

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081919\
 Data File : VD063655.D
 Acq On : 19 Aug 2019 14:08
 Operator : JC/SY
 Sample : K4389-02
 Misc : 5.72g/5ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-E2(2)

Quant Time: Aug 20 08:14:24 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	1165298	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	1578057	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1284005	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	469768	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	601818	48.31	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.62%	
35) Dibromofluoromethane	6.92	113	681416	51.27	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.54%	
50) Toluene-d8	10.40	98	1369455	46.87	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.74%	
62) 4-Bromofluorobenzene	13.55	95	506293	38.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.46%	

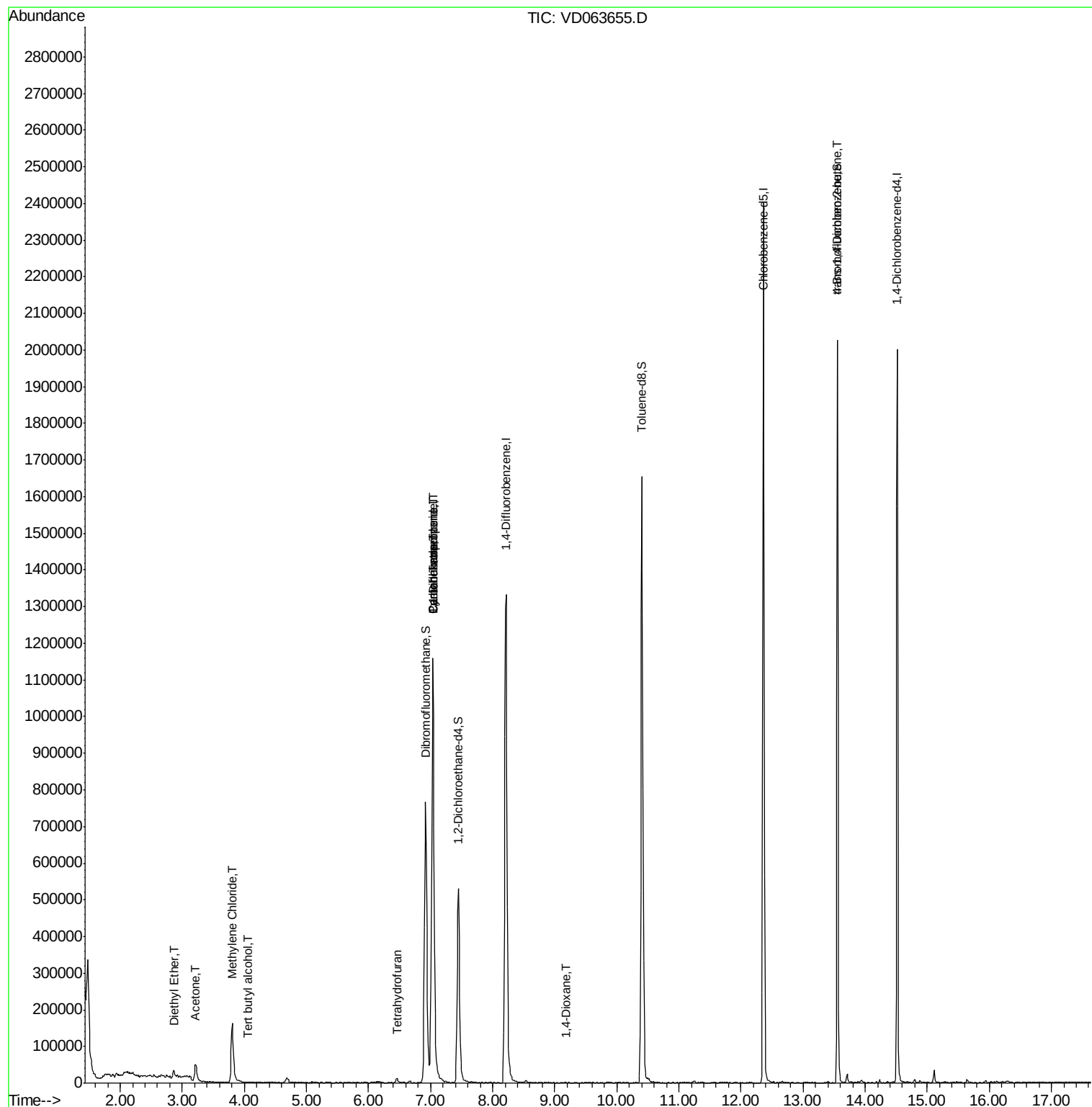
Target Compounds						Qvalue
8) Diethyl Ether	2.86	74	6579	2.173	ug/l	76
11) Tert butyl alcohol	4.06	59	1499	2.764	ug/l #	71
16) Acetone	3.22	43	101246	39.985	ug/l	99
20) Methylene Chloride	3.81	84	96308	8.796	ug/l	95
29) Tetrahydrofuran	6.45	42	8182	7.021	ug/l	93
31) Cyclohexane	7.03	56	24348	2.165	ug/l #	18
36) 1,1-Dichloropropene	7.04	75	85634	6.138	ug/l #	48
38) Carbon Tetrachloride	7.04	117	109339	5.200	ug/l #	16
49) 1,4-Dioxane	9.19	88	216	29.183	ug/l #	34
81) trans-1,4-Dichloro-2-buten	13.55	75	236358	163.111	ug/l #	1

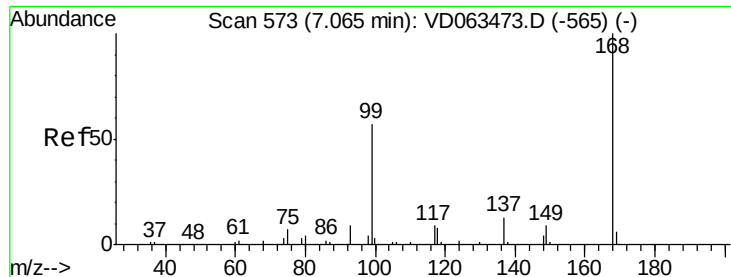
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD063655.D

Acq: 19 Aug 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

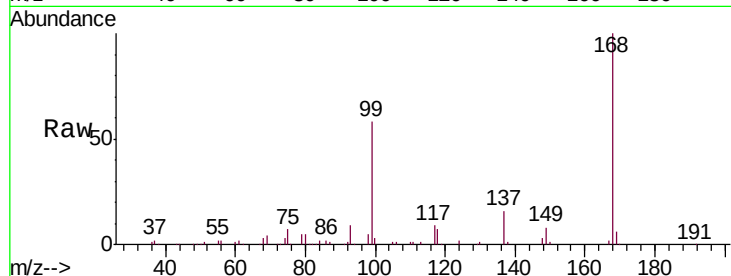
T6-E2(2)

