

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080319\
 Data File : VD063371.D
 Acq On : 3 Aug 2019 19:39
 Operator : VA/AP
 Sample : K4135-09
 Misc : 4.85g/5ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-A3-(30)

Quant Time: Aug 04 06:09:16 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	769937	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1045312	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	714356	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	238276	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	421439	49.33	ug/l	0.02
Spiked Amount 50.000			Recovery	=	98.66%	
35) Dibromofluoromethane	6.93	113	446323	50.01	ug/l	0.02
Spiked Amount 50.000			Recovery	=	100.02%	
50) Toluene-d8	10.42	98	815389	40.82	ug/l	0.02
Spiked Amount 50.000			Recovery	=	81.64%	
62) 4-Bromofluorobenzene	13.56	95	281377	30.91	ug/l	0.01
Spiked Amount 50.000			Recovery	=	61.82%	

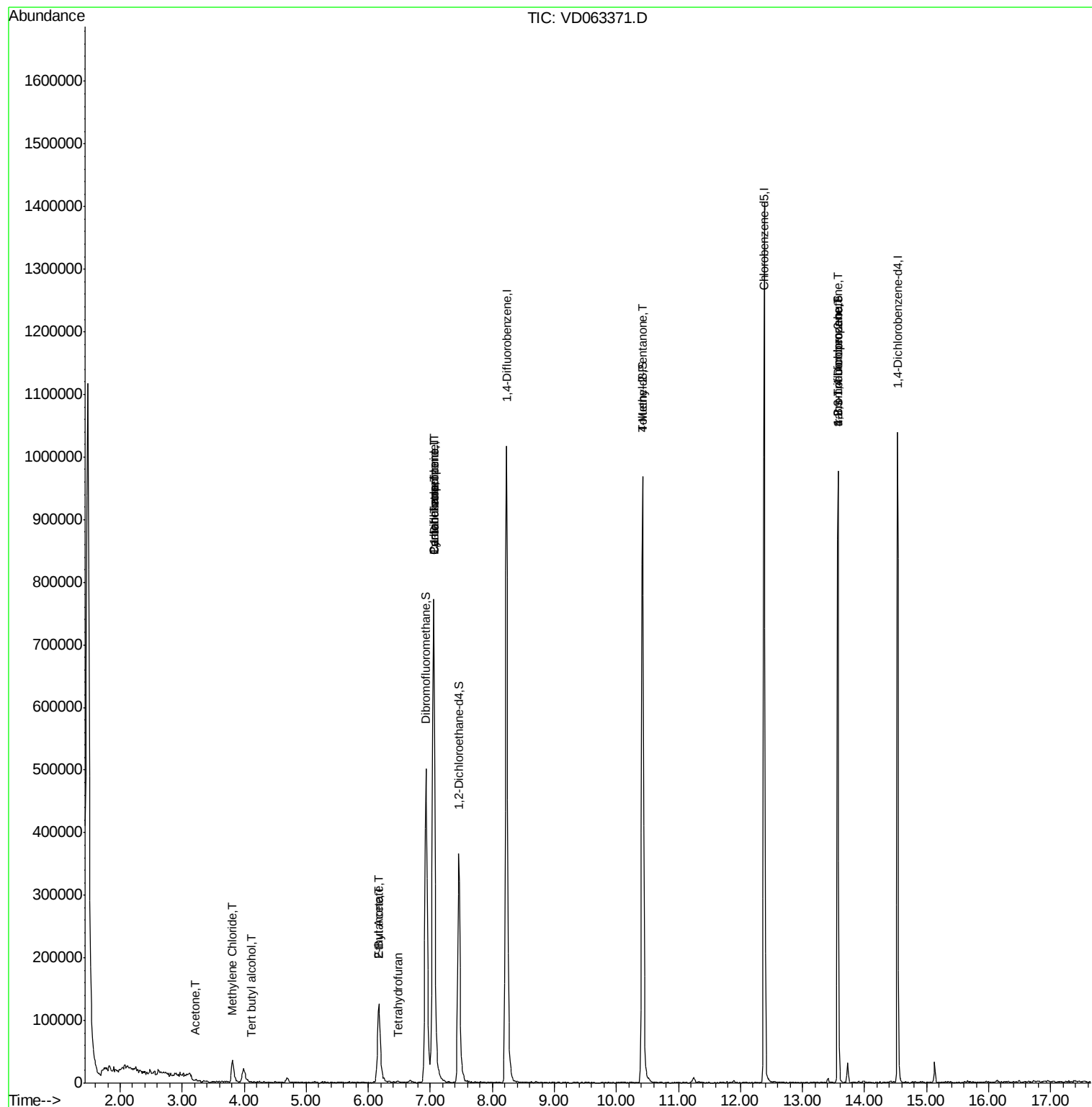
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.11	59	1413	3.769	ug/l #	69
16) Acetone	3.22	43	4936	2.965	ug/l	98
20) Methylene Chloride	3.82	84	19388	2.882	ug/l #	90
25) 2-Butanone	6.17	43	10023	6.000	ug/l #	56
29) Tetrahydrofuran	6.47	42	1244	1.573	ug/l #	70
31) Cyclohexane	7.06	56	19251	2.530	ug/l #	23
36) 1,1-Dichloropropene	7.05	75	59020	6.187	ug/l #	56
37) Ethyl Acetate	6.17	43	10023	2.339	ug/l #	39
38) Carbon Tetrachloride	7.06	117	76116	5.300	ug/l #	14
51) 4-Methyl-2-Pentanone	10.41	43	6019	1.617	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	116629	40.751	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	127104	159.936	ug/l #	3

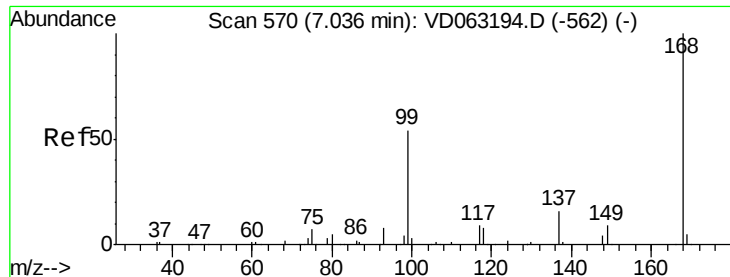
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080319\
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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: VD063371.D

Acq: 3 Aug 2019 19:39

Instrument :

MSVOA_D

ClientSampleId :

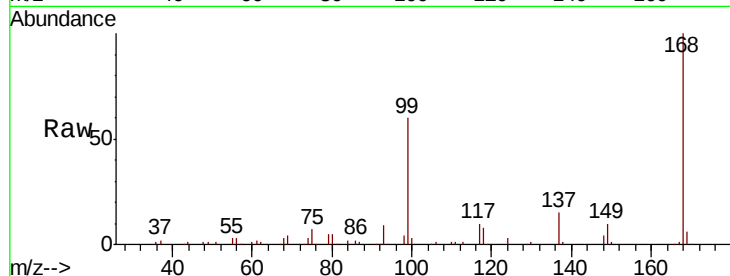
1S-A3-(30)

