

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082019\
 Data File : VD063679.D
 Acq On : 20 Aug 2019 12:43
 Operator : JC/SY
 Sample : K4385-11RE
 Misc : 6.41g/5ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T8-B-(0)RE

Quant Time: Aug 21 03:49:56 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	7.03	168	668796	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.21	114	966446	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	592976	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	139873	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	492415	68.88	ug/l	-0.04
Spiked Amount			Recovery	=	137.76%	
35) Dibromofluoromethane	6.91	113	495648	60.89	ug/l	-0.03
Spiked Amount			Recovery	=	121.78%	
50) Toluene-d8	10.39	98	749264	41.87	ug/l	-0.03
Spiked Amount			Recovery	=	83.74%	
62) 4-Bromofluorobenzene	13.54	95	233621	28.80	ug/l	-0.02
Spiked Amount			Recovery	=	57.60%	

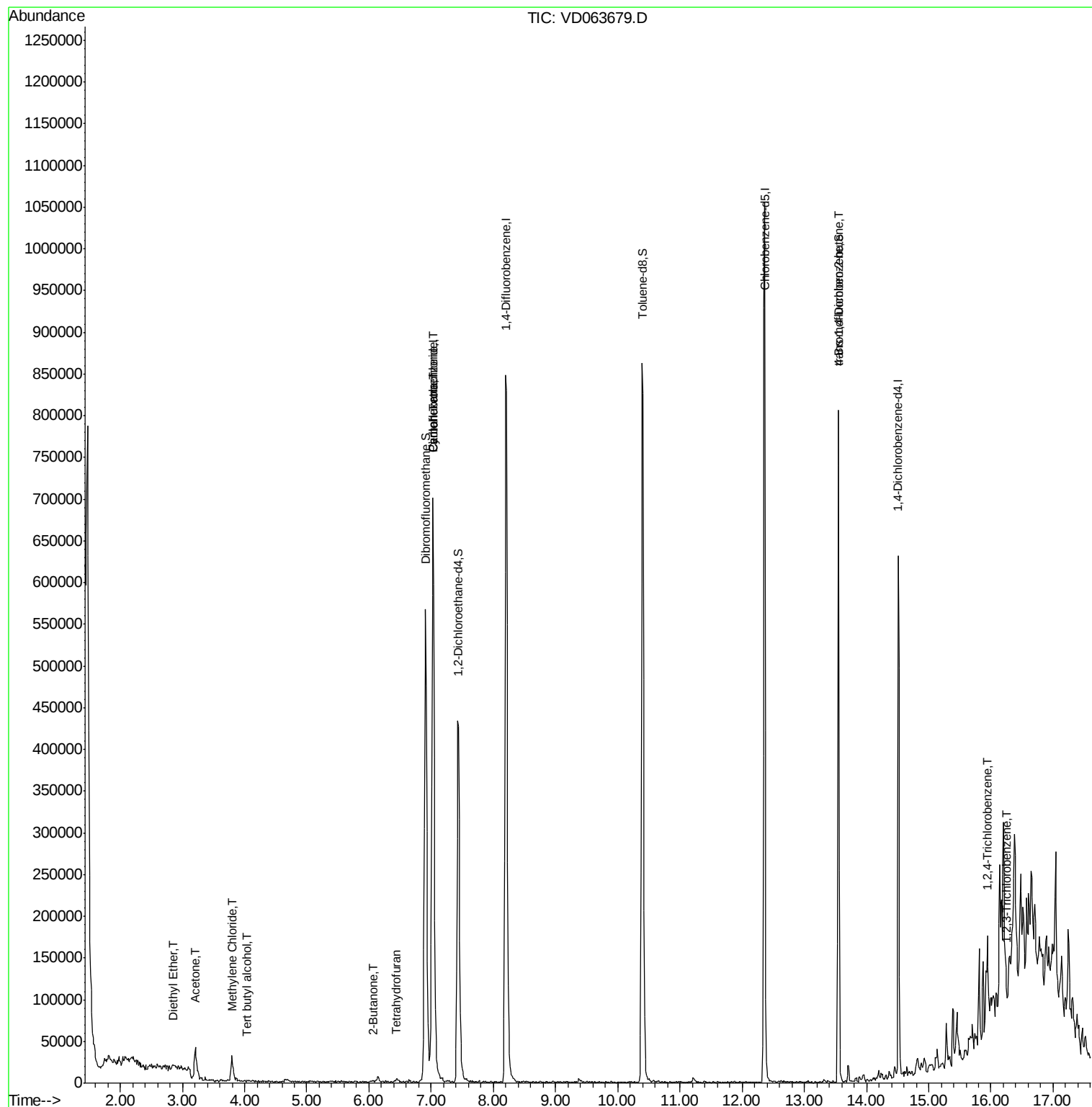
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.86	74	2560	1.473	ug/l	71
11) Tert butyl alcohol	4.04	59	1137	3.654	ug/l #	71
16) Acetone	3.21	43	69980	48.155	ug/l #	87
20) Methylene Chloride	3.80	84	18018	2.867	ug/l #	87
25) 2-Butanone	6.06	43	2632	1.834	ug/l #	58
29) Tetrahydrofuran	6.46	42	4005	5.988	ug/l #	57
31) Cyclohexane	7.03	56	15866	2.458	ug/l #	8
38) Carbon Tetrachloride	7.03	117	65185	5.062	ug/l #	18
81) trans-1,4-Dichloro-2-buten	13.55	75	110129	255.249	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.95	180	2867	1.044	ug/l #	47
96) 1,2,3-Trichlorobenzene	16.26	180	6539	2.949	ug/l #	51