Tgt Ion:168 Resp: 1165298

Ion Ratio Lower Upper

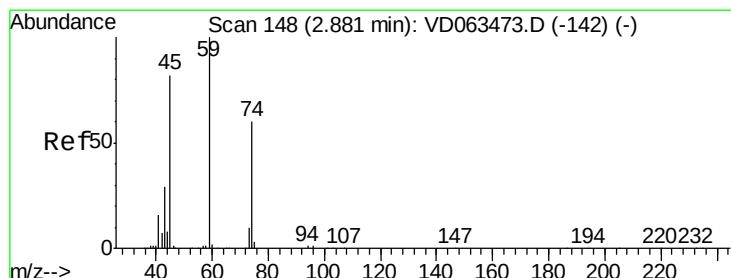
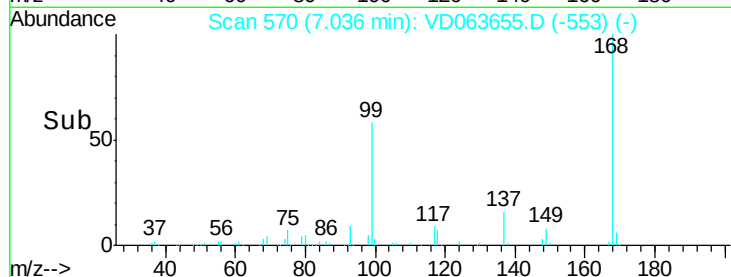
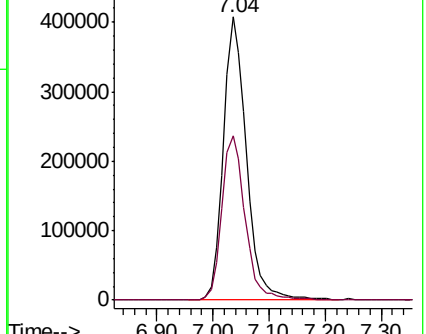
168 100

99 58.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 2.173 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD063655.D

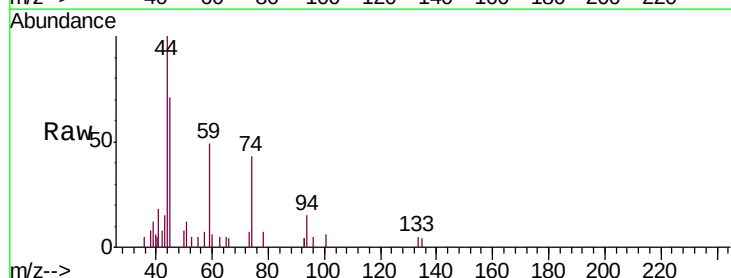
Acq: 19 Aug 2019 14:08

Tgt Ion: 74 Resp: 6579

Ion Ratio Lower Upper

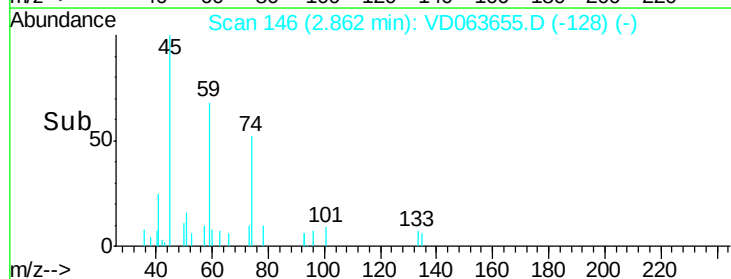
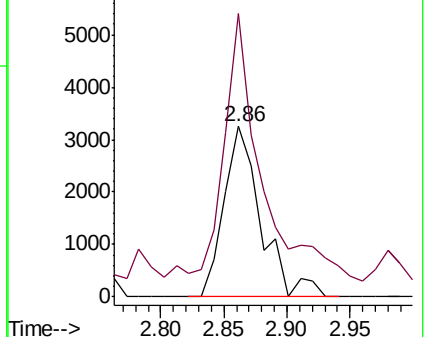
74 100

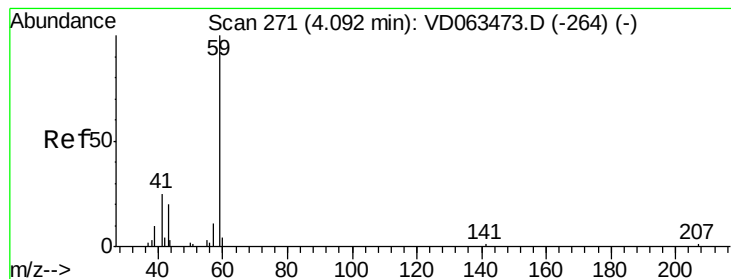
45 165.9 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#11

Tert butyl alcohol

Concen: 2.764 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.03 min

Lab File: VD063655.D

Acq: 19 Aug 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

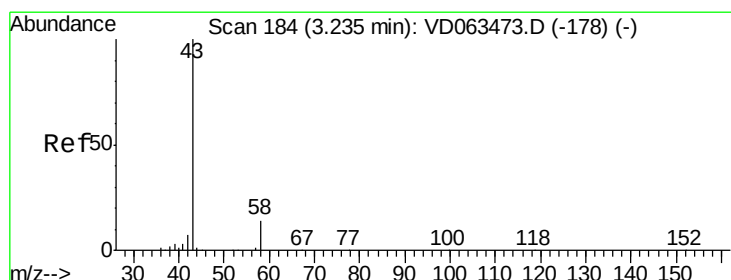
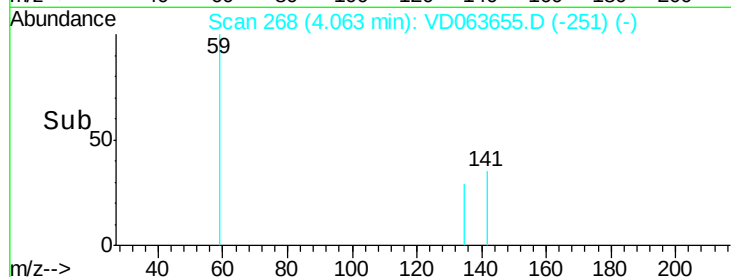
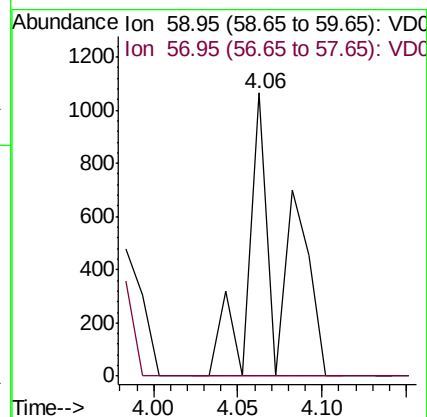
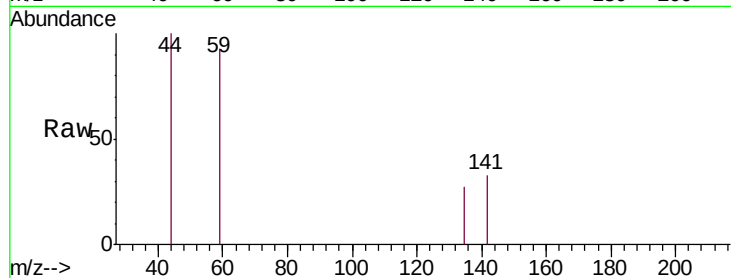
T6-E2(2)