Tgt Ion:168 Resp: 769937

Ion Ratio Lower Upper

168 100

99 59.6 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

150000

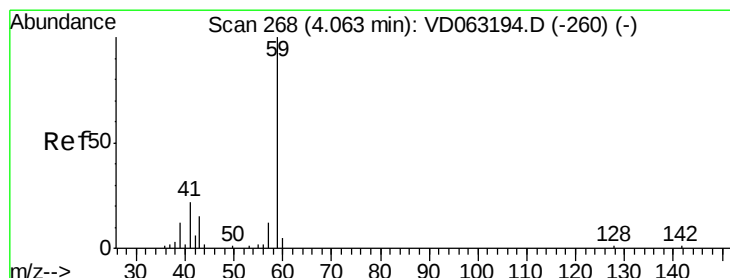
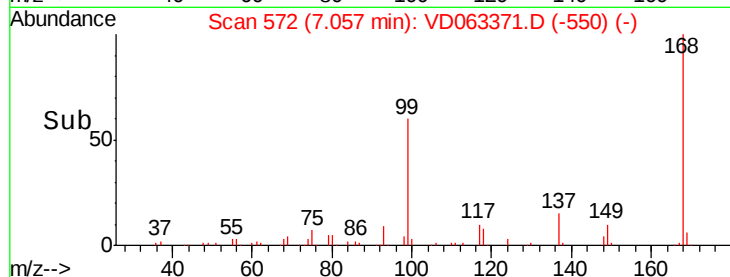
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 3.769 ug/l

RT: 4.11 min Scan# 273

Delta R.T. 0.05 min

Lab File: VD063371.D

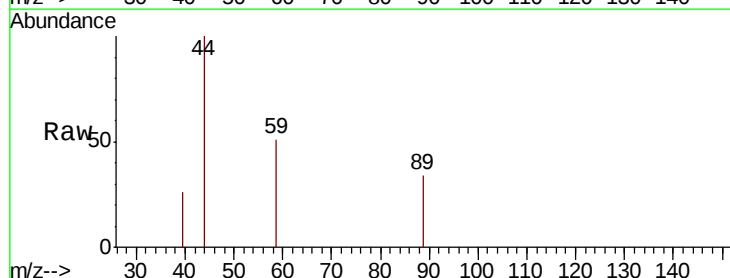
Acq: 3 Aug 2019 19:39

Tgt Ion: 59 Resp: 1413

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

1500

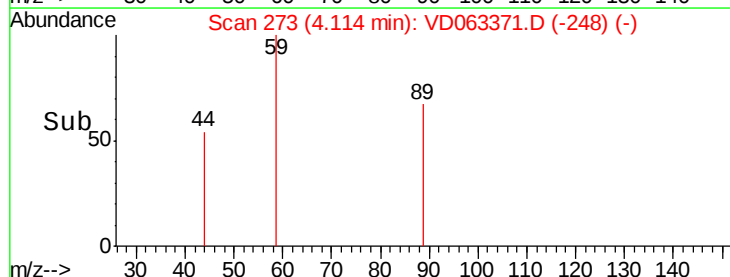
1000

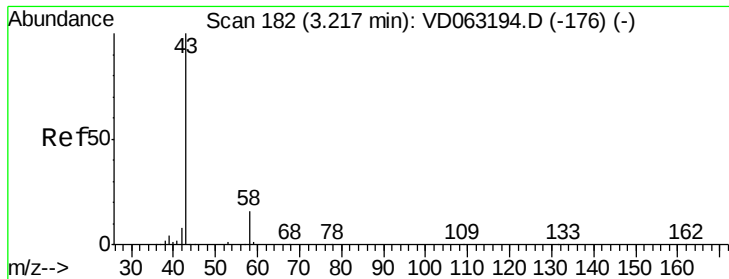
500

0

Time-->

4.05 4.10 4.15

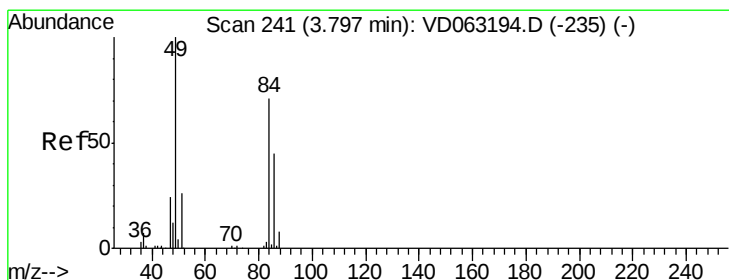
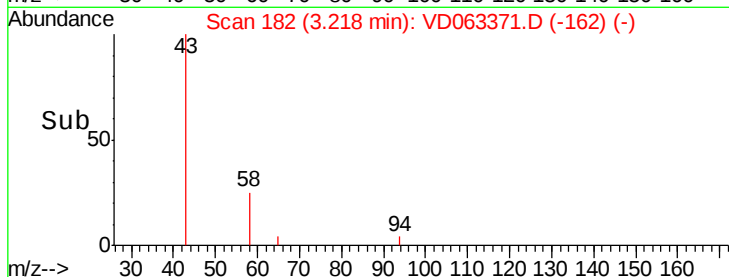
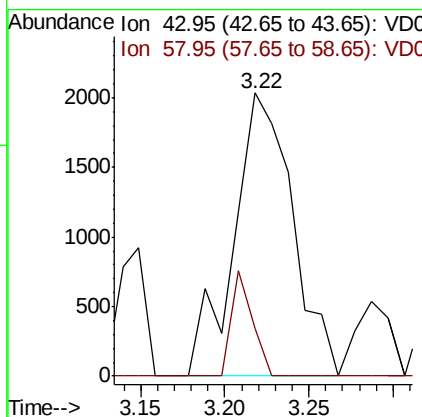
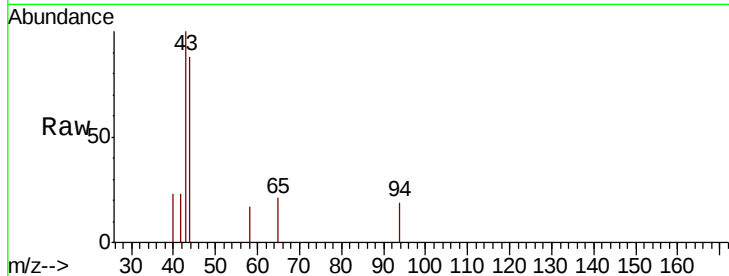




#16
Acetone
Concen: 2.965 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.00 min
Lab File: VD063371.D
Acq: 3 Aug 2019 19:39

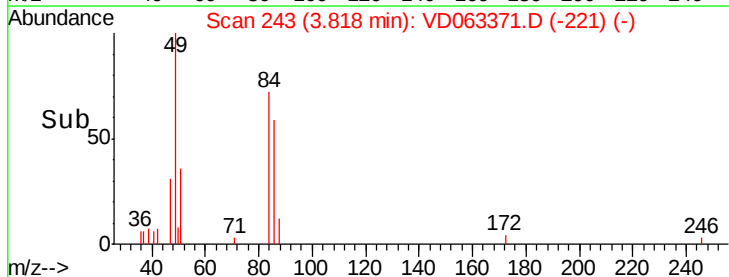
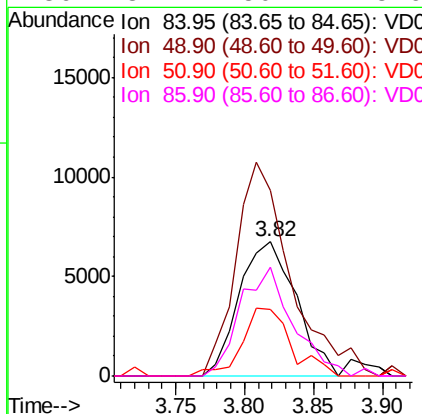
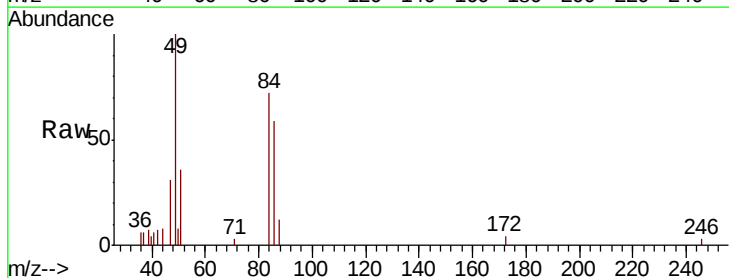
Instrument :
MSVOA_D
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1S-A3-(30)

