

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021020\
 Data File : VD065134.D
 Acq On : 10 Feb 2020 15:48
 Operator : VA/SY
 Sample : L1403-08RE
 Misc : 7.57G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 11 08:07:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	439387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	733384	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	771636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	394268	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	225416	60.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.72%	
35) Dibromofluoromethane	7.92	113	233641	57.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.20%	
50) Toluene-d8	10.34	98	908001	55.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.50%	
62) 4-Bromofluorobenzene	12.64	95	344168	66.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.38%	

Target Compounds

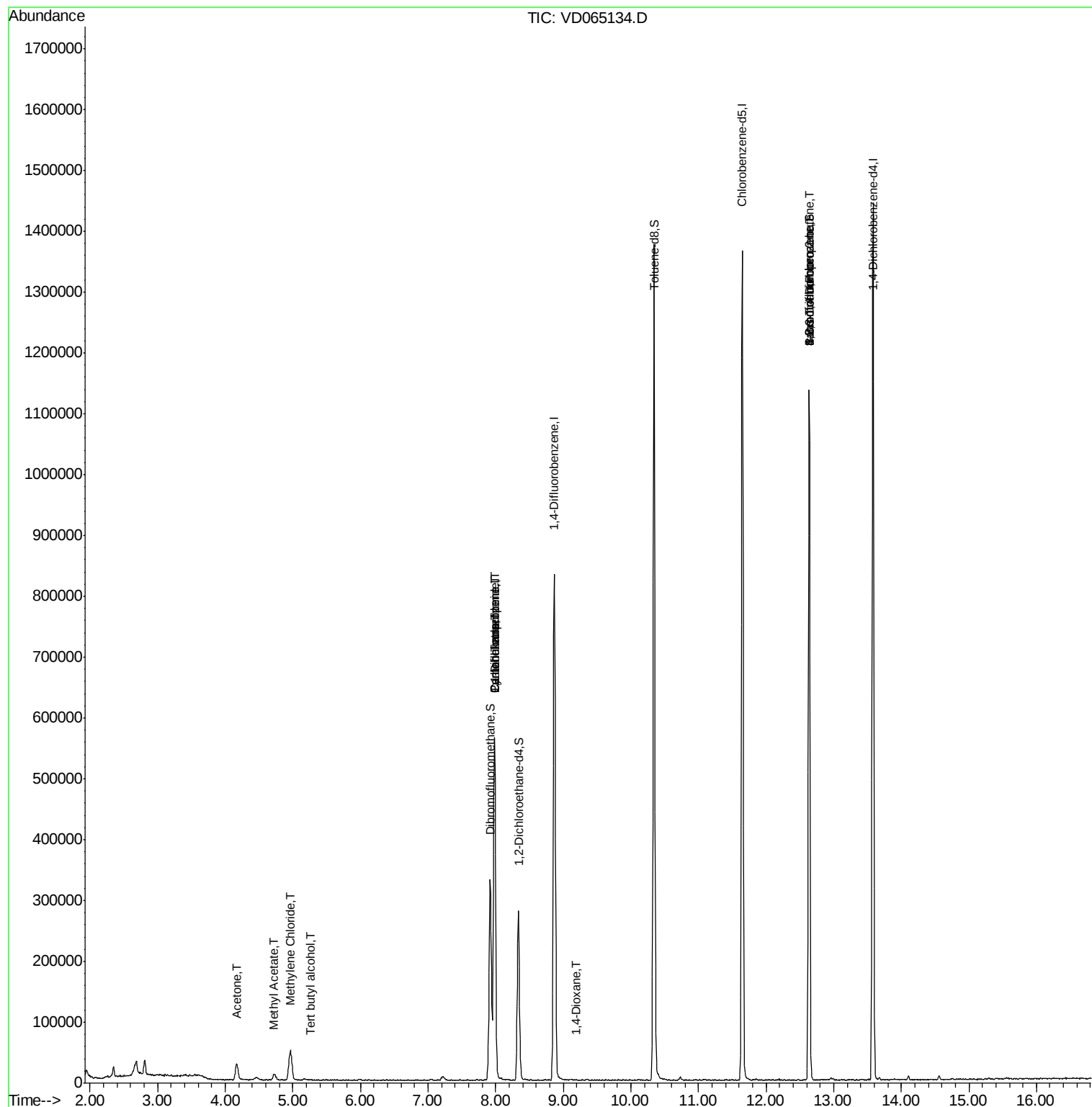
					Qvalue	
11) Tert butyl alcohol	5.26	59	1031	4.519	ug/l #	71
16) Acetone	4.17	43	49813	53.352	ug/l	99
18) Methyl Acetate	4.72	43	20268	10.390	ug/l	97
20) Methylene Chloride	4.96	84	37870	5.722	ug/l	97
31) Cyclohexane	7.98	56	9811	1.321	ug/l #	29
36) 1,1-Dichloropropene	7.98	75	32916	4.827	ug/l #	48
38) Carbon Tetrachloride	7.98	117	42283	6.071	ug/l #	15
49) 1,4-Dioxane	9.19	88	93	3.309	ug/l #	23
71) Bromoform	12.64	173	3472	1.171	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	177615	59.502	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	177615	118.999	ug/l #	10

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

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Quant Time: Feb 11 08:07:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065134.D

Acq: 10 Feb 2020 15:48

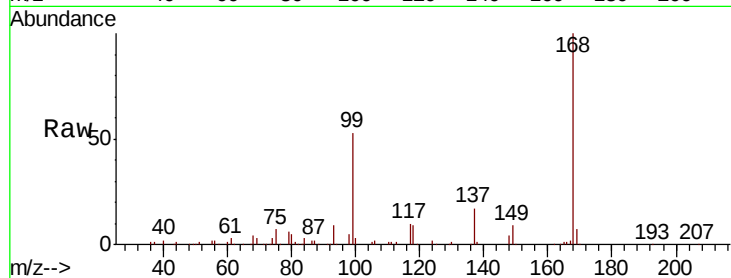
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 439387

Ion Ratio Lower Upper

168 100

99 53.3 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

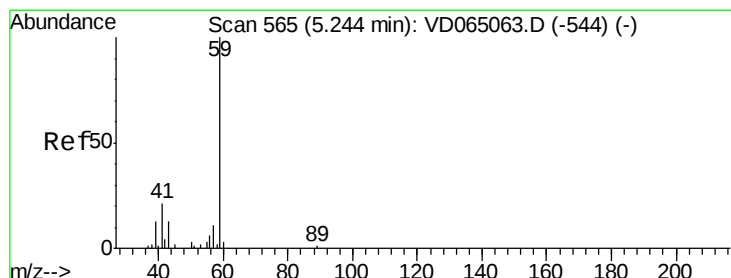
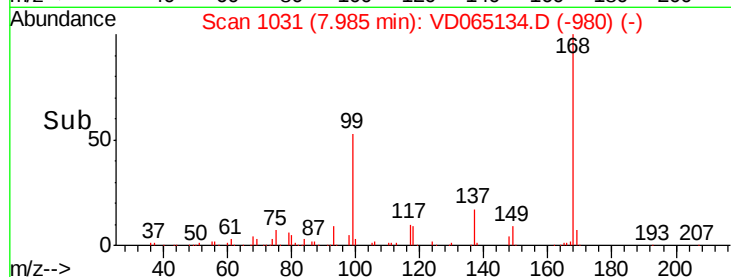
100000

