

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081919\
 Data File : VD063661.D
 Acq On : 19 Aug 2019 16:51
 Operator : JC/SY
 Sample : K4385-17
 Misc : 5.62g/5ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T8-D-(0)

Quant Time: Aug 20 08:15:52 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	924990	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1307186	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	858281	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	246834	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	479750	48.52	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	97.04%	
35) Dibromofluoromethane	6.92	113	562173	51.06	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	102.12%	
50) Toluene-d8	10.40	98	984459	40.67	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	81.34%	
62) 4-Bromofluorobenzene	13.55	95	300450	27.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	54.78%	

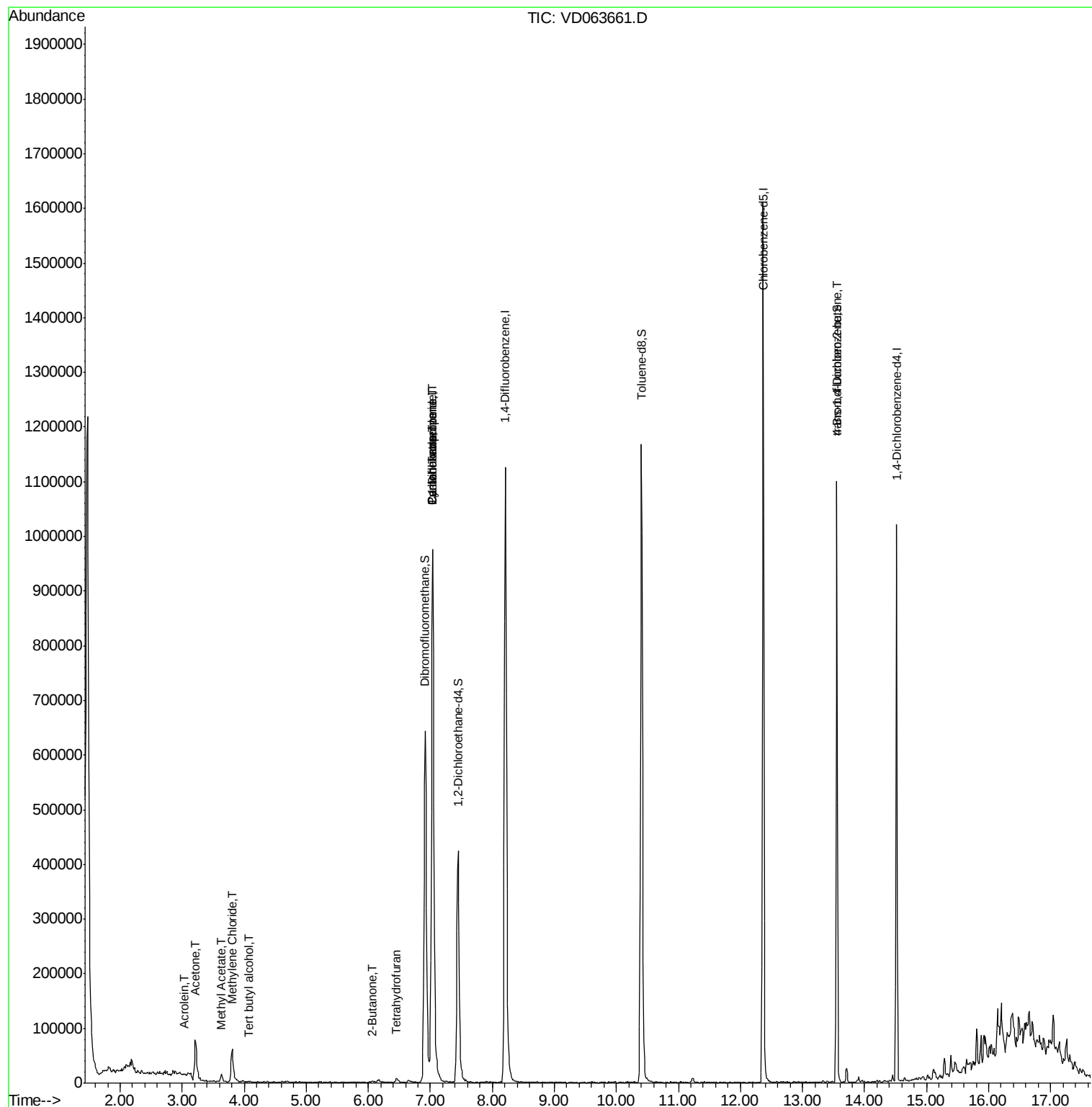
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.08	59	811	1.884	ug/l #	71
13) Acrolein	3.02	56	520	1.227	ug/l #	46
16) Acetone	3.21	43	143233	71.263	ug/l	99
18) Methyl Acetate	3.63	43	22965	6.032	ug/l	100
20) Methylene Chloride	3.81	84	38218	4.397	ug/l #	88
25) 2-Butanone	6.06	43	7555	3.806	ug/l	97
29) Tetrahydrofuran	6.46	42	4582	4.954	ug/l #	84
31) Cyclohexane	7.03	56	21044	2.357	ug/l #	24
36) 1,1-Dichloropropene	7.04	75	67166	5.812	ug/l #	50
38) Carbon Tetrachloride	7.04	117	88951	5.107	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.55	75	131995	173.360	ug/l #	1

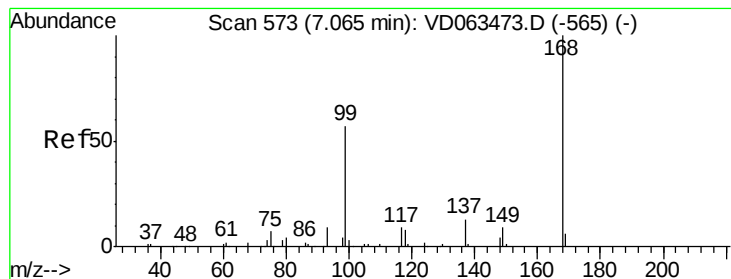
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063661.D

Acq: 19 Aug 2019 16:51

Instrument :

MSVOA_D

ClientSampleId :

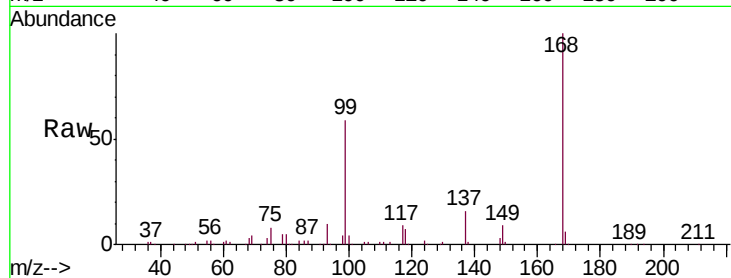
T8-D-(0)

