

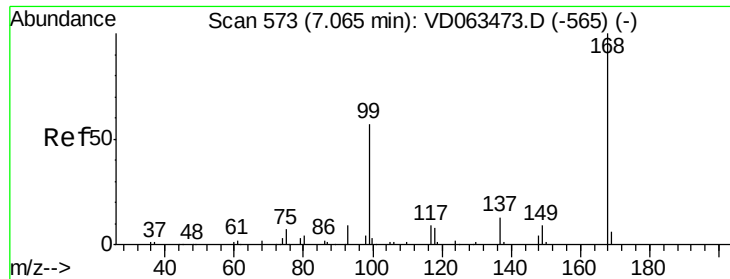
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063529.D
 Acq On : 13 Aug 2019 16:09
 Operator : JC/SY
 Sample : K4295-03
 Misc : 5.18g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 14 08:28:30 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	7.05	168	1098685	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.23	114	1667197	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1373877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	641095	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	469479	39.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.96%	
35) Dibromofluoromethane	6.94	113	531912	37.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.76%	
50) Toluene-d8	10.41	98	999219	32.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	64.74%	
62) 4-Bromofluorobenzene	13.56	95	474661	33.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.84%	
Target Compounds						
					Qvalue	
16) Acetone	3.24	43	9992	4.185	ug/l #	85
20) Methylene Chloride	3.82	84	23222	2.249	ug/l	87
31) Cyclohexane	7.05	56	24715	2.331	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	82246	5.580	ug/l #	48
38) Carbon Tetrachloride	7.05	117	105153	4.734	ug/l #	17
49) 1,4-Dioxane	8.71	88	202	28.673	ug/l #	1
51) 4-Methyl-2-Pentanone	10.41	43	6165	1.089	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	214684	108.561	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063529.D

Acq: 13 Aug 2019 16:09

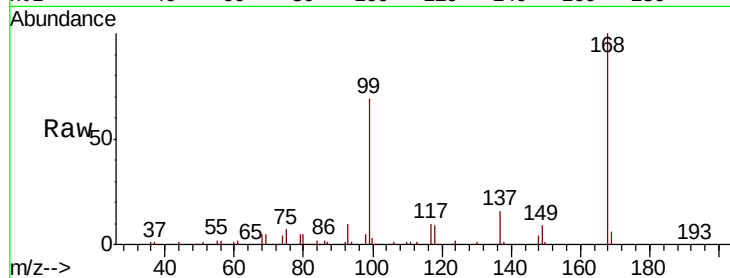
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1098685

Ion Ratio Lower Upper

168 100

99 69.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.05

400000

300000

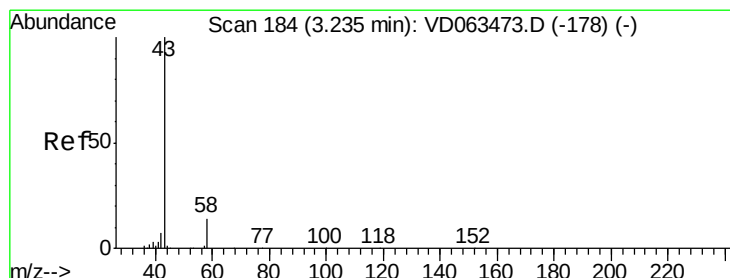
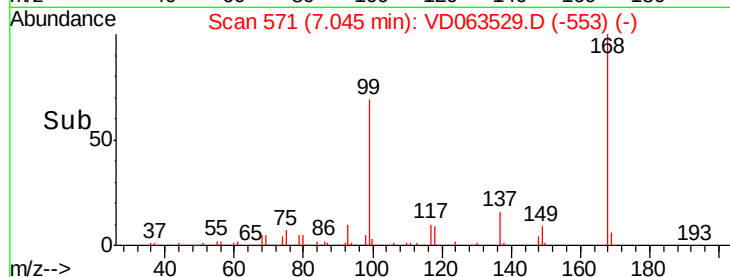
200000

100000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#16

Acetone

Concen: 4.185 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.00 min

Lab File: VD063529.D

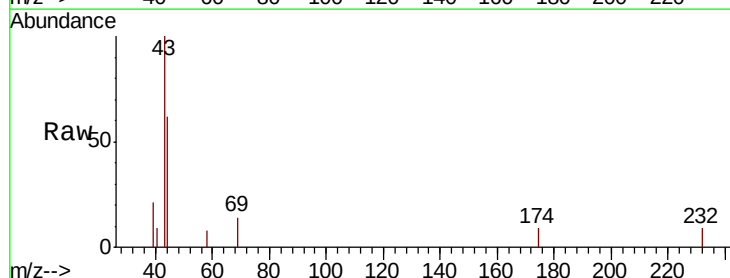
Acq: 13 Aug 2019 16:09

Tgt Ion: 43 Resp: 9992

Ion Ratio Lower Upper

43 100

58 8.3 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 57.95 (57.65 to 58.65): V