50000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 4.519 ug/l

RT: 5.26 min Scan# 568

Delta R.T. 0.02 min

Lab File: VD065134.D

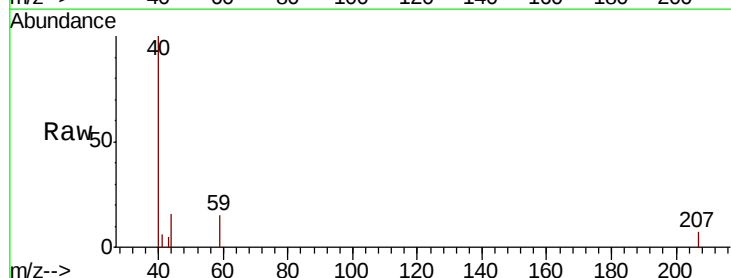
Acq: 10 Feb 2020 15:48

Tgt Ion: 59 Resp: 1031

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.26

600

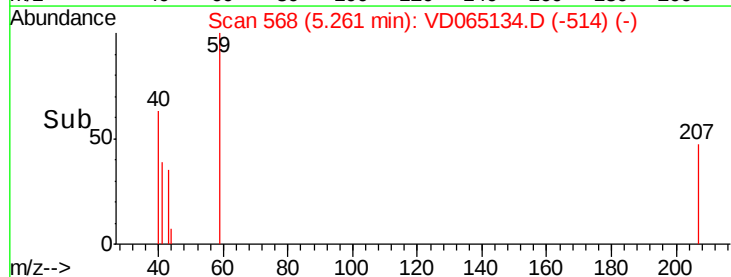
400

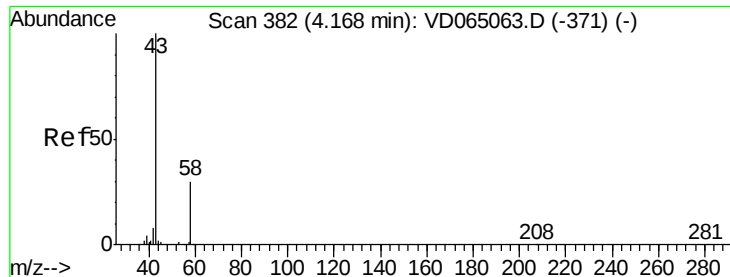
200

0

Time-->

5.22 5.24 5.26 5.28 5.30





#16

Acetone

Concen: 53.352 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065134.D

Acq: 10 Feb 2020 15:48

Instrument :

MSVOA_D

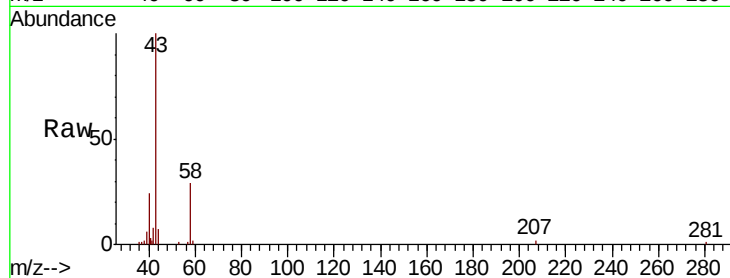
ClientSampleId :

Tot Ion: 43 Resp: 49813

Ion Ratio Lower Upper

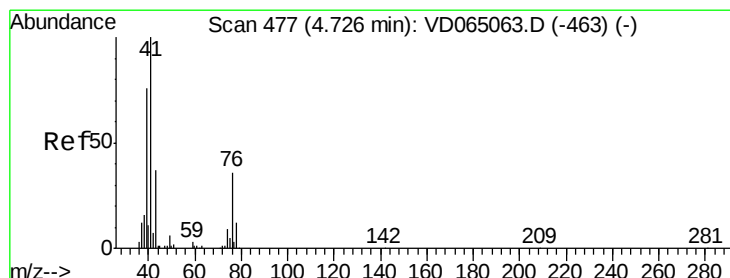
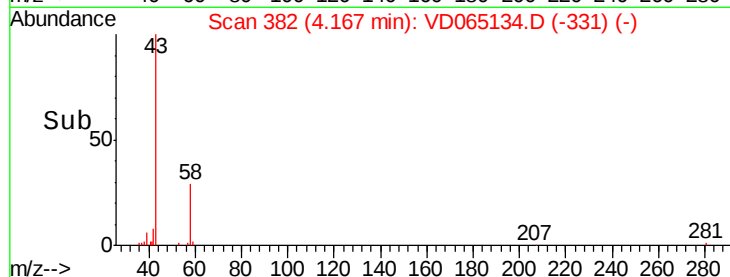
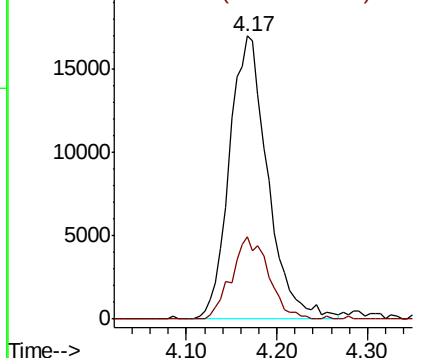
43 100

58 28.9 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: 10.390 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065134.D