Tgt Ion:168 Resp: 924990

Ion Ratio Lower Upper

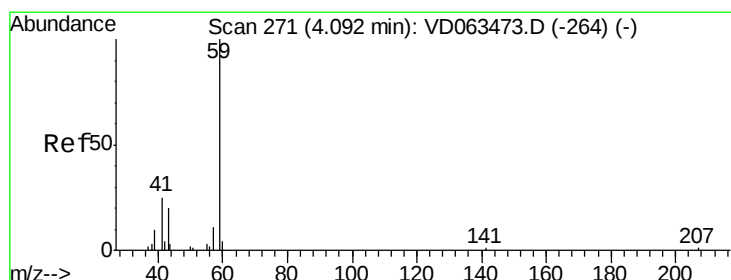
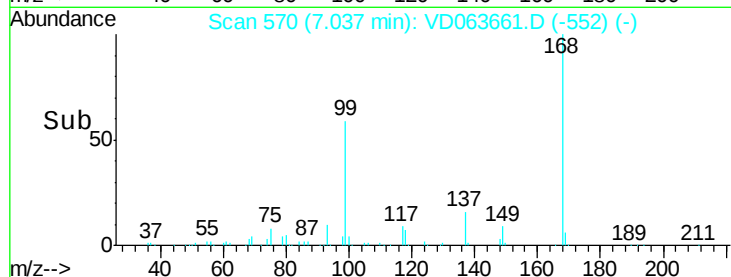
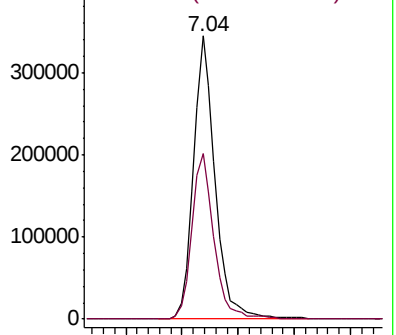
168 100

99 58.6 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: 1.884 ug/l

RT: 4.08 min Scan# 270

Delta R.T. -0.01 min

Lab File: VD063661.D

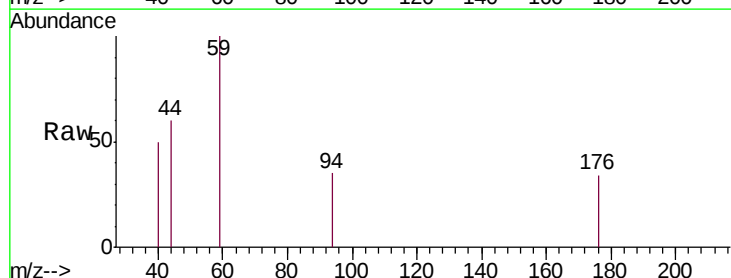
Acq: 19 Aug 2019 16:51

Tgt Ion: 59 Resp: 811

Ion Ratio Lower Upper

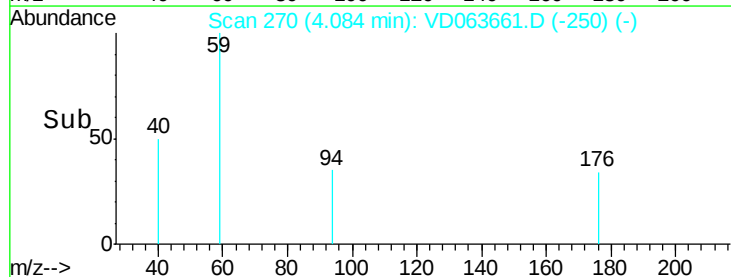
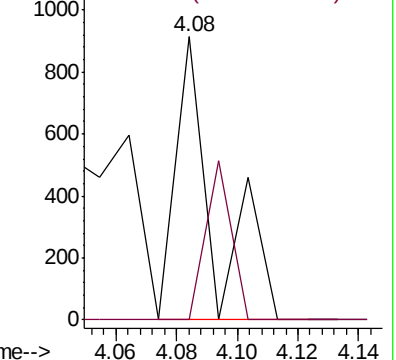
59 100

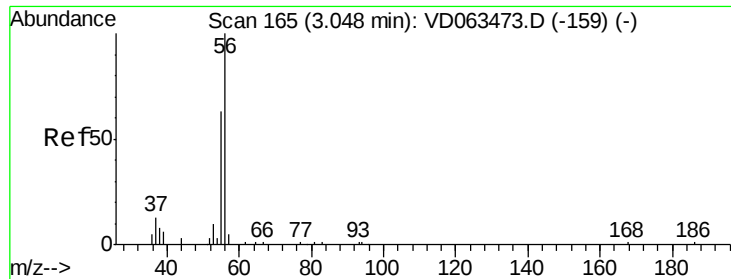
57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.227 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.03 min

Lab File: VD063661.D

Acq: 19 Aug 2019 16:51

Instrument :

MSVOA_D

ClientSampleId :

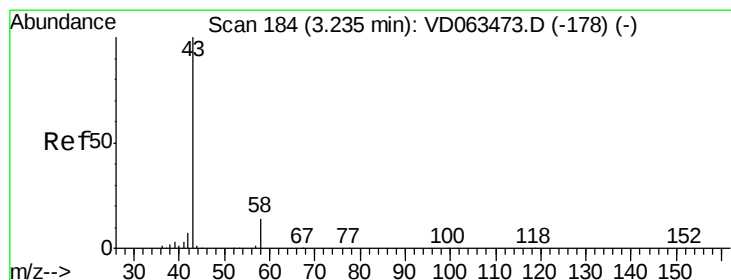
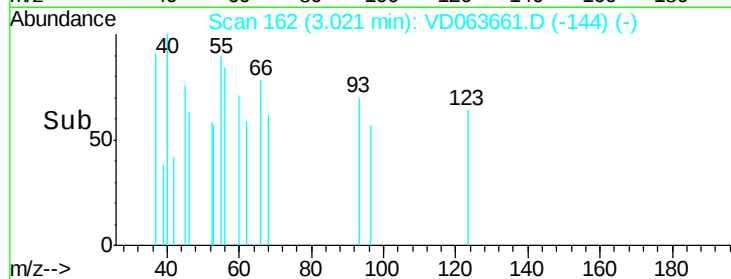
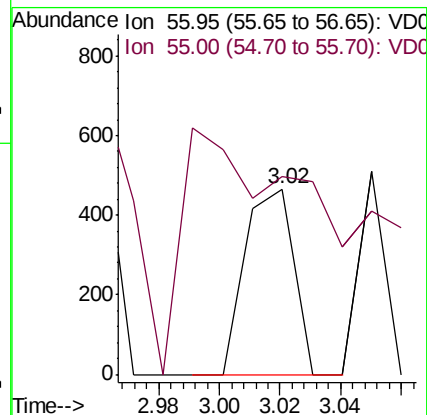
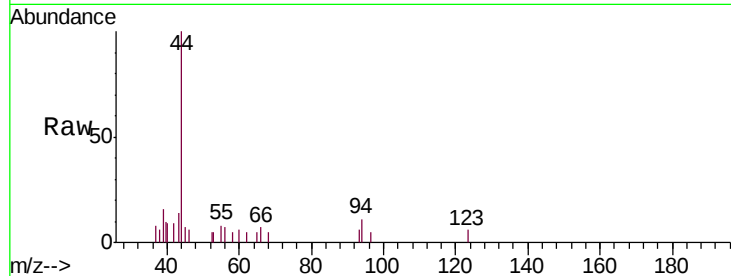
T8-D-(0)

