

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081519\
 Data File : VD063612.D
 Acq On : 15 Aug 2019 18:16
 Operator : JC/SY
 Sample : K4356-05
 Misc : 3.38g/5ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

Quant Time: Aug 16 01:06:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	708683	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	889310	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	451482	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	113220	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	354569	46.81	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	93.62%	
35) Dibromofluoromethane	6.92	113	383140	51.15	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	102.30%	
50) Toluene-d8	10.40	98	654904	39.77	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	79.54%	
62) 4-Bromofluorobenzene	13.55	95	131872	17.67	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	35.34%	

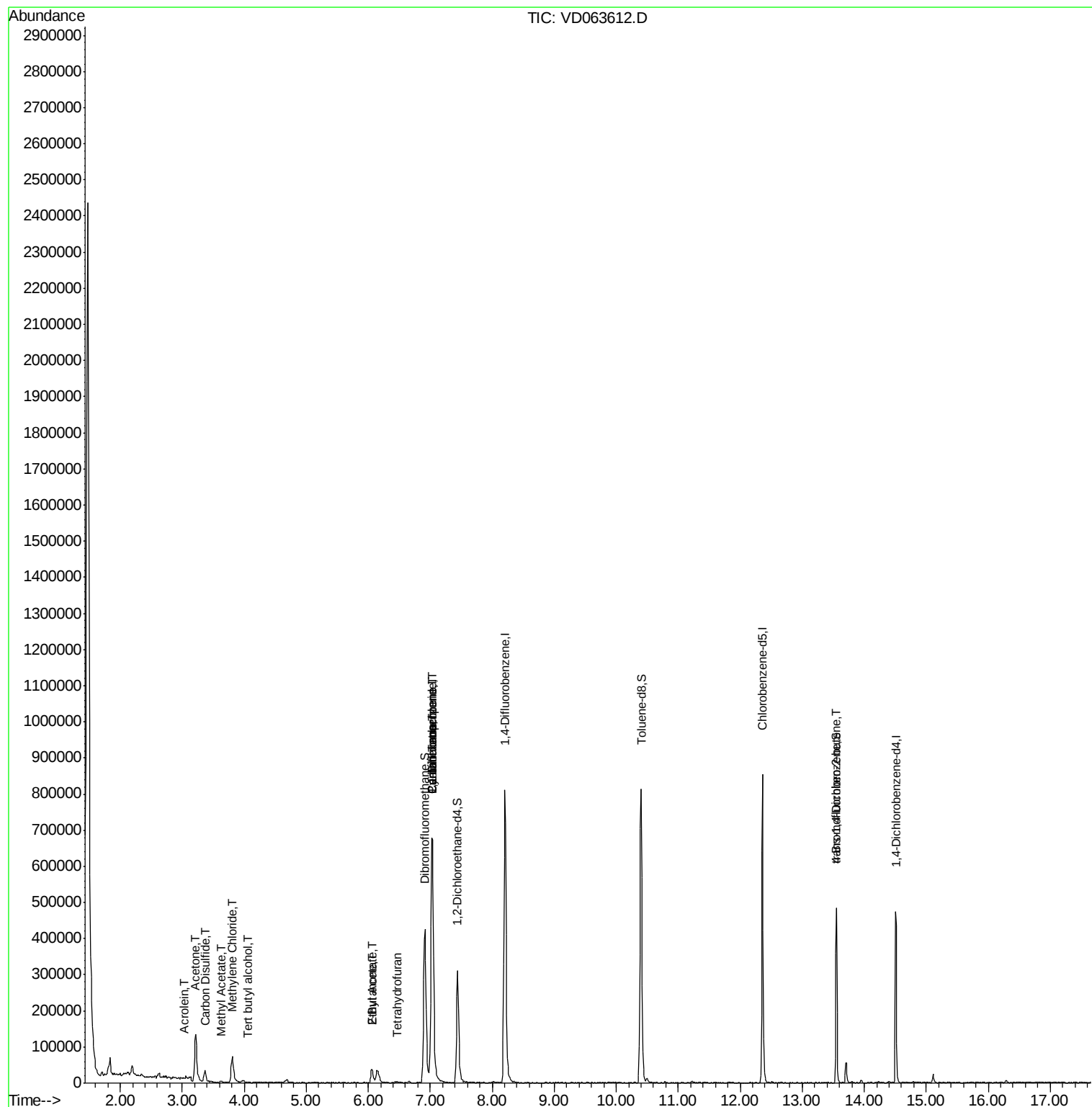
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.06	59	562	1.704	ug/l #	71
13) Acrolein	3.04	56	477	1.470	ug/l #	83
16) Acetone	3.22	43	247329	160.613	ug/l	93
17) Carbon Disulfide	3.36	76	58283	3.225	ug/l #	94
18) Methyl Acetate	3.62	43	5627	1.929	ug/l	92
20) Methylene Chloride	3.82	84	42480	6.380	ug/l	94
25) 2-Butanone	6.05	43	77245	50.790	ug/l	93
29) Tetrahydrofuran	6.45	42	1719	2.426	ug/l #	47
31) Cyclohexane	7.04	56	15374	2.248	ug/l #	26
36) 1,1-Dichloropropene	7.04	75	51991	6.613	ug/l #	49
37) Ethyl Acetate	6.05	43	72118	21.892	ug/l #	73
38) Carbon Tetrachloride	7.03	117	64617	5.454	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.55	75	64924	185.900	ug/l #	1

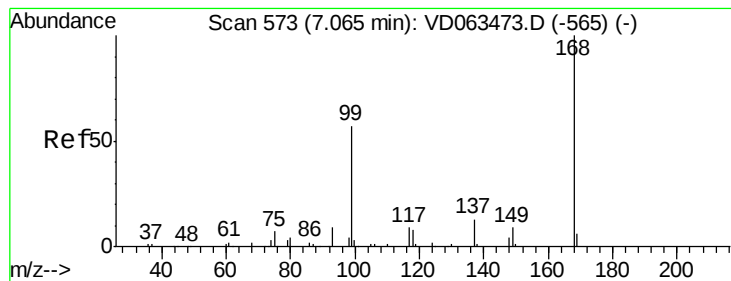
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081519\
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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063612.D

Acq: 15 Aug 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

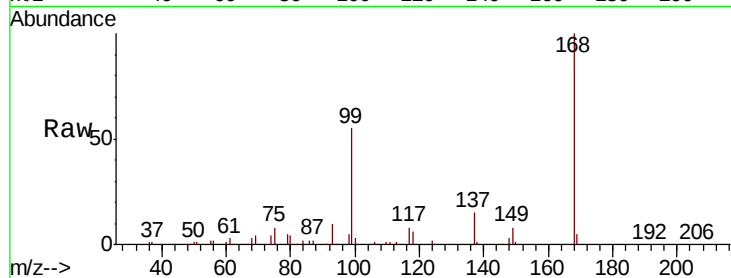
TP-3

Tgt Ion:168 Resp: 708683

Ion Ratio Lower Upper

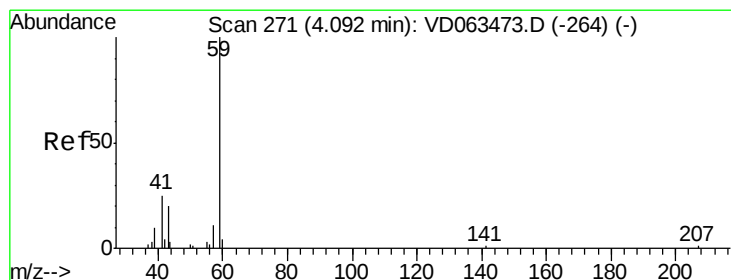
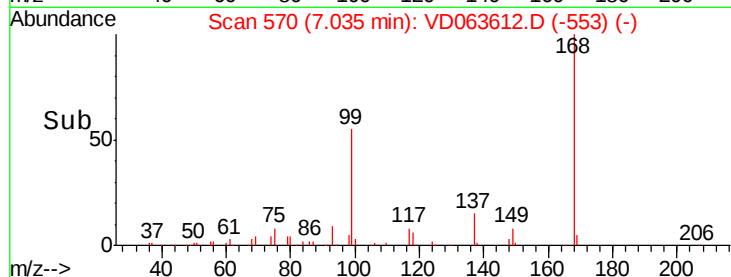
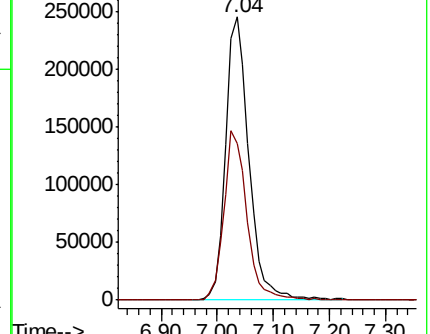
168 100

