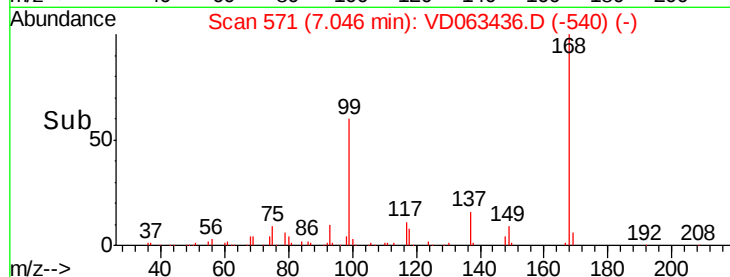
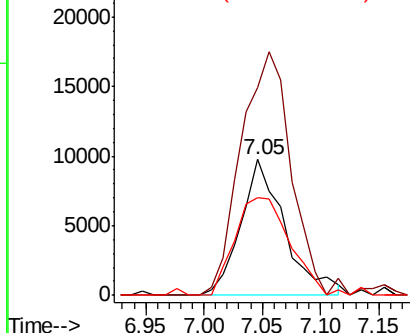
#31
Cyclohexane
Concen: 2.119 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.11 min
Lab File: VD063436.D
Acq: 8 Aug 2019 14:15

Instrument :
MSVOA_D
ClientSampleId :
WILDWOOD-AVE-PILE

Tgt Ion: 56 Resp: 25646
Ion Ratio Lower Upper
56 100
69 153.0 24.5 36.7#
84 71.9 64.9 97.3

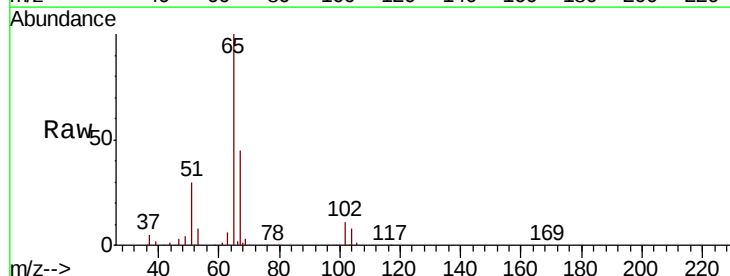


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

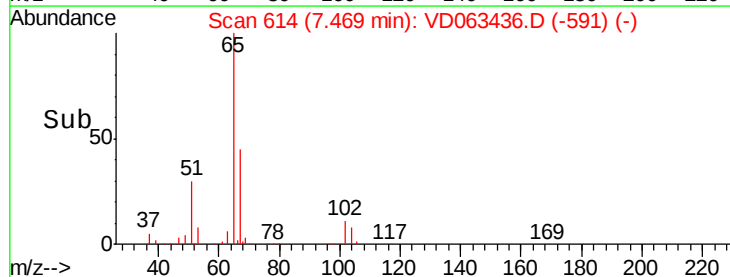
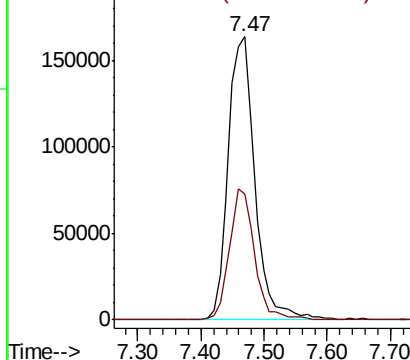


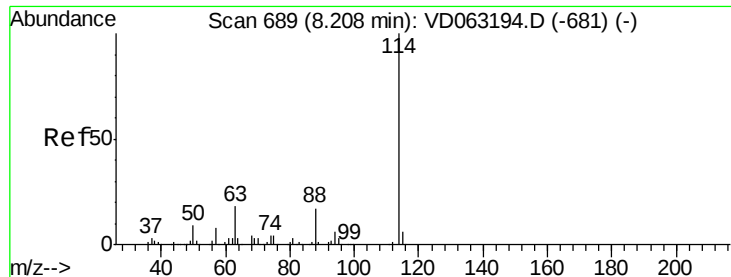
#33
1,2-Dichloroethane-d4
Concen: 35.184 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.03 min
Lab File: VD063436.D
Acq: 8 Aug 2019 14:15