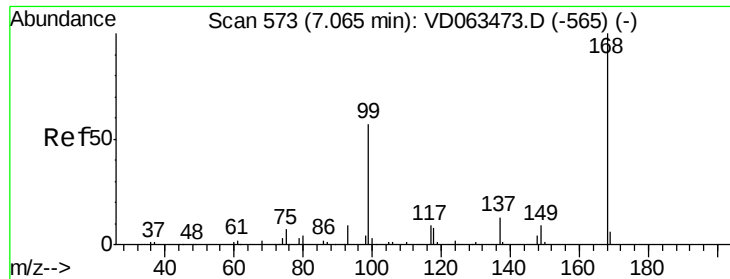
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082019\
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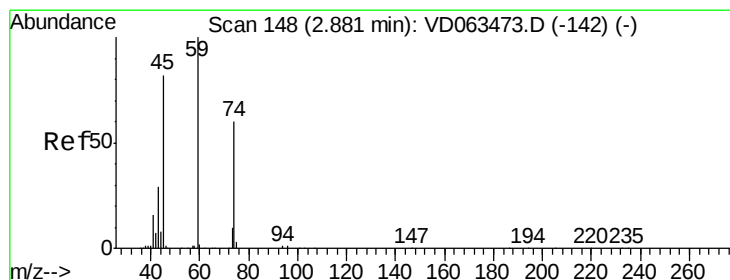
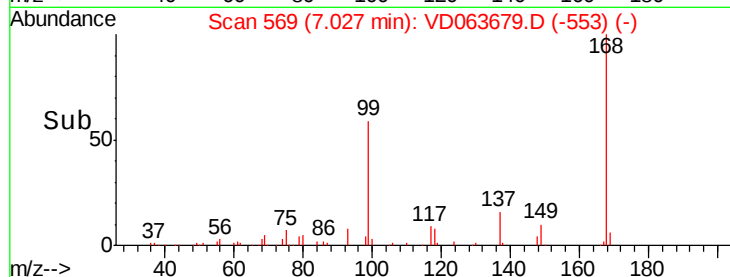
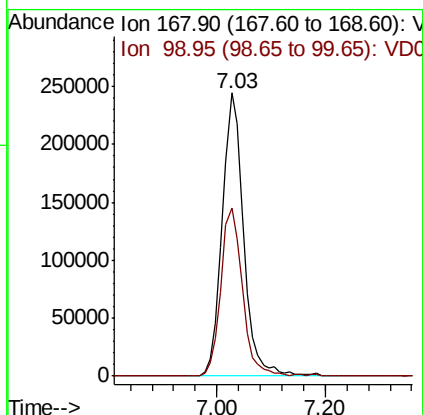
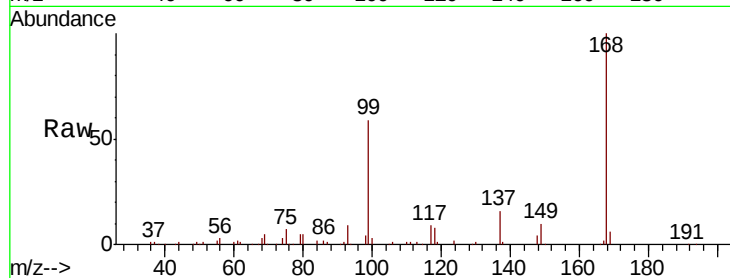




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.04 min
Lab File: VD063679.D
Acq: 20 Aug 2019 12:43

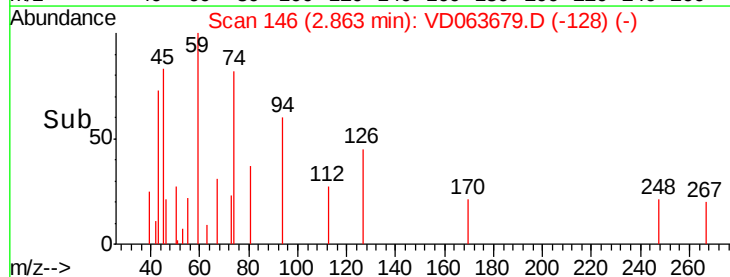
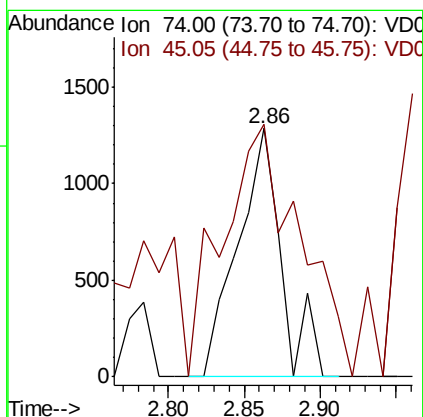
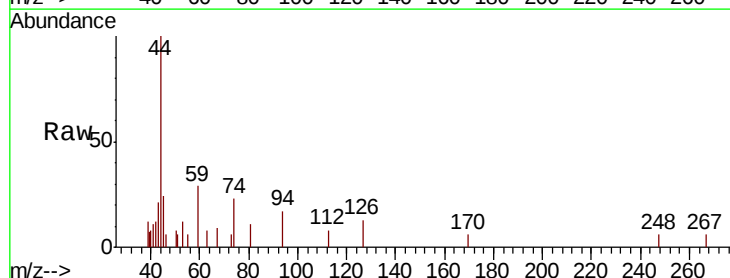
Instrument :
MSVOA_D
ClientSampleId :
T8-B-(0)RE

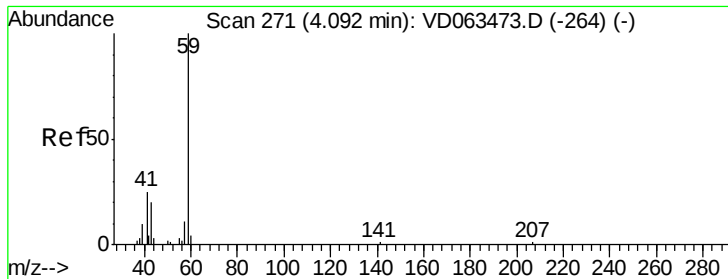
Tgt Ion:168 Resp: 668796
Ion Ratio Lower Upper
168 100
99 59.4 46.7 70.1



#8
Diethyl Ether
Concen: 1.473 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.02 min
Lab File: VD063679.D
Acq: 20 Aug 2019 12:43

Tgt Ion: 74 Resp: 2560
Ion Ratio Lower Upper
74 100
45 102.0 68.5 205.5

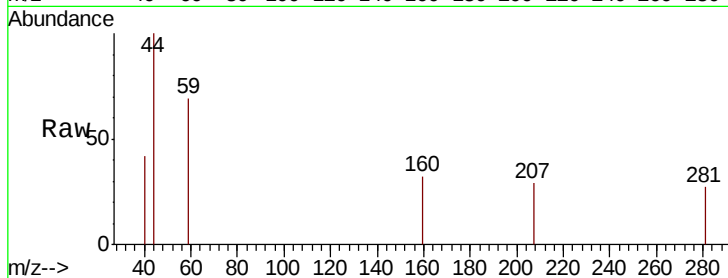




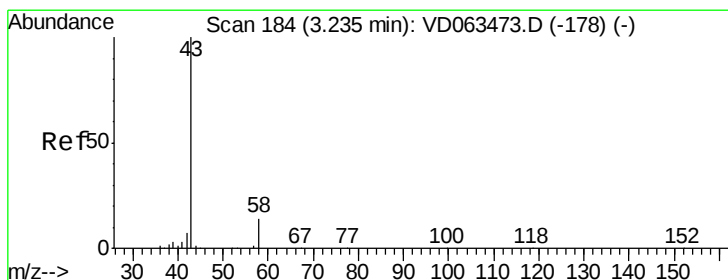
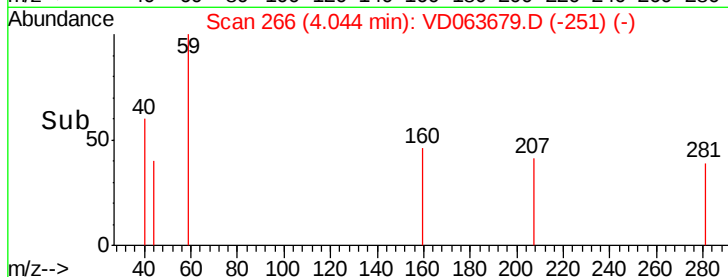
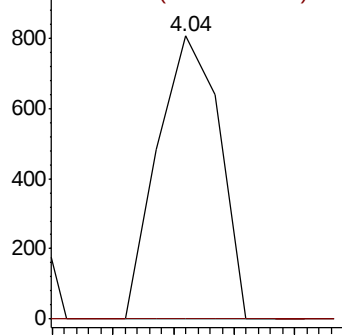
#11
Tert butyl alcohol
Concen: 3.654 ug/l
RT: 4.04 min Scan# 266
Delta R.T. -0.05 min
Lab File: VD063679.D
Acq: 20 Aug 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
T8-B-(0)RE