99 55.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.704 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.03 min

Lab File: VD063612.D

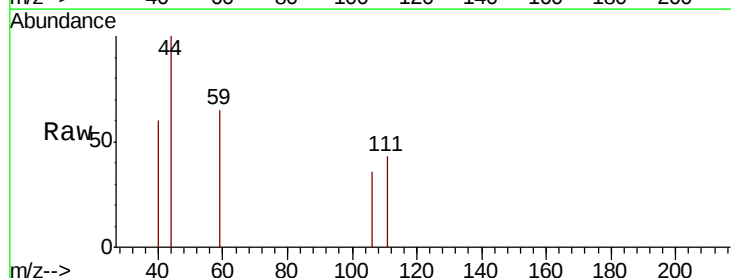
Acq: 15 Aug 2019 18:16

Tgt Ion: 59 Resp: 562

Ion Ratio Lower Upper

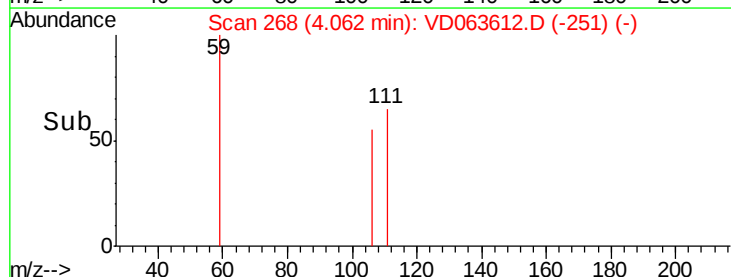
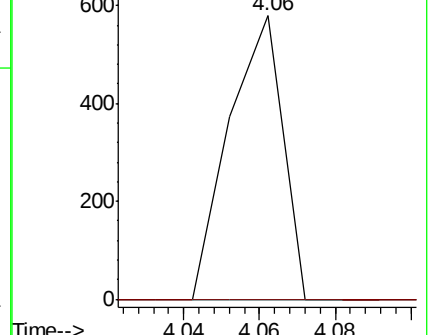
59 100

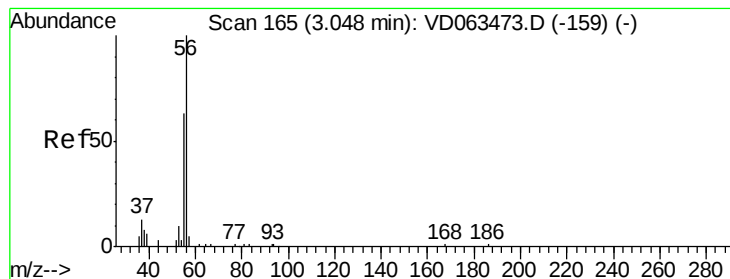
57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.470 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD063612.D

Acq: 15 Aug 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

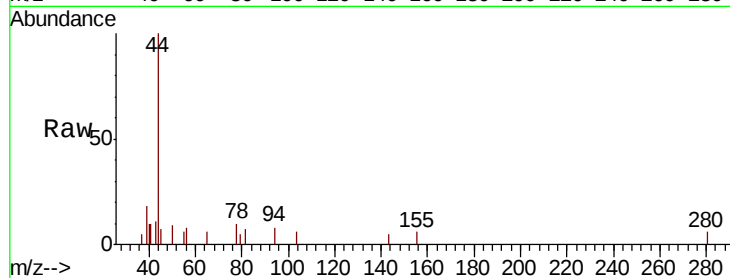
TP-3

Tgt Ion: 56 Resp: 477

Ion Ratio Lower Upper

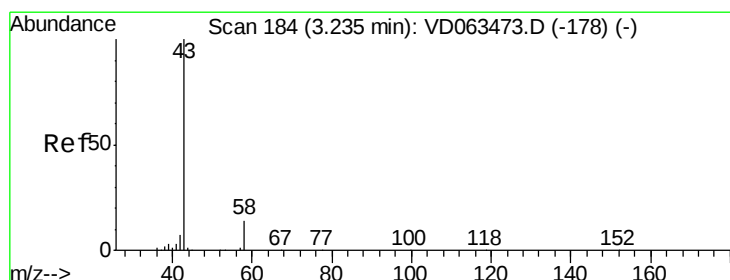
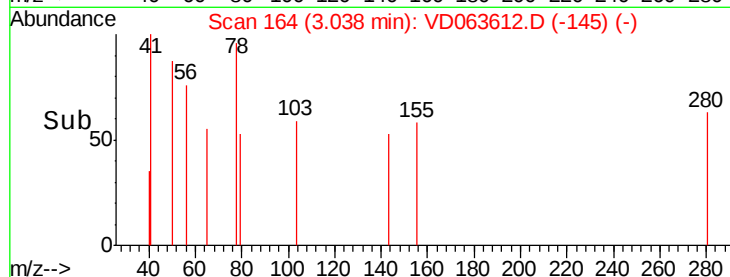
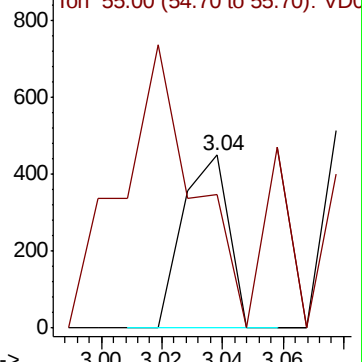
56 100

55 77.3 51.3 76.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 160.613 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063612.D

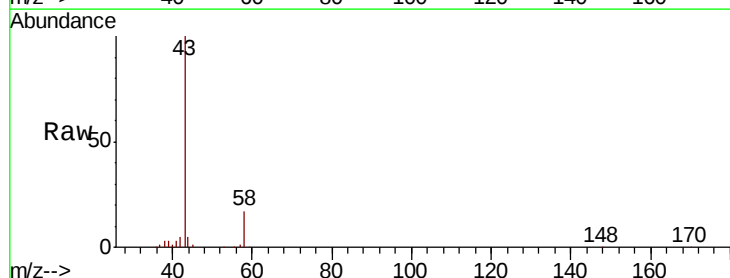
Acq: 15 Aug 2019 18:16

Tgt Ion: 43 Resp: 247329

Ion Ratio Lower Upper

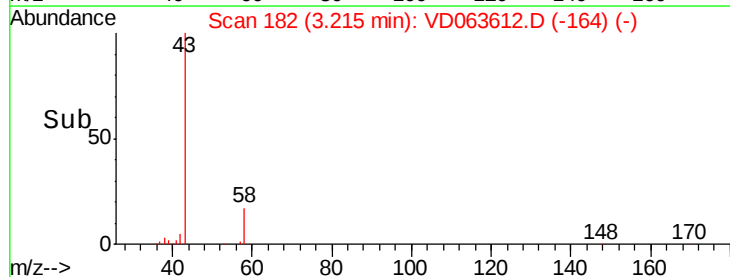
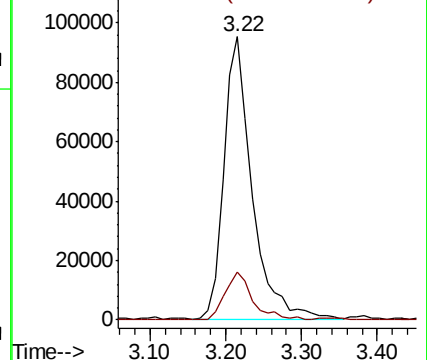
43 100