Tgt Ion: 65 Resp: 478035
Ion Ratio Lower Upper
65 100
67 44.5 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD063436.D

Acq: 8 Aug 2019 14:15

Instrument :

MSVOA_D

ClientSampleId :

WILDWOOD-AVE-PILE

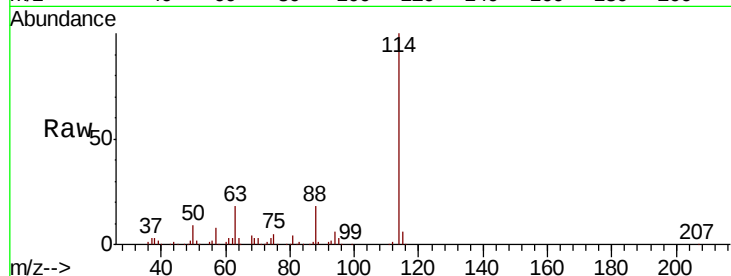
Tgt Ion:114 Resp: 1650505

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.2

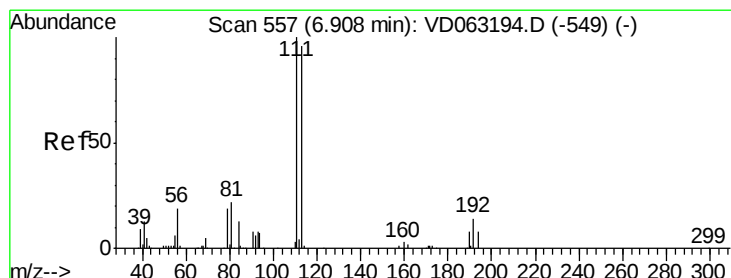
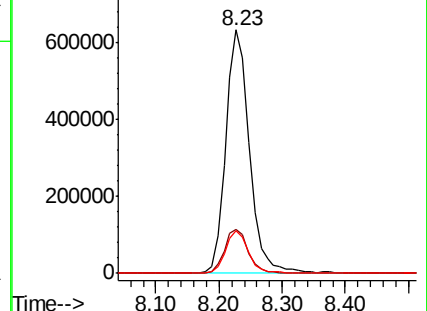
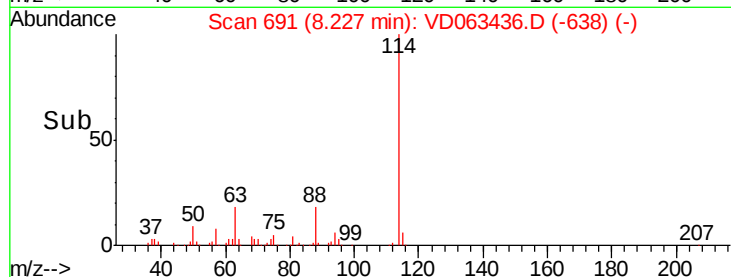
88 17.7 0.0 34.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 38.854 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063436.D