Tgt Ion: 59 Resp: 1137
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

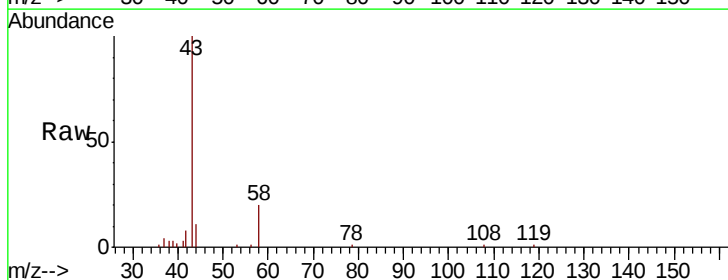


Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC

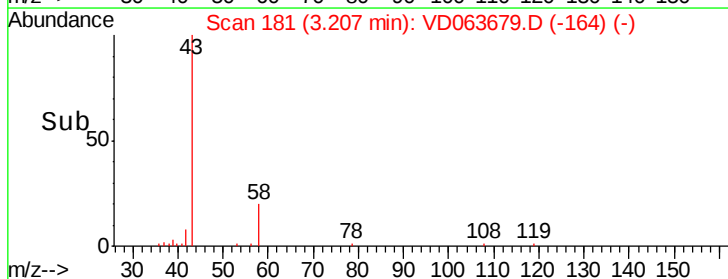
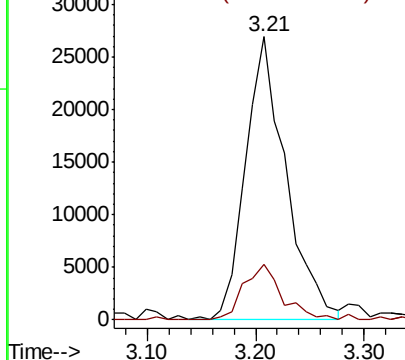


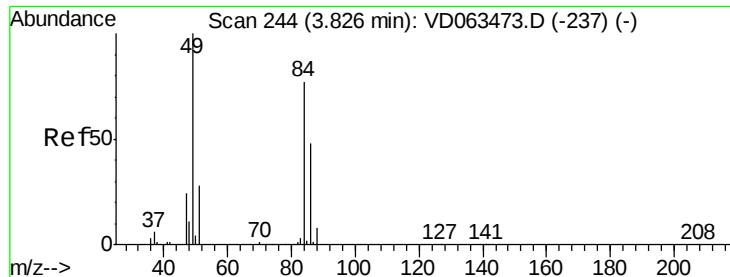
#16
Acetone
Concen: 48.155 ug/l
RT: 3.21 min Scan# 181
Delta R.T. -0.03 min
Lab File: VD063679.D
Acq: 20 Aug 2019 12:43

Tgt Ion: 43 Resp: 69980
Ion Ratio Lower Upper
43 100
58 19.6 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 2.867 ug/l

RT: 3.80 min Scan# 241

Delta R.T. -0.03 min

Lab File: VD063679.D

Acq: 20 Aug 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

T8-B-(0)RE

Tgt Ion: 84 Resp: 18018

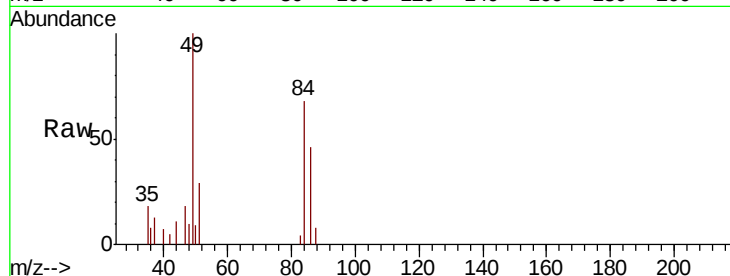
Ion Ratio Lower Upper

84 100

49 147.2 103.4 155.2

51 43.3 28.5 42.7#

86 67.4 49.4 74.2

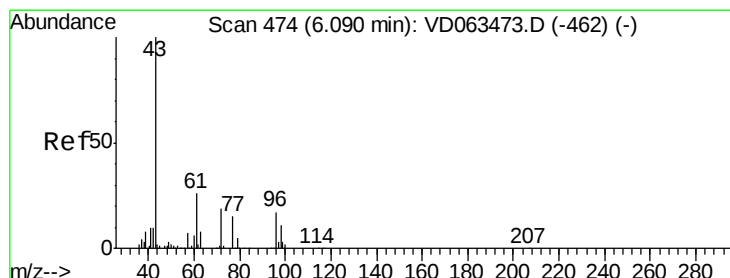
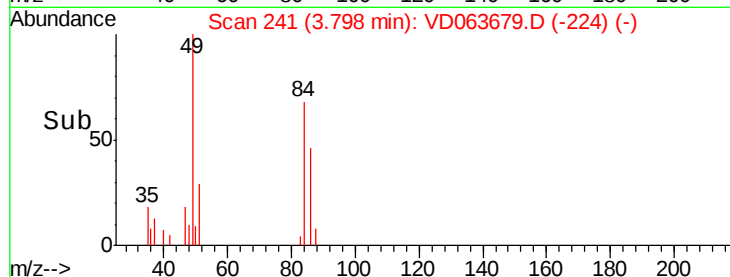
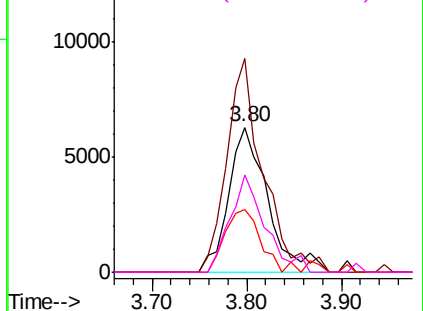


Abundance Ion 83.95 (83.65 to 84.65): VDC

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



#25

2-Butanone

Concen: 1.834 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.03 min

Lab File: VD063679.D

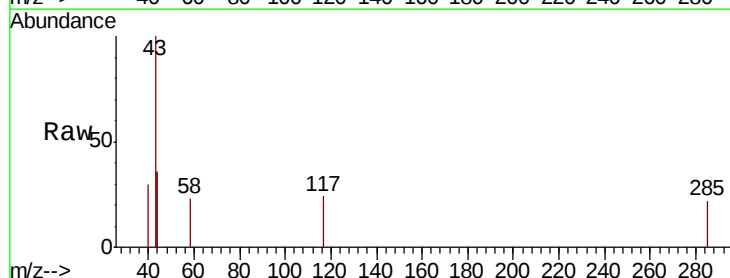
Acq: 20 Aug 2019 12:43

Tgt Ion: 43 Resp: 2632

Ion Ratio Lower Upper

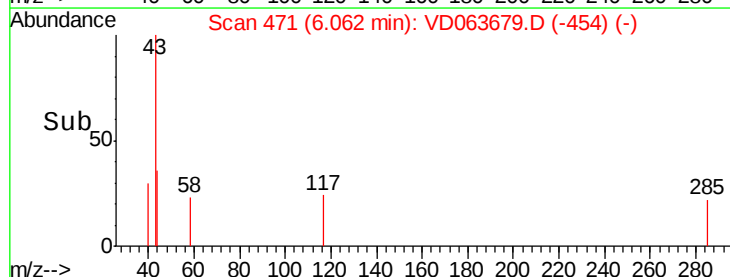
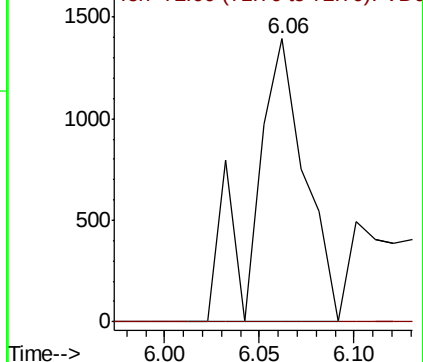
43 100