Tgt Ion: 56 Resp: 520

Ion Ratio Lower Upper

56 100

55 106.7 51.3 76.9#



#16

Acetone

Concen: 71.263 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD063661.D

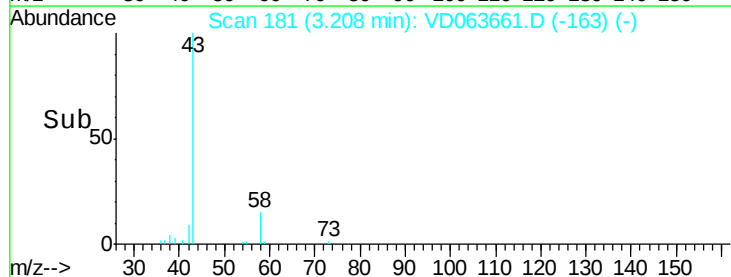
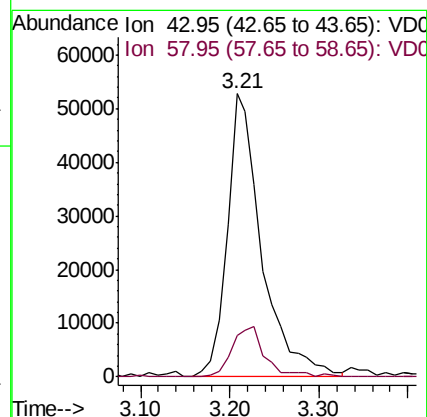
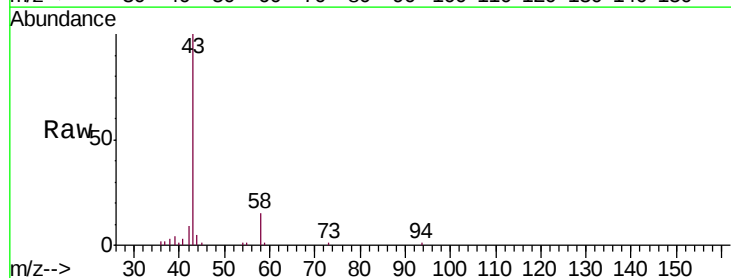
Acq: 19 Aug 2019 16:51

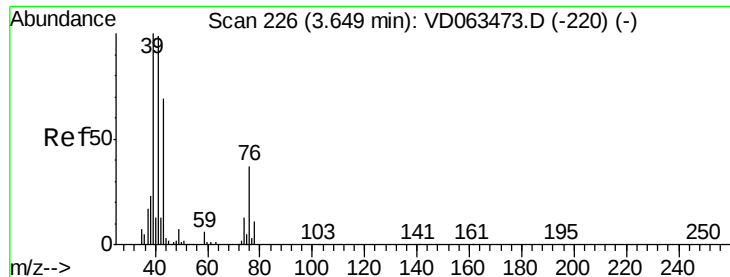
Tgt Ion: 43 Resp: 143233

Ion Ratio Lower Upper

43 100

58 14.7 11.4 17.2

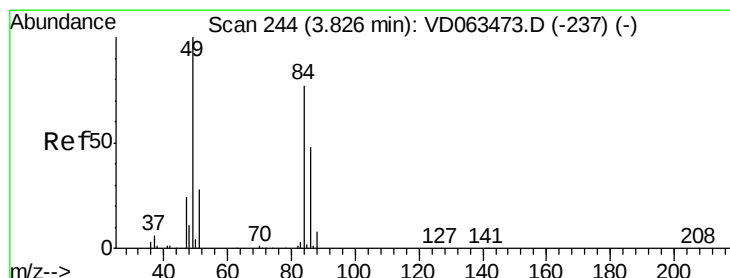
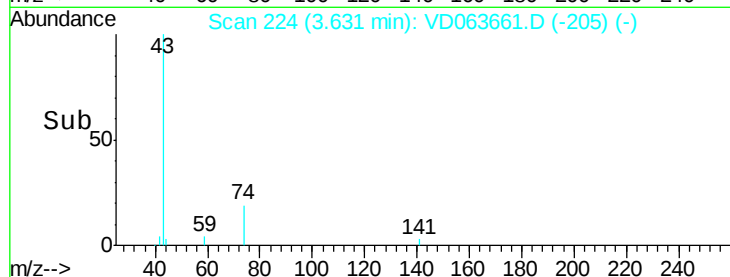
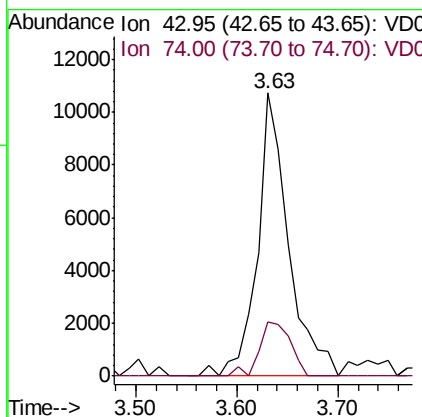
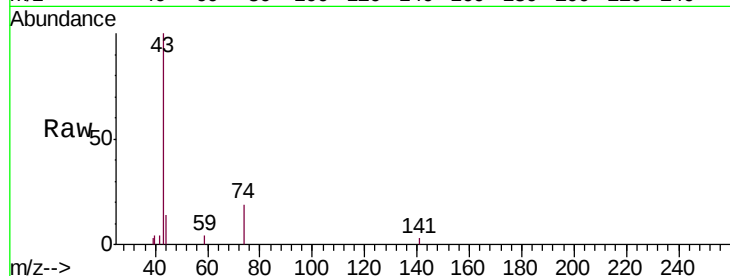




#18
Methyl Acetate
Concen: 6.032 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD063661.D
Acq: 19 Aug 2019 16:51

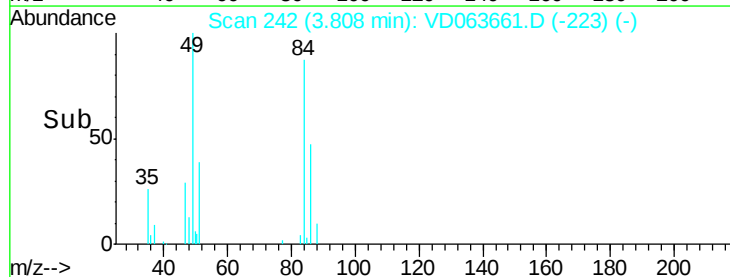
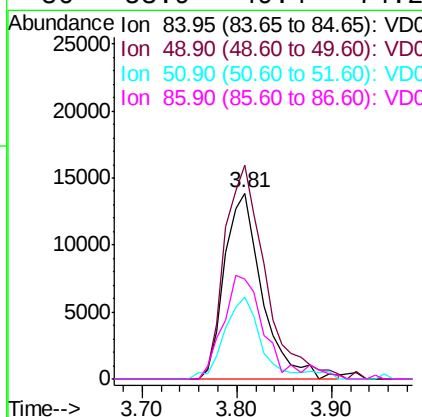
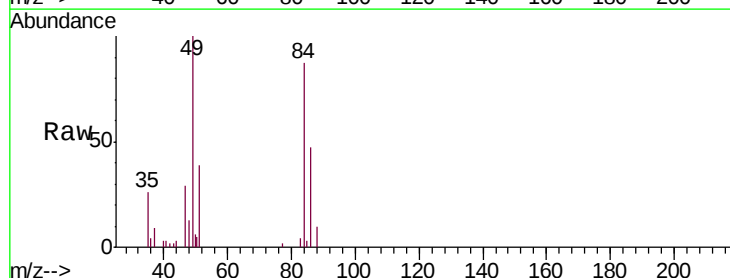
Instrument :
MSVOA_D
ClientSampleId :
T8-D-(0)