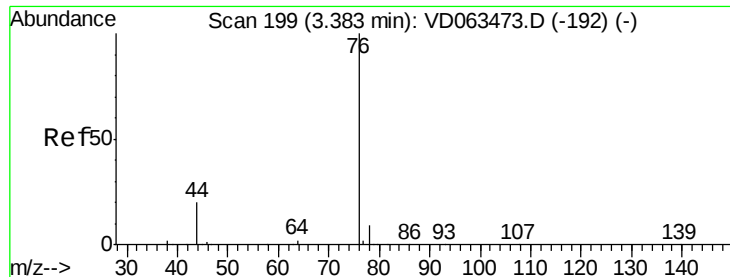
58 17.1 11.4 17.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

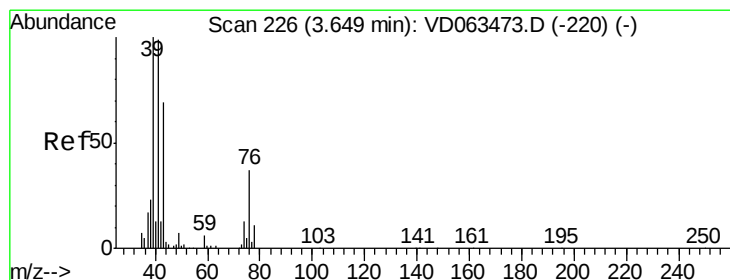
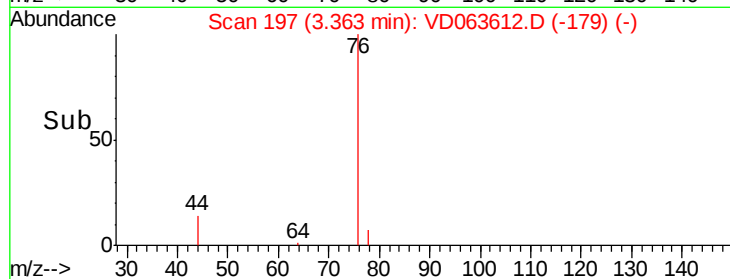
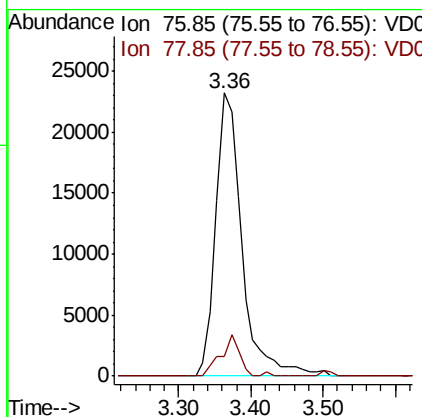
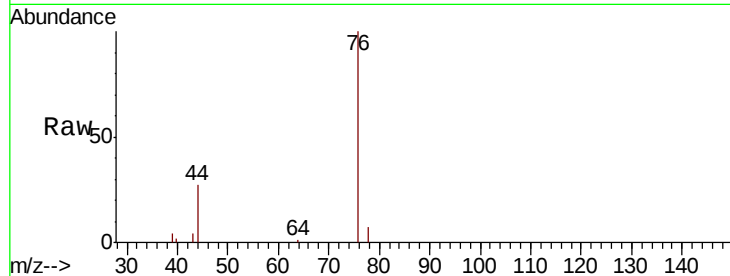




#17
Carbon Disulfide
Concen: 3.225 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.02 min
Lab File: VD063612.D
Acq: 15 Aug 2019 18:16

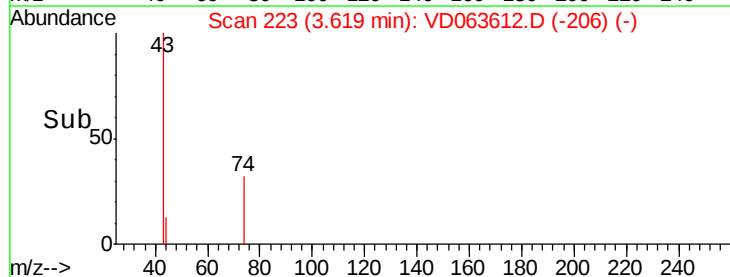
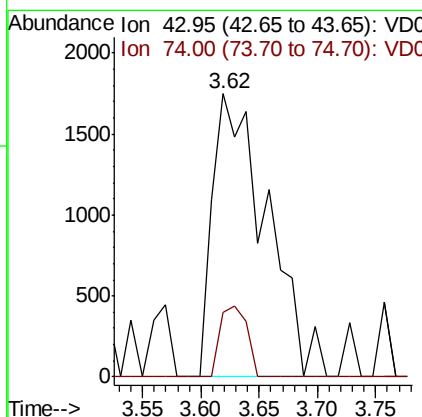
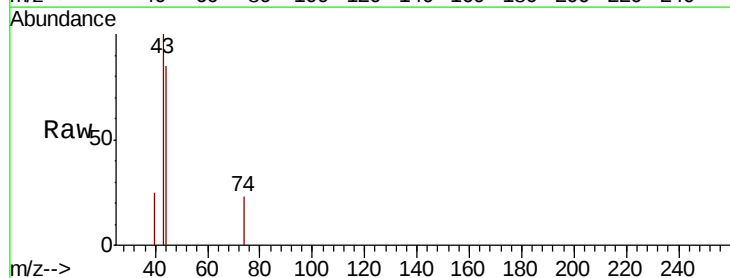
Instrument :
MSVOA_D
ClientSampleId :
TP-3

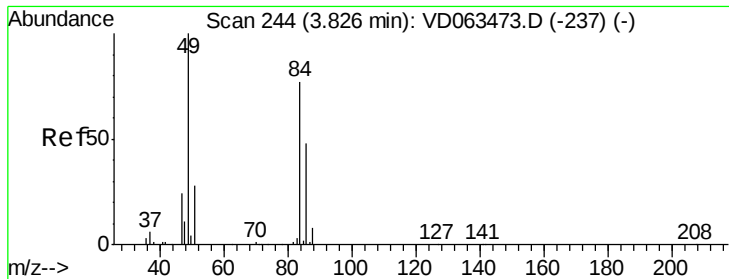
Tgt Ion: 76 Resp: 58283
Ion Ratio Lower Upper
76 100
78 7.2 7.4 11.0#



#18
Methyl Acetate
Concen: 1.929 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.03 min
Lab File: VD063612.D
Acq: 15 Aug 2019 18:16