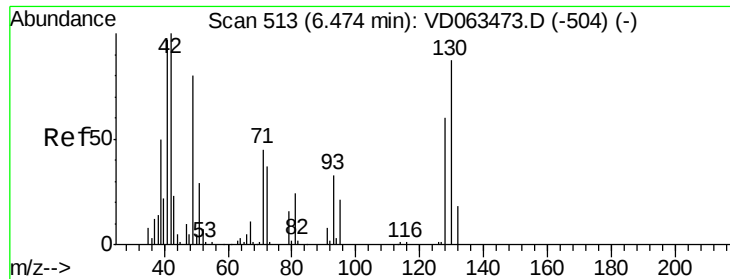
72 0.0 15.1 22.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

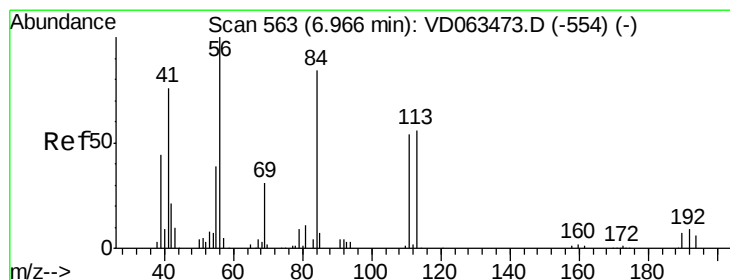
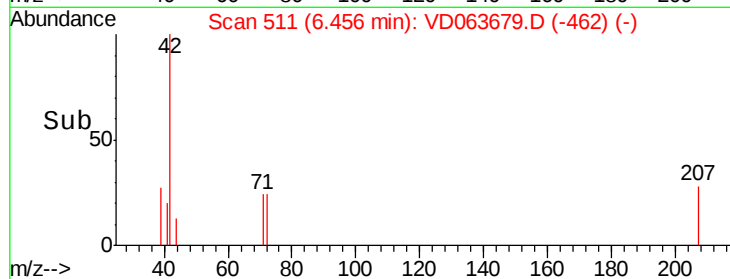
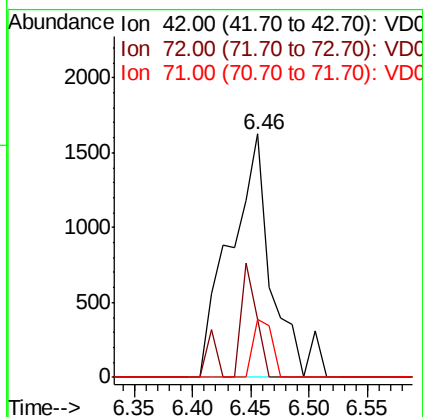
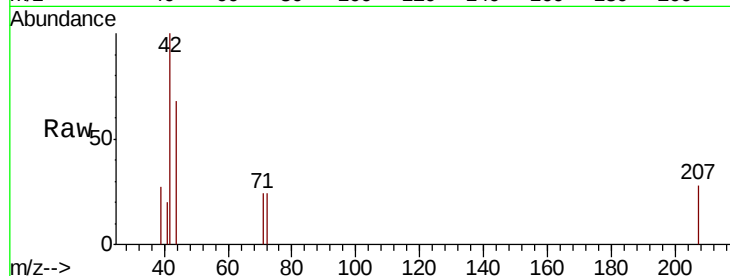




#29
Tetrahydrofuran
Concen: 5.988 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.02 min
Lab File: VD063679.D
Acq: 20 Aug 2019 12:43

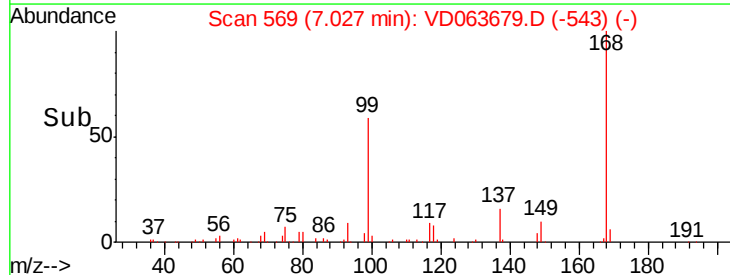
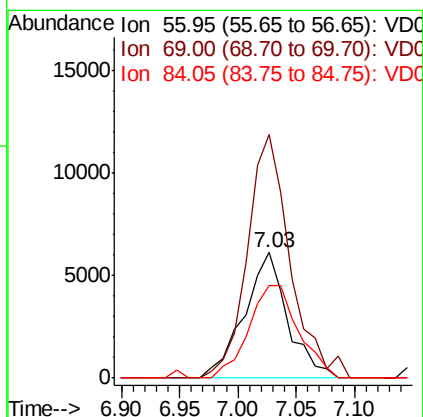
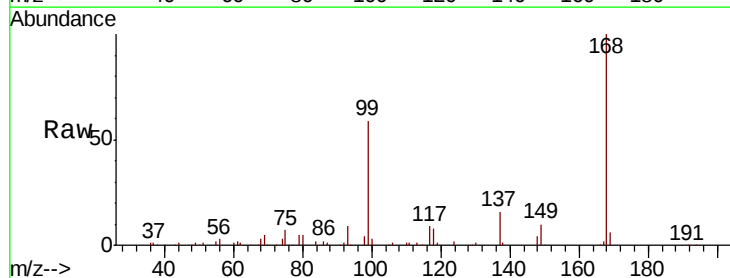
Instrument :
MSVOA_D
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T8-B-(0)RE

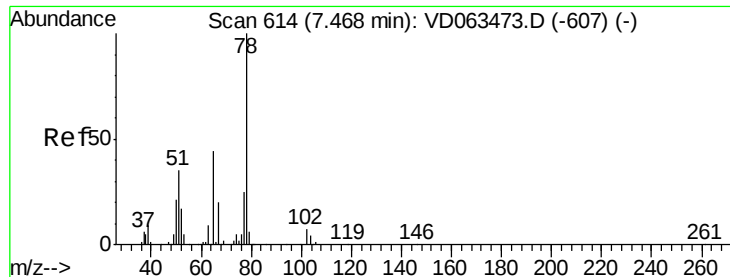
Tgt Ion: 42 Resp: 4005
Ion Ratio Lower Upper
42 100
72 17.0 31.5 47.3#
71 10.8 33.8 50.8#