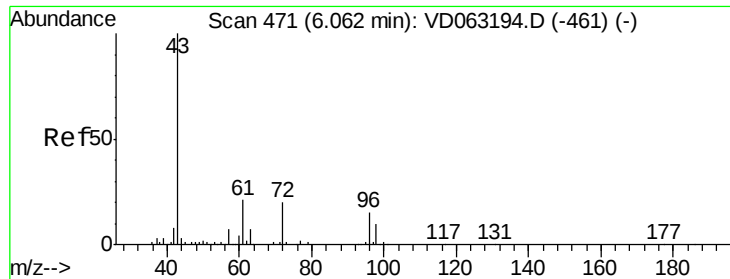
Tgt Ion: 43 Resp: 4936
Ion Ratio Lower Upper
43 100
58 16.9 13.0 19.4



#20
Methylene Chloride
Concen: 2.882 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063371.D
Acq: 3 Aug 2019 19:39

Tgt Ion: 84 Resp: 19388
Ion Ratio Lower Upper
84 100
49 138.3 112.5 168.7
51 49.3 29.6 44.4#
86 81.1 50.4 75.6#

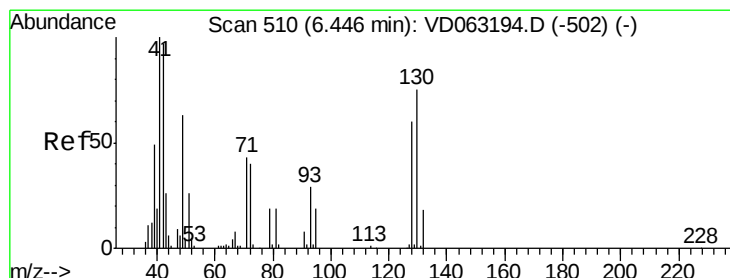
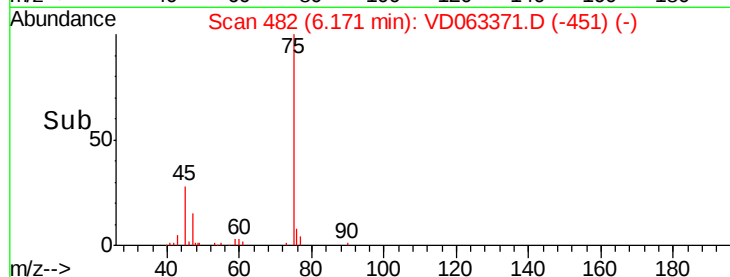
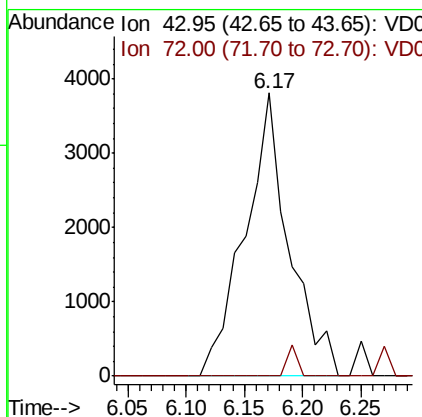
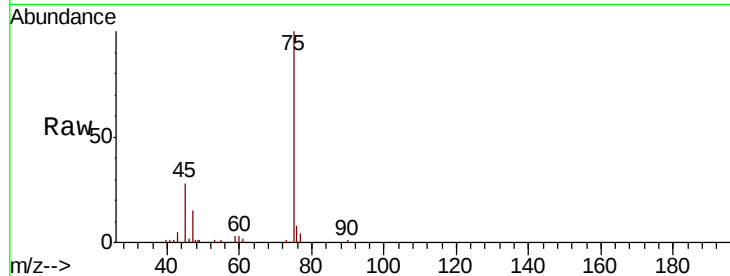




#25
2-Butanone
Concen: 6.000 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.11 min
Lab File: VD063371.D
Acq: 3 Aug 2019 19:39

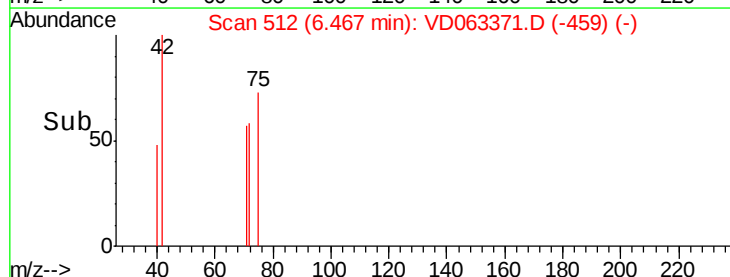
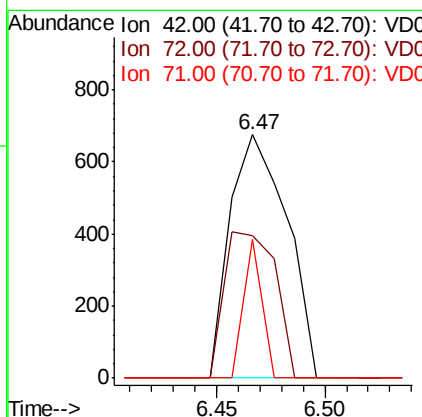
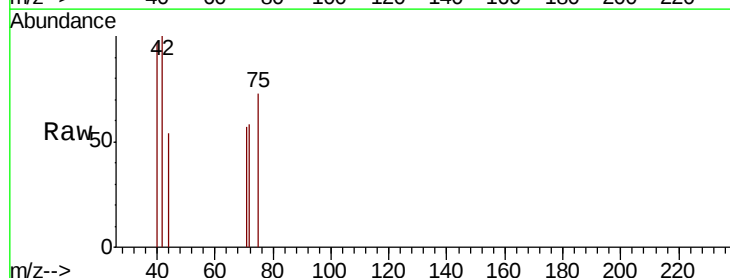
Instrument :
MSVOA_D
ClientSampleId :
1S-A3-(30)

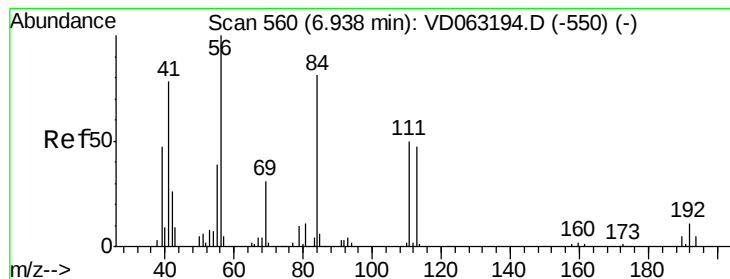
Tgt Ion: 43 Resp: 10023
Ion Ratio Lower Upper
43 100
72 0.0 16.3 24.5#



#29
Tetrahydrofuran
Concen: 1.573 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD063371.D
Acq: 3 Aug 2019 19:39