Tgt Ion: 43 Resp: 5627
Ion Ratio Lower Upper
43 100
74 22.8 15.4 23.2

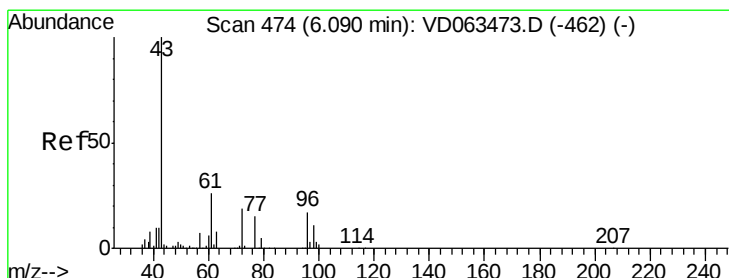
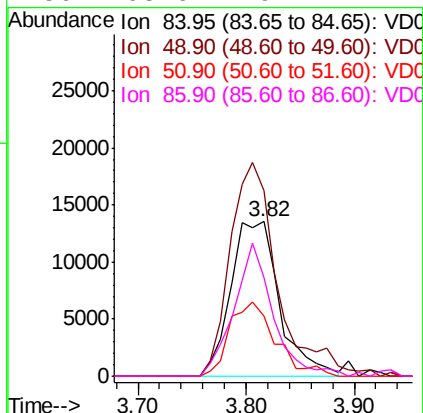
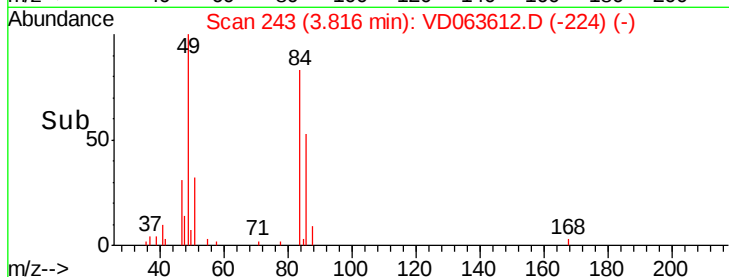
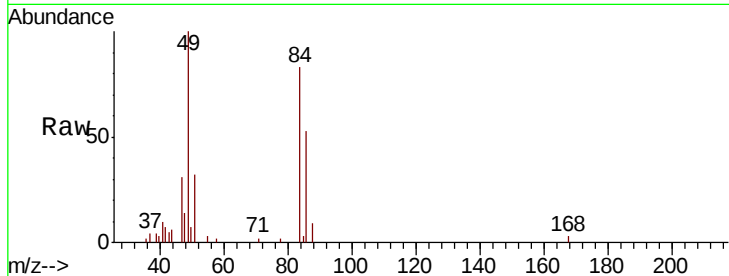




#20
Methylene Chloride
Concen: 6.380 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD063612.D
Acq: 15 Aug 2019 18:16

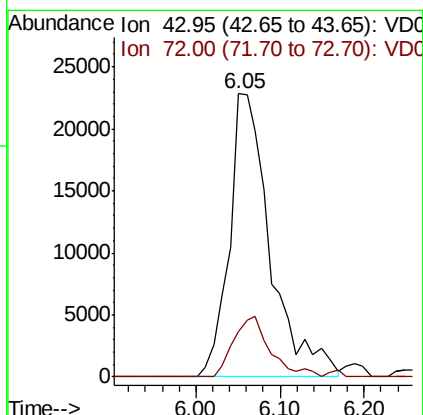
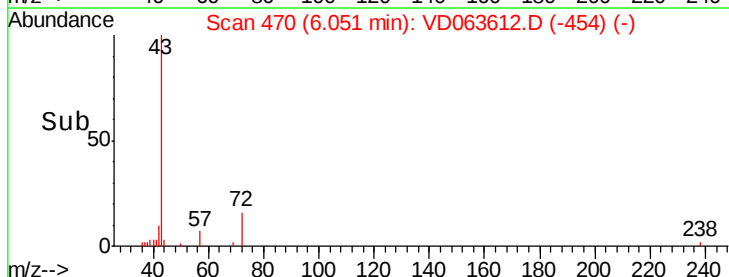
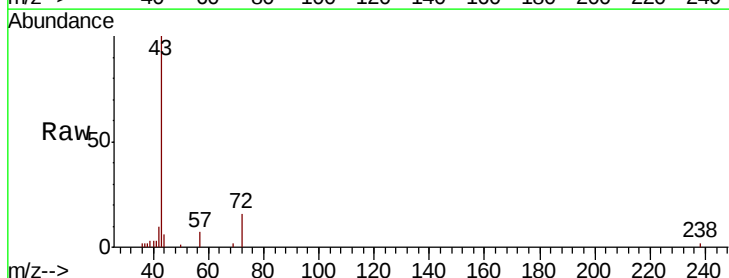
Instrument :
MSVOA_D
ClientSampleId :
TP-3

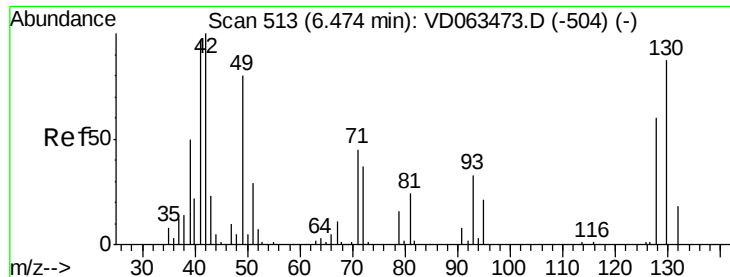
Tgt Ion: 84 Resp: 42480
Ion Ratio Lower Upper
84 100
49 119.9 103.4 155.2
51 38.5 28.5 42.7
86 63.6 49.4 74.2



#25
2-Butanone
Concen: 50.790 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.04 min
Lab File: VD063612.D
Acq: 15 Aug 2019 18:16

Tgt Ion: 43 Resp: 77245
Ion Ratio Lower Upper
43 100
72 15.9 15.1 22.7





#29

Tetrahydrofuran

Concen: 2.426 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.02 min

Lab File: VD063612.D

Acq: 15 Aug 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

TP-3

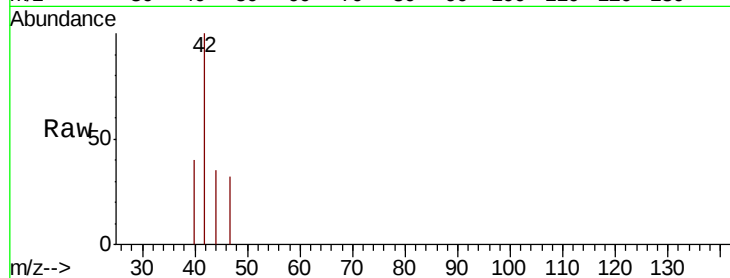
Tgt Ion: 42 Resp: 1719

Ion Ratio Lower Upper

42 100

72 0.0 31.5 47.3#

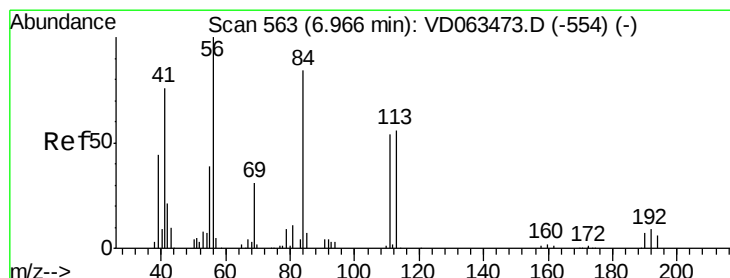
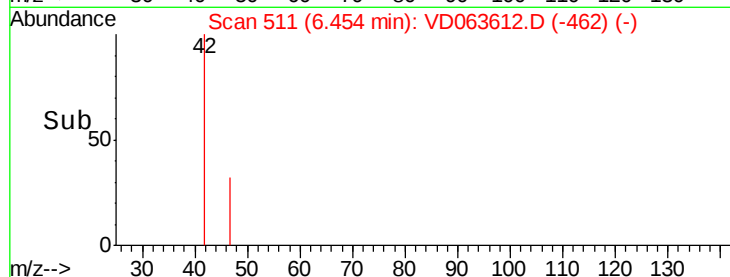
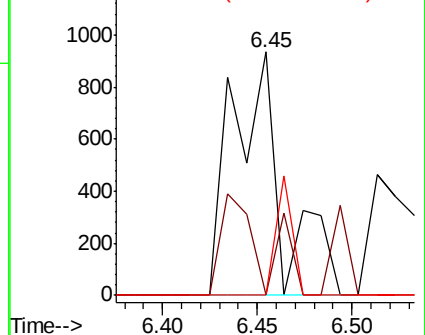
71 15.8 33.8 50.8#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 2.248 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD063612.D