Acq: 8 Aug 2019 14:15

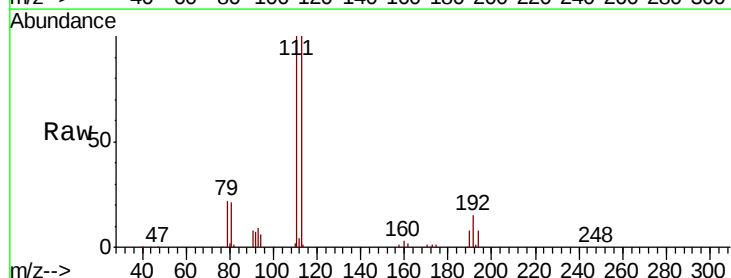
Tgt Ion:113 Resp: 547517

Ion Ratio Lower Upper

113 100

111 100.1 83.2 124.8

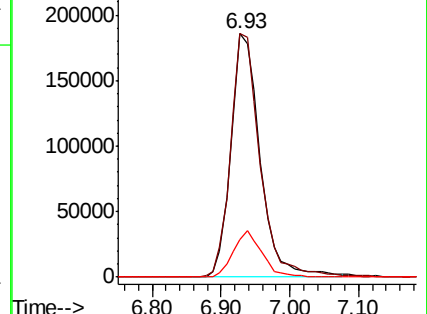
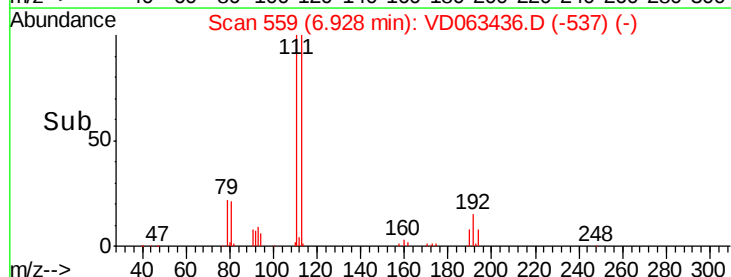
192 15.2 11.8 17.8

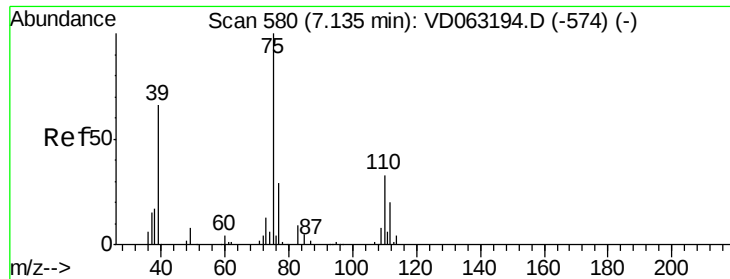


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

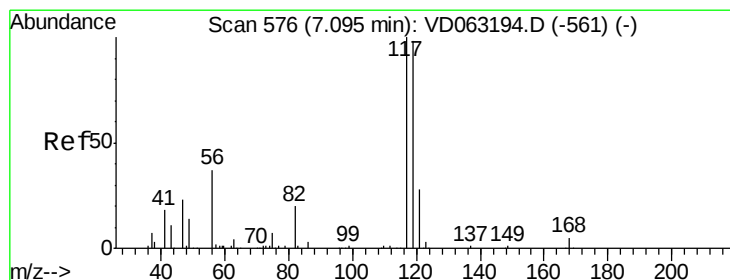
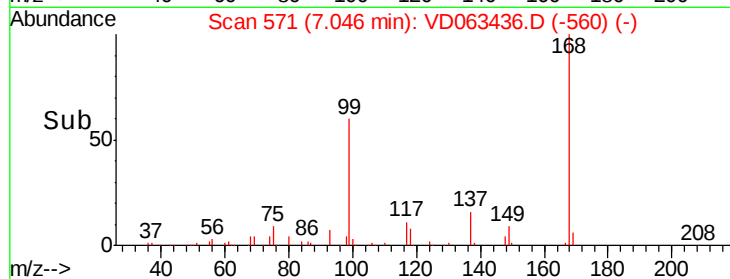
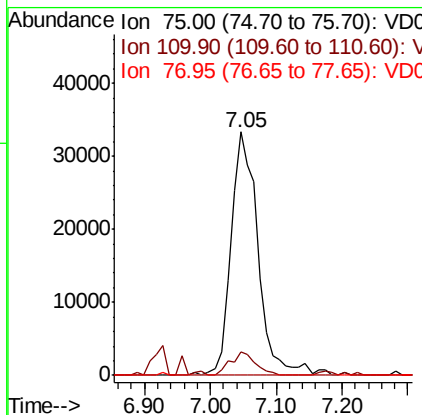
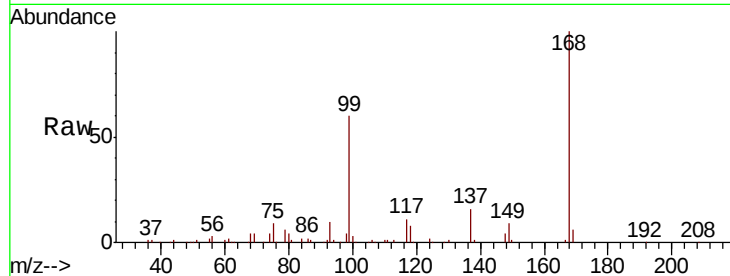