3.24

4000

3000

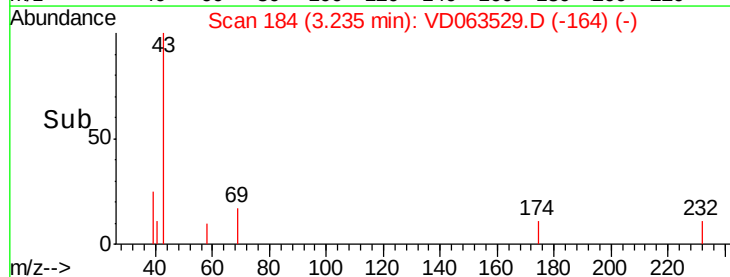
2000

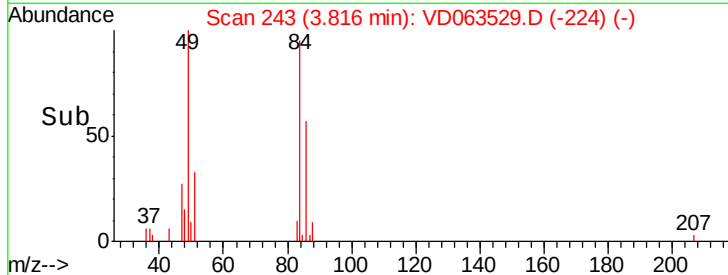
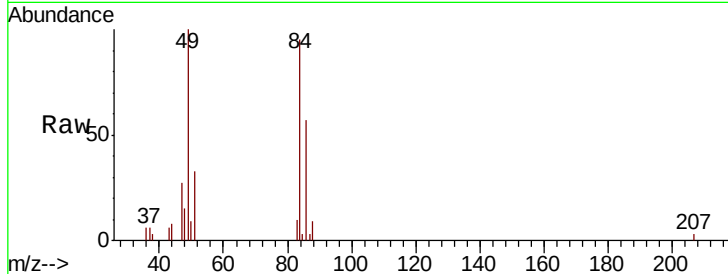
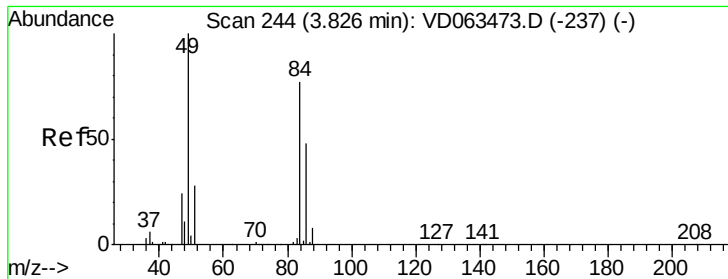
1000

0

3.15 3.20 3.25 3.30 3.35

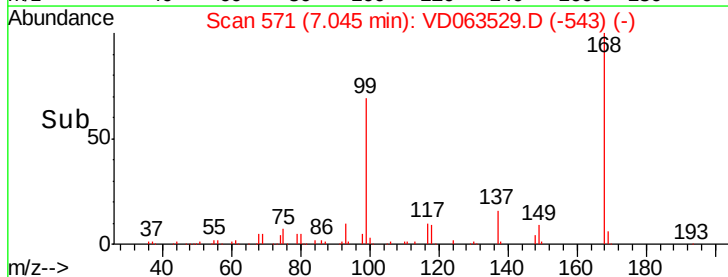
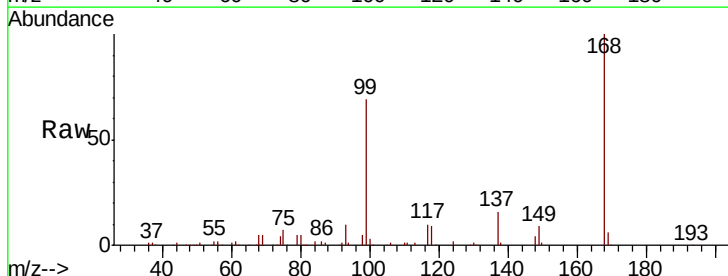
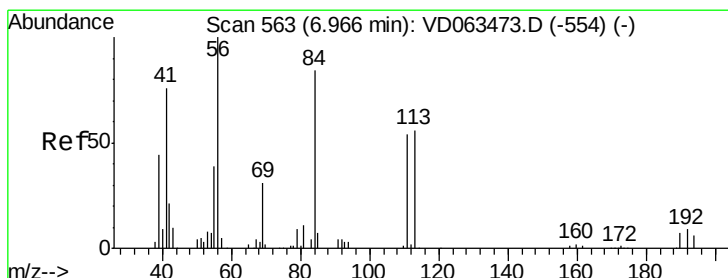
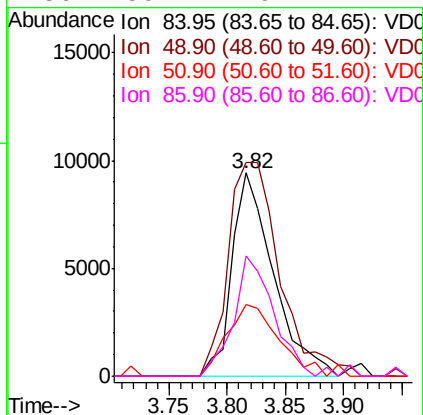
Time-->





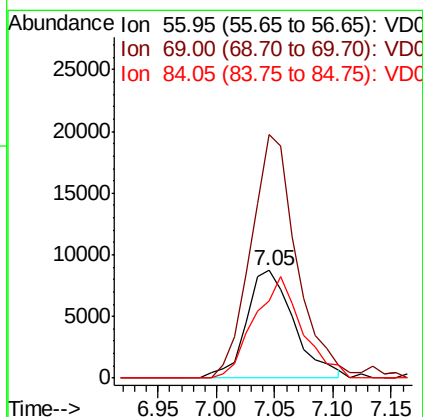
#20
Methylene Chloride
Concen: 2.249 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD063529.D
Acq: 13 Aug 2019 16:09