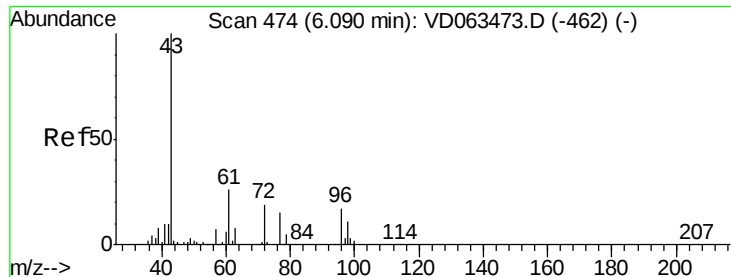
Tgt Ion: 43 Resp: 22965
Ion Ratio Lower Upper
43 100
74 19.4 15.4 23.2



#20
Methylene Chloride
Concen: 4.397 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063661.D
Acq: 19 Aug 2019 16:51

Tgt Ion: 84 Resp: 38218
Ion Ratio Lower Upper
84 100
49 114.9 103.4 155.2
51 44.3 28.5 42.7#
86 53.9 49.4 74.2

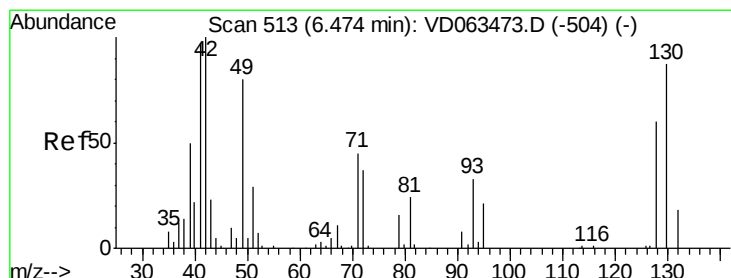
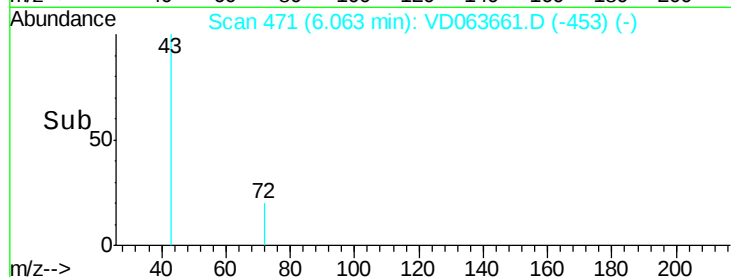
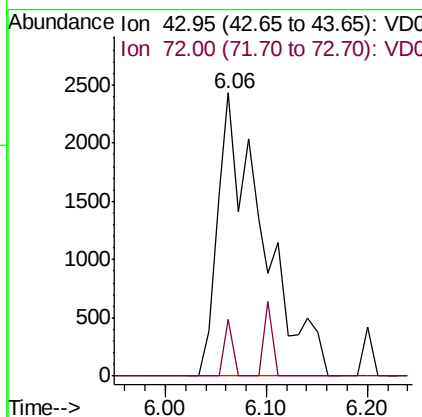
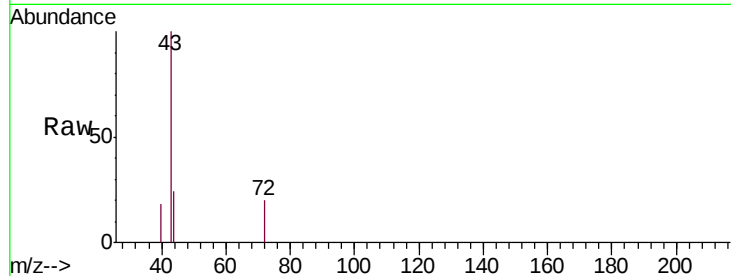




#25
 2-Butanone
 Concen: 3.806 ug/l
 RT: 6.06 min Scan# 471
 Delta R.T. -0.03 min
 Lab File: VD063661.D
 Acq: 19 Aug 2019 16:51

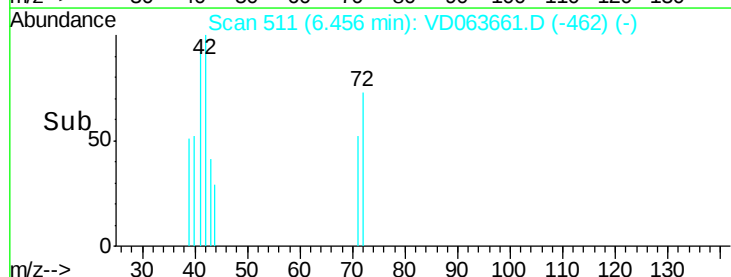
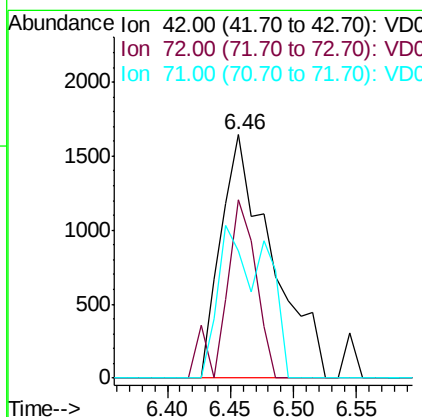
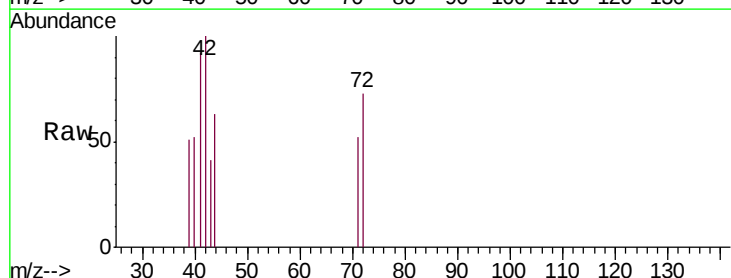
Instrument :
 MSVOA_D
 ClientSampleId :
 T8-D-(0)

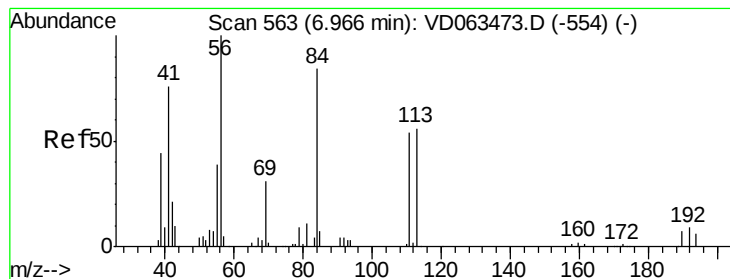
Tgt Ion: 43 Resp: 7555
 Ion Ratio Lower Upper
 43 100
 72 20.2 15.1 22.7



#29
 Tetrahydrofuran
 Concen: 4.954 ug/l
 RT: 6.46 min Scan# 511
 Delta R.T. -0.02 min
 Lab File: VD063661.D
 Acq: 19 Aug 2019 16:51

Tgt Ion: 42 Resp: 4582
 Ion Ratio Lower Upper
 42 100
 72 43.5 31.5 47.3
 71 58.4 33.8 50.8#





#31

Cyclohexane

Concen: 2.357 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.06 min

Lab File: VD063661.D

Acq: 19 Aug 2019 16:51

Instrument :

MSVOA_D

ClientSampleId :

T8-D-(0)