Tgt Ion: 42 Resp: 1244
Ion Ratio Lower Upper
42 100
72 53.8 33.4 50.2#
71 18.3 35.7 53.5#





#31

Cyclohexane

Concen: 2.530 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.12 min

Lab File: VD063371.D

Acq: 3 Aug 2019 19:39

Instrument :

MSVOA_D

ClientSampleId :

1S-A3-(30)

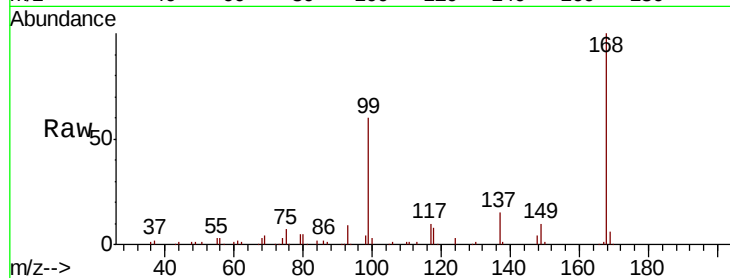
Tgt Ion: 56 Resp: 19251

Ion Ratio Lower Upper

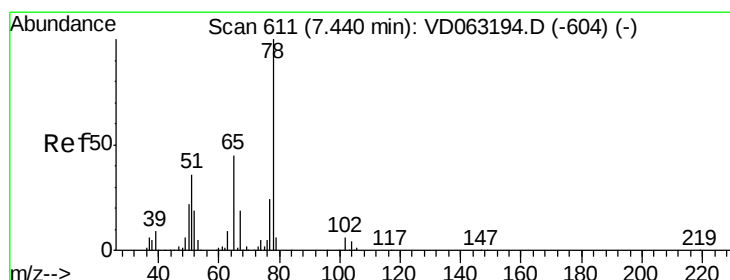
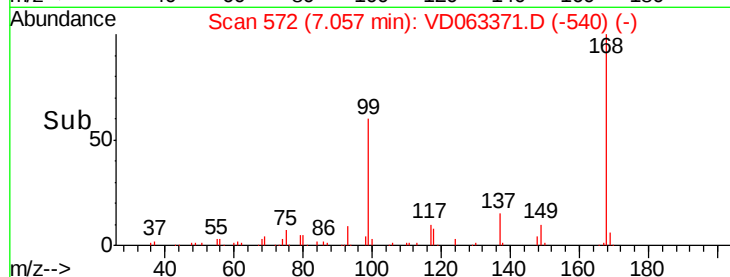
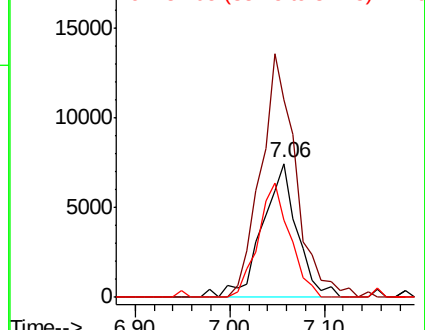
56 100

69 147.2 24.5 36.7#

84 58.0 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: 49.330 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD063371.D

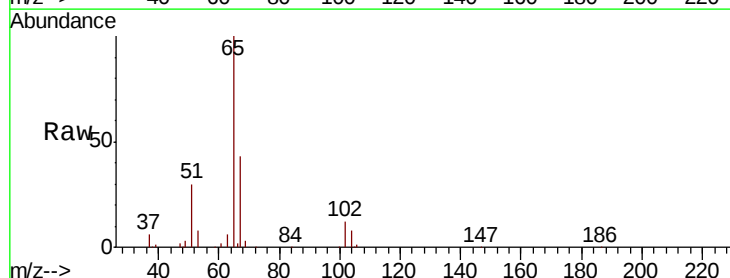
Acq: 3 Aug 2019 19:39

Tgt Ion: 65 Resp: 421439

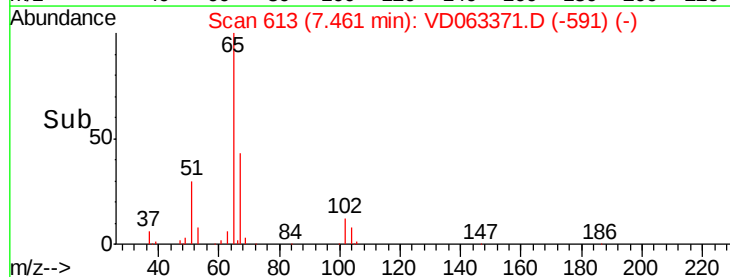
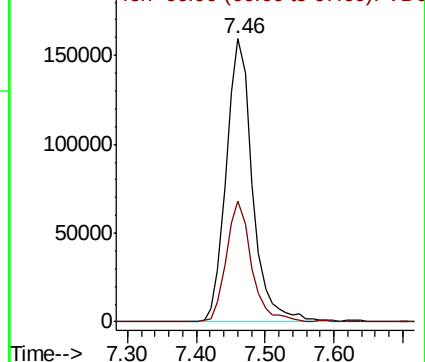
Ion Ratio Lower Upper

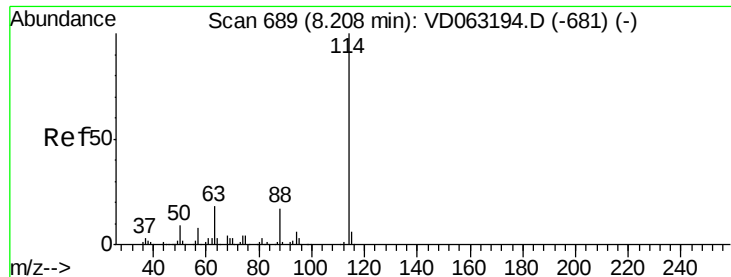
65 100

67 42.8 0.0 85.8



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

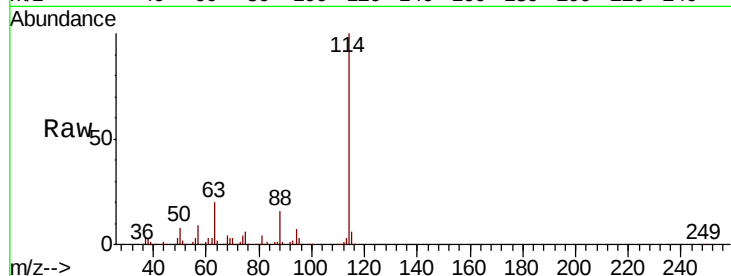




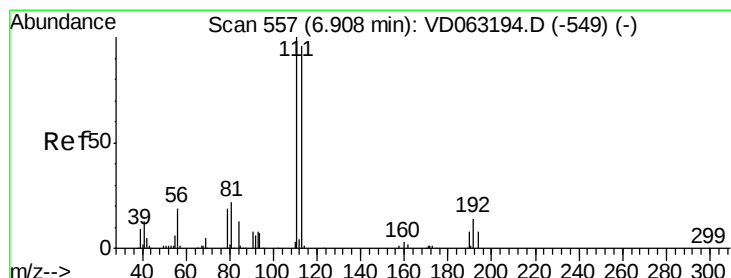
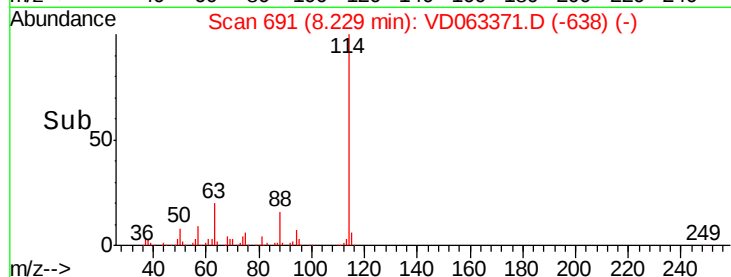
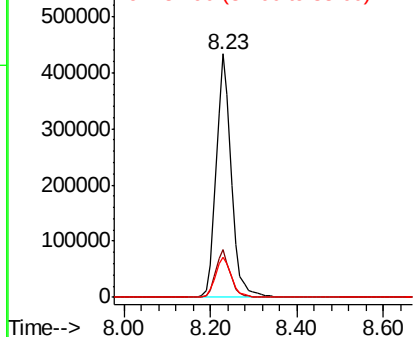
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063371.D
 Acq: 3 Aug 2019 19:39