#31
Cyclohexane
Concen: 2.458 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.06 min
Lab File: VD063679.D
Acq: 20 Aug 2019 12:43

Tgt Ion: 56 Resp: 15866
Ion Ratio Lower Upper
56 100
69 202.5 25.0 37.6#
84 74.1 69.7 104.5

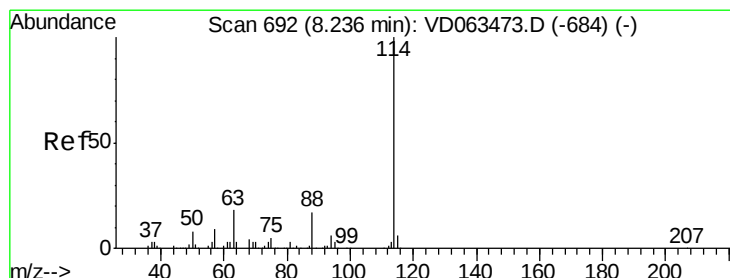
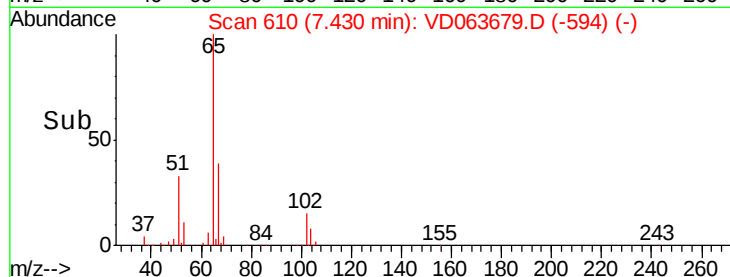
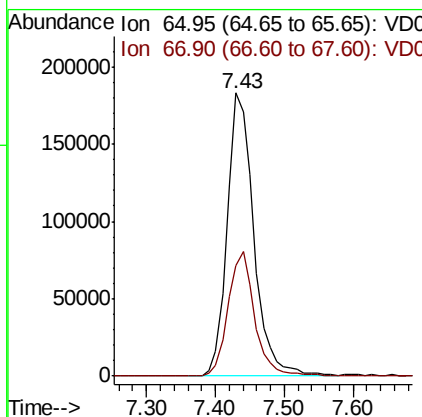
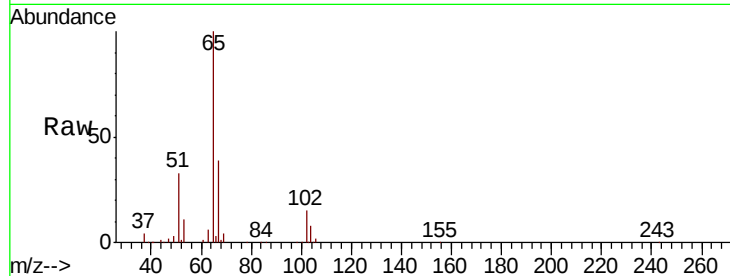




#33
 1,2-Dichloroethane-d4
 Concen: 68.880 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.04 min
 Lab File: VD063679.D
 Acq: 20 Aug 2019 12:43

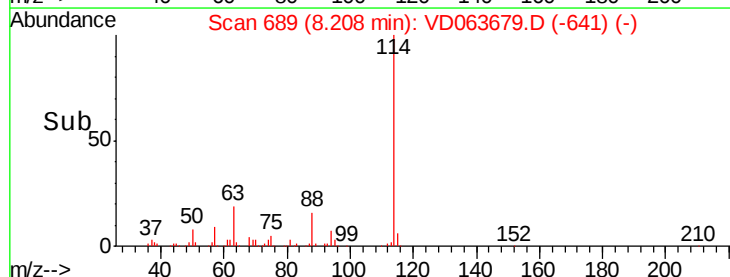
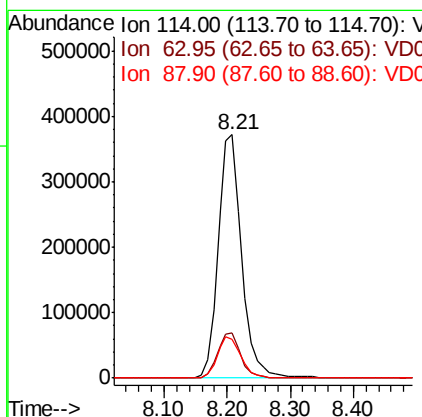
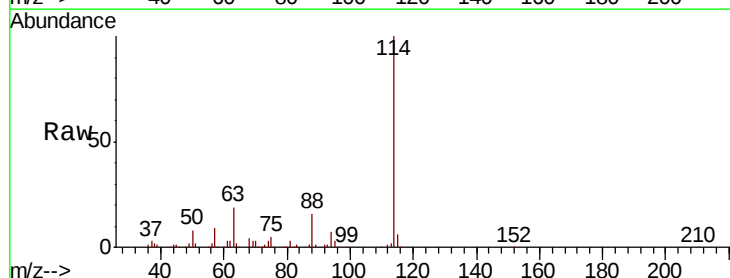
Instrument :
 MSVOA_D
 ClientSampleId :
 T8-B-(0)RE

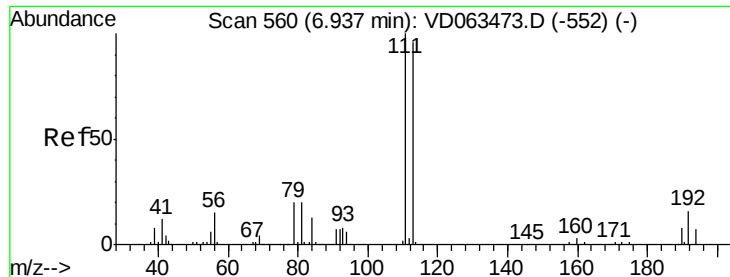
Tgt Ion: 65 Resp: 492415
 Ion Ratio Lower Upper
 65 100
 67 39.3 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063679.D
 Acq: 20 Aug 2019 12:43

Tgt Ion: 114 Resp: 966446
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.2
 88 16.0 0.0 35.0