#36
 1,1-Dichloropropene
 Concen: 6.398 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.09 min
 Lab File: VD063436.D
 Acq: 8 Aug 2019 14:15

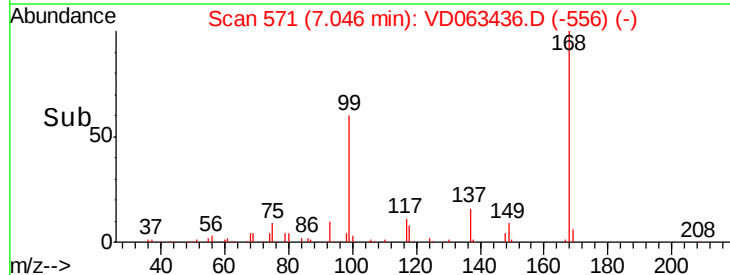
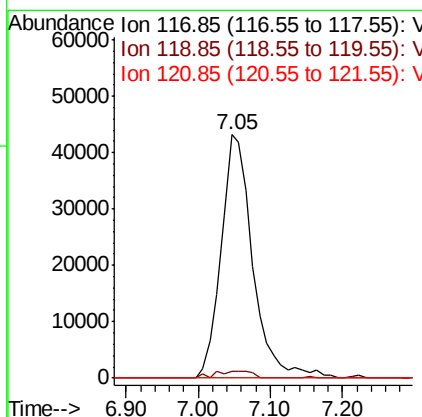
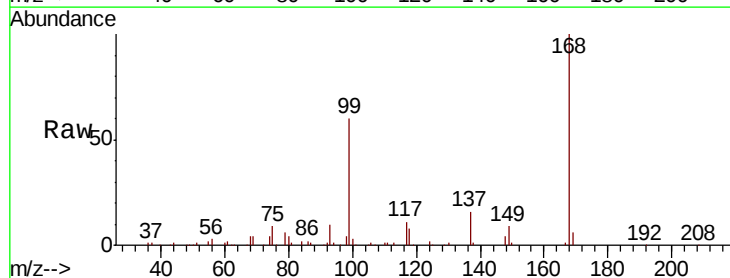
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 MSVOA_D
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 WILDWOOD-AVE-PILE

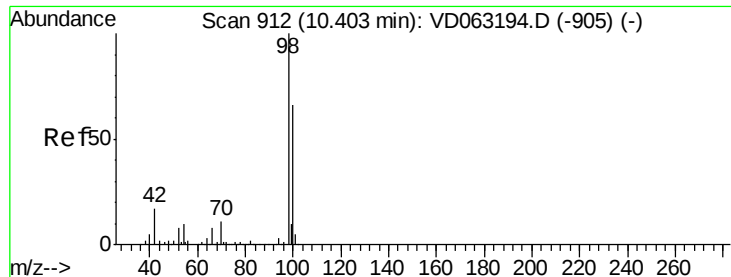
Tgt Ion: 75 Resp: 96380
 Ion Ratio Lower Upper
 75 100
 110 9.7 16.1 48.2#
 77 0.0 22.7 34.1#



#38
 Carbon Tetrachloride
 Concen: 5.770 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.05 min
 Lab File: VD063436.D
 Acq: 8 Aug 2019 14:15

Tgt Ion: 117 Resp: 130847
 Ion Ratio Lower Upper
 117 100
 119 2.9 78.2 117.2#
 121 0.0 22.1 33.1#