Acq: 15 Aug 2019 18:16

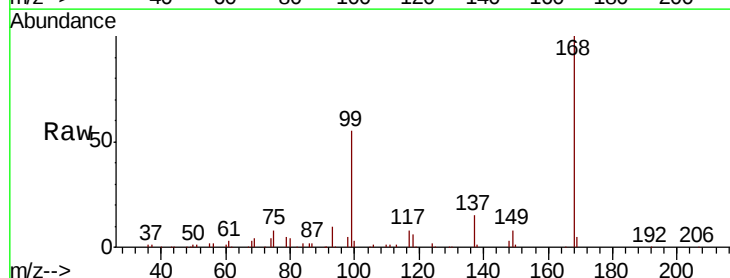
Tgt Ion: 56 Resp: 15374

Ion Ratio Lower Upper

56 100

69 181.2 25.0 37.6#

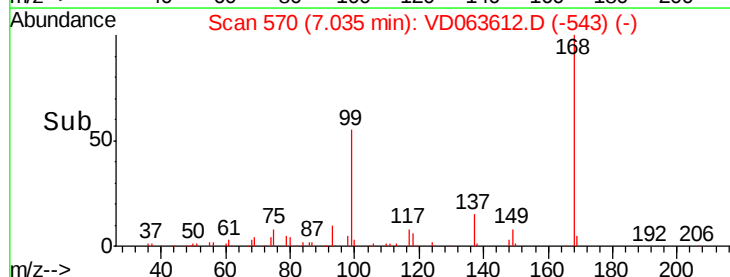
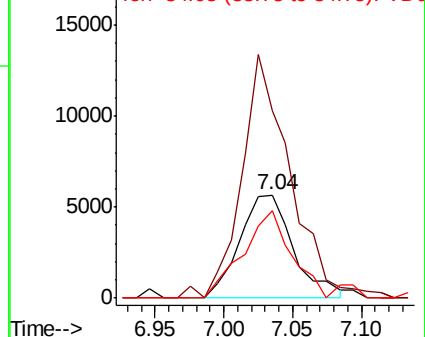
84 84.4 69.7 104.5

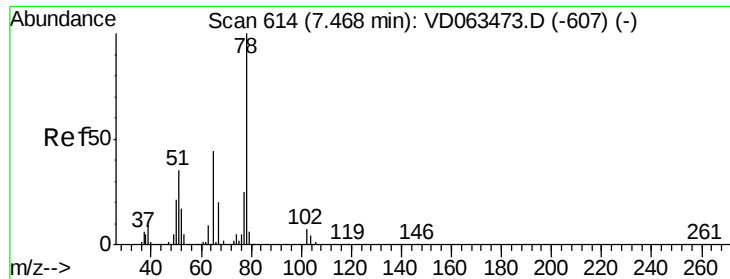


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

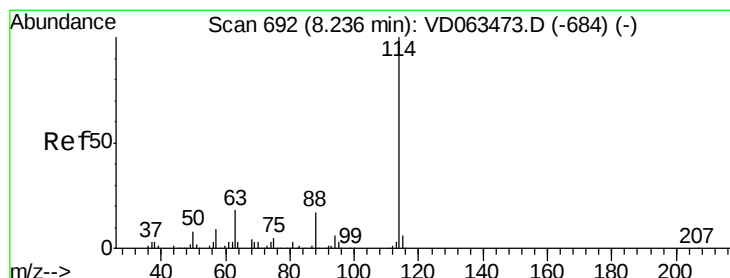
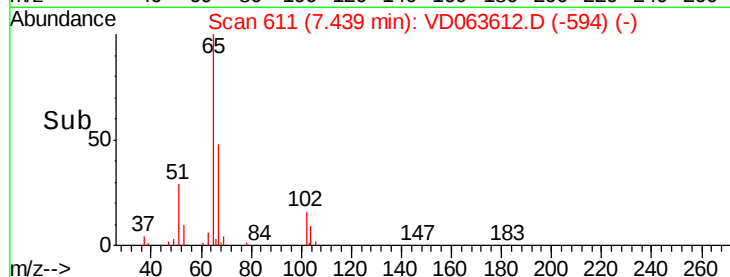
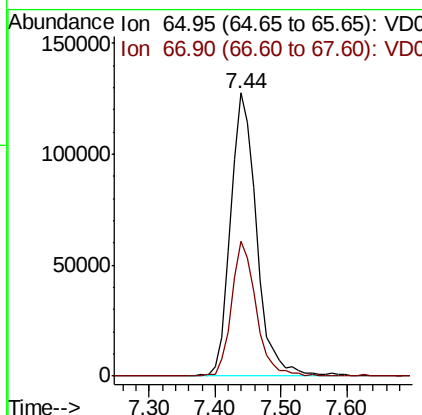
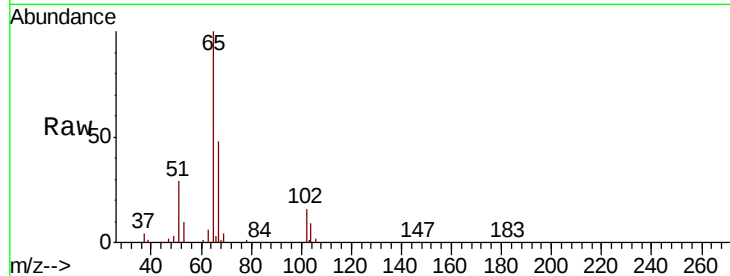




#33
 1,2-Dichloroethane-d4
 Concen: 46.806 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063612.D
 Acq: 15 Aug 2019 18:16

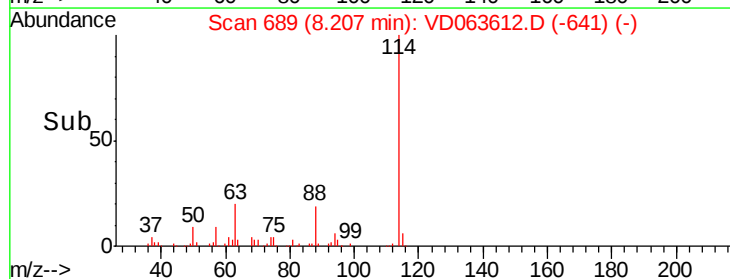
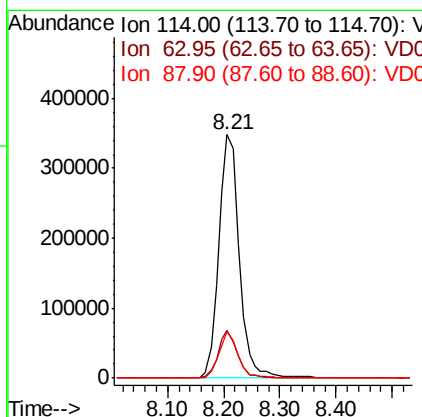
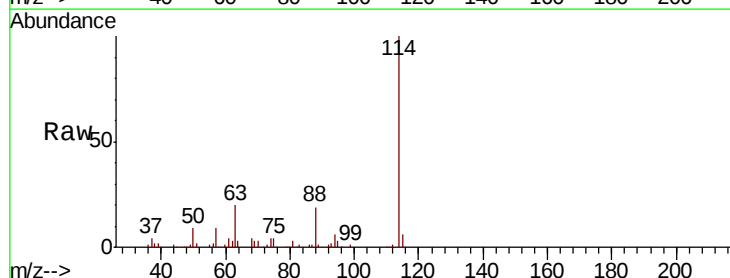
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 MSVOA_D
 ClientSampled :
 TP-3

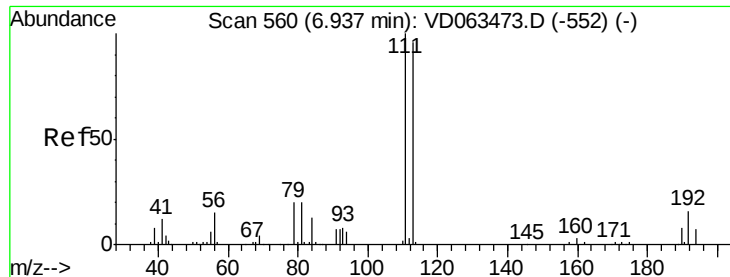
Tgt Ion: 65 Resp: 354569
 Ion Ratio Lower Upper
 65 100
 67 47.7 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063612.D
 Acq: 15 Aug 2019 18:16