#35

Dibromofluoromethane

Concen: 60.894 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063679.D

Acq: 20 Aug 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

T8-B-(0)RE

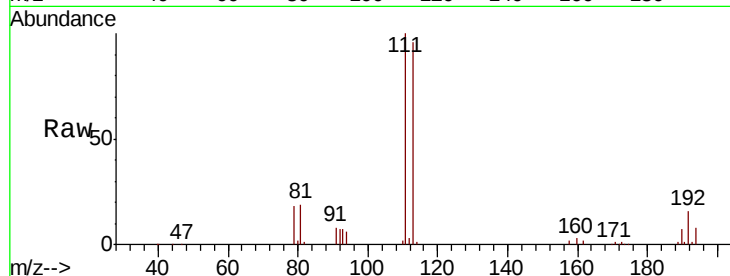
Tgt Ion:113 Resp: 495648

Ion Ratio Lower Upper

113 100

111 104.6 83.1 124.7

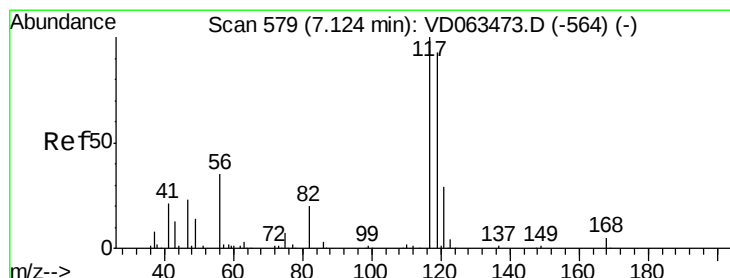
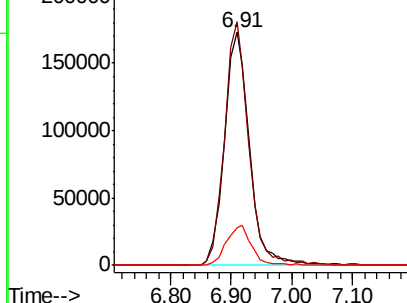
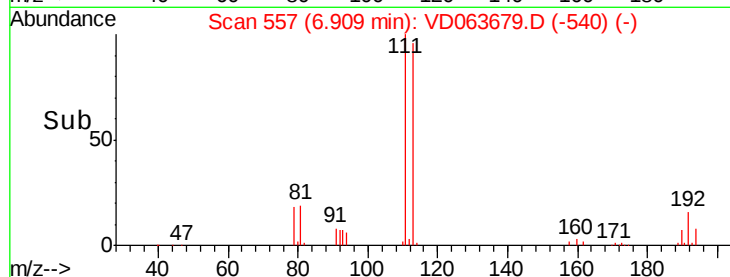
192 16.2 13.1 19.7



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



#38

Carbon Tetrachloride

Concen: 5.062 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD063679.D

Acq: 20 Aug 2019 12:43

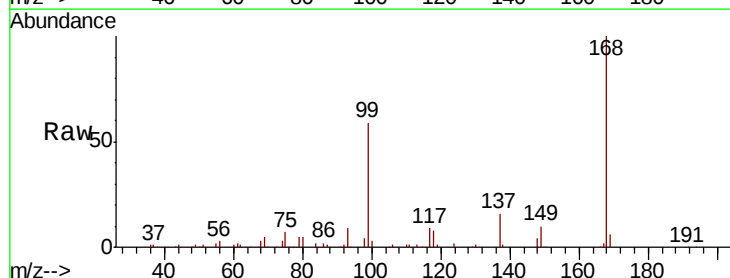
Tgt Ion:117 Resp: 65185

Ion Ratio Lower Upper

117 100

119 6.0 74.2 111.2#

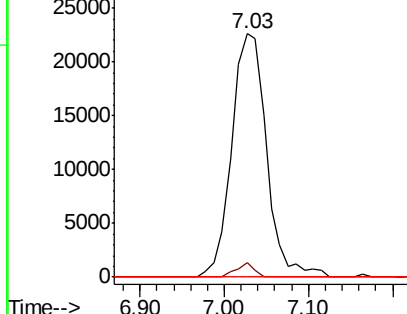
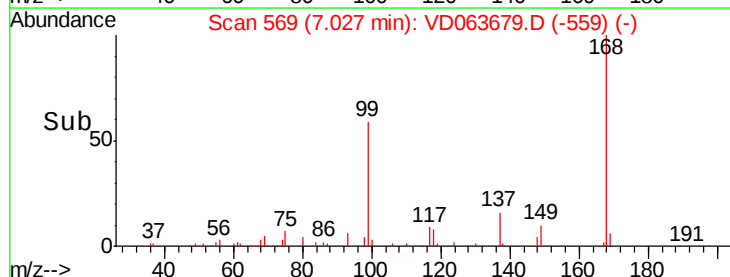
121 0.0 23.1 34.7#

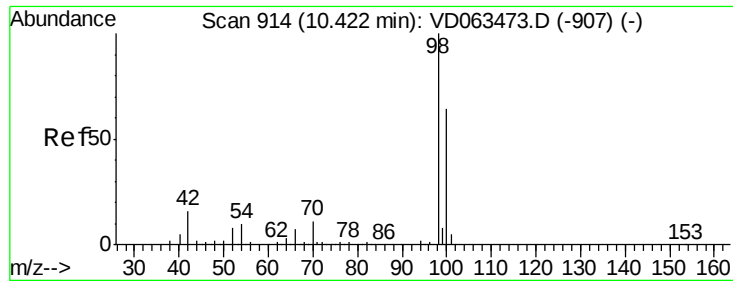


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

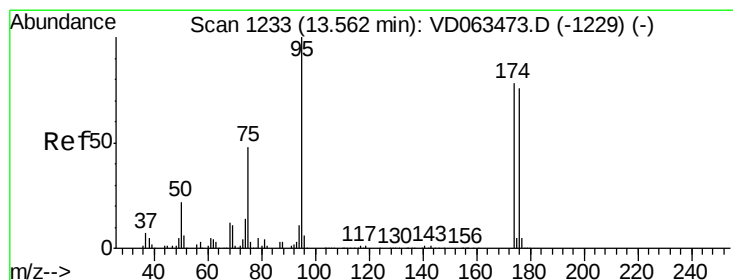
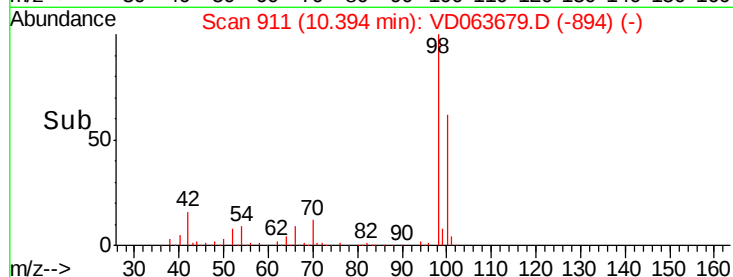
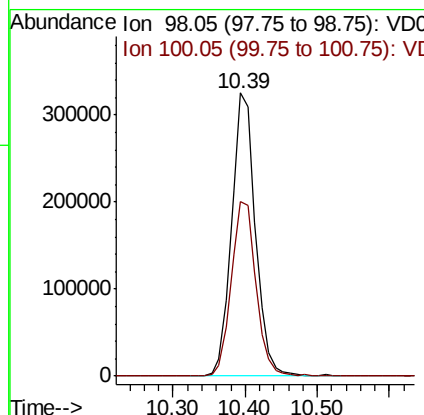
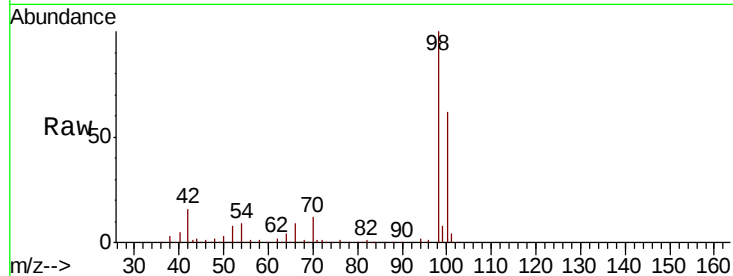




#50
Toluene-d8
Concen: 41.870 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.03 min
Lab File: VD063679.D
Acq: 20 Aug 2019 12:43