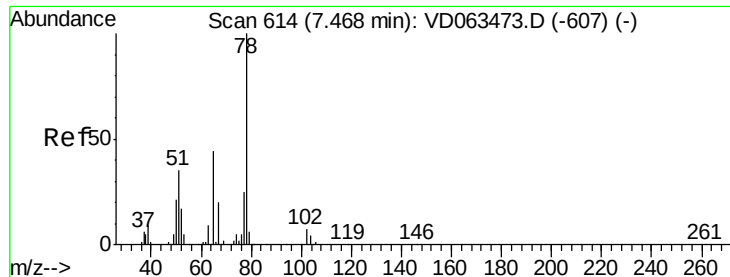
Tot Ion:	84	Resp:	23222
Ion	Ratio	Lower	Upper
84	100		
49	104.9	103.4	155.2
51	35.1	28.5	42.7
86	59.4	49.4	74.2



#31
Cyclohexane
Concen: 2.331 ug/l
RT: 7.05 min Scan# 571
Delta R.T. 0.08 min
Lab File: VD063529.D
Acq: 13 Aug 2019 16:09

Tgt Ion:	56	Resp:	24715
Ion	Ratio	Lower	Upper
56	100		
69	226.9	25.0	37.6#
84	71.5	69.7	104.5





#33

1,2-Dichloroethane-d4

Concen: 39.976 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD063529.D

Acq: 13 Aug 2019 16:09

Instrument :

MSVOA_D

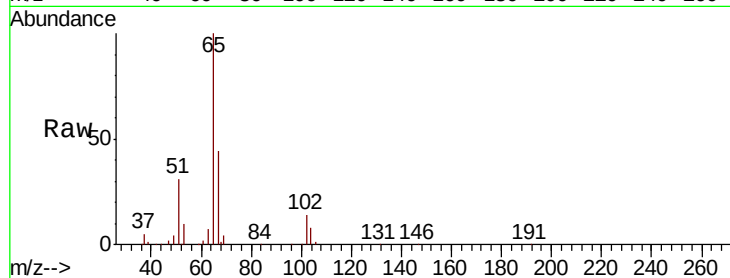
ClientSampled :

Tot Ion: 65 Resp: 469479

Ion Ratio Lower Upper

65 100

67 43.6 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

200000

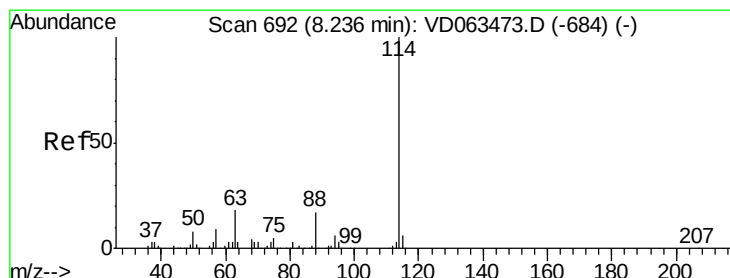
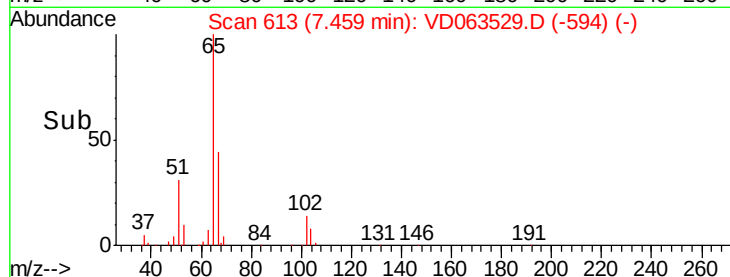
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. -0.01 min