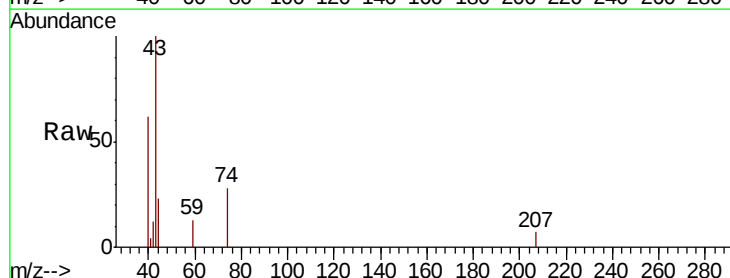
Acq: 10 Feb 2020 15:48

Tgt Ion: 43 Resp: 20268

Ion Ratio Lower Upper

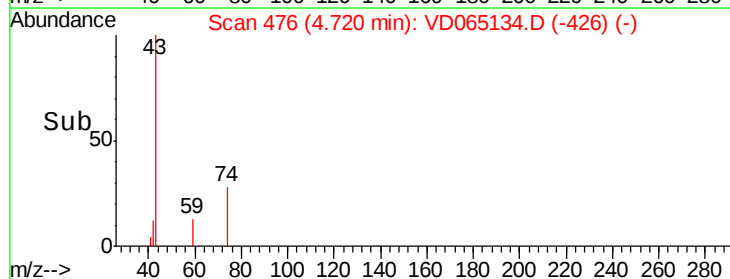
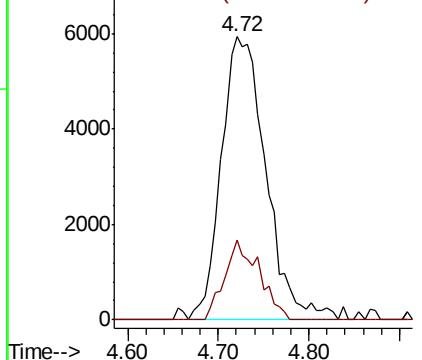
43 100

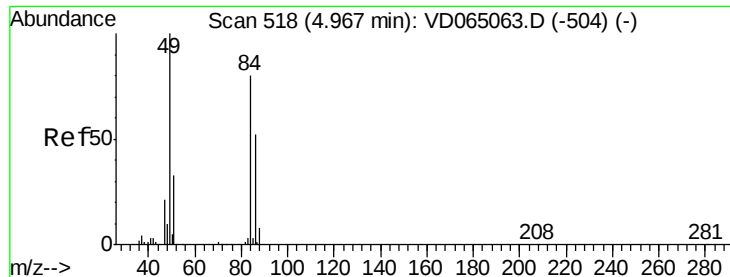
74 21.8 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

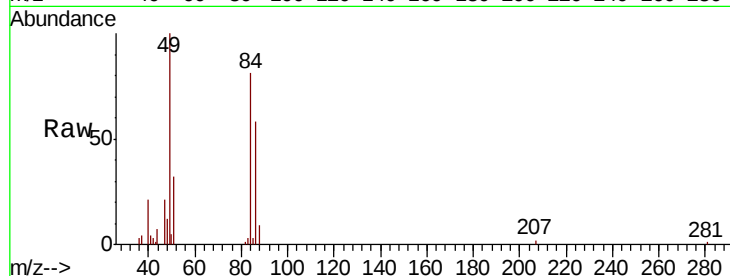




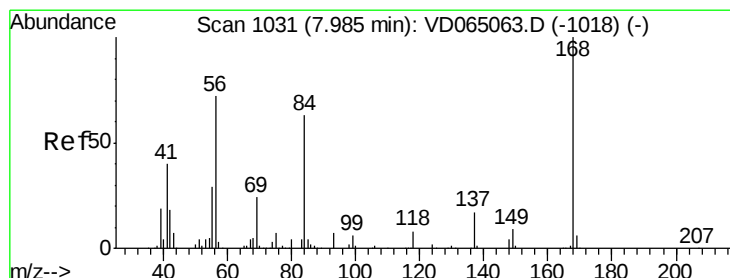
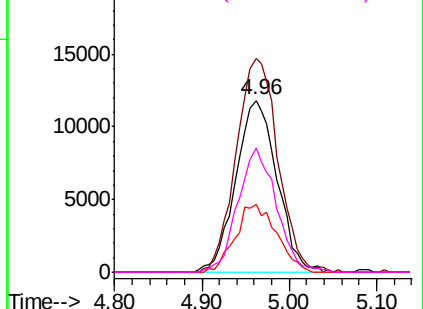
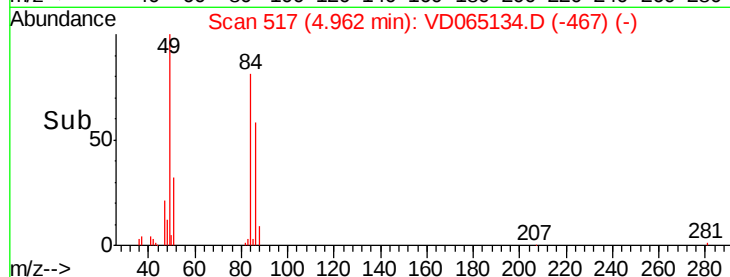
#20
Methvlene Chloride
Concen: 5.722 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065134.D
Acq: 10 Feb 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 37870
Ion Ratio Lower Upper
84 100
49 124.1 100.4 150.6
51 39.6 32.7 49.1
86 72.2 52.4 78.6

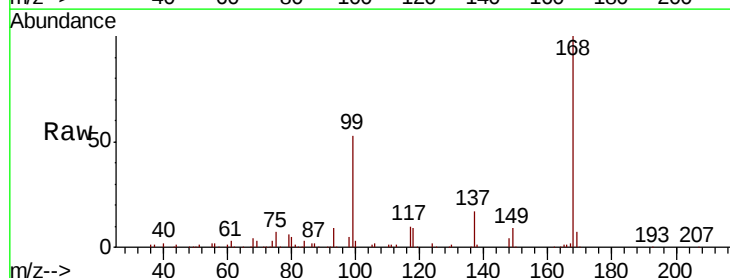


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

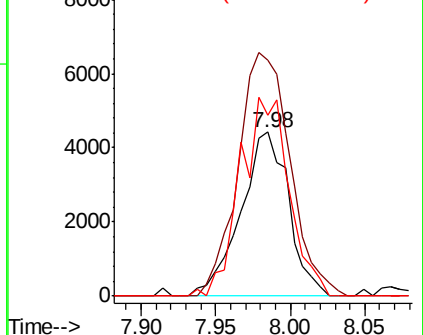
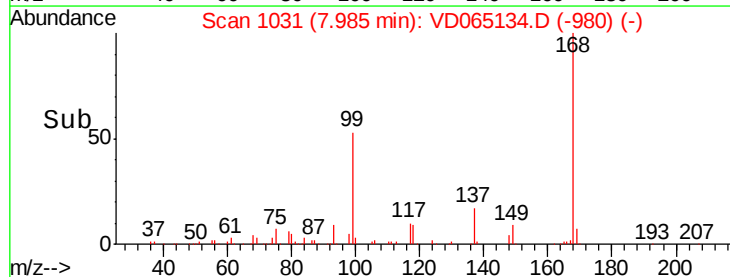


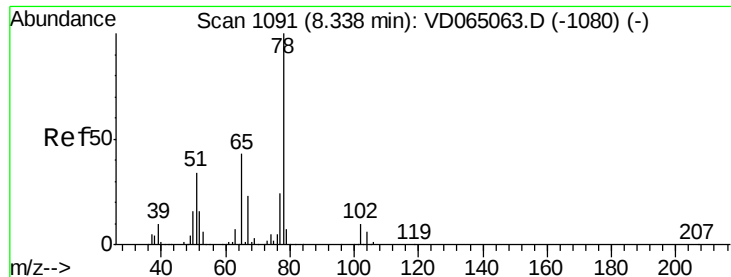
#31
Cyclohexane
Concen: 1.321 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065134.D
Acq: 10 Feb 2020 15:48