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-A3-(30)

Tgt Ion:114 Resp: 1045312
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 35.2
 88 16.5 0.0 34.6

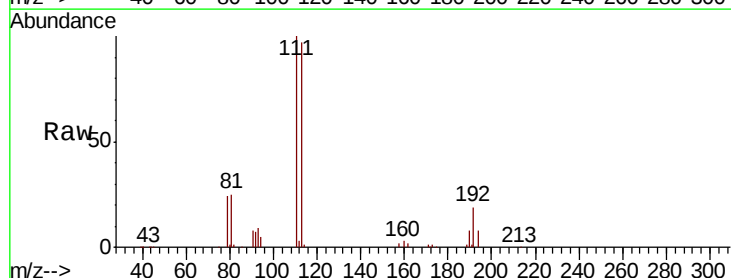


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

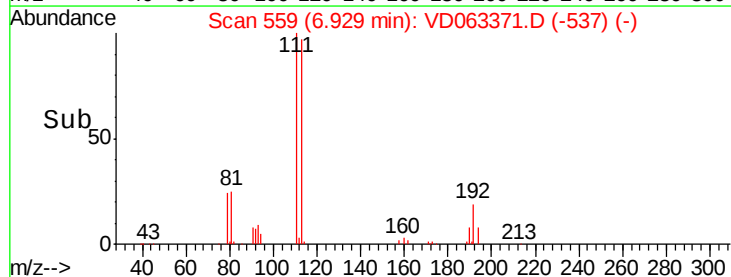
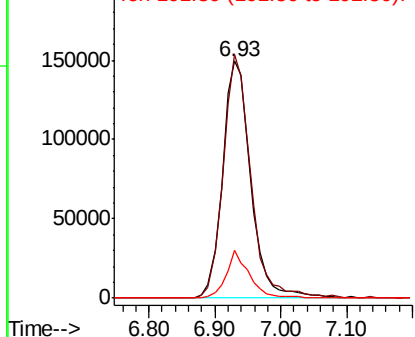


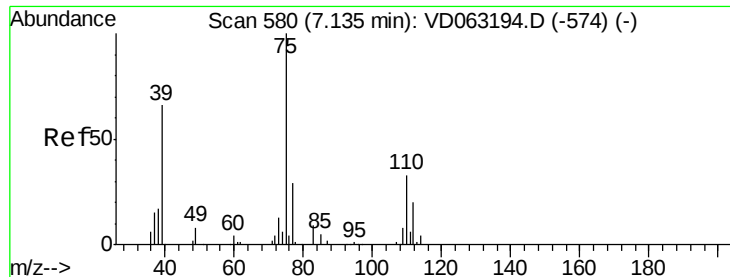
#35
 Dibromofluoromethane
 Concen: 50.010 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD063371.D
 Acq: 3 Aug 2019 19:39

Tgt Ion:113 Resp: 446323
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.2 124.8
 192 20.0 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

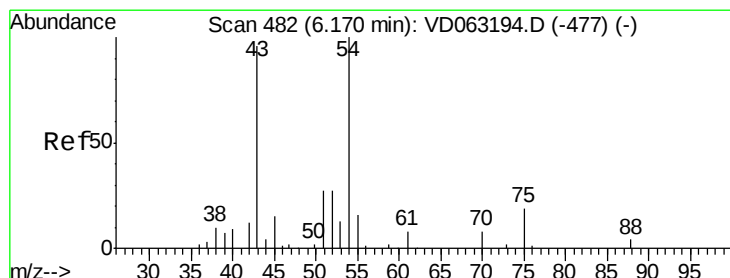
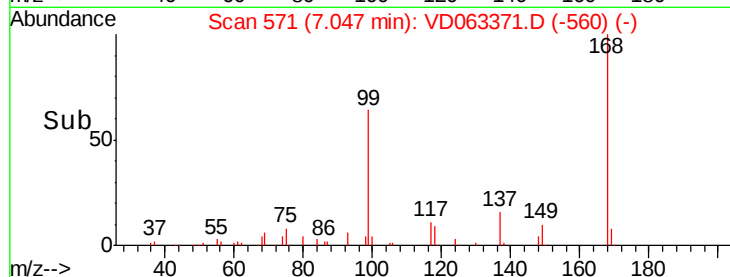
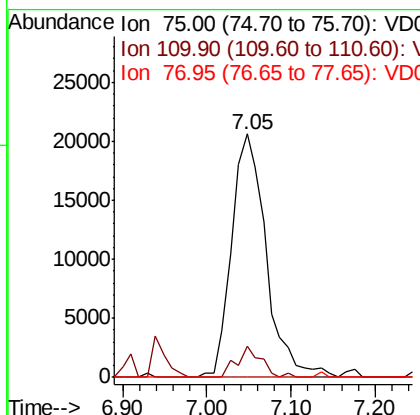
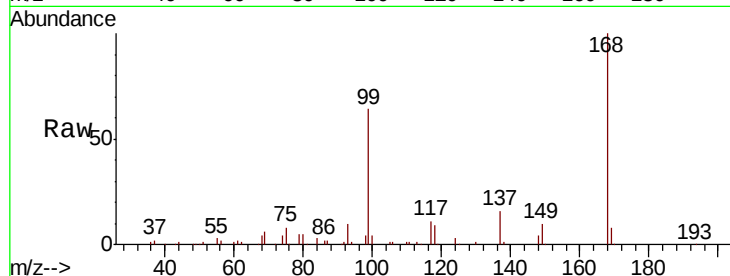




#36
 1,1-Dichloropropene
 Concen: 6.187 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.09 min
 Lab File: VD063371.D
 Acq: 3 Aug 2019 19:39