Tgt Ion: 59 Resp: 1499

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#16

Acetone

Concen: 39.985 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063655.D

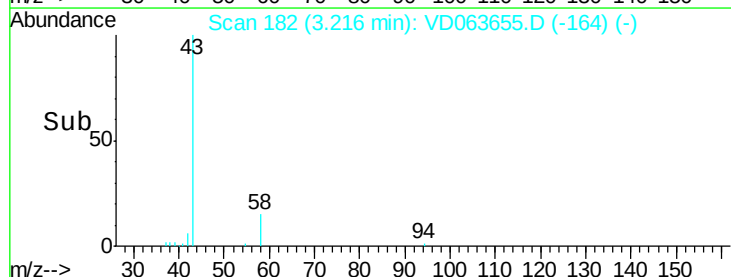
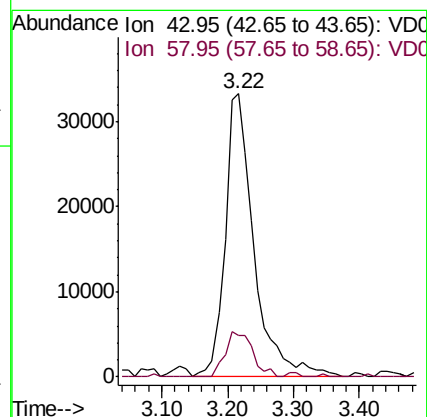
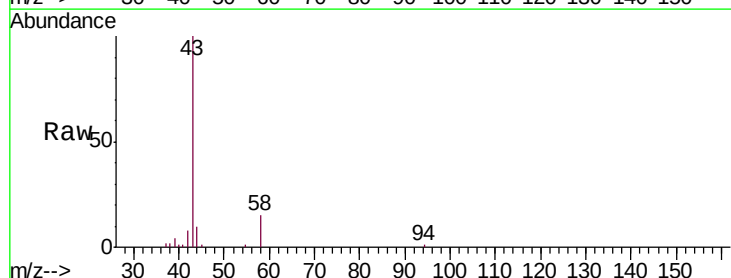
Acq: 19 Aug 2019 14:08

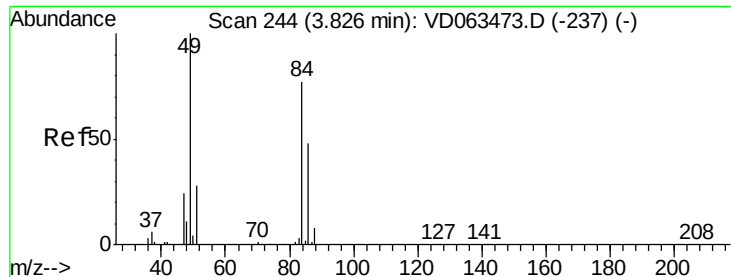
Tgt Ion: 43 Resp: 101246

Ion Ratio Lower Upper

43 100

58 14.5 11.4 17.2

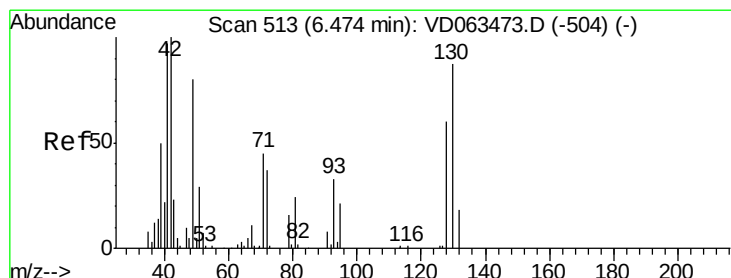
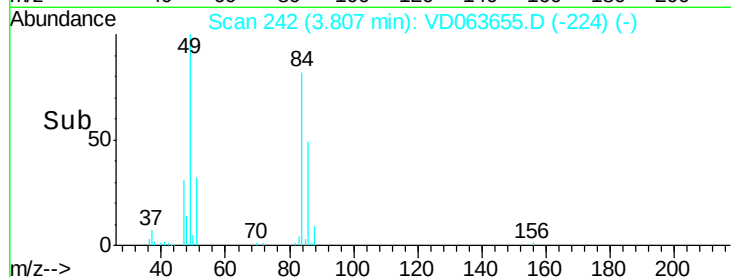
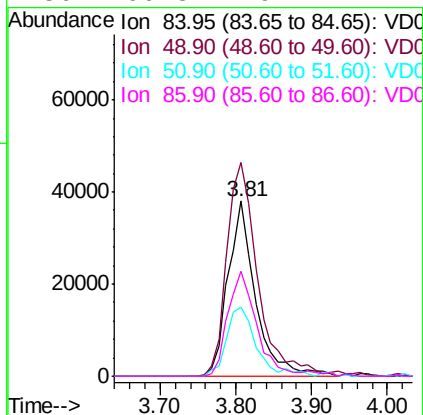
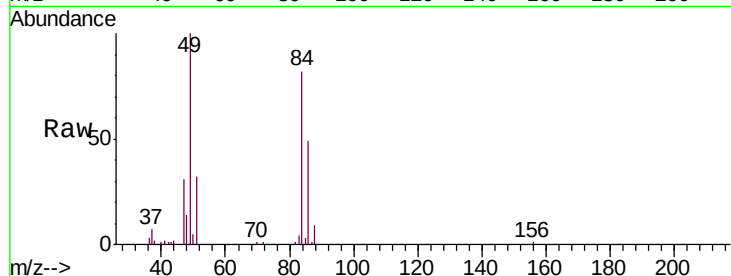




#20
Methylene Chloride
Concen: 8.796 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063655.D
Acq: 19 Aug 2019 14:08