Tgt Ion: 56 Resp: 9811
Ion Ratio Lower Upper
56 100
69 144.3 26.6 40.0#
84 110.8 70.6 106.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 60.362 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065134.D

Acq: 10 Feb 2020 15:48

Instrument :

MSVOA_D

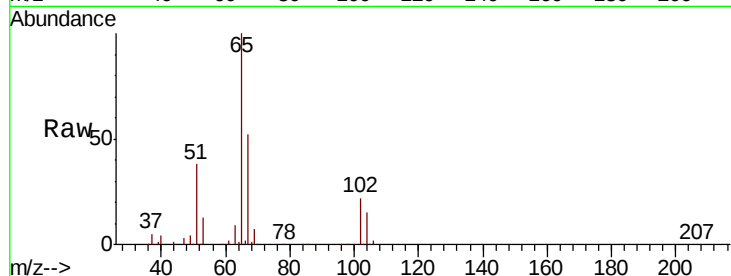
ClientSampled :

Tot Ion: 65 Resp: 225416

Ion Ratio Lower Upper

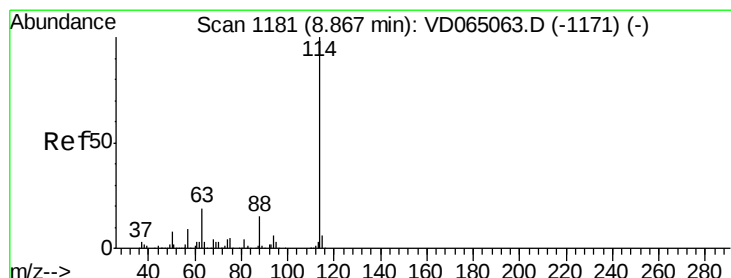
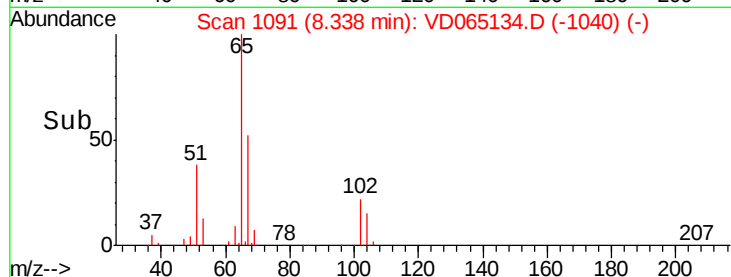
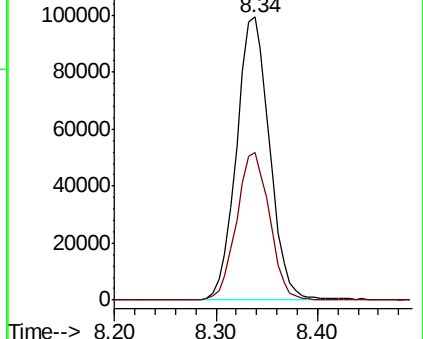
65 100

67 51.9 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065134.D

Acq: 10 Feb 2020 15:48

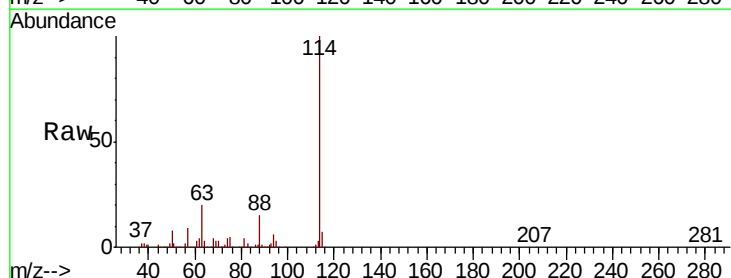
Tgt Ion: 114 Resp: 733384

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.8

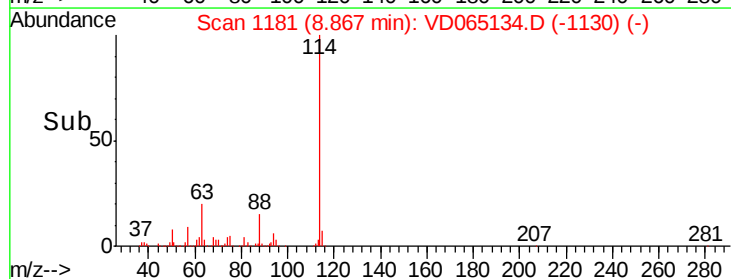
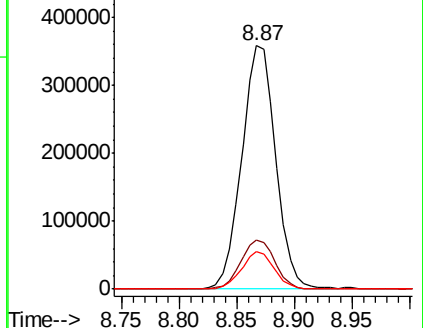
88 15.4 0.0 29.6