Tgt Ion: 114 Resp: 889310
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 36.2
 88 18.9 0.0 35.0

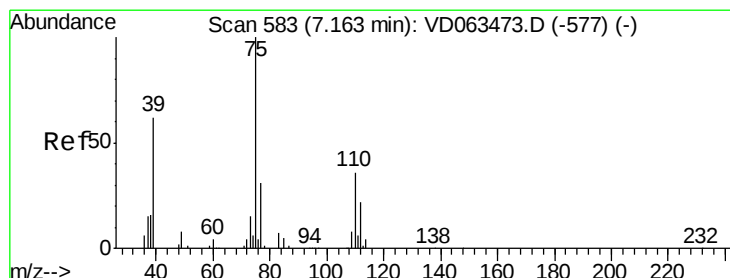
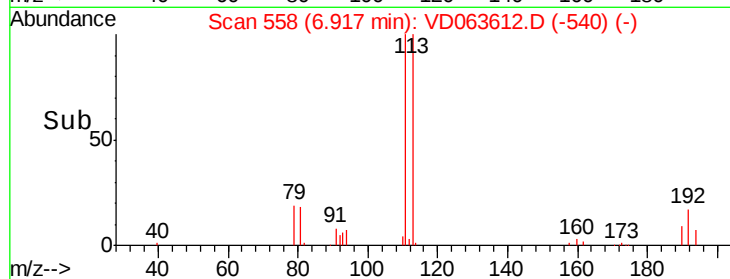
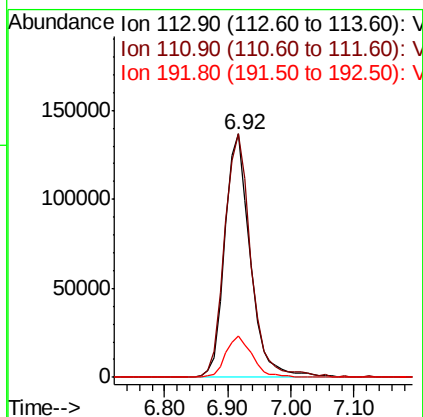
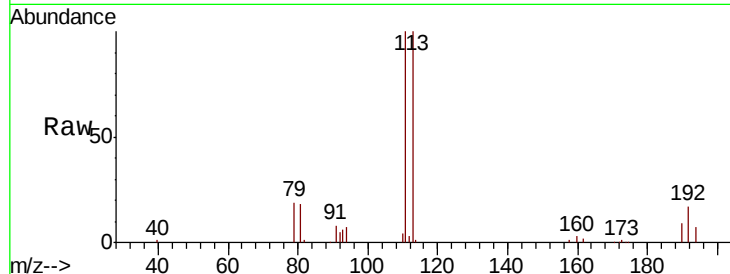




#35
 Dibromofluoromethane
 Concen: 51.155 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD063612.D
 Acq: 15 Aug 2019 18:16

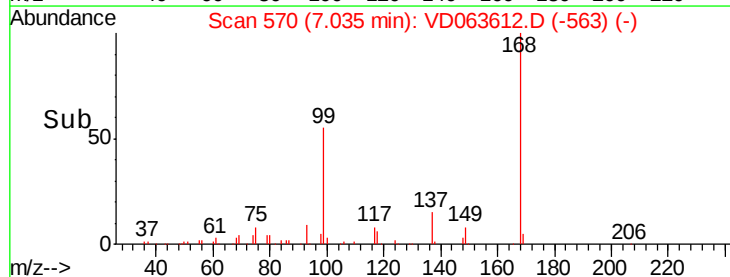
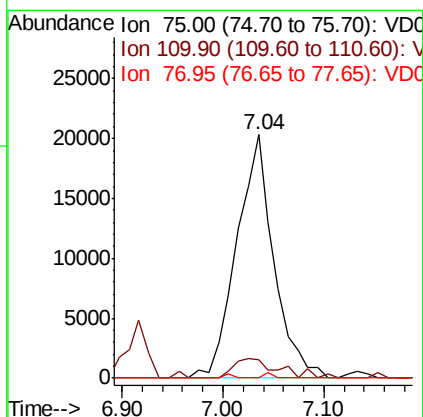
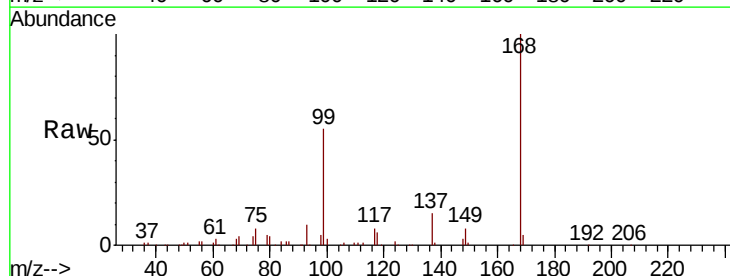
Instrument :
 MSVOA_D
 ClientSampled :
 TP-3

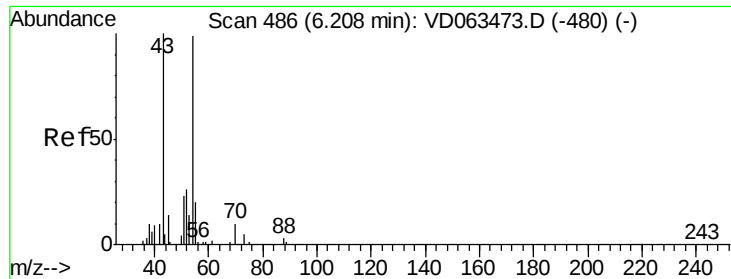
Tgt Ion:113 Resp: 383140
 Ion Ratio Lower Upper
 113 100
 111 100.2 83.1 124.7
 192 16.8 13.1 19.7



#36
 1,1-Dichloropropene
 Concen: 6.613 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.13 min
 Lab File: VD063612.D
 Acq: 15 Aug 2019 18:16

Tgt Ion: 75 Resp: 51991
 Ion Ratio Lower Upper
 75 100
 110 7.7 17.6 52.8#
 77 0.0 24.3 36.5#

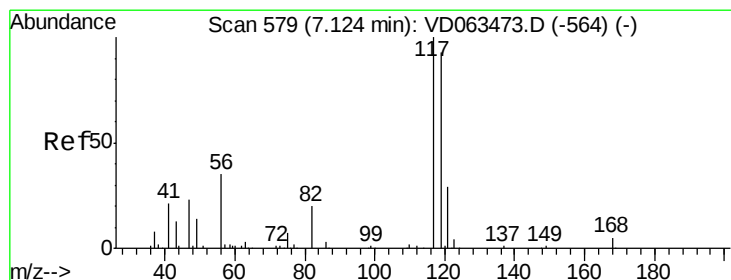
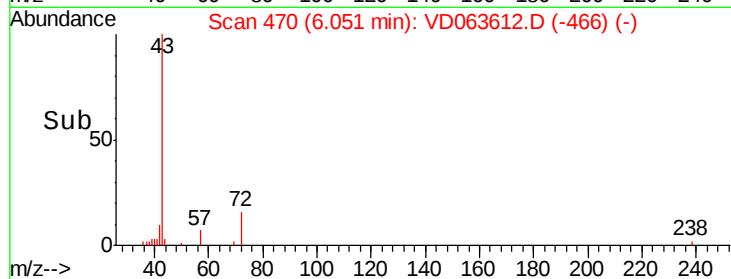
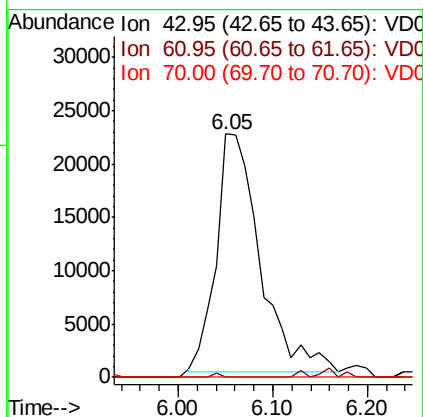
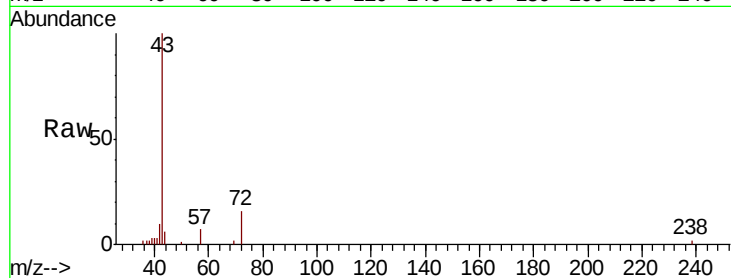