Lab File: VD063529.D

Acq: 13 Aug 2019 16:09

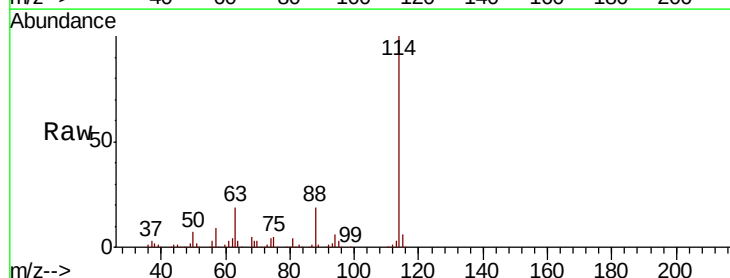
Tgt Ion: 114 Resp: 1667197

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.2

88 19.2 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

8.23

800000

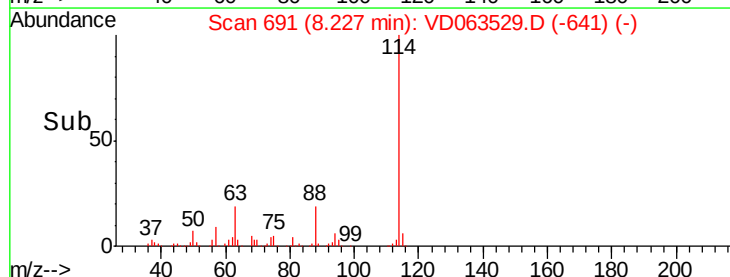
600000

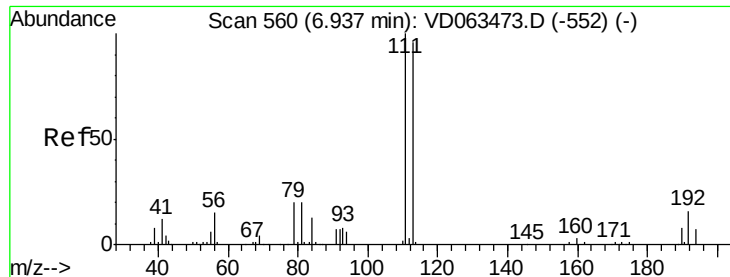
400000

200000

0

Time--> 8.10 8.20 8.30 8.40

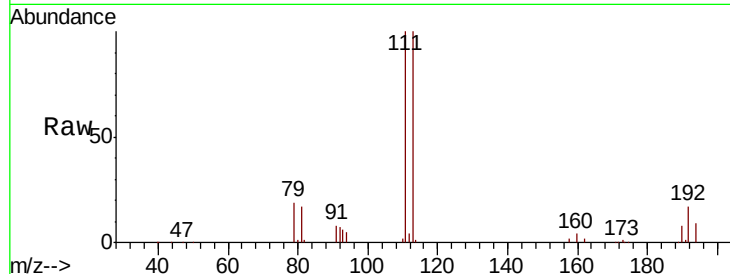




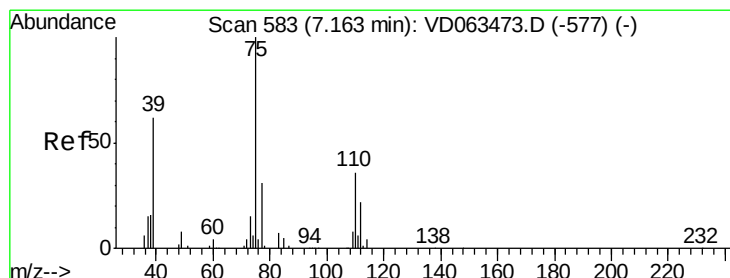
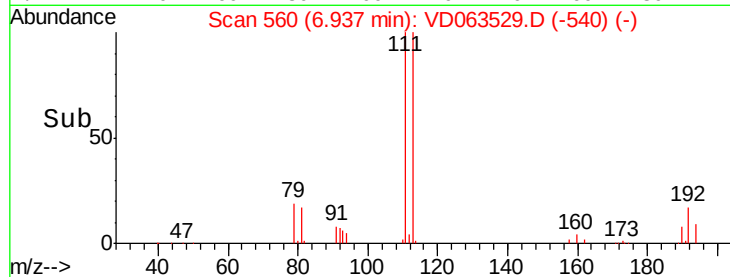
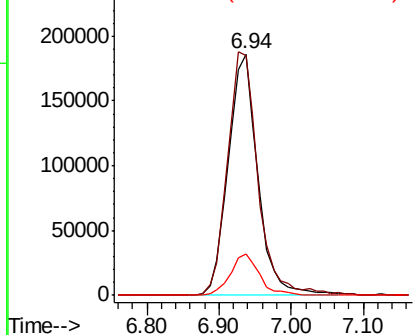
#35
 Dibromofluoromethane
 Concen: 37.882 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: VD063529.D
 Acq: 13 Aug 2019 16:09

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.6	83.1	124.7
192	17.3	13.1	19.7

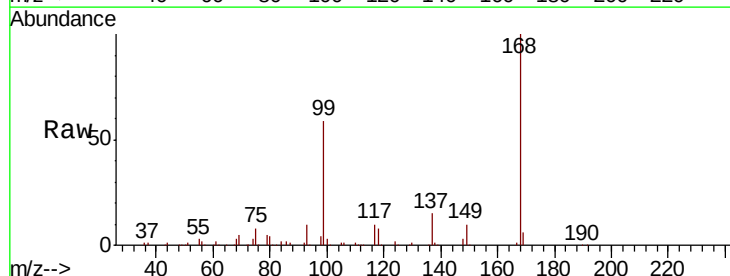


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

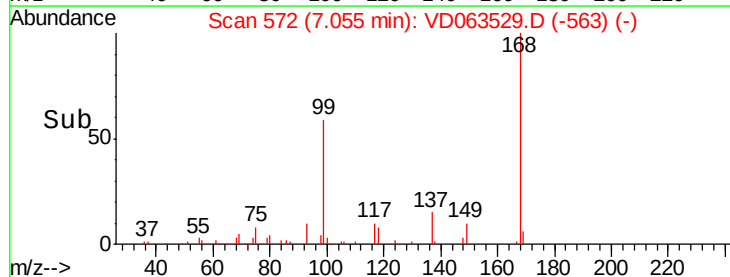
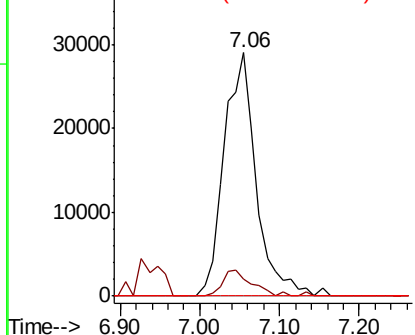