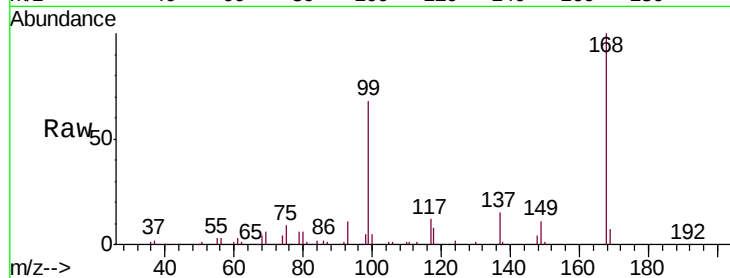
Tgt Ion: 56 Resp: 21044

Ion Ratio Lower Upper

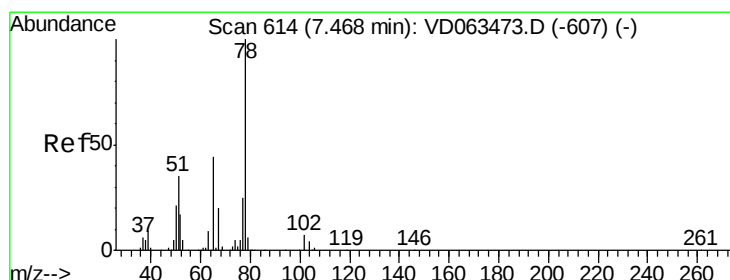
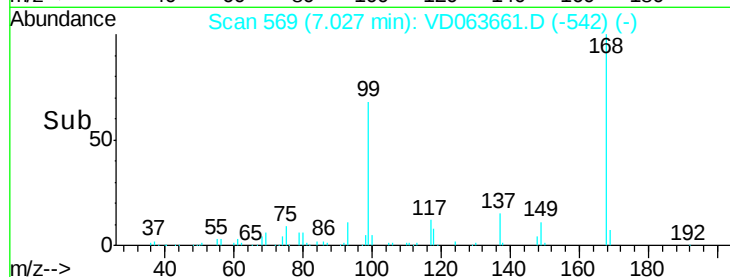
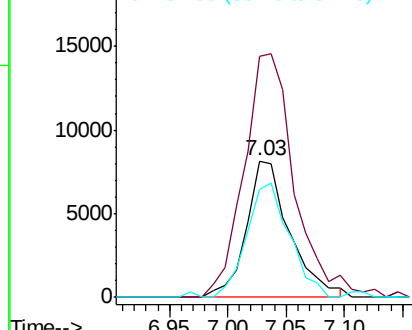
56 100

69 176.5 25.0 37.6#

84 78.8 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: 48.521 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063661.D

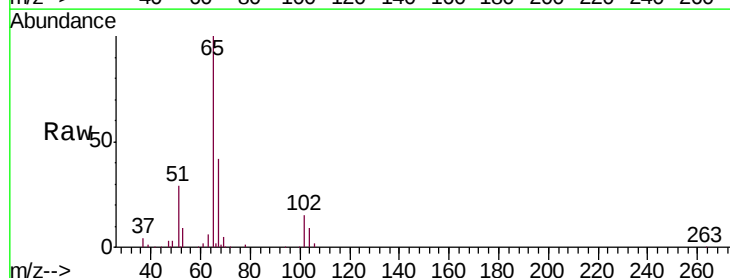
Acq: 19 Aug 2019 16:51

Tgt Ion: 65 Resp: 479750

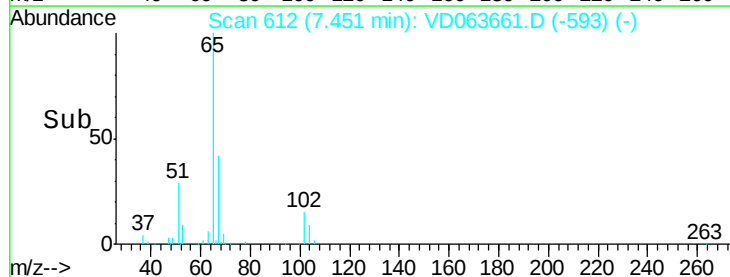
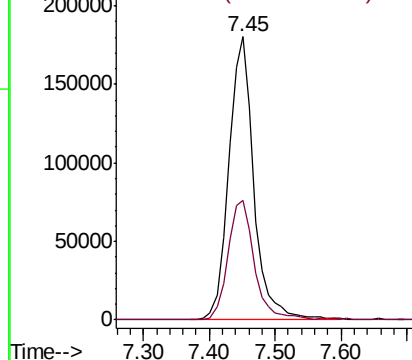
Ion Ratio Lower Upper

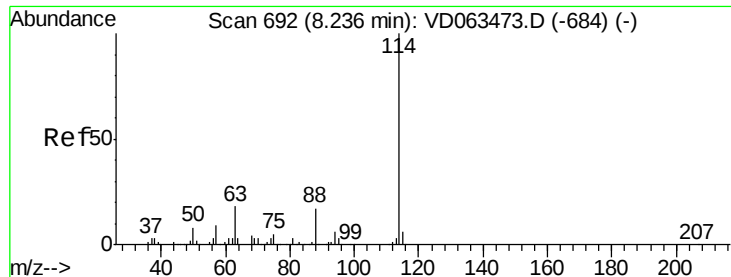
65 100

67 42.0 0.0 89.2



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: 8.21 min Scan# 689

Delta R.T. -0.03 min

Lab File: VD063661.D

Acq: 19 Aug 2019 16:51

Instrument :

MSVOA_D

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T8-D-(0)

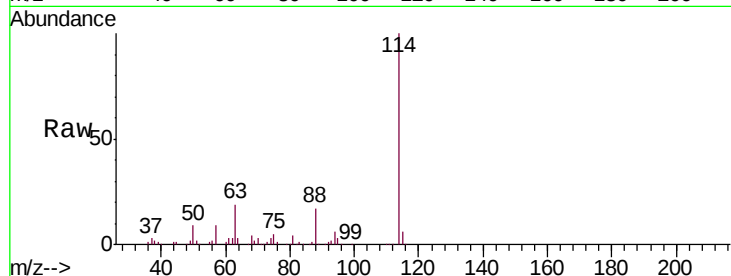
Tgt Ion:114 Resp: 1307186

Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.2

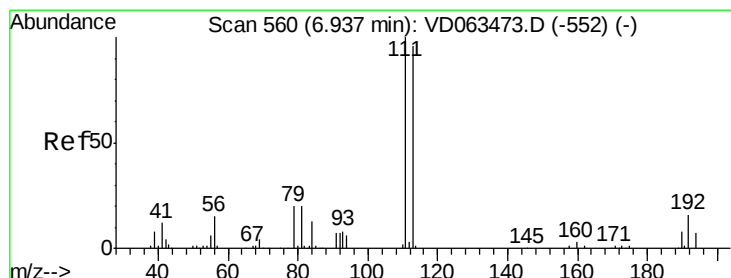
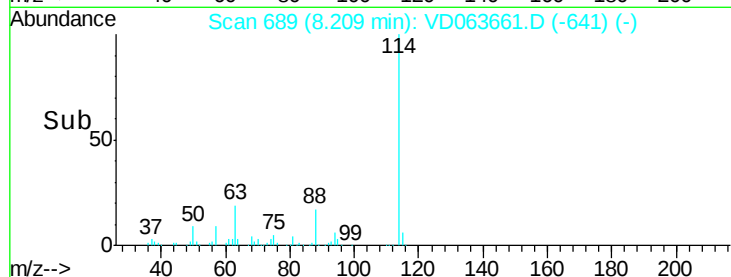
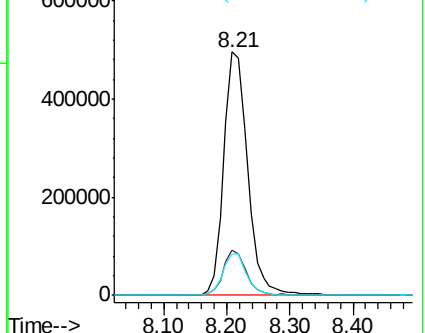
88 17.0 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 51.064 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063661.D