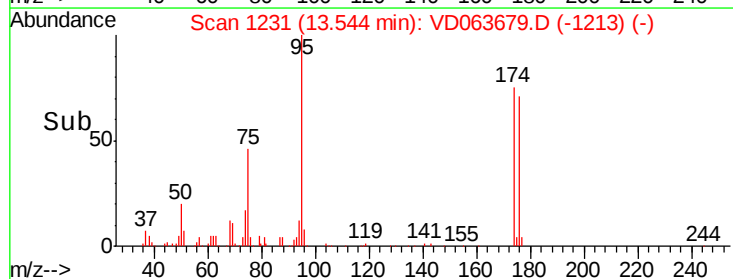
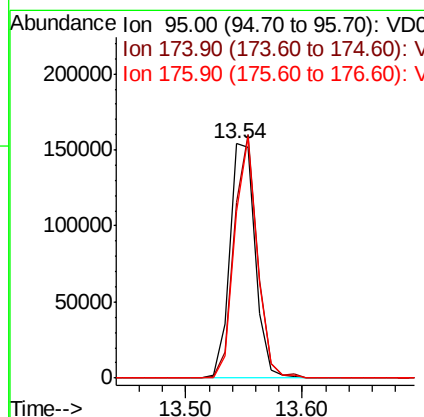
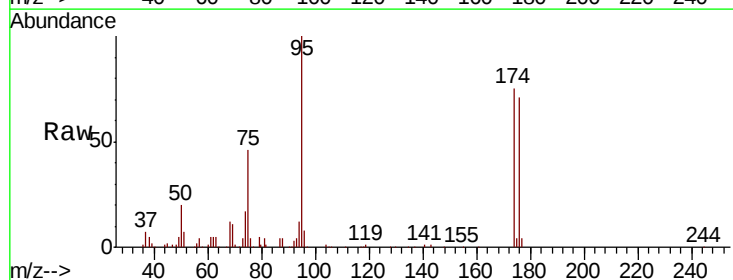
Instrument :
MSVOA_D
ClientSampleId :
T8-B-(0)RE

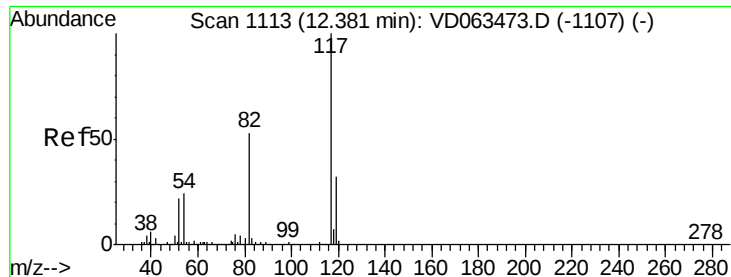
Tgt Ion: 98 Resp: 749264
Ion Ratio Lower Upper
98 100
100 61.6 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 28.804 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD063679.D
Acq: 20 Aug 2019 12:43

Tgt Ion: 95 Resp: 233621
Ion Ratio Lower Upper
95 100
174 75.1 0.0 155.4
176 71.0 0.0 152.4

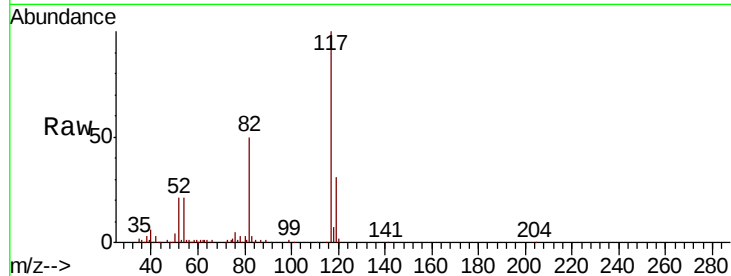




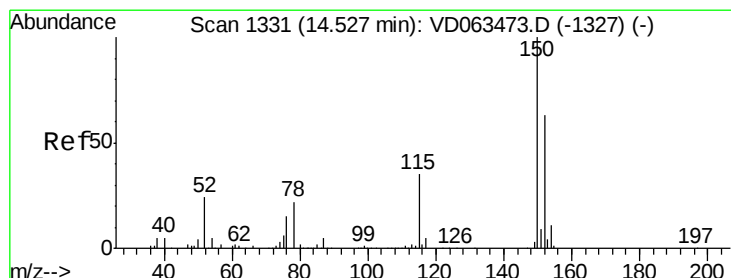
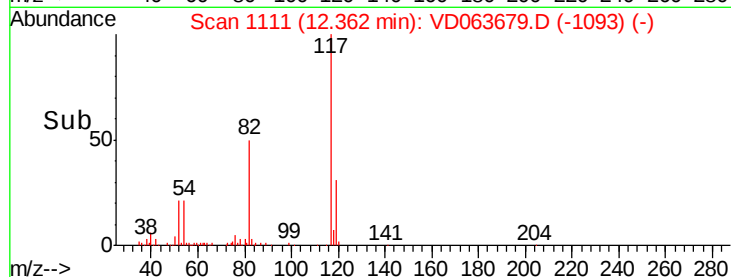
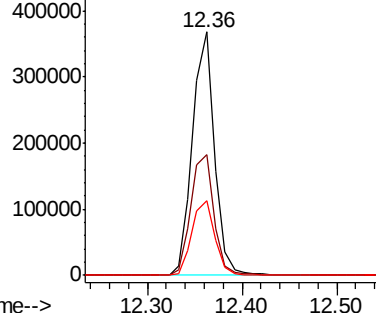
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063679.D
Acq: 20 Aug 2019 12:43

Instrument :
MSVOA_D
ClientSampleId :
T8-B-(0)RE

Tgt Ion:117 Resp: 592976
Ion Ratio Lower Upper
117 100
82 49.7 42.0 63.0
119 30.9 25.4 38.0

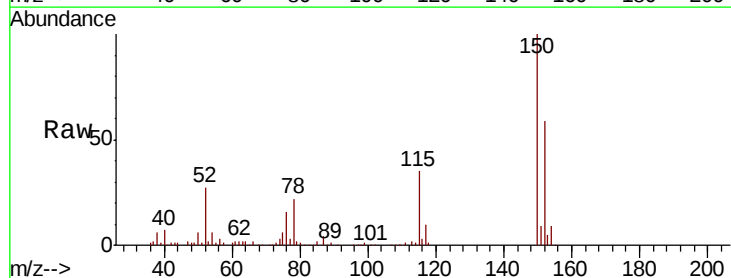


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

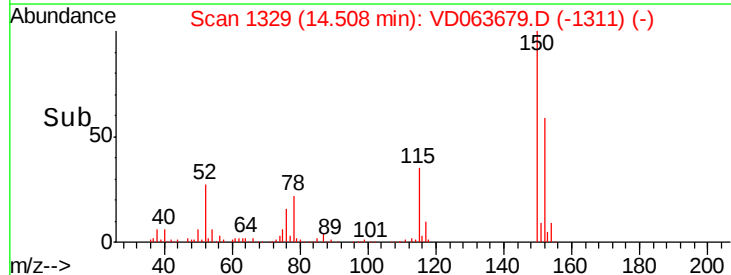
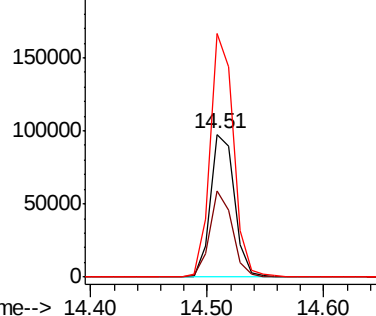