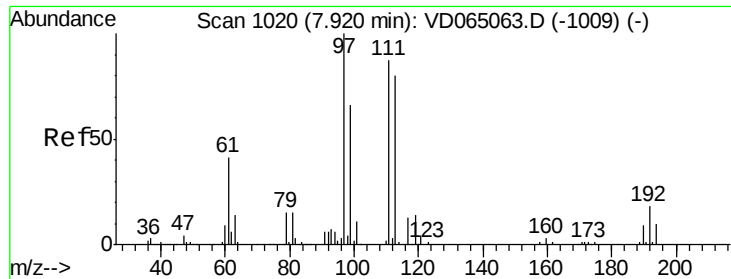


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

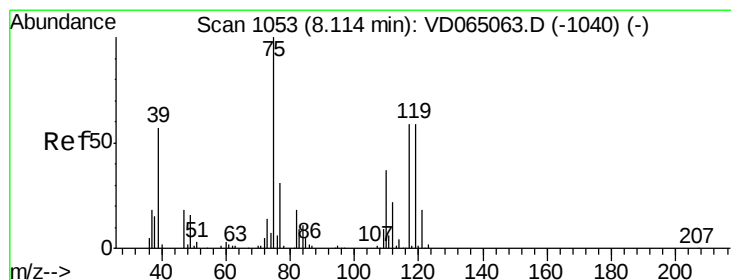
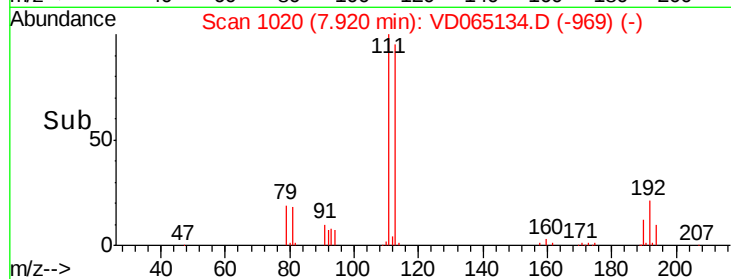
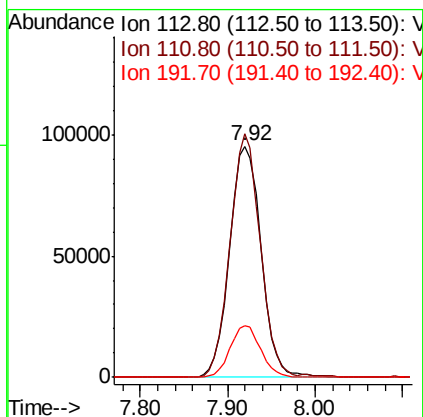
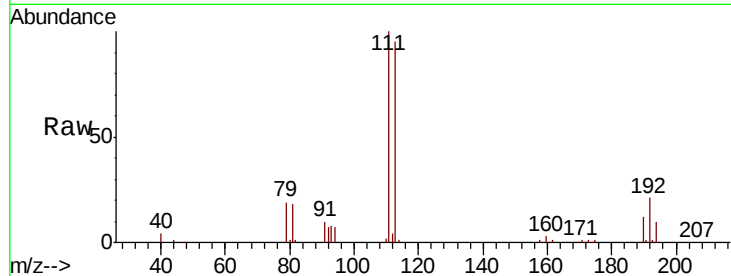




#35
 Dibromofluoromethane
 Concen: 57.099 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065134.D
 Acq: 10 Feb 2020 15:48

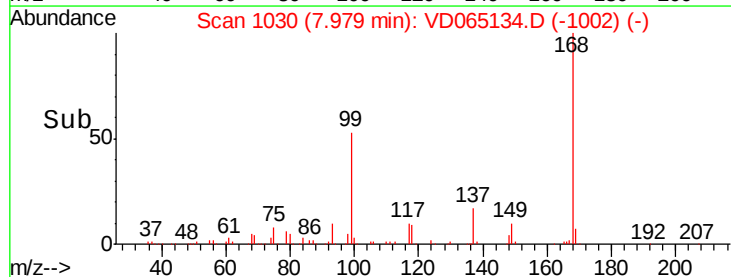
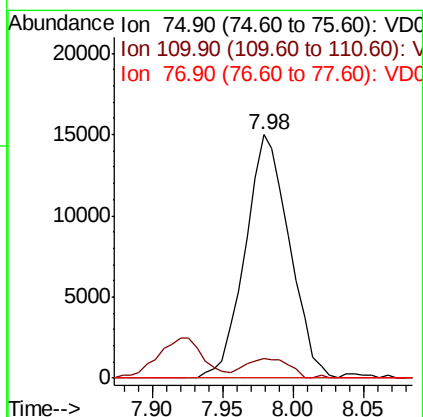
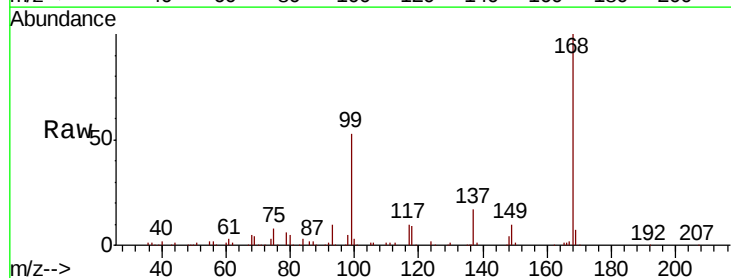
Instrument :
 MSVOA_D
 ClientSampled :

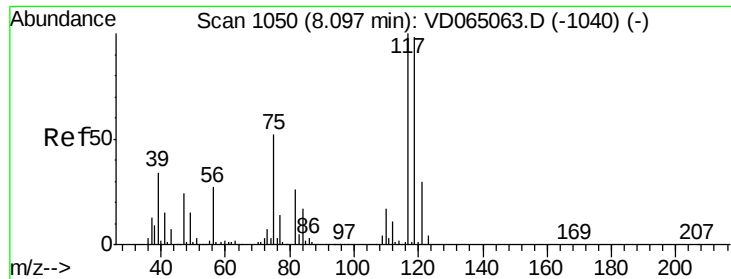
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	83.1	124.7
192	21.6	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 4.827 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065134.D
 Acq: 10 Feb 2020 15:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.1	54.3#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.071 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065134.D

Acq: 10 Feb 2020 15:48

Instrument :

MSVOA_D

ClientSampled :

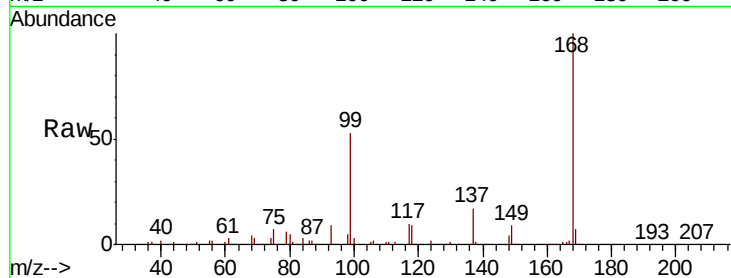
Tot Ion:117 Resp: 42283

Ion Ratio Lower Upper

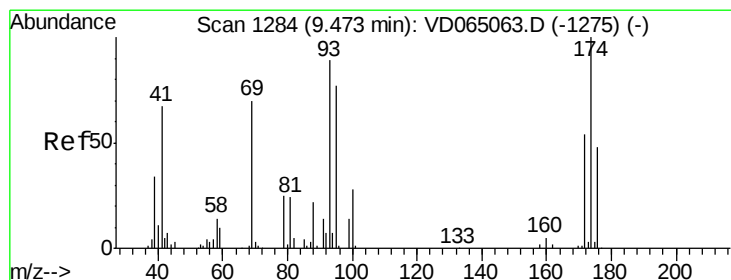
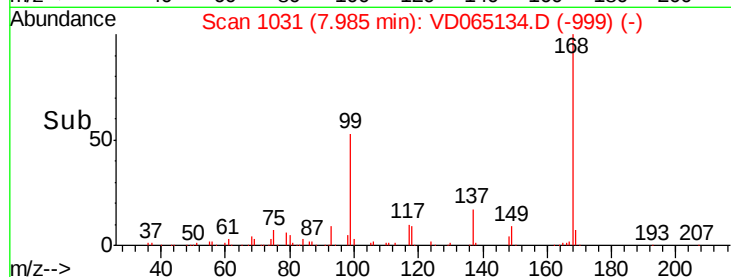
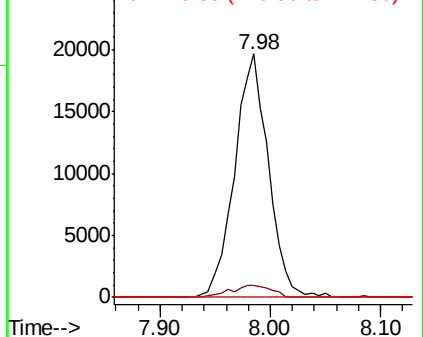
117 100