Acq: 19 Aug 2019 16:51

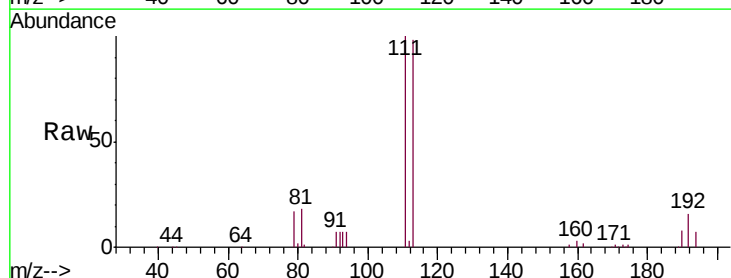
Tgt Ion:113 Resp: 562173

Ion Ratio Lower Upper

113 100

111 101.9 83.1 124.7

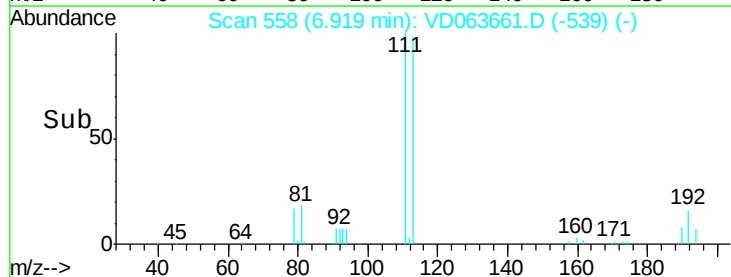
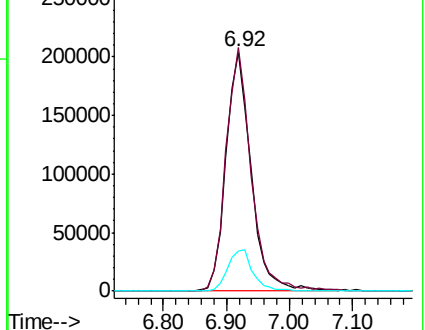
192 16.6 13.1 19.7

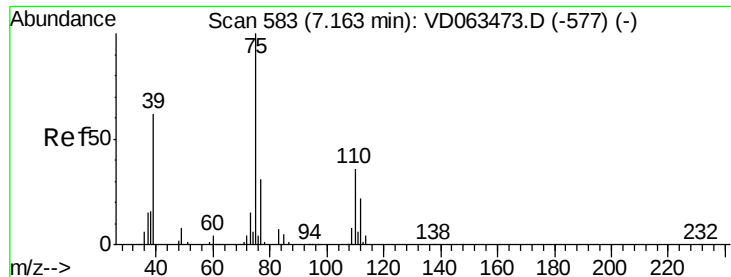


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

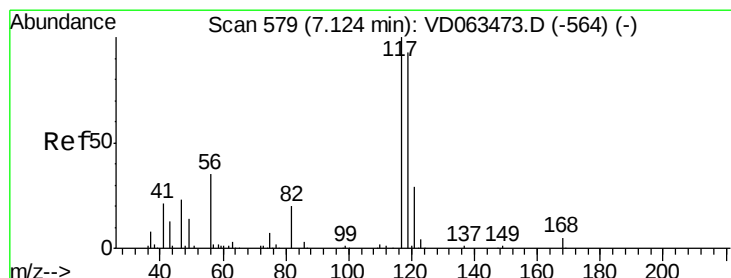
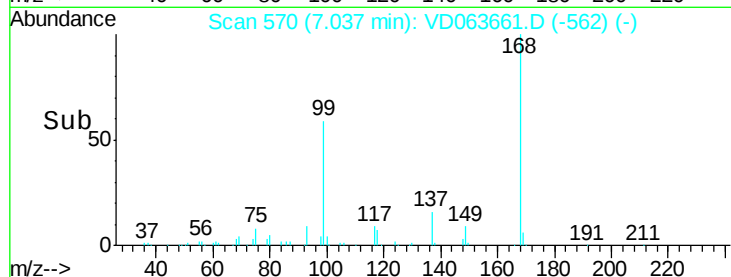
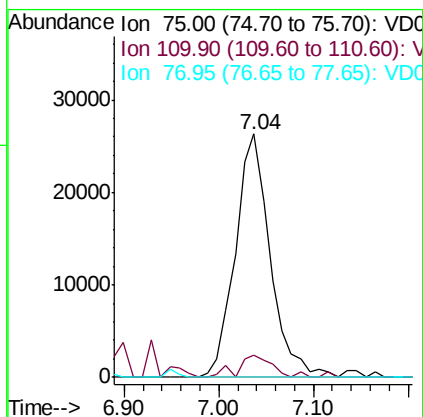
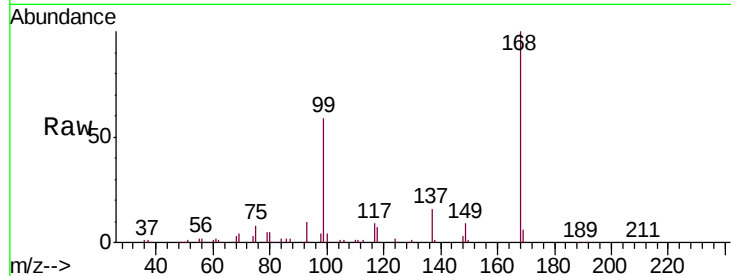




#36
 1,1-Dichloropropene
 Concen: 5.812 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.13 min
 Lab File: VD063661.D
 Acq: 19 Aug 2019 16:51

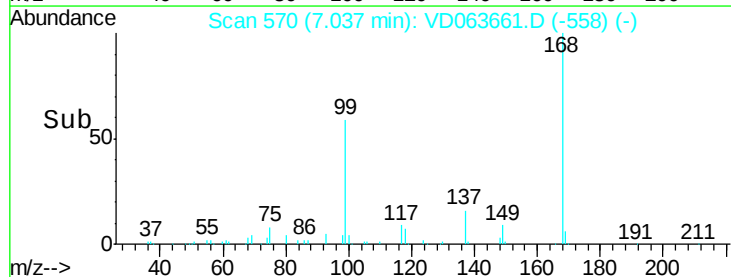
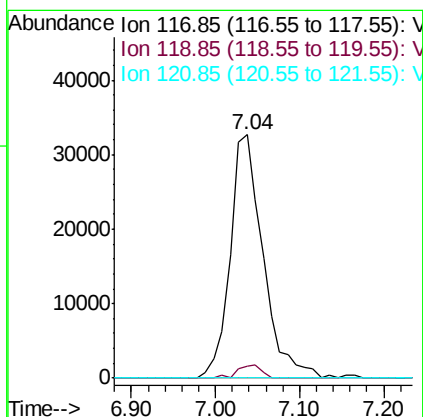
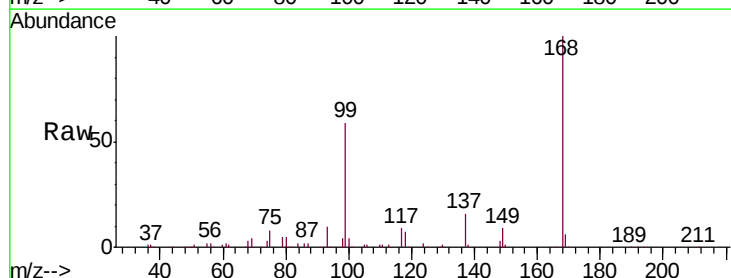
Instrument :
 MSVOA_D
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 T8-D-(0)