#37
 Ethyl Acetate
 Concen: 21.892 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. -0.16 min
 Lab File: VD063612.D
 Acq: 15 Aug 2019 18:16

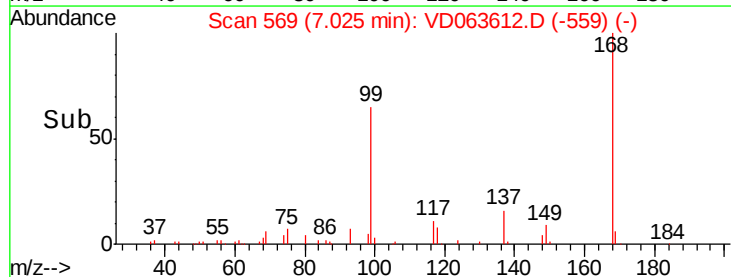
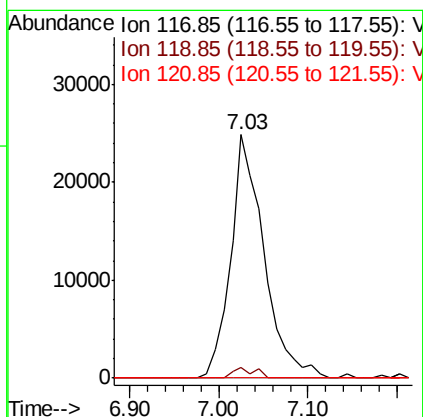
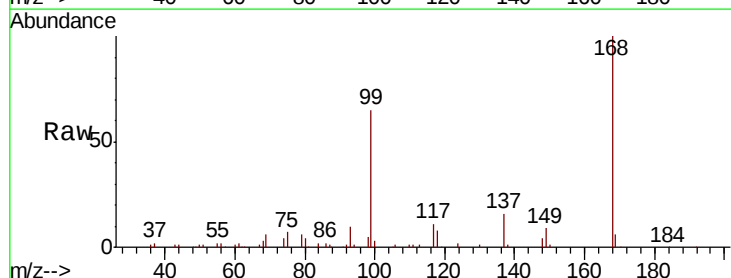
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

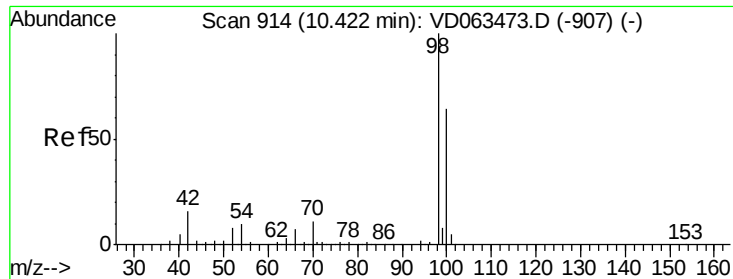
Tgt Ion: 43 Resp: 72118
 Ion Ratio Lower Upper
 43 100
 61 0.0 9.0 13.6#
 70 0.0 6.9 10.3#



#38
 Carbon Tetrachloride
 Concen: 5.454 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.10 min
 Lab File: VD063612.D
 Acq: 15 Aug 2019 18:16

Tgt Ion: 117 Resp: 64617
 Ion Ratio Lower Upper
 117 100
 119 4.2 74.2 111.2#
 121 0.0 23.1 34.7#

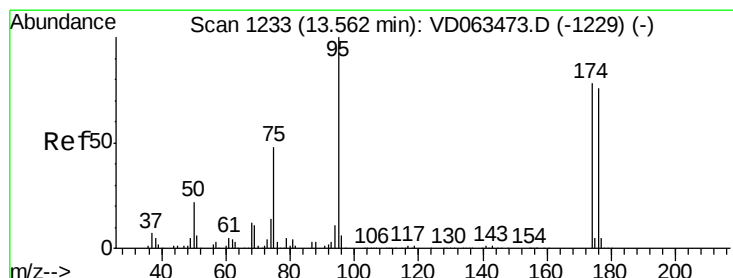
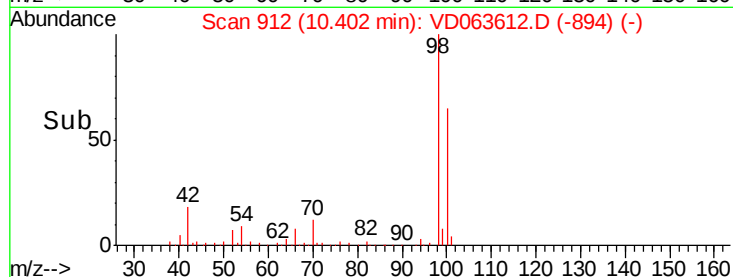
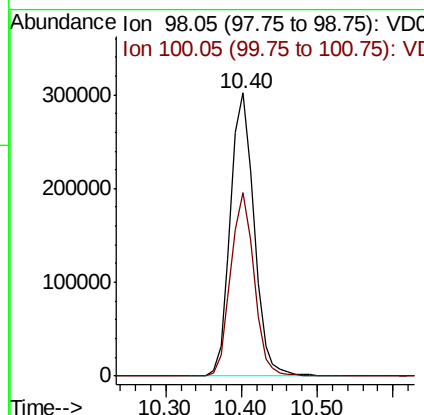
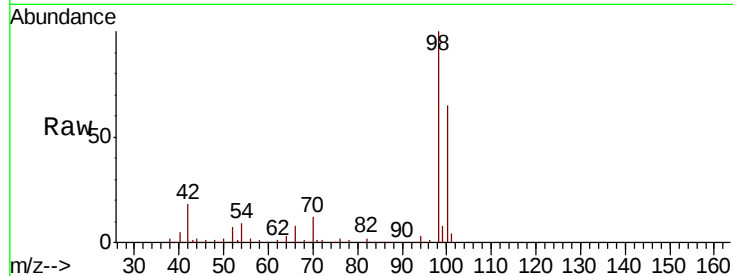




#50
Toluene-d8
Concen: 39.771 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063612.D
Acq: 15 Aug 2019 18:16