119 4.9 78.5 117.7#

121 0.0 23.8 35.6#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 3.309 ug/l

RT: 9.19 min Scan# 1236

Delta R.T. -0.28 min

Lab File: VD065134.D

Acq: 10 Feb 2020 15:48

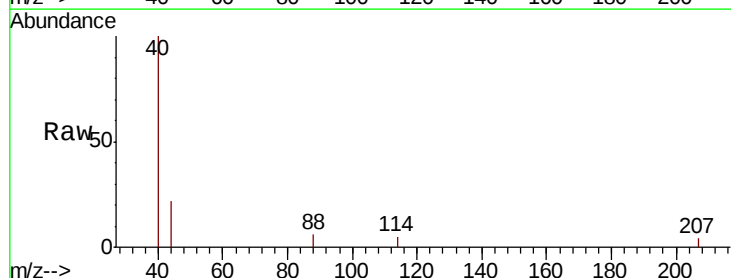
Tgt Ion: 88 Resp: 93

Ion Ratio Lower Upper

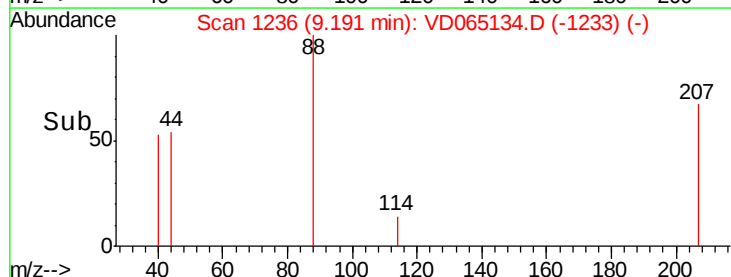
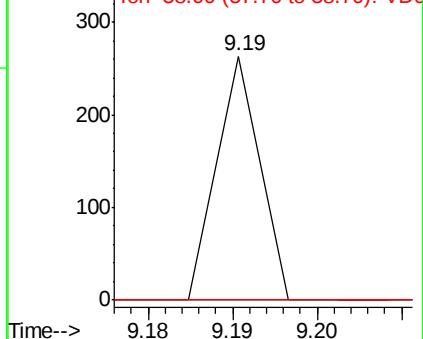
88 100

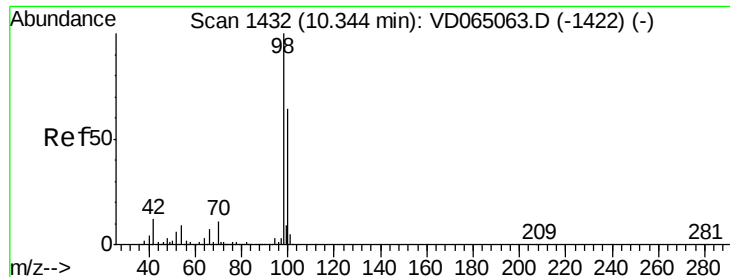
43 0.0 27.7 41.5#

58 0.0 55.5 83.3#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

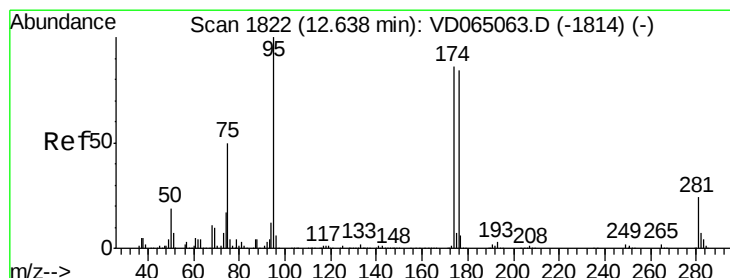
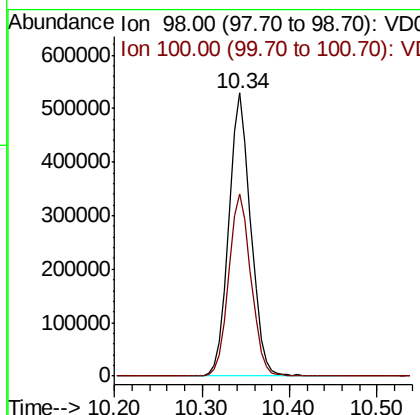
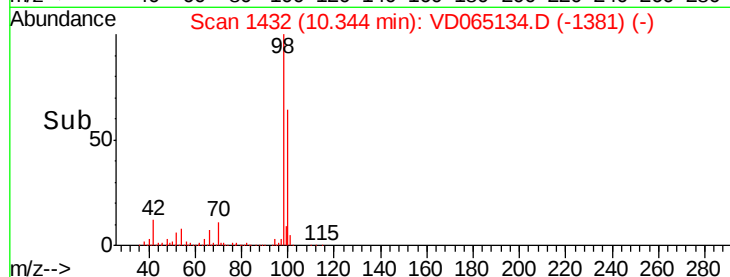
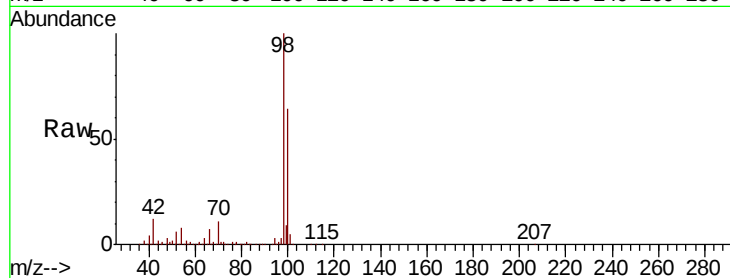




#50
Toluene-d8
Concen: 55.751 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065134.D
Acq: 10 Feb 2020 15:48