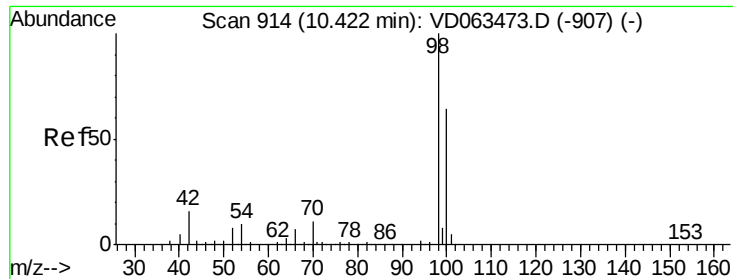
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.6	52.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.107 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD063661.D
 Acq: 19 Aug 2019 16:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	74.2	111.2#
121	0.0	23.1	34.7#

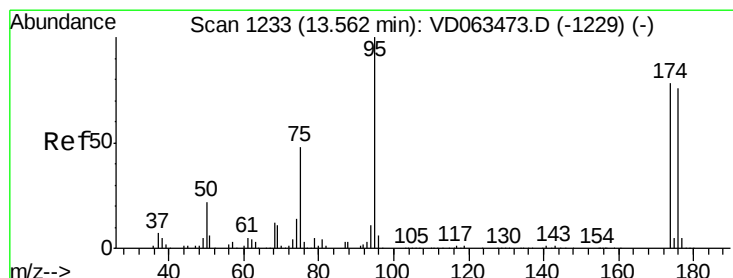
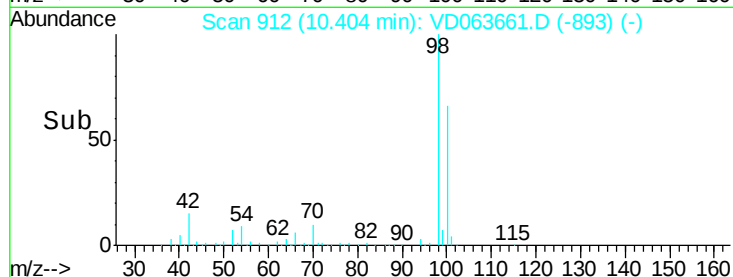
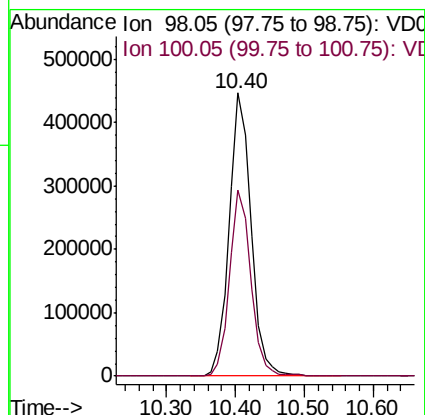
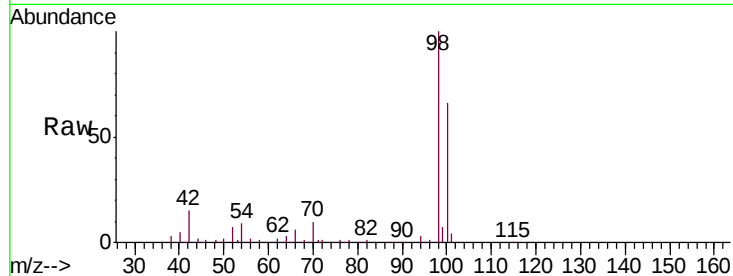




#50
Toluene-d8
Concen: 40.673 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063661.D
Acq: 19 Aug 2019 16:51

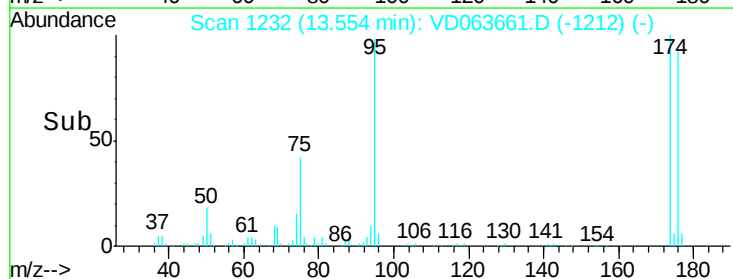
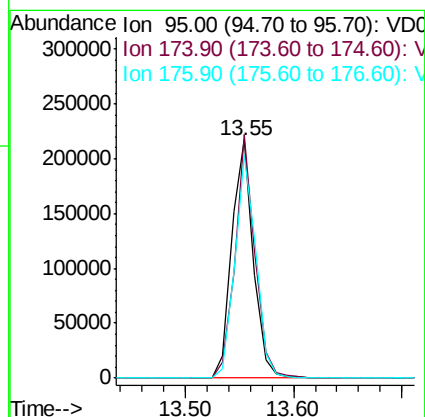
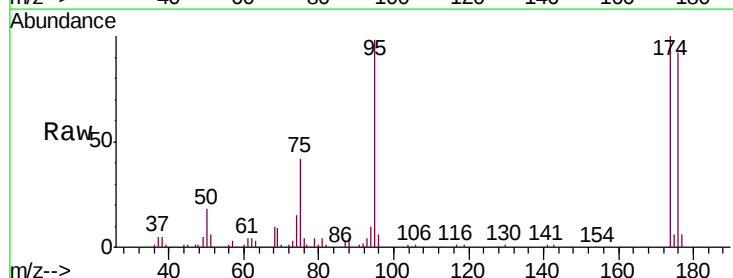
Instrument :
MSVOA_D
ClientSampleId :
T8-D-(0)

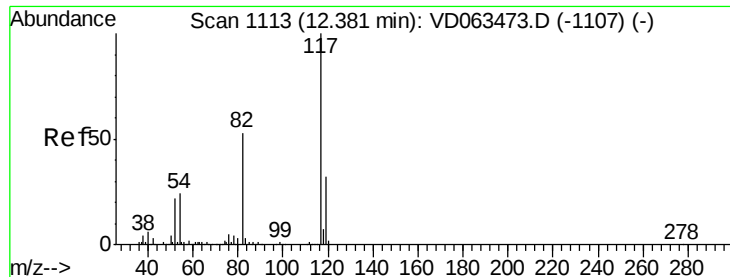
Tgt Ion: 98 Resp: 984459
Ion Ratio Lower Upper
98 100
100 65.8 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 27.387 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063661.D
Acq: 19 Aug 2019 16:51

Tgt Ion: 95 Resp: 300450
Ion Ratio Lower Upper
95 100
174 102.1 0.0 155.4
176 93.7 0.0 152.4