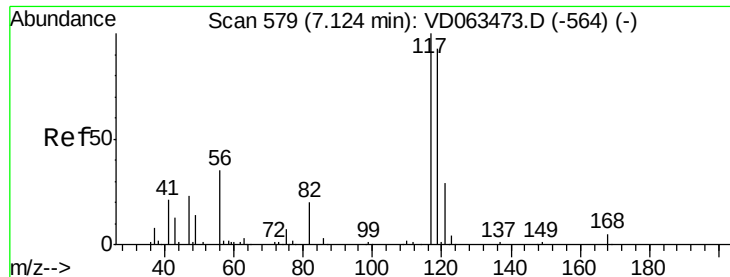
#36
 1,1-Dichloropropene
 Concen: 5.580 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.11 min
 Lab File: VD063529.D
 Acq: 13 Aug 2019 16:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.9	17.6	52.8#
77	0.0	24.3	36.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 4.734 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD063529.D

Acq: 13 Aug 2019 16:09

Instrument :

MSVOA_D

ClientSampleId :

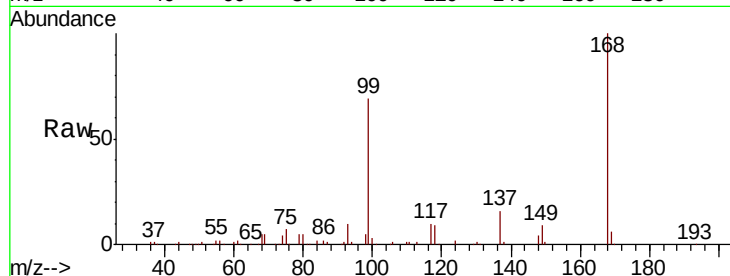
Tot Ion:117 Resp: 105153

Ion Ratio Lower Upper

117 100

119 4.5 74.2 111.2#

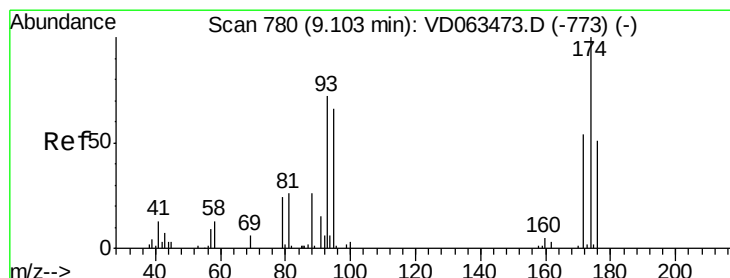
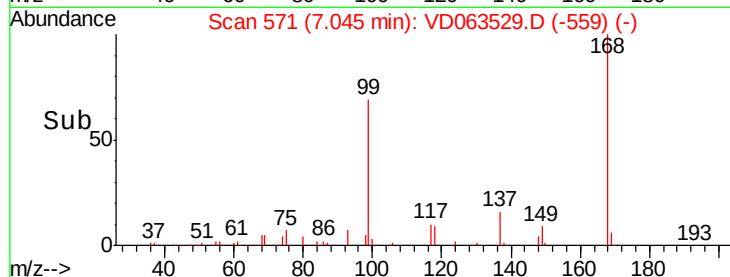
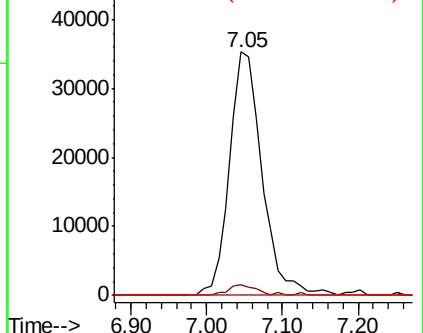
121 0.0 23.1 34.7#



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



#49

1,4-Dioxane

Concen: 28.673 ug/l

RT: 8.71 min Scan# 740

Delta R.T. -0.39 min

Lab File: VD063529.D

Acq: 13 Aug 2019 16:09

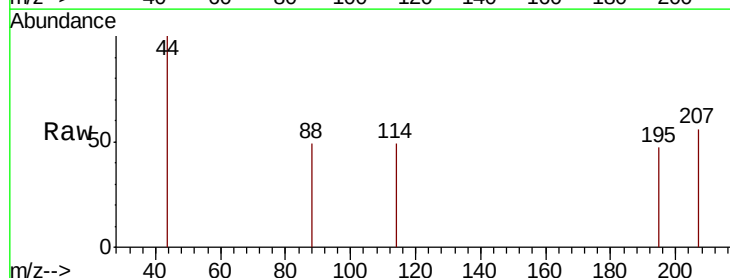
Tgt Ion: 88 Resp: 202

Ion Ratio Lower Upper

88 100

43 205.0 22.9 34.3#

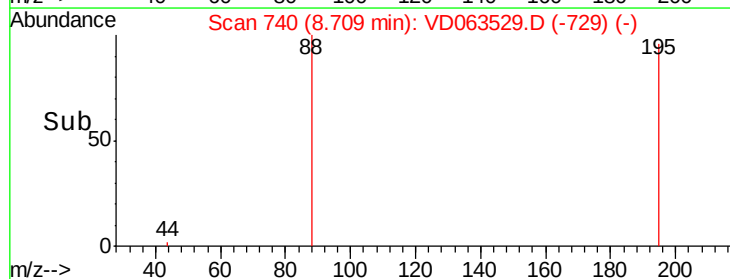
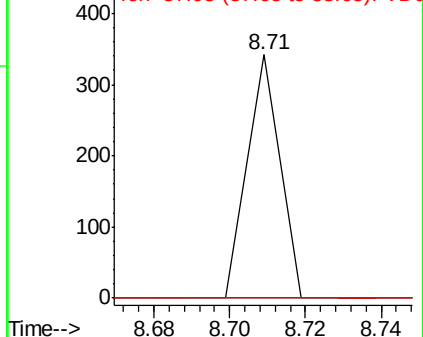
58 0.0 40.1 60.1#