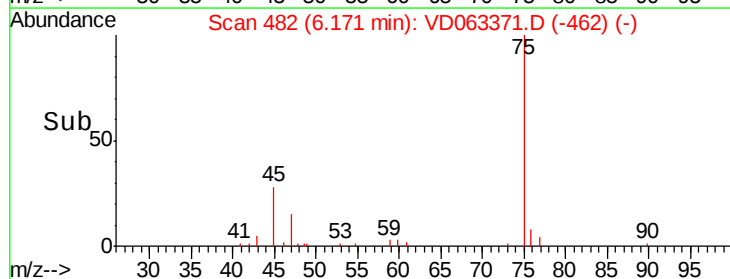
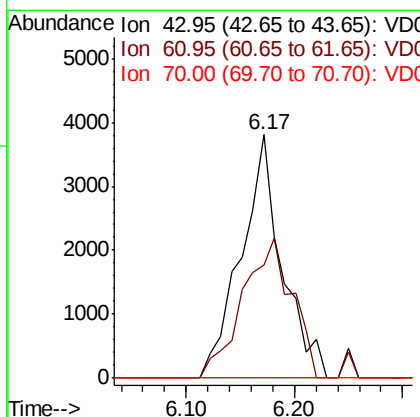
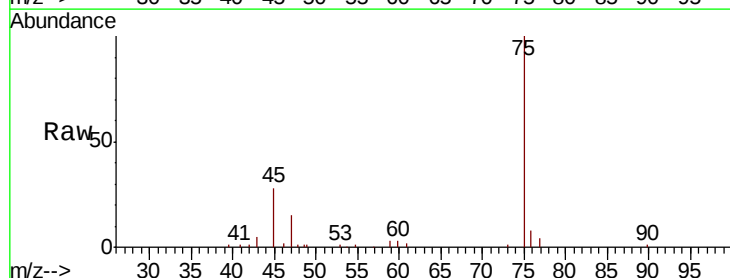
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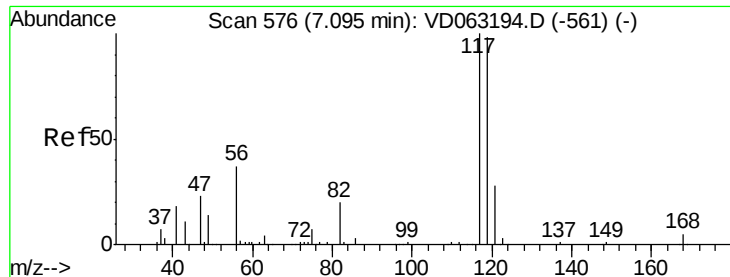
Tgt Ion: 75 Resp: 59020
 Ion Ratio Lower Upper
 75 100
 110 12.7 16.1 48.2#
 77 0.0 22.7 34.1#



#37
 Ethyl Acetate
 Concen: 2.339 ug/l
 RT: 6.17 min Scan# 482
 Delta R.T. 0.00 min
 Lab File: VD063371.D
 Acq: 3 Aug 2019 19:39

Tgt Ion: 43 Resp: 10023
 Ion Ratio Lower Upper
 43 100
 61 46.5 11.3 16.9#
 70 0.0 5.1 7.7#

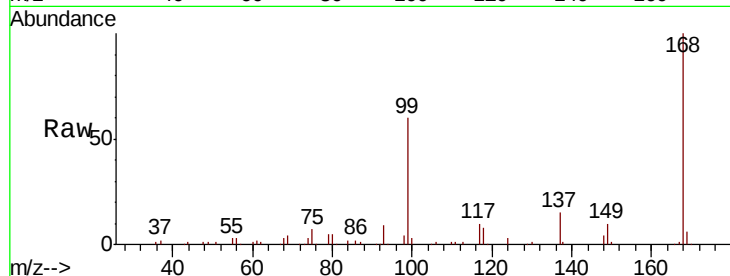




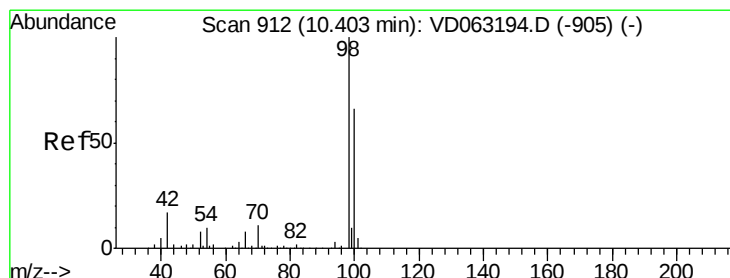
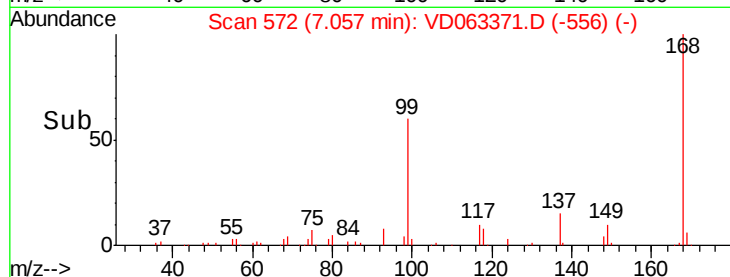
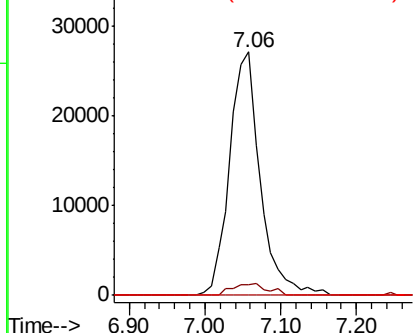
#38
Carbon Tetrachloride
Concen: 5.300 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.04 min
Lab File: VD063371.D
Acq: 3 Aug 2019 19:39

Instrument :
MSVOA_D
ClientSampleId :
1S-A3-(30)

Tgt Ion:117 Resp: 76116
Ion Ratio Lower Upper
117 100
119 4.1 78.2 117.2#
121 0.0 22.1 33.1#

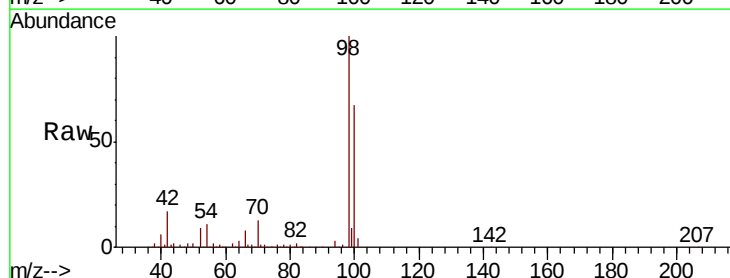


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

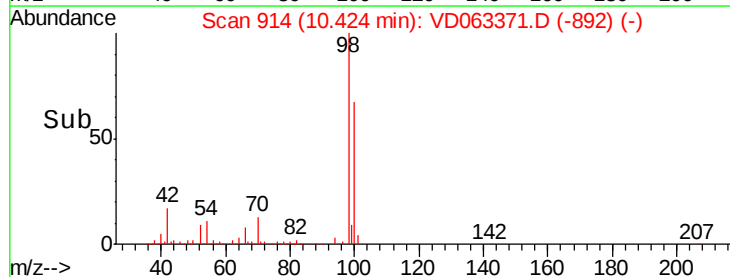
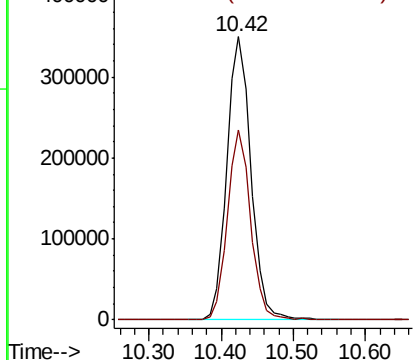


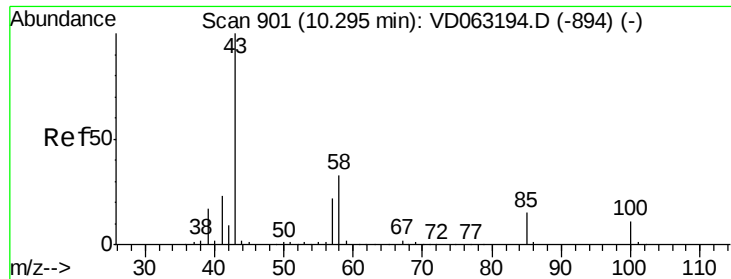
#50
Toluene-d8
Concen: 40.824 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD063371.D
Acq: 3 Aug 2019 19:39