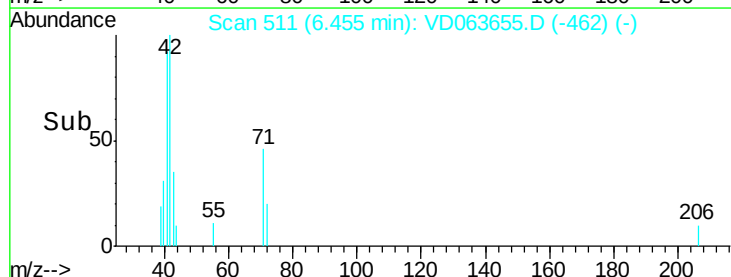
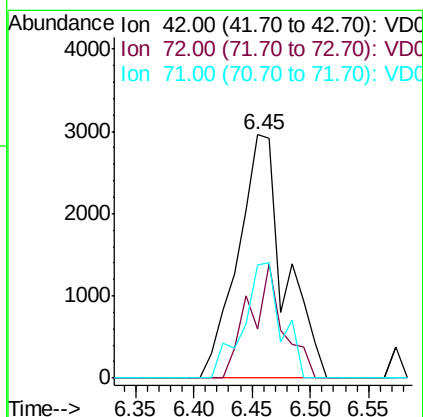
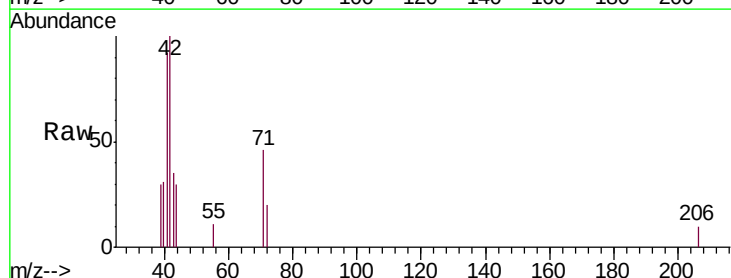
Instrument :
MSVOA_D
ClientSampleId :
T6-E2(2)

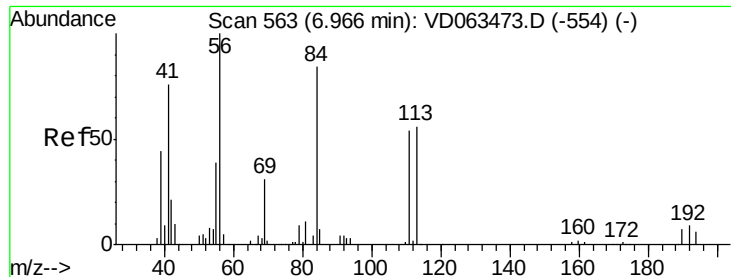
Tgt Ion:	84	Resp:	96308
Ion	Ratio	Lower	Upper
84	100		
49	122.1	103.4	155.2
51	39.3	28.5	42.7
86	60.3	49.4	74.2



#29
Tetrahydrofuran
Concen: 7.021 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.02 min
Lab File: VD063655.D
Acq: 19 Aug 2019 14:08

Tgt Ion:	42	Resp:	8182
Ion	Ratio	Lower	Upper
42	100		
72	34.1	31.5	47.3
71	38.8	33.8	50.8

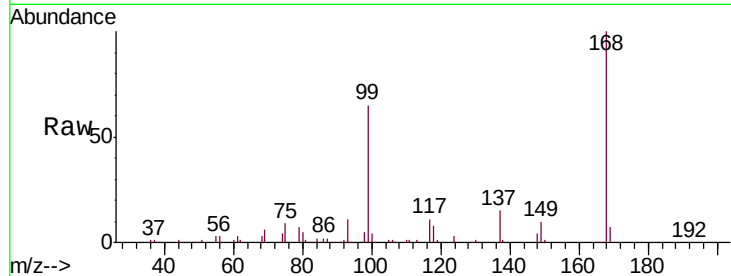




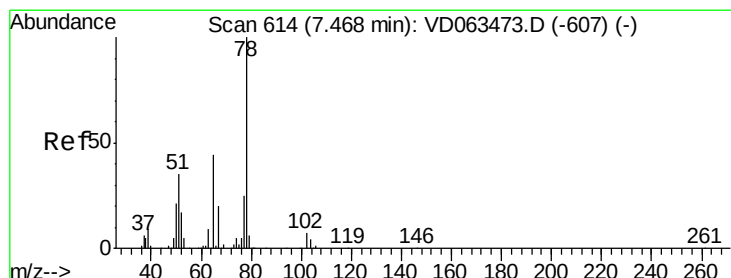
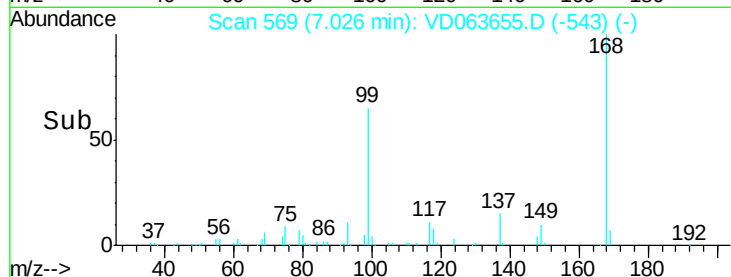
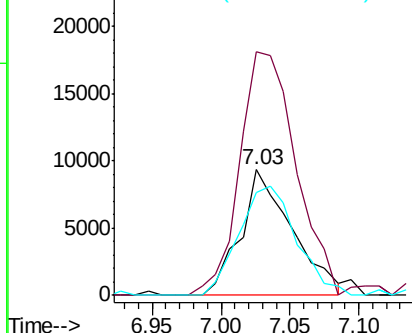
#31
Cyclohexane
Concen: 2.165 ug/l
RT: 7.03 min Scan# 569
Delta R.T. 0.06 min
Lab File: VD063655.D
Acq: 19 Aug 2019 14:08

Instrument :
MSVOA_D
ClientSampleId :
T6-E2(2)

Tgt Ion: 56 Resp: 24348
Ion Ratio Lower Upper
56 100
69 193.6 25.0 37.6#
84 81.9 69.7 104.5

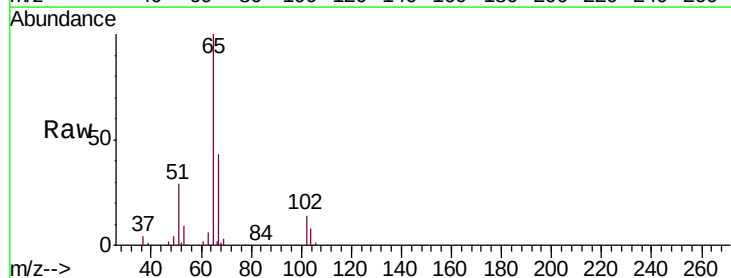


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

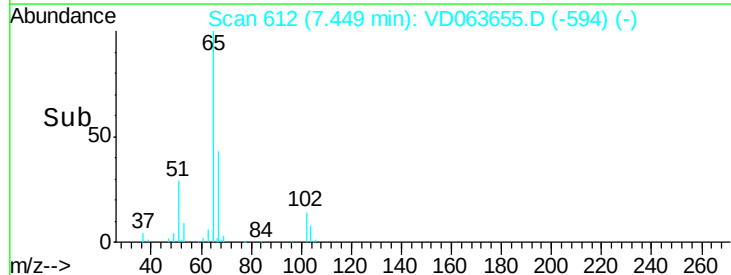
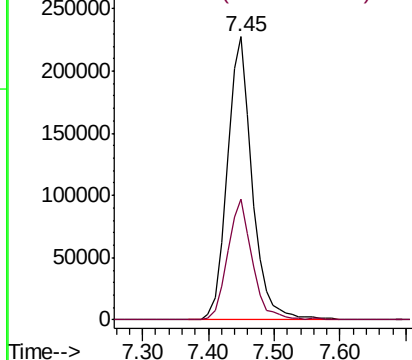