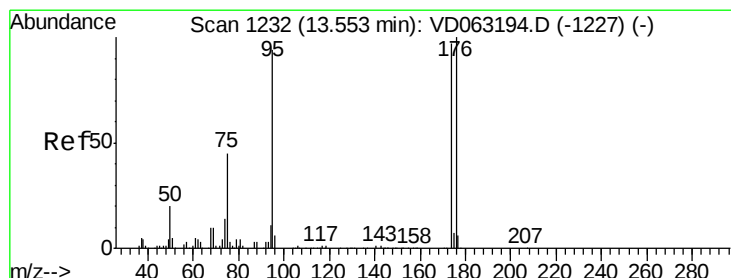
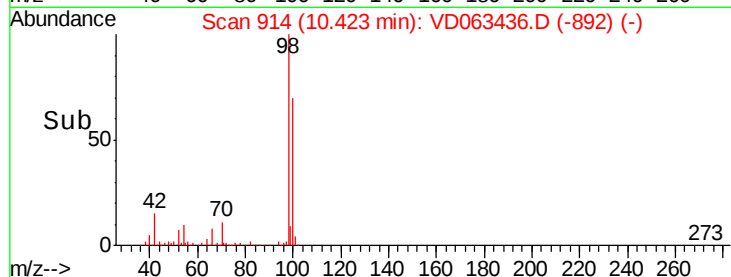
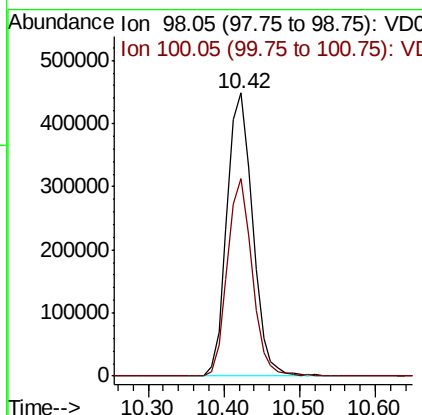
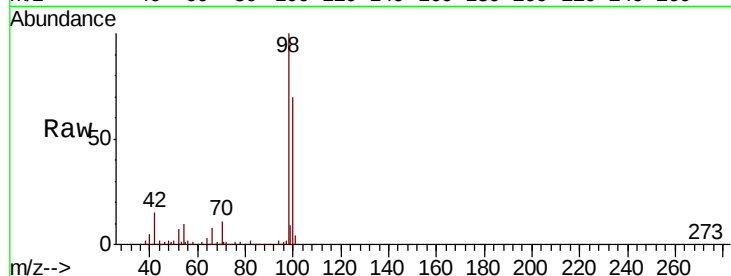




#50
Toluene-d8
Concen: 33.514 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD063436.D
Acq: 8 Aug 2019 14:15

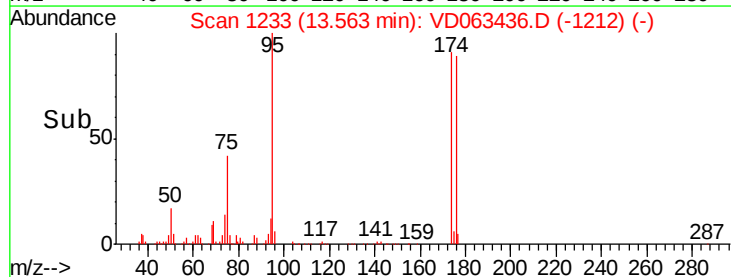
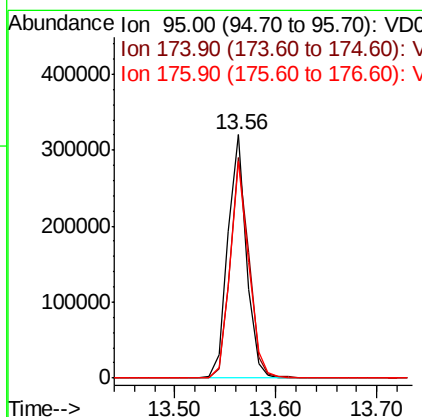
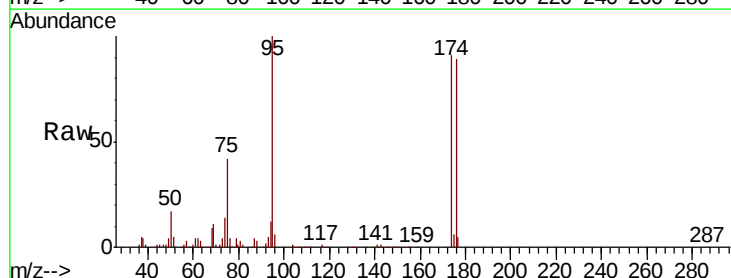
Instrument :
MSVOA_D
ClientSampleId :
WILDWOOD-AVE-PILE