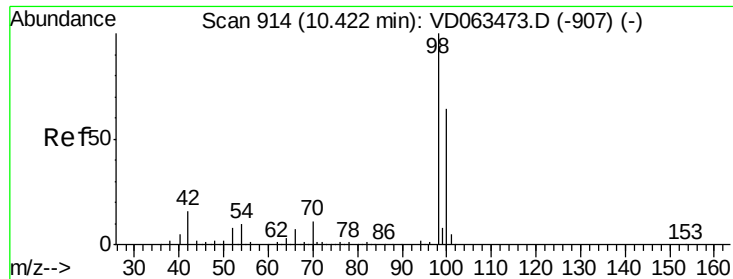


Abundance Ion 88.00 (87.70 to 88.70): V

Ion 43.05 (42.75 to 43.75): V

Ion 57.95 (57.65 to 58.65): V

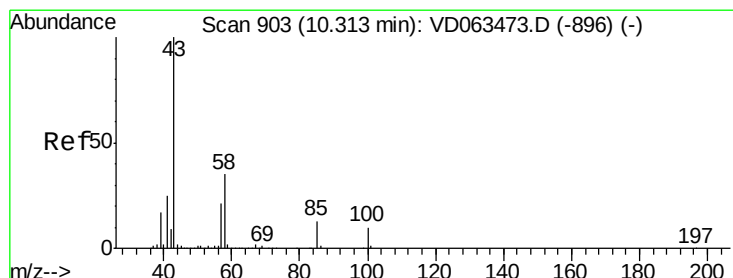
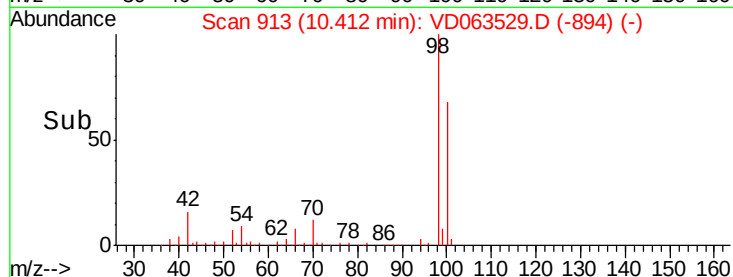
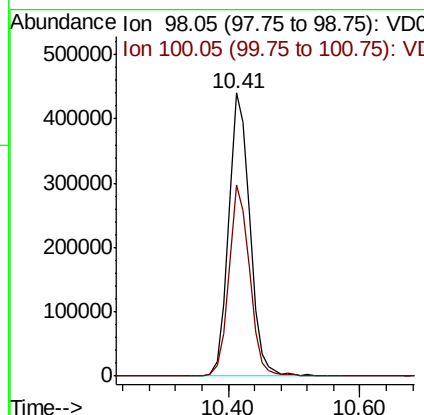
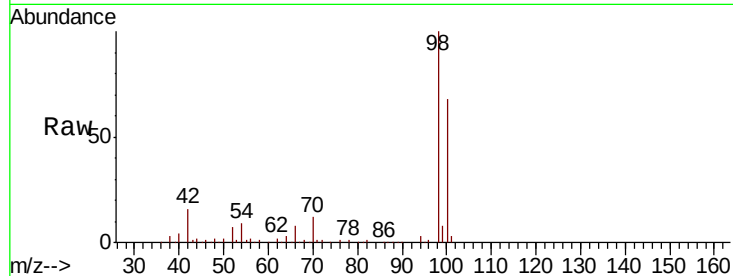




#50
Toluene-d8
Concen: 32.368 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063529.D
Acq: 13 Aug 2019 16:09