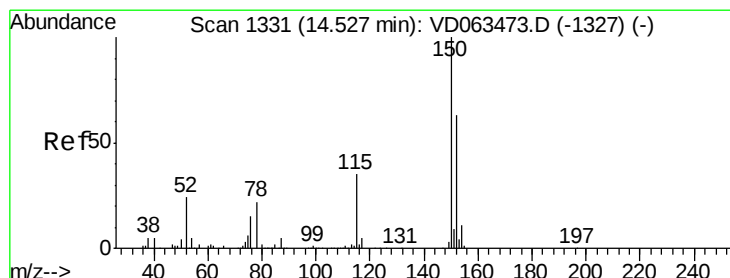
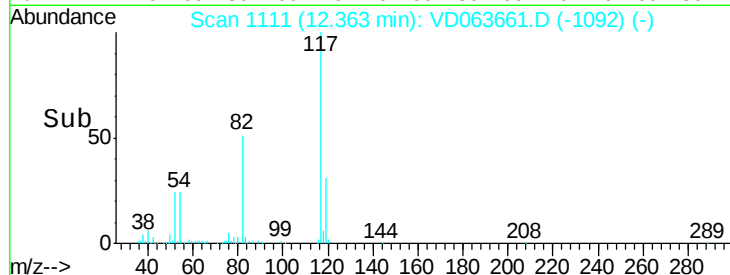
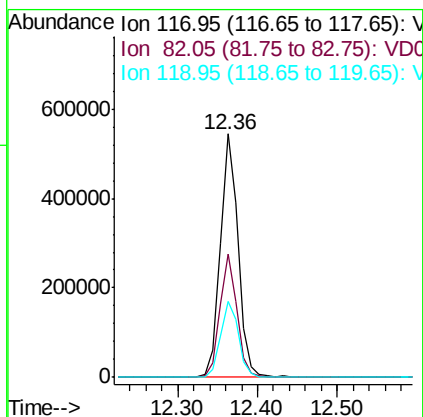
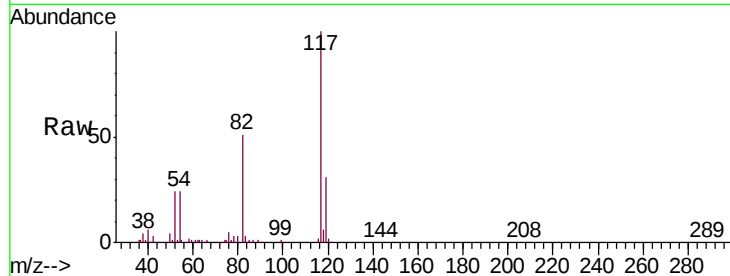




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063661.D
Acq: 19 Aug 2019 16:51

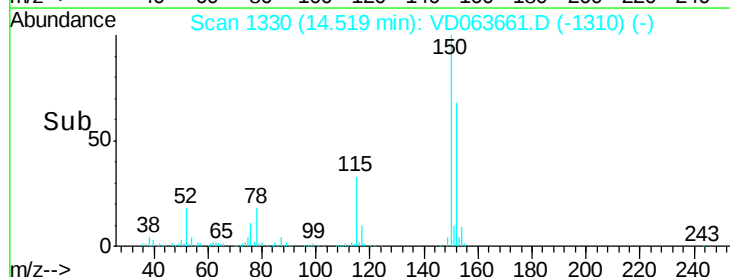
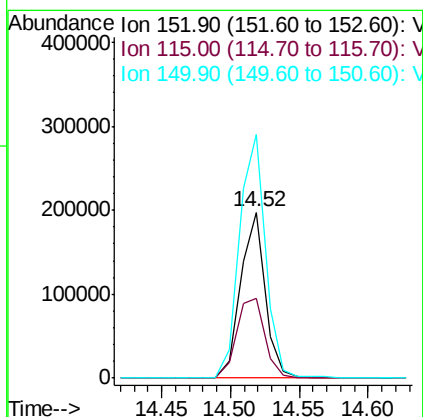
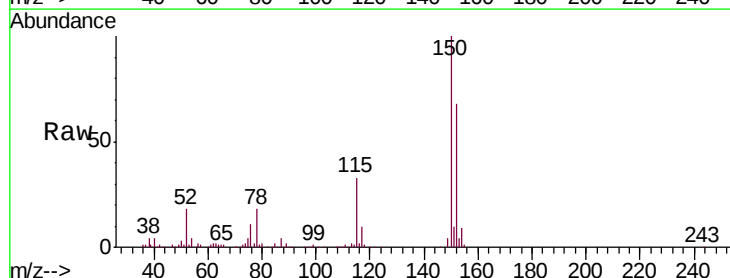
Instrument :
MSVOA_D
ClientSampleId :
T8-D-(0)

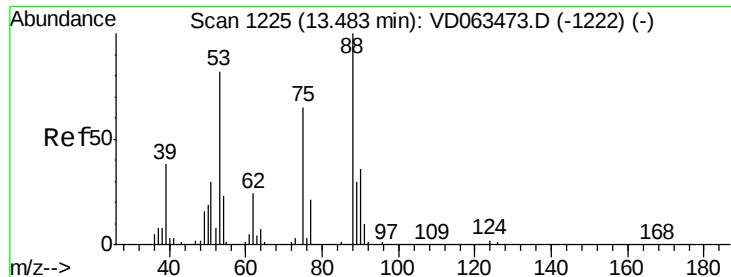
Tgt Ion:117 Resp: 858281
Ion Ratio Lower Upper
117 100
82 50.9 42.0 63.0
119 31.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063661.D
Acq: 19 Aug 2019 16:51

Tgt Ion:152 Resp: 246834
Ion Ratio Lower Upper
152 100
115 48.2 30.9 92.7
150 146.8 0.0 318.6





#81

trans-1,4-Dichloro-2-butene

Concen: 173.360 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063661.D

Acq: 19 Aug 2019 16:51

Instrument :

MSVOA_D

ClientSampleId :

T8-D-(0)

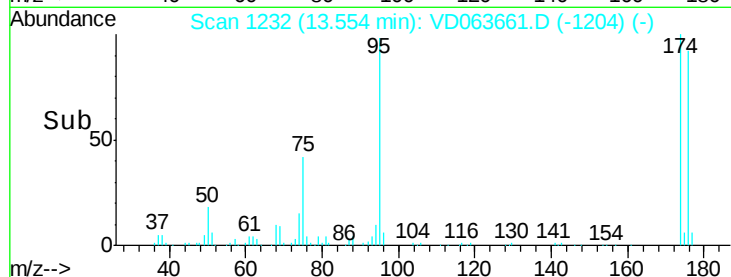
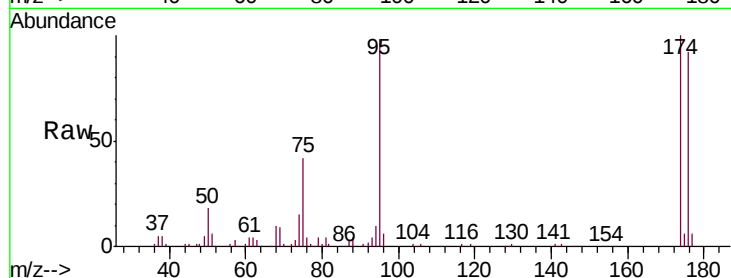
Tgt Ion: 75 Resp: 131995

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#



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