Tgt Ion: 98 Resp: 815389
Ion Ratio Lower Upper
98 100
100 67.3 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V
Ion 100.05 (99.75 to 100.75): V

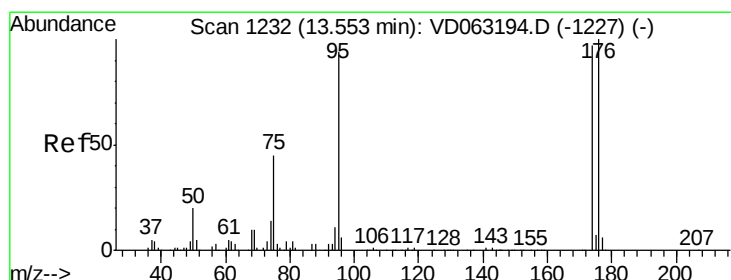
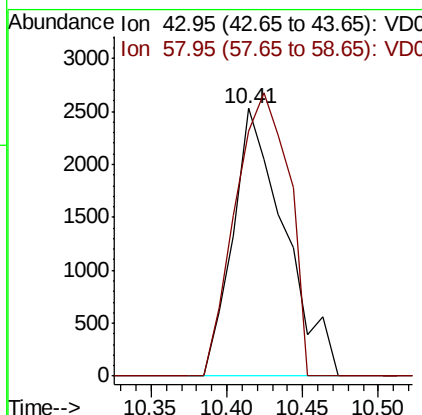
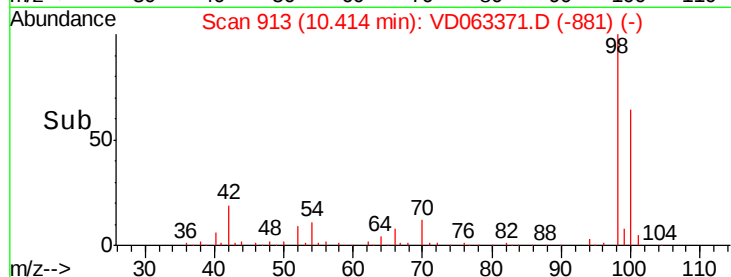
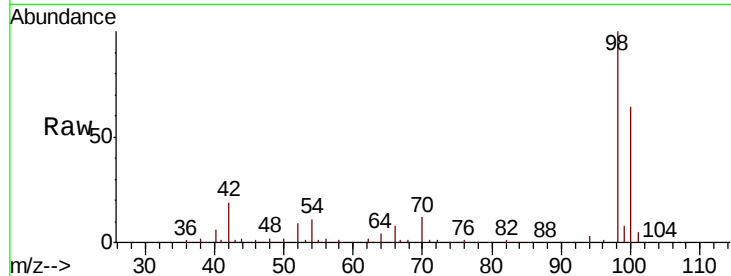




#51
4-Methyl-2-Pentanone
Concen: 1.617 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.12 min
Lab File: VD063371.D
Acq: 3 Aug 2019 19:39

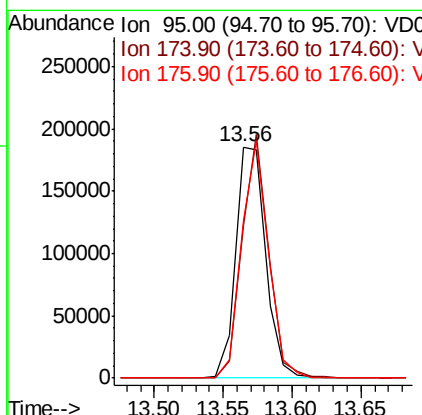
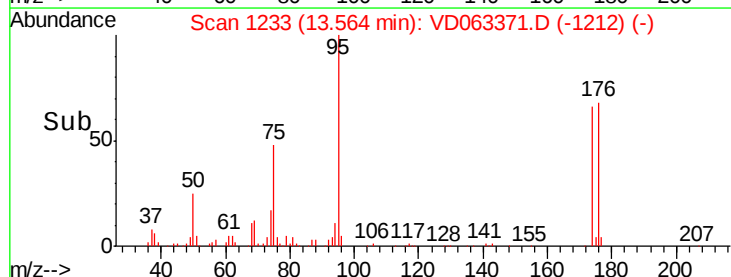
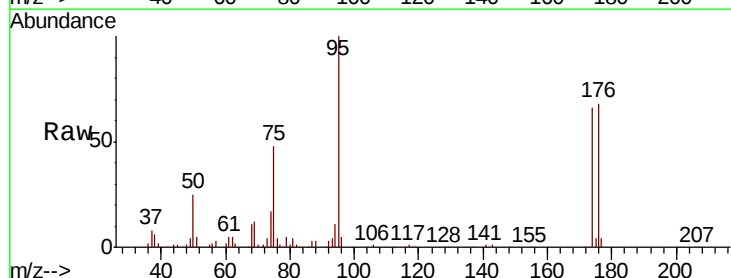
Instrument :
MSVOA_D
ClientSampleId :
1S-A3-(30)

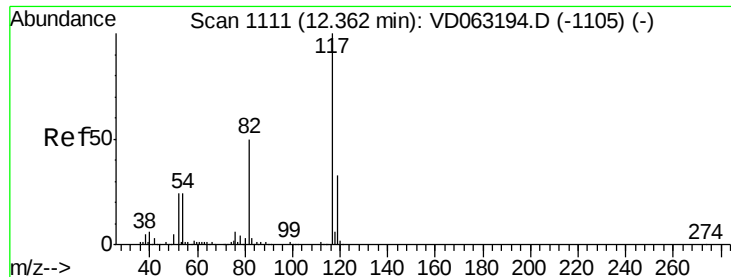
Tgt Ion: 43 Resp: 6019
Ion Ratio Lower Upper
43 100
58 91.6 26.2 39.2#



#62
4-Bromofluorobenzene
Concen: 30.914 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD063371.D
Acq: 3 Aug 2019 19:39

Tgt Ion: 95 Resp: 281377
Ion Ratio Lower Upper
95 100
174 66.0 0.0 205.4
176 68.4 0.0 211.8