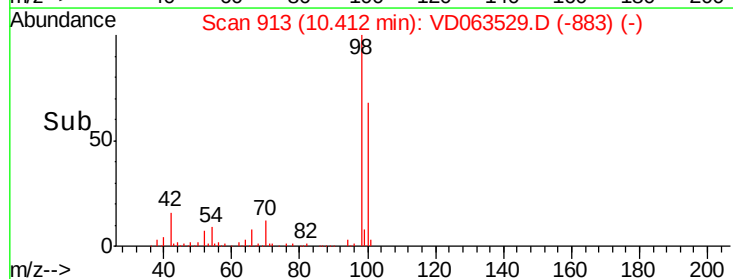
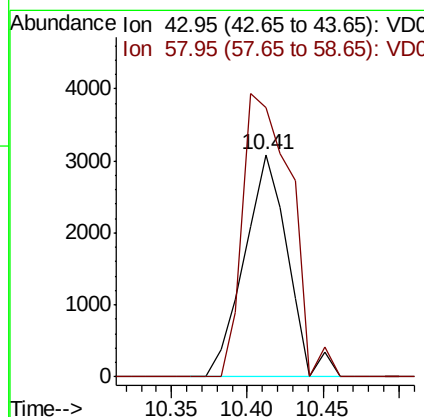
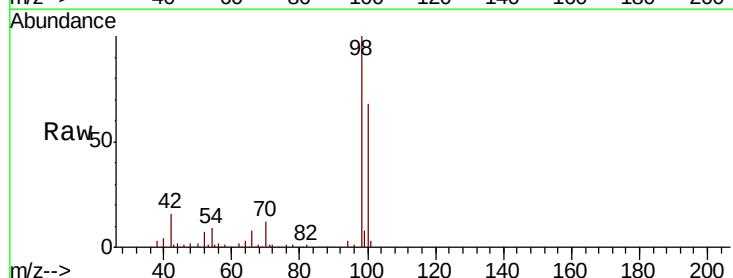
Instrument :
MSVOA_D
ClientSampleId :

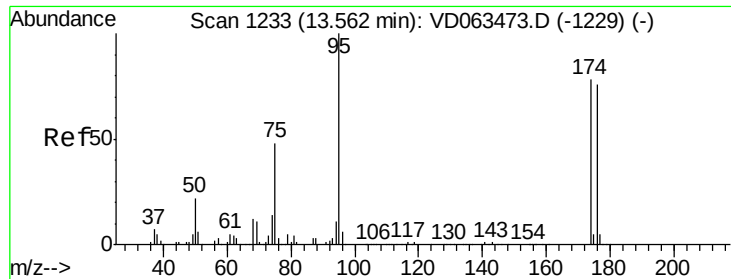
Tot Ion: 98 Resp: 999219
Ion Ratio Lower Upper
98 100
100 67.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.089 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.10 min
Lab File: VD063529.D
Acq: 13 Aug 2019 16:09

Tgt Ion: 43 Resp: 6165
Ion Ratio Lower Upper
43 100
58 120.9 28.0 42.0#





#62

4-Bromofluorobenzene

Concen: 33.924 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VD063529.D

Acq: 13 Aug 2019 16:09

Instrument :

MSVOA_D

ClientSampleId :

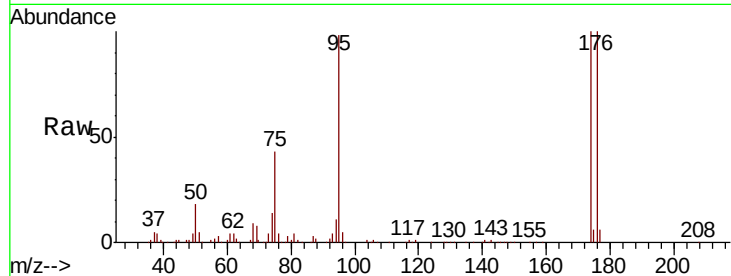
Tot Ion: 95 Resp: 474661

Ion Ratio Lower Upper

95 100

174 101.1 0.0 155.4

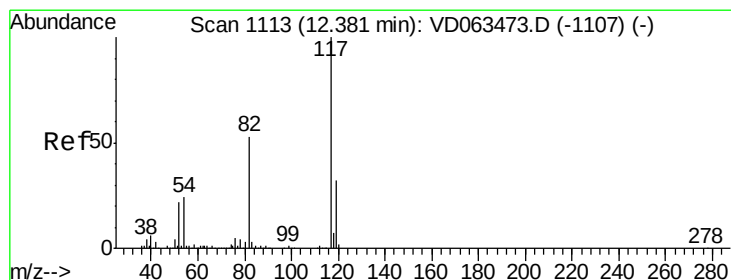
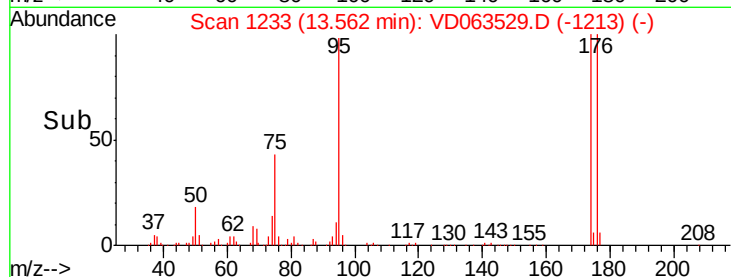
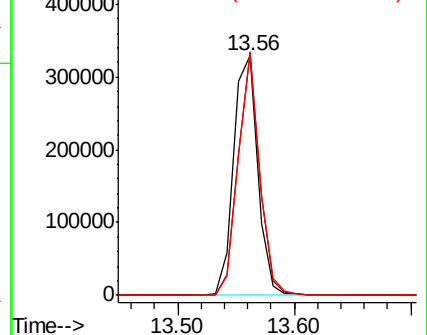
176 101.6 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VD063529.D