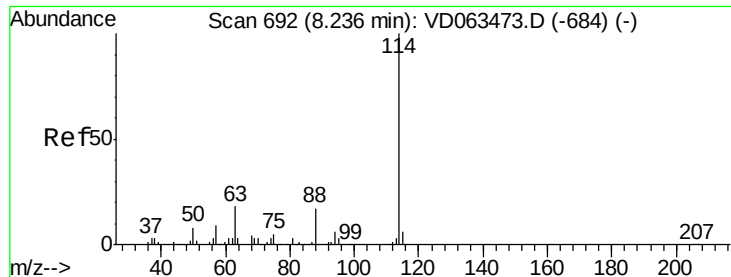
#33
1,2-Dichloroethane-d4
Concen: 48.315 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063655.D
Acq: 19 Aug 2019 14:08

Tgt Ion: 65 Resp: 601818
Ion Ratio Lower Upper
65 100
67 42.6 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: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063655.D

Acq: 19 Aug 2019 14:08

Instrument :

MSVOA_D

ClientSampleId :

T6-E2(2)

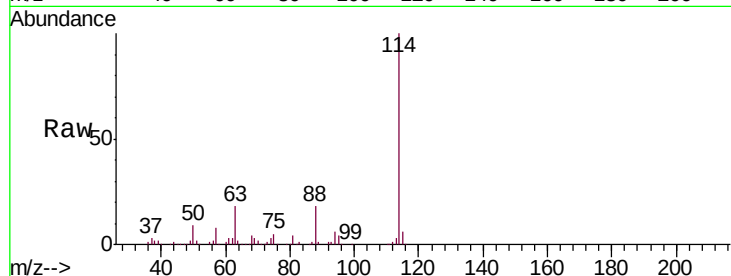
Tgt Ion:114 Resp: 1578057

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.2

88 18.1 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

8.22

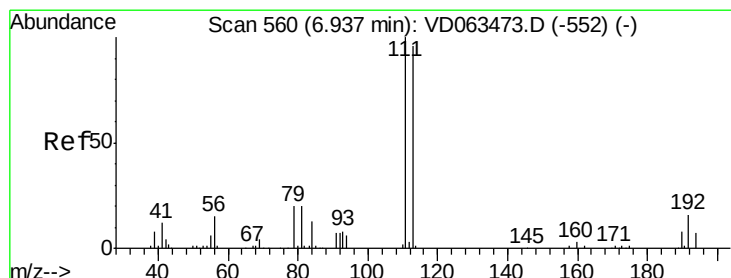
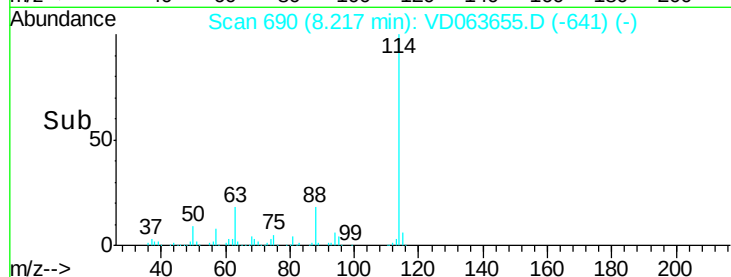
600000

400000

200000

0

Time-->



#35

Dibromofluoromethane

Concen: 51.271 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD063655.D

Acq: 19 Aug 2019 14:08

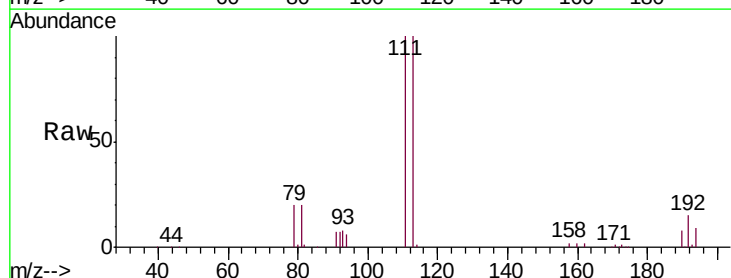
Tgt Ion:113 Resp: 681416

Ion Ratio Lower Upper

113 100

111 100.3 83.1 124.7

192 15.3 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

6.92

300000

250000

200000

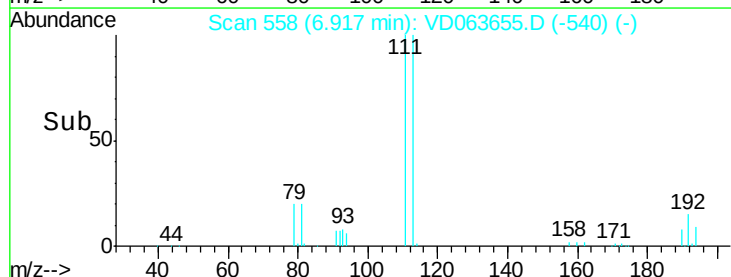
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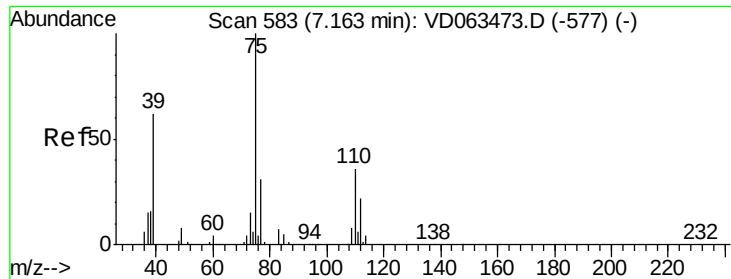
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50000