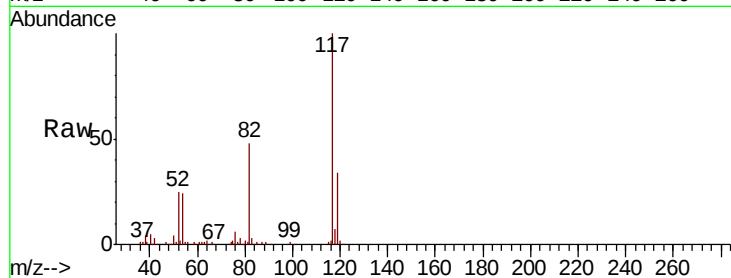




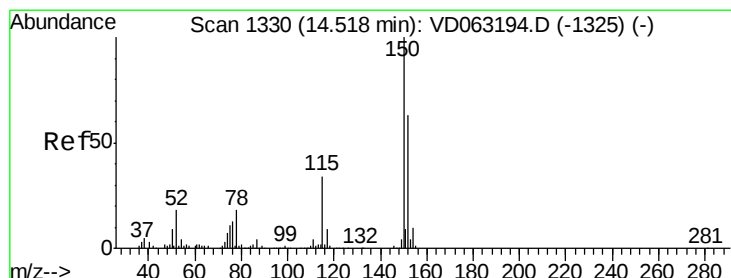
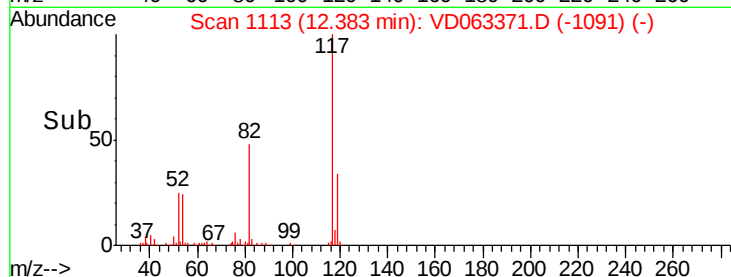
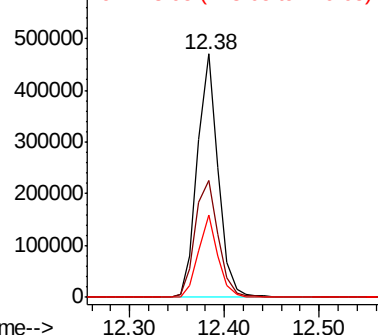
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD063371.D
Acq: 3 Aug 2019 19:39

Instrument :
MSVOA_D
ClientSampleId :
1S-A3-(30)

Tgt Ion:117 Resp: 714356
Ion Ratio Lower Upper
117 100
82 48.1 40.1 60.1
119 33.7 26.5 39.7

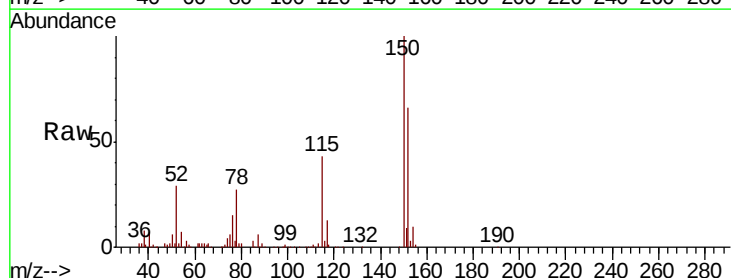


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

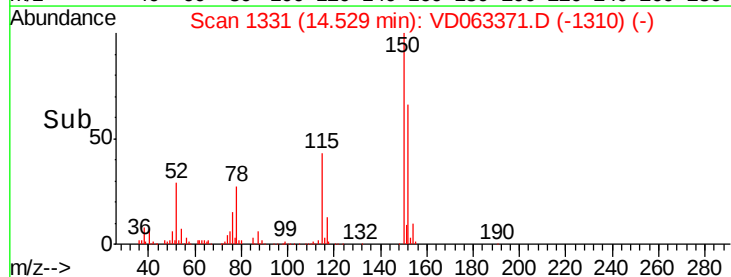
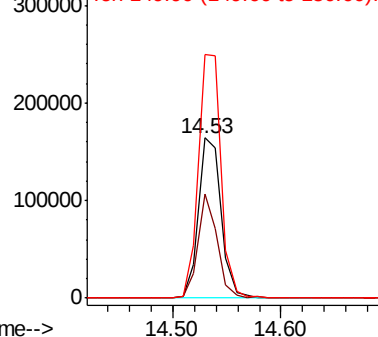


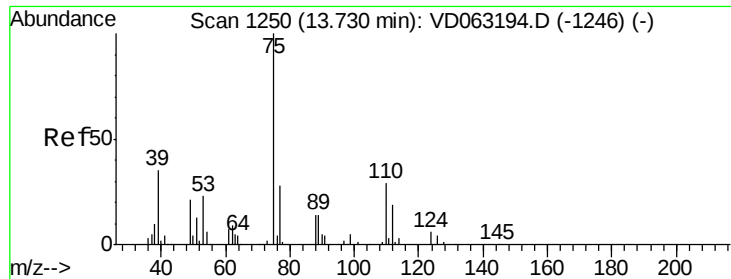
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD063371.D
Acq: 3 Aug 2019 19:39

Tgt Ion:152 Resp: 238276
Ion Ratio Lower Upper
152 100
115 65.4 27.5 82.4
150 152.2 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V

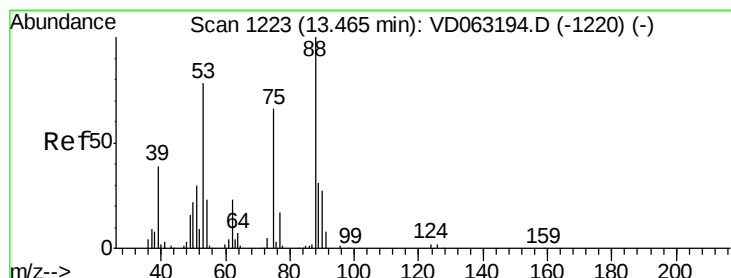
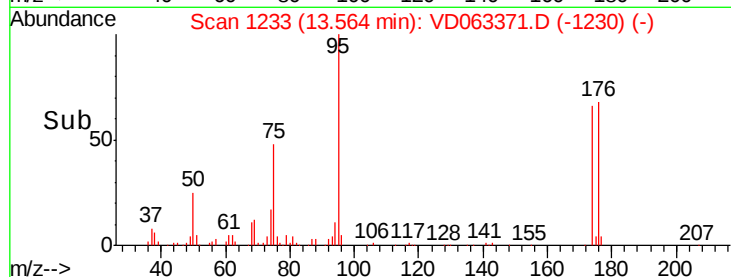
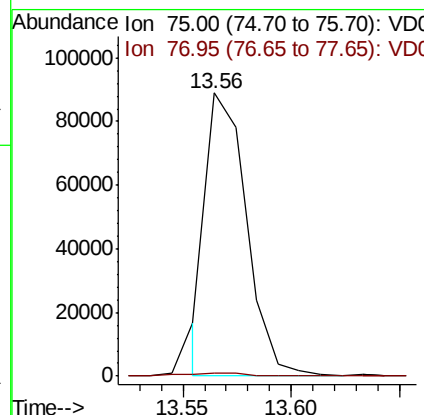
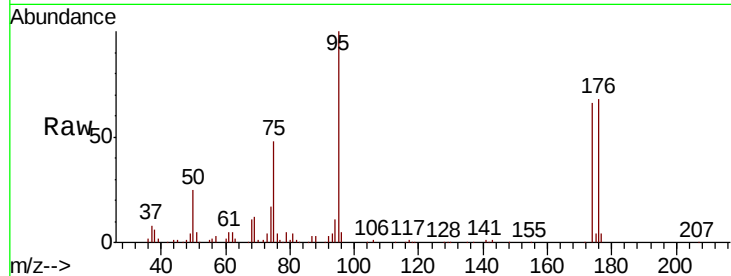




#76
 1,2,3-Trichloropropane
 Concen: 40.751 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. -0.17 min
 Lab File: VD063371.D
 Acq: 3 Aug 2019 19:39

Instrument :
 MSVOA_D
 ClientSampleId :
 1S-A3-(30)

Tgt Ion: 75 Resp: 116629
 Ion Ratio Lower Upper
 75 100
 77 1.2 16.0 48.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 159.936 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.10 min
 Lab File: VD063371.D
 Acq: 3 Aug 2019 19:39

Tgt Ion: 75 Resp: 127104
 Ion Ratio Lower Upper
 75 100
 53 0.0 94.9 142.3#
 89 0.0 37.4 56.0#