Acq: 13 Aug 2019 16:09

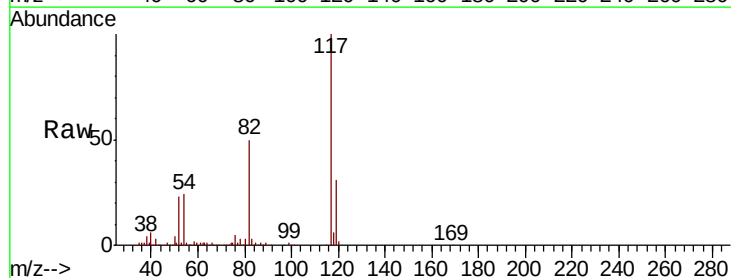
Tgt Ion: 117 Resp: 1373877

Ion Ratio Lower Upper

117 100

82 50.0 42.0 63.0

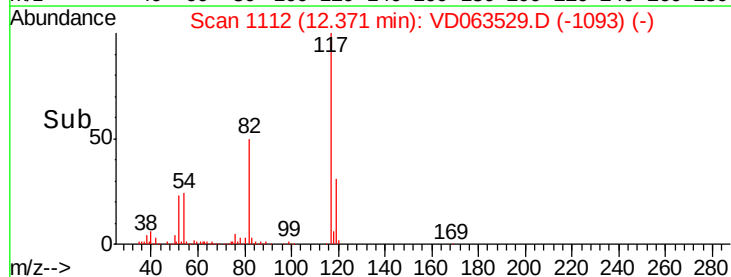
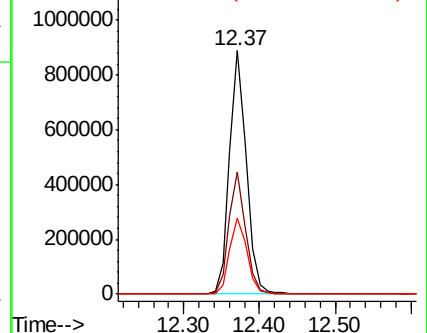
119 31.3 25.4 38.0

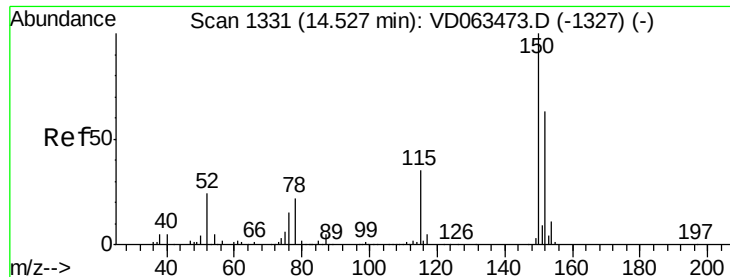


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

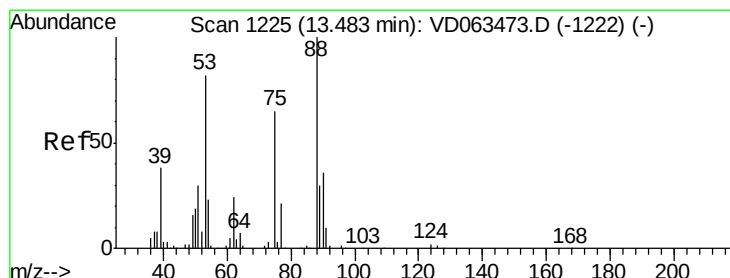
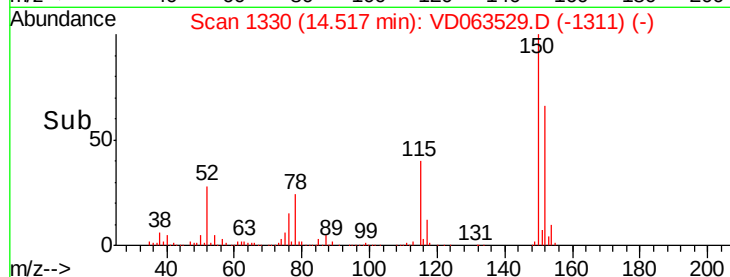
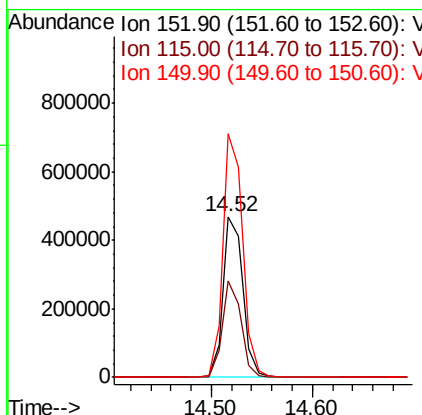
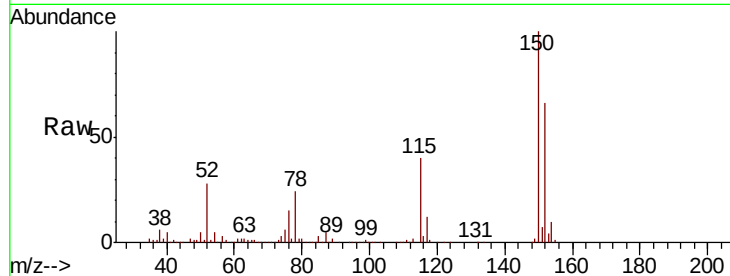




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD063529.D
 Acq: 13 Aug 2019 16:09

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.9	92.7
150	151.7	0.0	318.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.561 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.08 min
 Lab File: VD063529.D
 Acq: 13 Aug 2019 16:09

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	101.0	151.4#
89	0.0	37.0	55.6#