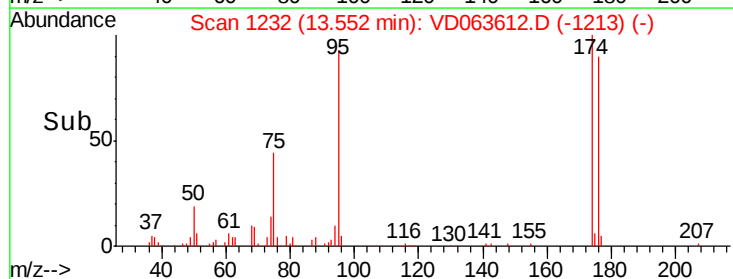
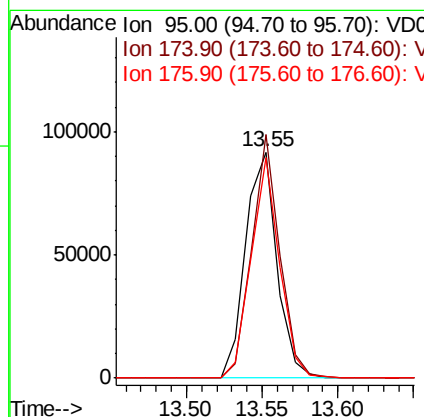
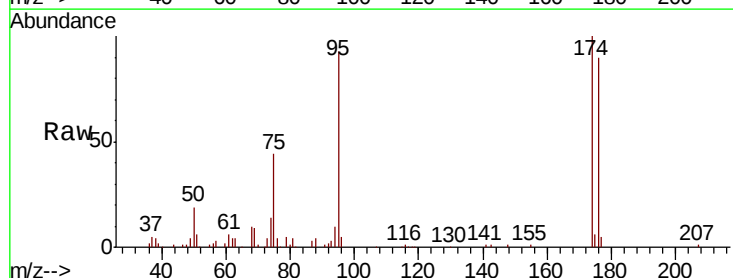
Instrument :
MSVOA_D
ClientSampleId :
TP-3

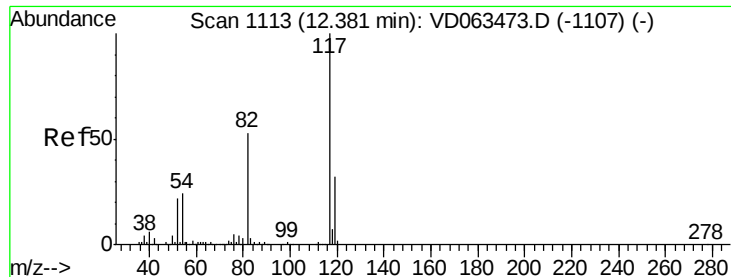
Tgt Ion: 98 Resp: 654904
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 17.669 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063612.D
Acq: 15 Aug 2019 18:16

Tgt Ion: 95 Resp: 131872
Ion Ratio Lower Upper
95 100
174 107.7 0.0 155.4
176 97.4 0.0 152.4

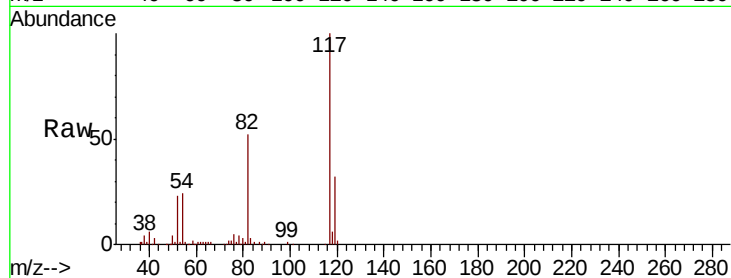




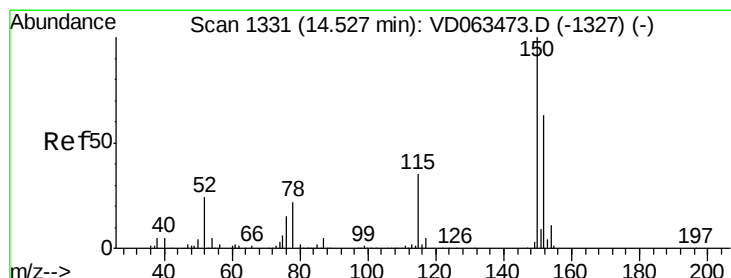
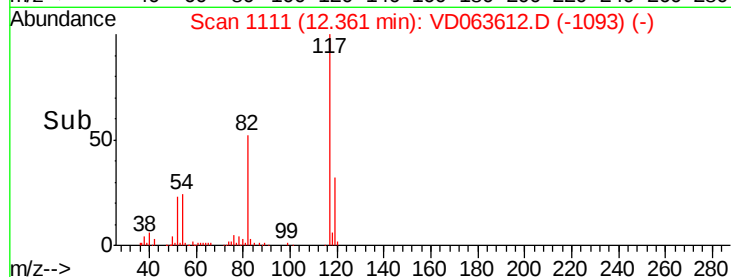
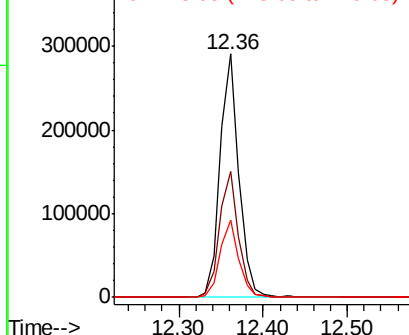
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063612.D
Acq: 15 Aug 2019 18:16

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion:117 Resp: 451482
Ion Ratio Lower Upper
117 100
82 51.8 42.0 63.0
119 31.6 25.4 38.0

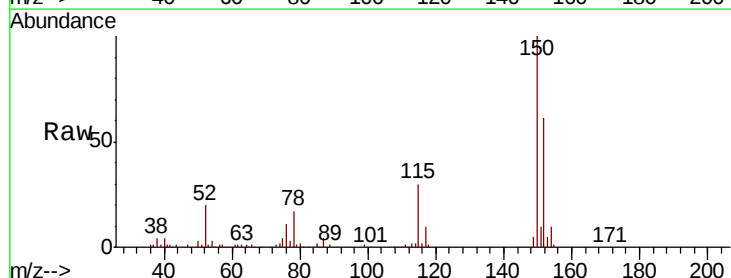


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

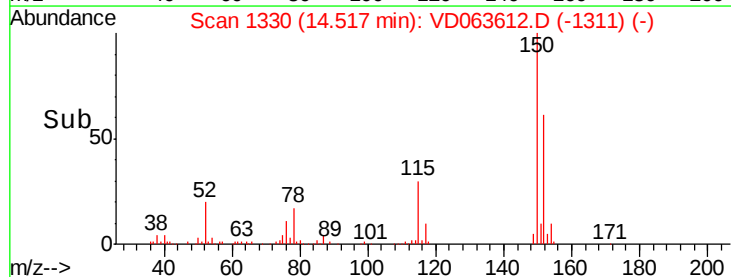
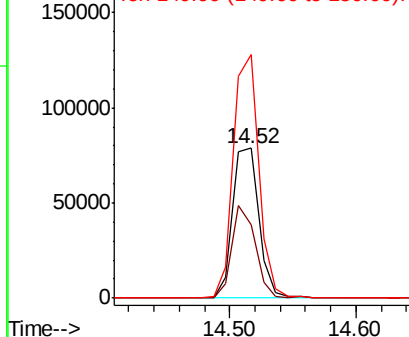


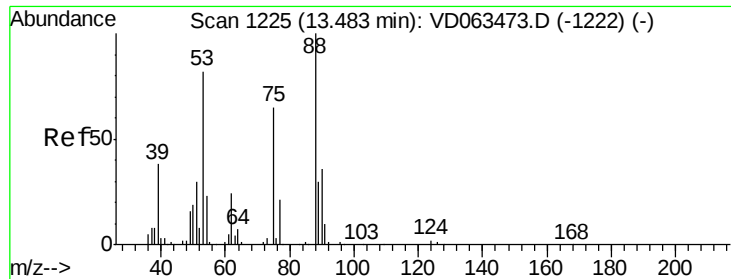
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063612.D
Acq: 15 Aug 2019 18:16

Tgt Ion:152 Resp: 113220
Ion Ratio Lower Upper
152 100
115 48.9 30.9 92.7
150 162.6 0.0 318.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 185.900 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063612.D

Acq: 15 Aug 2019 18:16

Instrument :

MSVOA_D

ClientSampleId :

TP-3

Tgt Ion: 75 Resp: 64924

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#