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Time-->

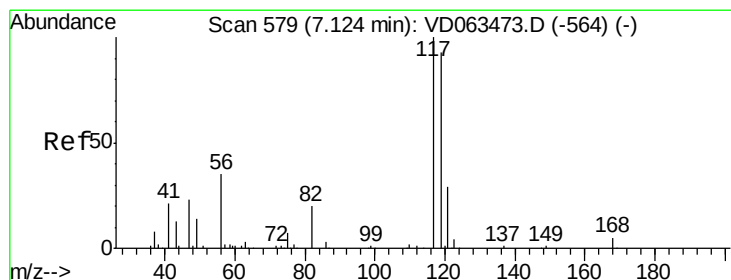
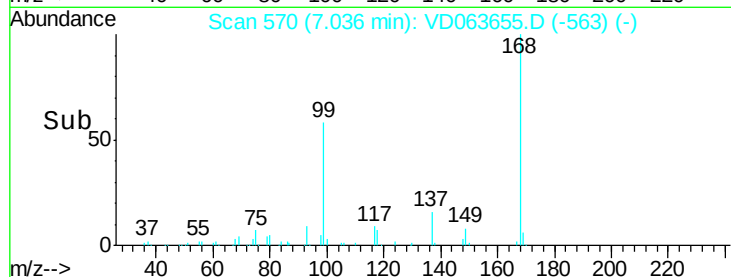
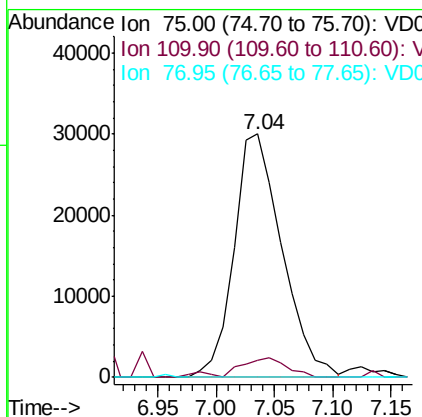
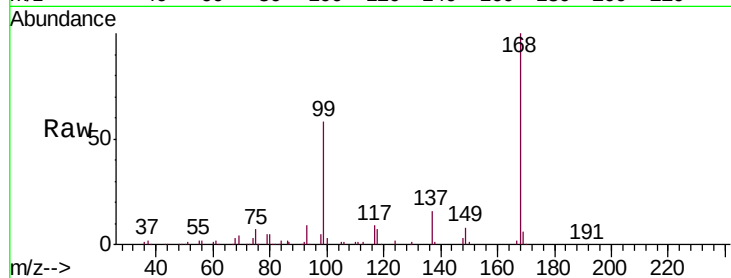




#36
 1,1-Dichloropropene
 Concen: 6.138 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.13 min
 Lab File: VD063655.D
 Acq: 19 Aug 2019 14:08

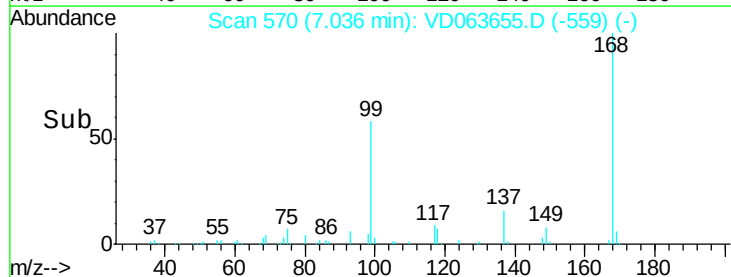
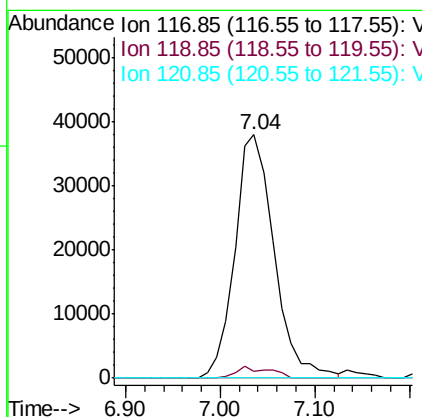
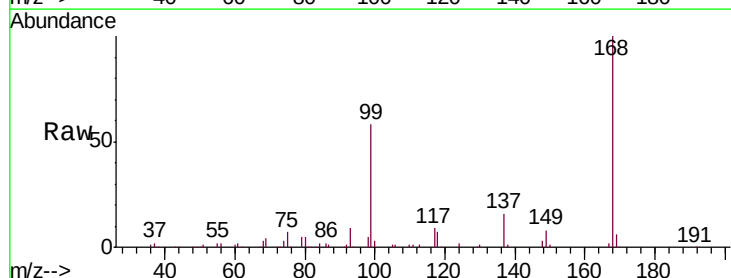
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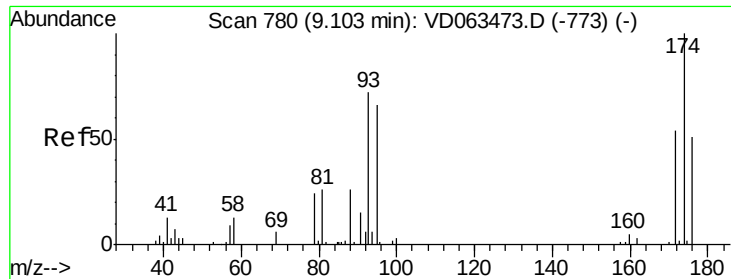
Tgt Ion: 75 Resp: 85634
 Ion Ratio Lower Upper
 75 100
 110 6.8 17.6 52.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.200 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD063655.D
 Acq: 19 Aug 2019 14:08

Tgt Ion: 117 Resp: 109339
 Ion Ratio Lower Upper
 117 100
 119 2.9 74.2 111.2#
 121 0.0 23.1 34.7#