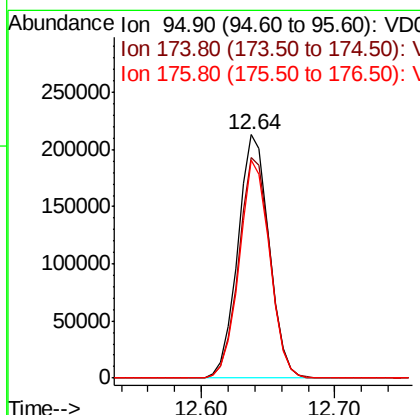
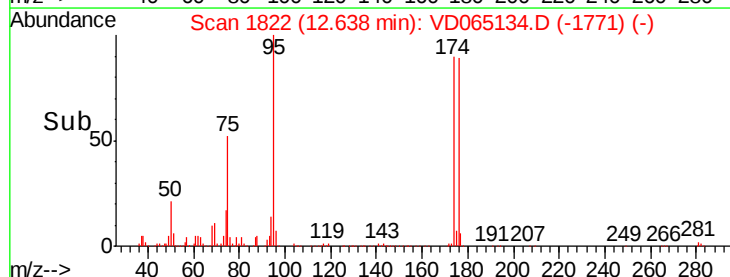
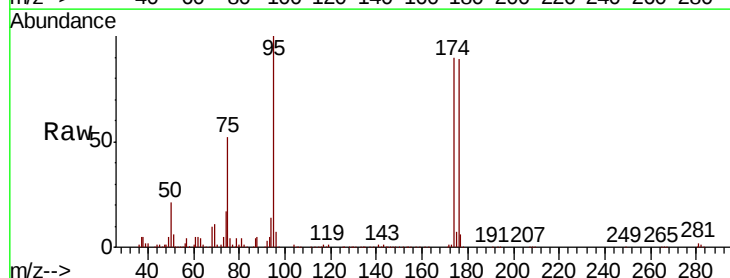
Instrument :
MSVOA_D
ClientSampleId :

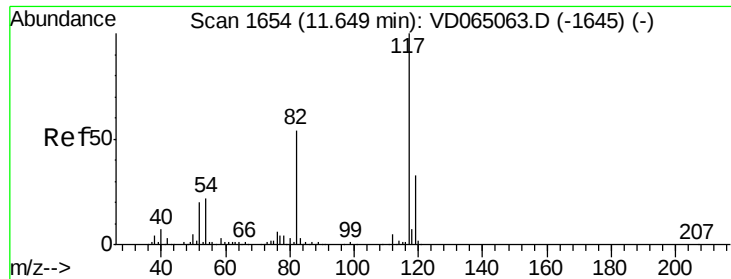
Tot Ion: 98 Resp: 908001
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 66.691 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065134.D
Acq: 10 Feb 2020 15:48

Tgt Ion: 95 Resp: 344168
Ion Ratio Lower Upper
95 100
174 90.5 0.0 180.0
176 87.3 0.0 173.2

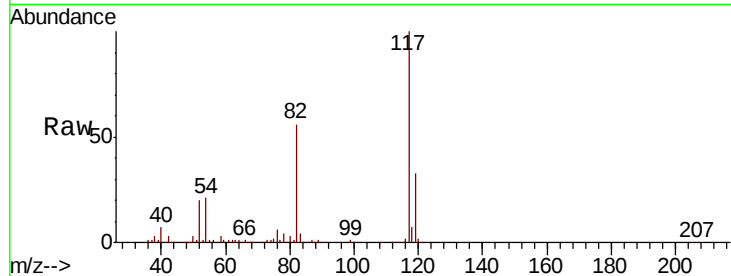




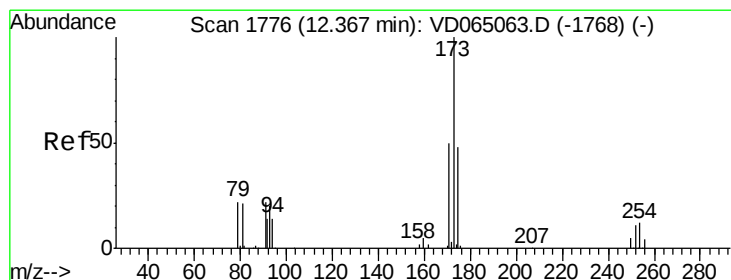
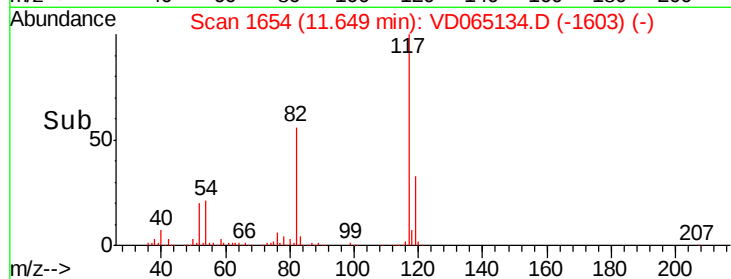
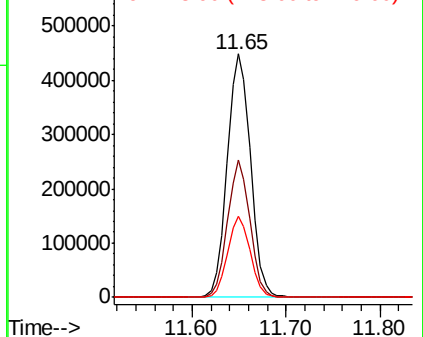
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065134.D
Acq: 10 Feb 2020 15:48

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:117 Resp: 771636
Ion Ratio Lower Upper
117 100
82 56.3 43.1 64.7
119 33.5 26.0 39.0

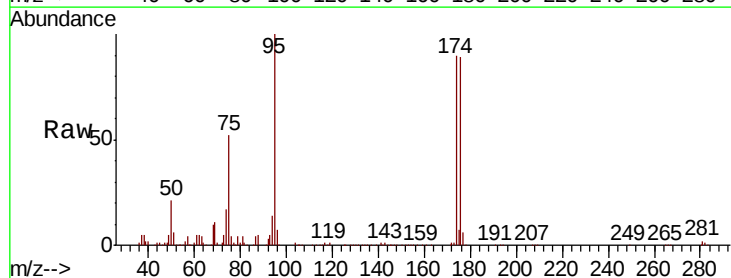


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VD
Ion 118.90 (118.60 to 119.60): V

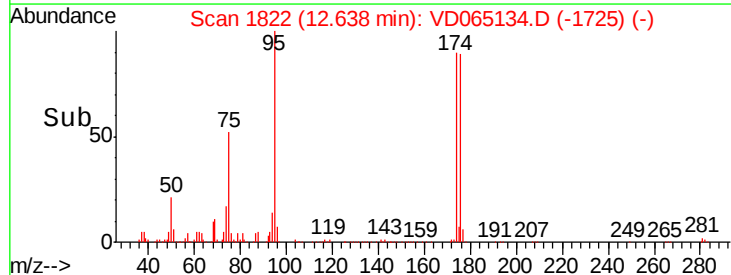
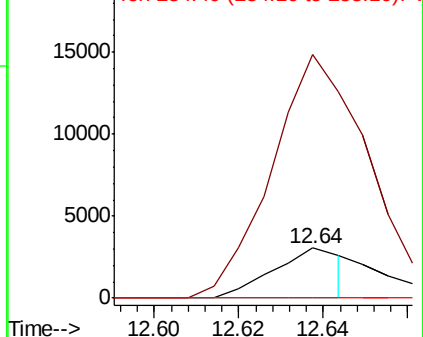