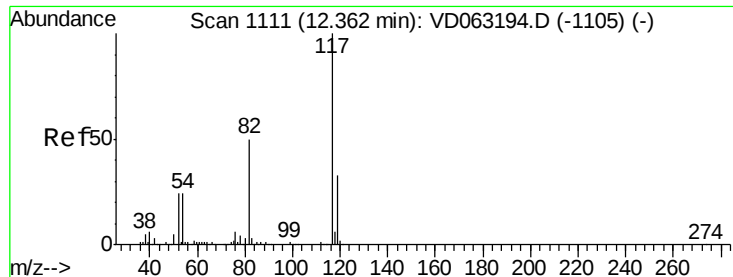
Tgt Ion: 98 Resp: 1056954
Ion Ratio Lower Upper
98 100
100 69.7 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 28.288 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD063436.D
Acq: 8 Aug 2019 14:15

Tgt Ion: 95 Resp: 406543
Ion Ratio Lower Upper
95 100
174 90.6 0.0 205.4
176 88.9 0.0 211.8

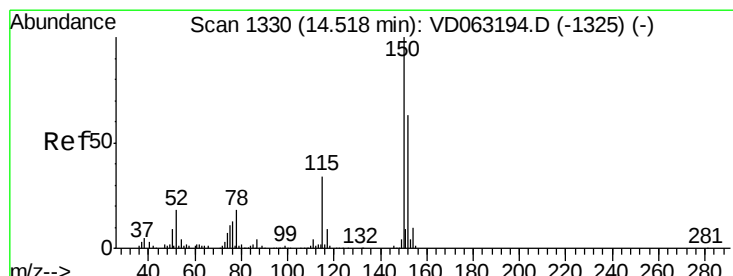
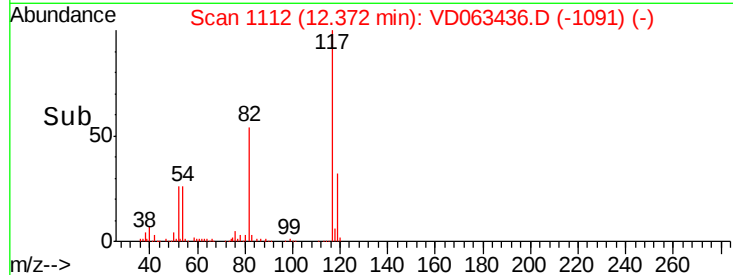
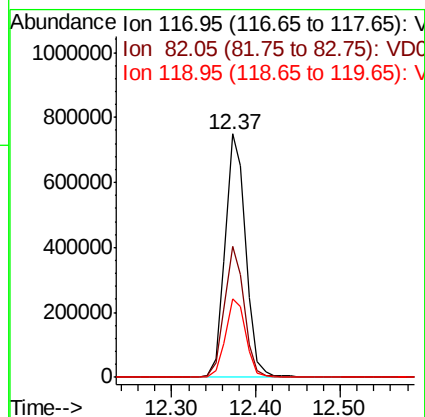
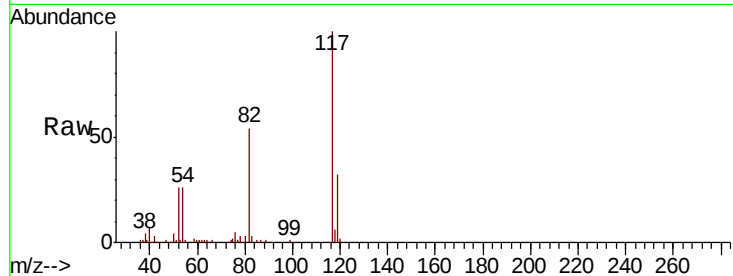




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063436.D
Acq: 8 Aug 2019 14:15