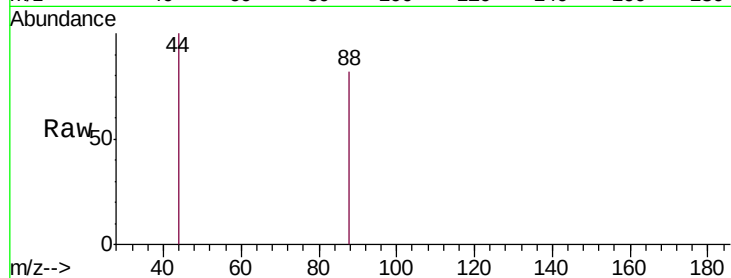




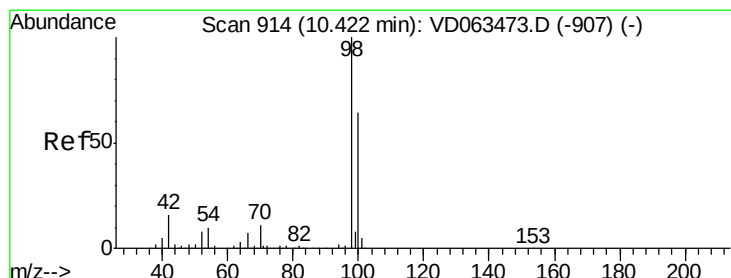
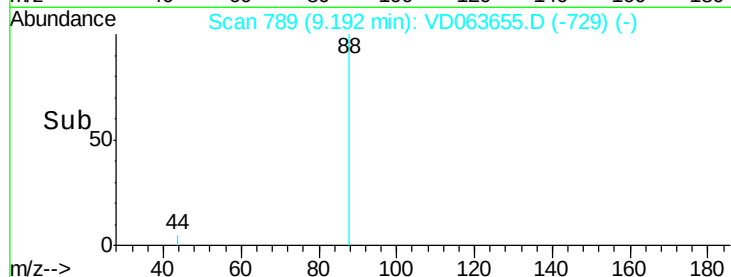
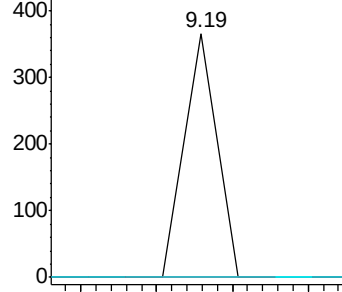
#49
 1,4-Dioxane
 Concen: 29.183 ug/l
 RT: 9.19 min Scan# 789
 Delta R.T. 0.09 min
 Lab File: VD063655.D
 Acq: 19 Aug 2019 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-E2(2)

Tgt Ion: 88 Resp: 216
 Ion Ratio Lower Upper
 88 100
 43 0.0 22.9 34.3#
 58 0.0 40.1 60.1#

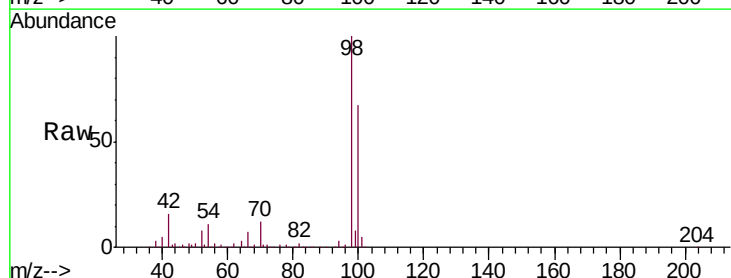


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

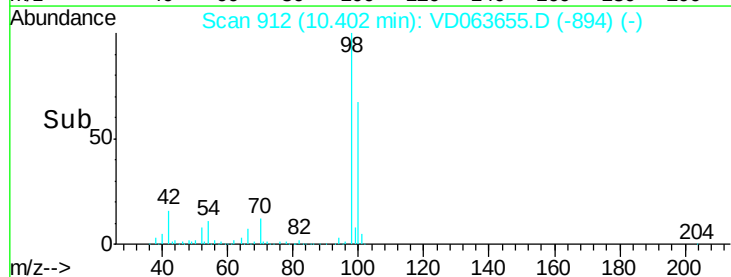
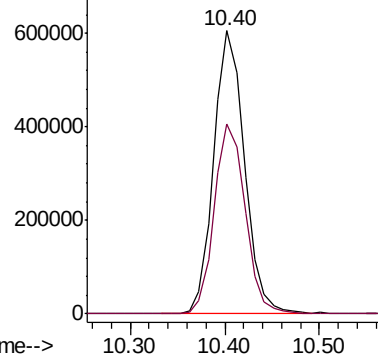


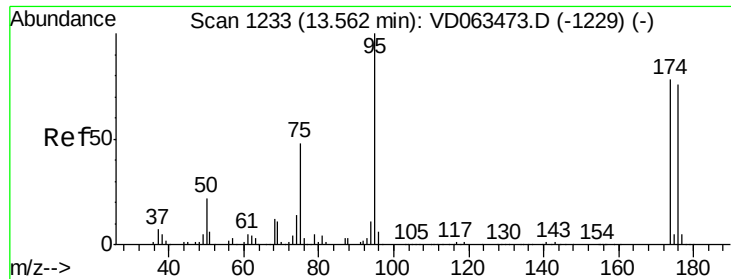
#50
 Toluene-d8
 Concen: 46.867 ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.02 min
 Lab File: VD063655.D
 Acq: 19 Aug 2019 14:08

Tgt Ion: 98 Resp: 1369455
 Ion Ratio Lower Upper
 98 100
 100 67.2 51.7 77.5



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

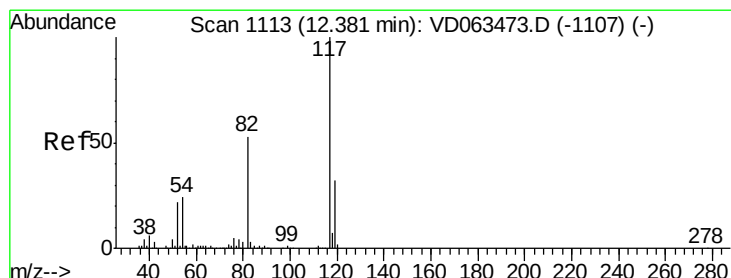
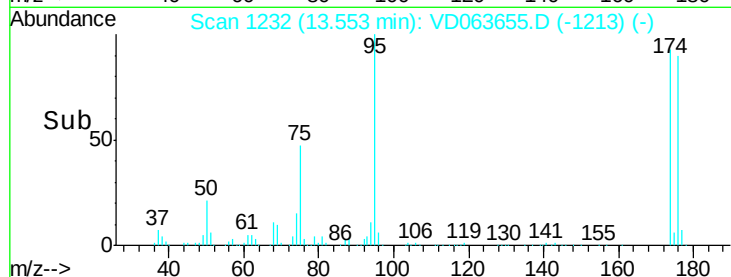
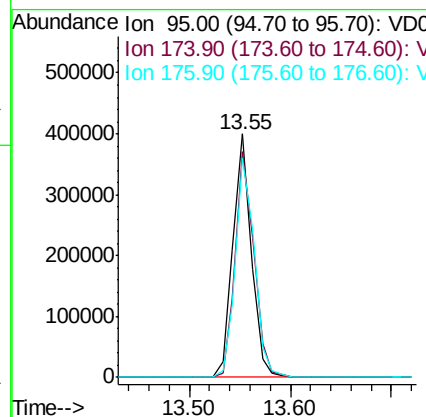
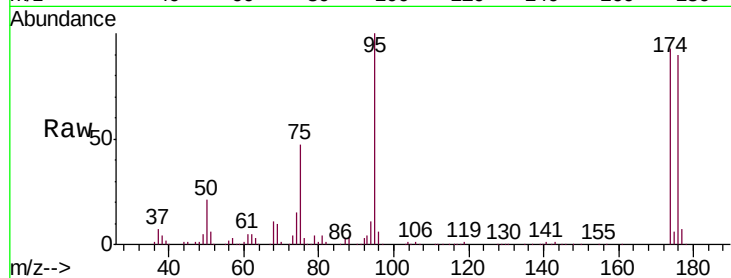