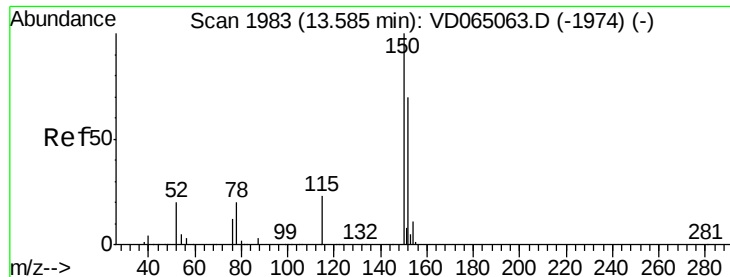
#71
Bromoform
Concen: 1.171 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD065134.D
Acq: 10 Feb 2020 15:48

Tgt Ion:173 Resp: 3472
Ion Ratio Lower Upper
173 100
175 496.2 24.3 72.8#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



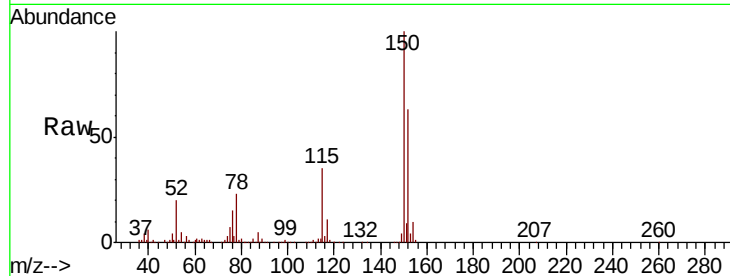


#72

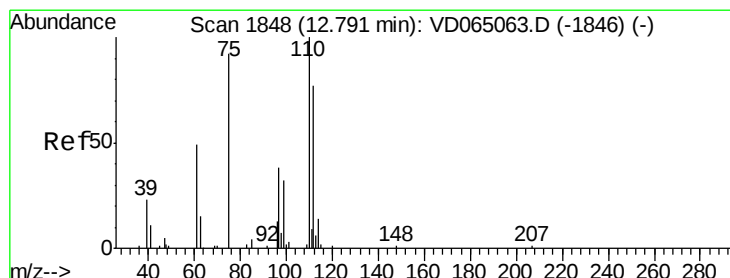
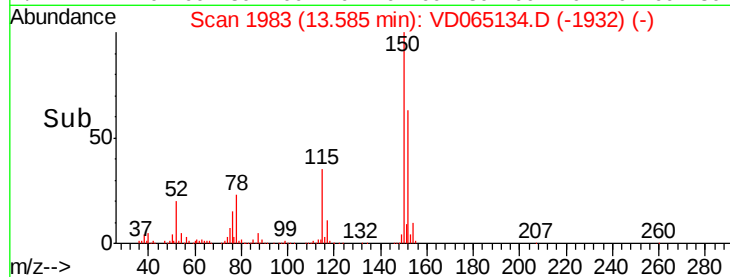
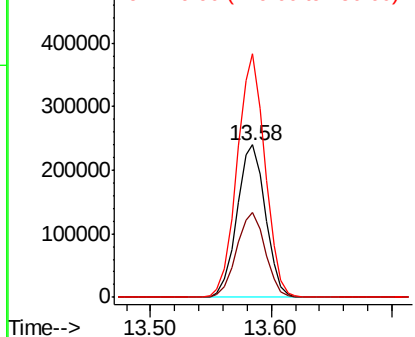
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065134.D
Acq: 10 Feb 2020 15:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 394268
Ion Ratio Lower Upper
152 100
115 55.8 27.5 82.4
150 156.0 0.0 343.2



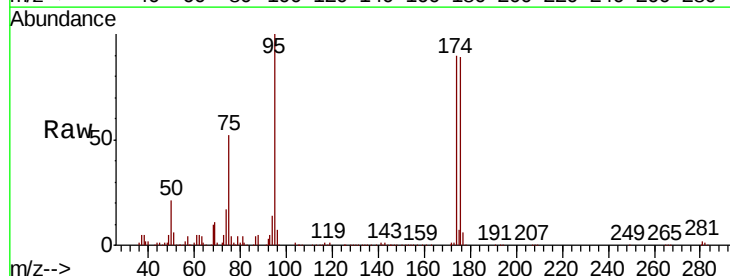
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



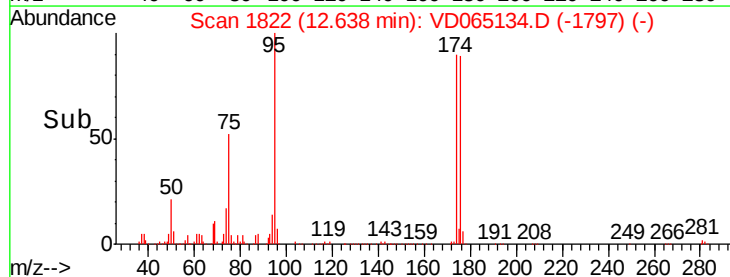
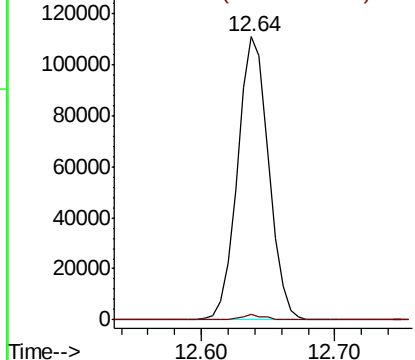
#76

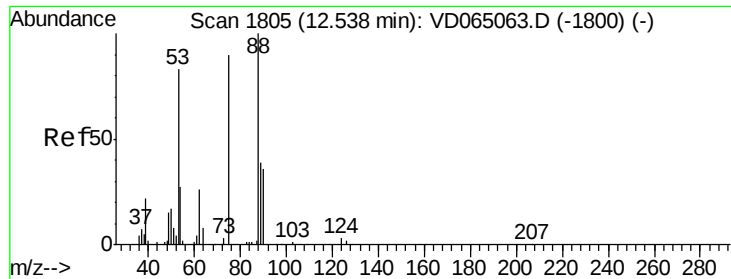
1,2,3-Trichloropropane
Concen: 59.502 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065134.D
Acq: 10 Feb 2020 15:48

Tgt Ion: 75 Resp: 177615
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 118.999 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065134.D

Acq: 10 Feb 2020 15:48

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 177615

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 37.0 55.4#