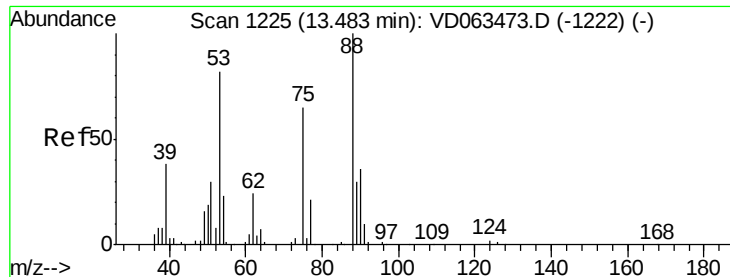
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VD063679.D
Acq: 20 Aug 2019 12:43

Tgt Ion:152 Resp: 139873
Ion Ratio Lower Upper
152 100
115 60.3 30.9 92.7
150 170.4 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: 255.249 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063679.D

Acq: 20 Aug 2019 12:43

Instrument :

MSVOA_D

ClientSampleId :

T8-B-(0)RE

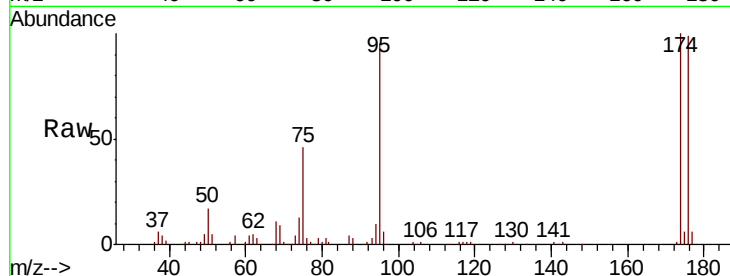
Tgt Ion: 75 Resp: 110129

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

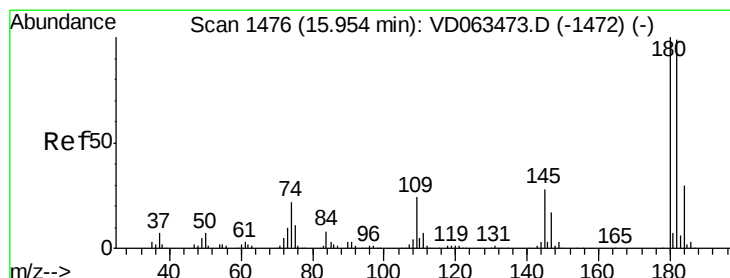
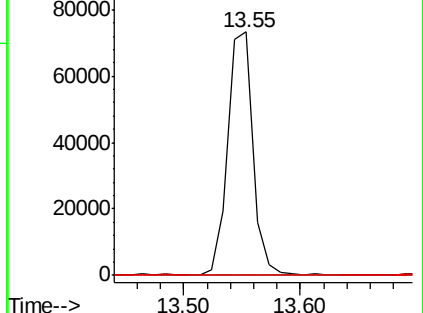
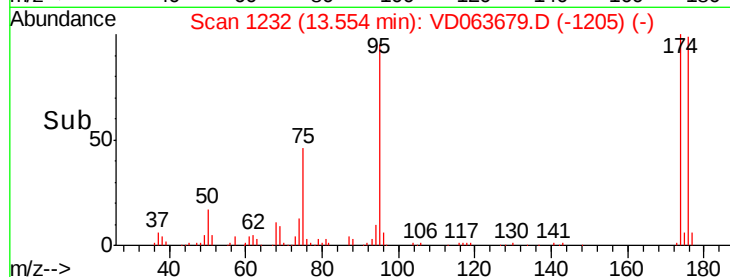
89 0.0 37.0 55.6#



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



#93

1,2,4-Trichlorobenzene

Concen: 1.044 ug/l

RT: 15.95 min Scan# 1475

Delta R.T. -0.01 min

Lab File: VD063679.D

Acq: 20 Aug 2019 12:43

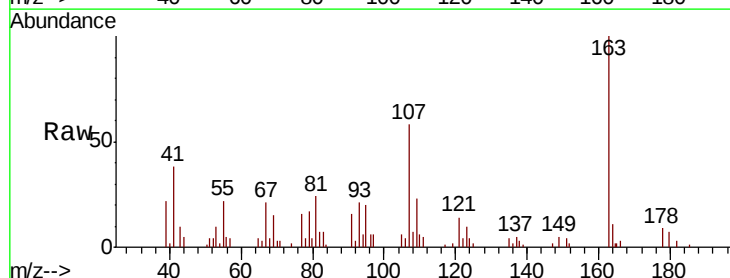
Tgt Ion: 180 Resp: 2867

Ion Ratio Lower Upper

180 100

182 46.2 49.7 149.1#

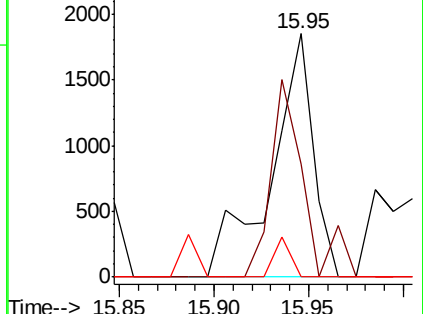
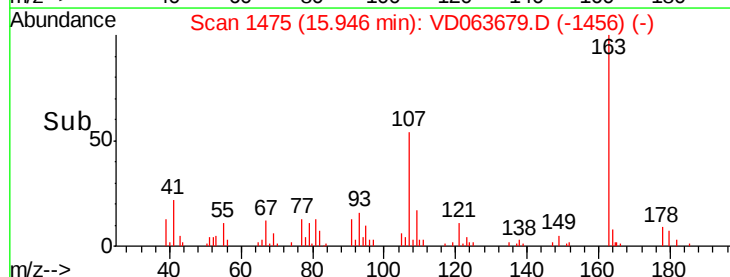
145 0.0 14.1 42.2#

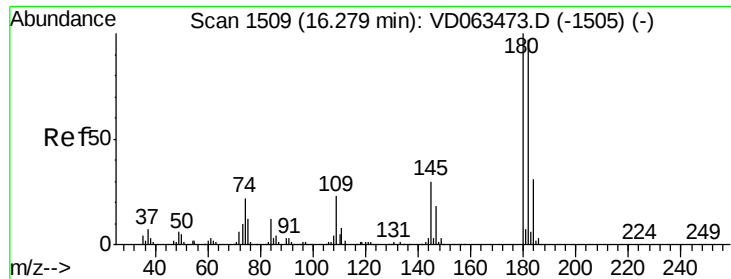


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.949 ug/l
 RT: 16.26 min Scan# 1507
 Delta R.T. -0.02 min
 Lab File: VD063679.D
 Acq: 20 Aug 2019 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 T8-B-(0)RE

Tgt Ion	Ratio	Lower	Upper
180	100		
182	51.0	48.4	145.2
145	0.0	14.9	44.9#