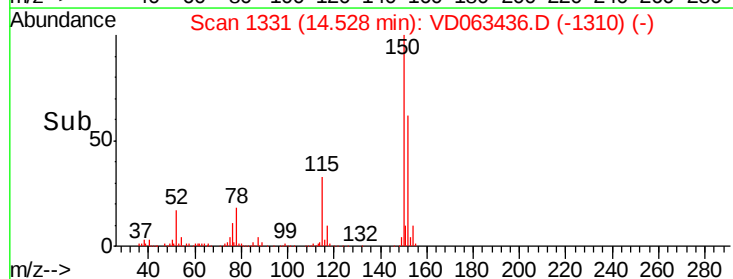
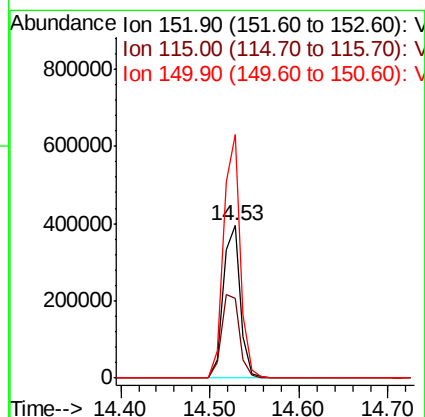
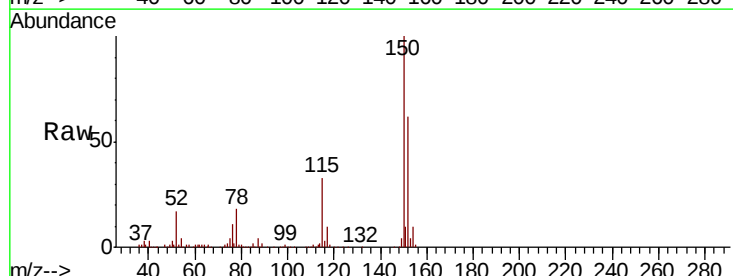
Instrument :
MSVOA_D
ClientSampleId :
WILDWOOD-AVE-PILE

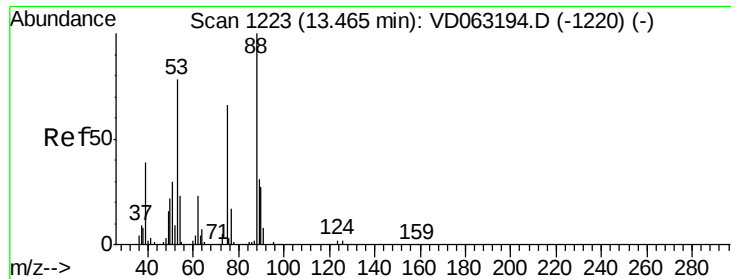
Tgt Ion:117 Resp: 1271109
Ion Ratio Lower Upper
117 100
82 53.6 40.1 60.1
119 32.3 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD063436.D
Acq: 8 Aug 2019 14:15

Tgt Ion:152 Resp: 533541
Ion Ratio Lower Upper
152 100
115 52.6 27.5 82.4
150 160.1 0.0 320.6





#81

trans-1,4-Dichloro-2-butene

Concen: 103.262 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD063436.D

Acq: 8 Aug 2019 14:15

Instrument :

MSVOA_D

ClientSampleId :

WILDWOOD-AVE-PILE

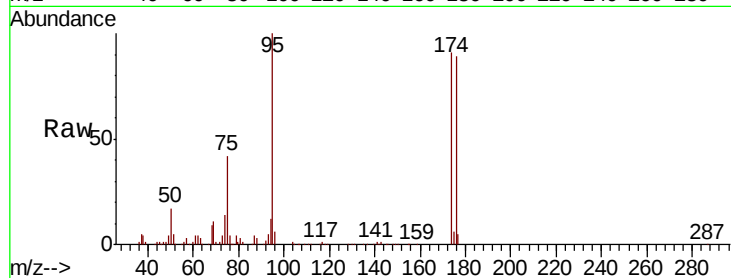
Tgt Ion: 75 Resp: 183757

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