#62
4-Bromofluorobenzene
Concen: 38.229 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063655.D
Acq: 19 Aug 2019 14:08

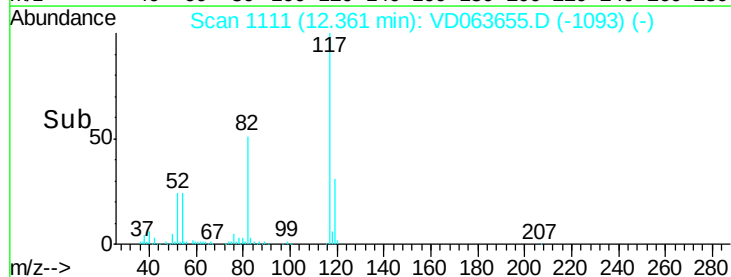
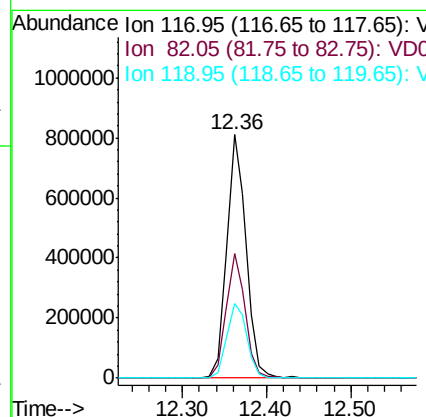
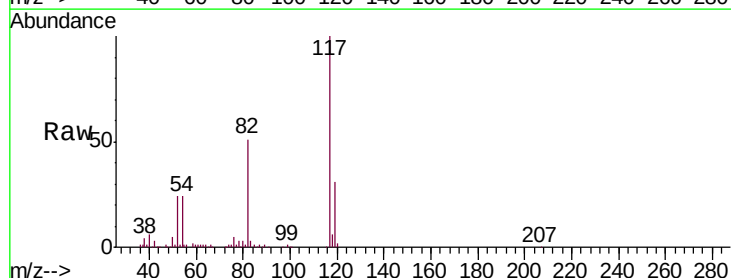
Instrument :
MSVOA_D
ClientSampleId :
T6-E2(2)

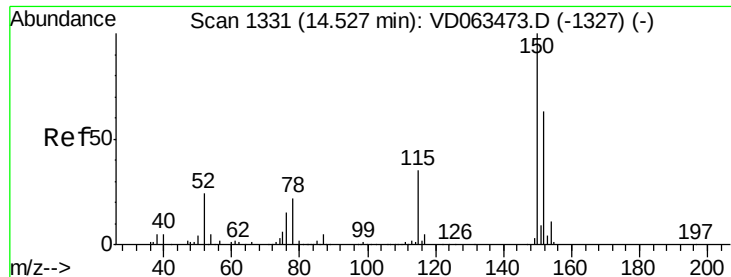
Tgt Ion: 95 Resp: 506293
Ion Ratio Lower Upper
95 100
174 92.5 0.0 155.4
176 90.3 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063655.D
Acq: 19 Aug 2019 14:08

Tgt Ion: 117 Resp: 1284005
Ion Ratio Lower Upper
117 100
82 51.0 42.0 63.0
119 30.8 25.4 38.0

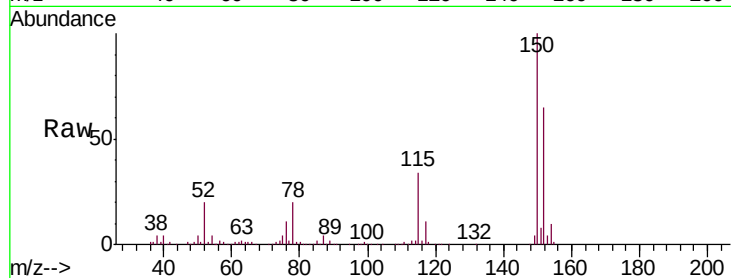




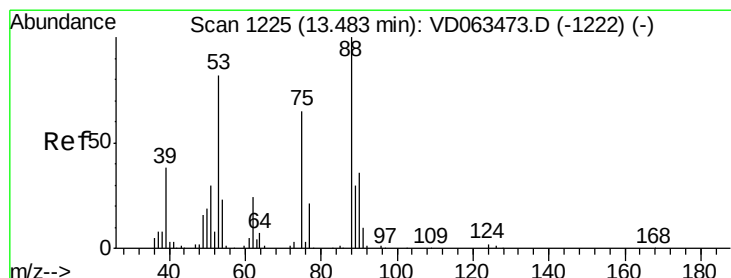
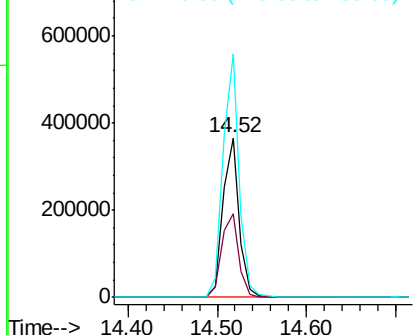
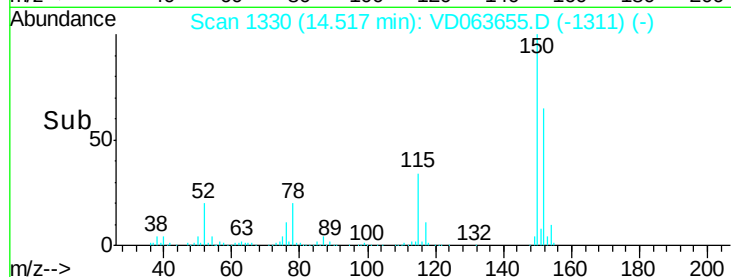
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD063655.D
 Acq: 19 Aug 2019 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-E2(2)

Tgt Ion:152 Resp: 469768
 Ion Ratio Lower Upper
 152 100
 115 52.6 30.9 92.7
 150 152.8 0.0 318.6

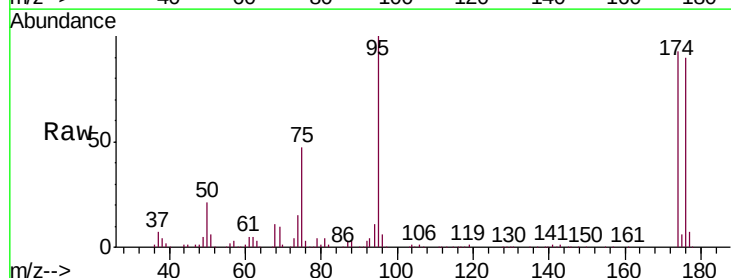


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V



#81
 trans-1,4-Dichloro-2-butene
 Concen: 163.111 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.07 min
 Lab File: VD063655.D
 Acq: 19 Aug 2019 14:08

Tgt Ion: 75 Resp: 236358
 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

