

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021120\
 Data File : VD065152.D
 Acq On : 11 Feb 2020 19:01
 Operator : VA/SY
 Sample : L1491-07
 Misc : 7.12G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 12 06:59:25 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	523610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	847429	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	892490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	448382	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	237404	53.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.70%	
35) Dibromofluoromethane	7.92	113	258908	54.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.52%	
50) Toluene-d8	10.34	98	1041048	55.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.64%	
62) 4-Bromofluorobenzene	12.64	95	402297	67.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	134.92%	

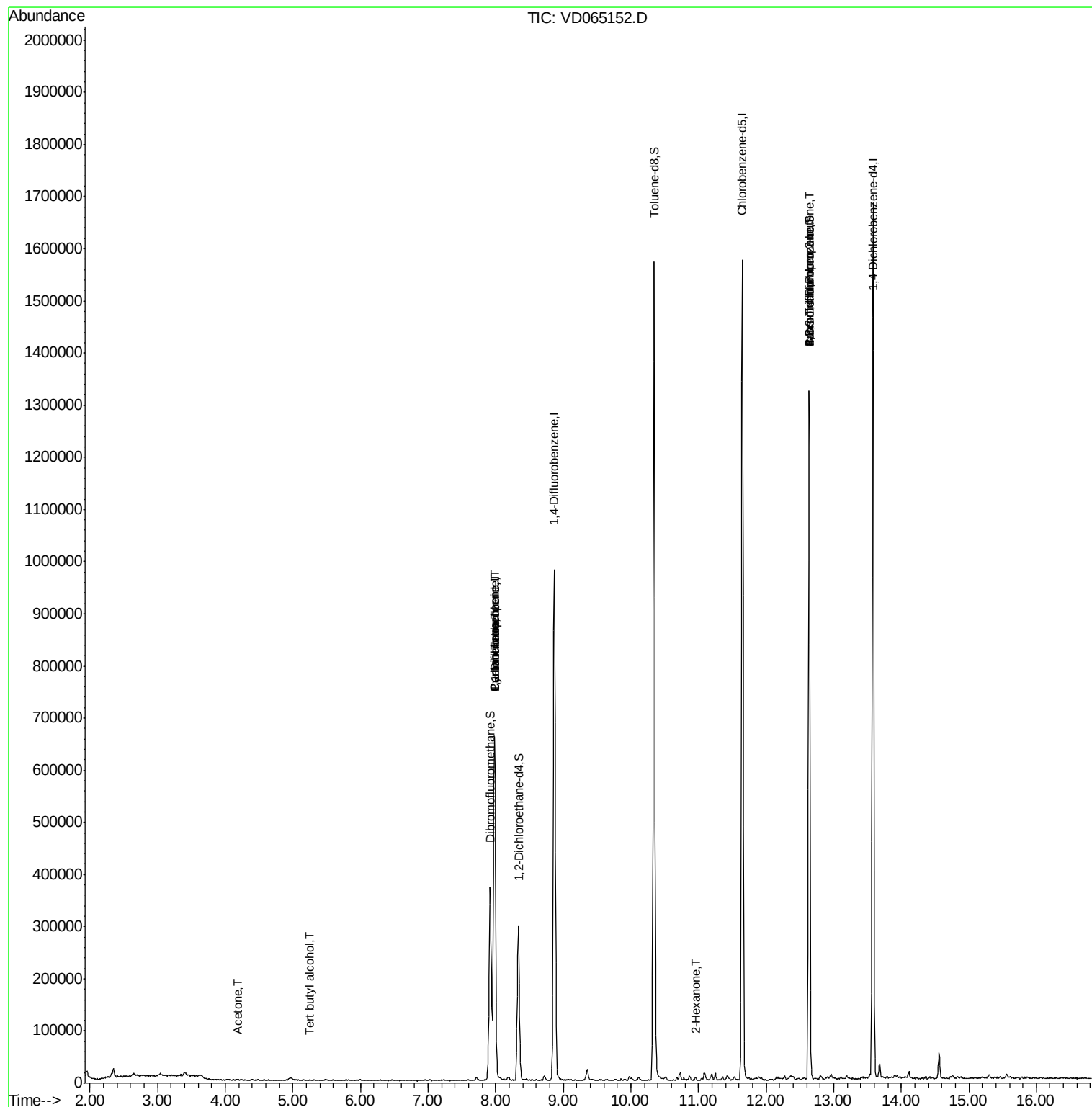
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	424	1.559	ug/l #	71
16) Acetone	4.17	43	2929	2.632	ug/l #	87
20) Methylene Chloride	4.97	84	3326	Below Cal	#	58
31) Cyclohexane	7.98	56	12277	1.387	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	38390	4.872	ug/l #	50
38) Carbon Tetrachloride	7.98	117	50046	6.219	ug/l #	15
59) 2-Hexanone	10.96	43	2360	1.099	ug/l #	26
71) Bromoform	12.64	173	3633	1.059	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	206194	60.740	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	206194	121.474	ug/l #	10

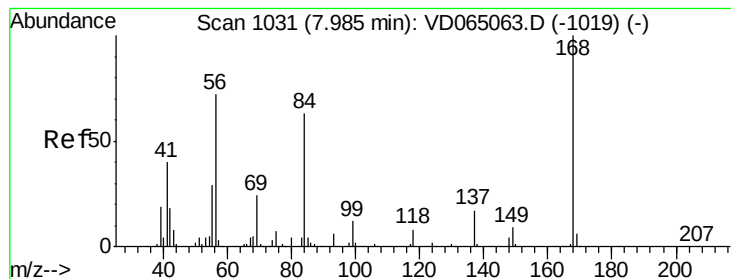
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021120\
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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: VD065152.D

Acq: 11 Feb 2020 19:01

Instrument :

MSVOA_D

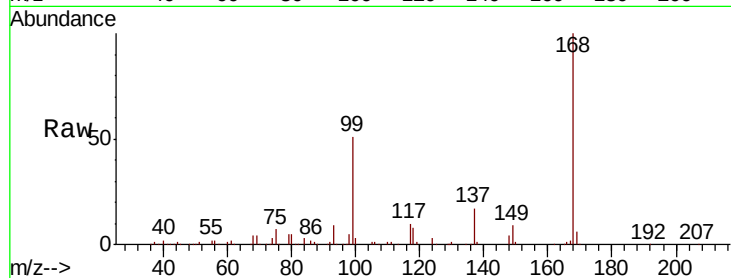
ClientSampleId :

Tot Ion:168 Resp: 523610

Ion Ratio Lower Upper

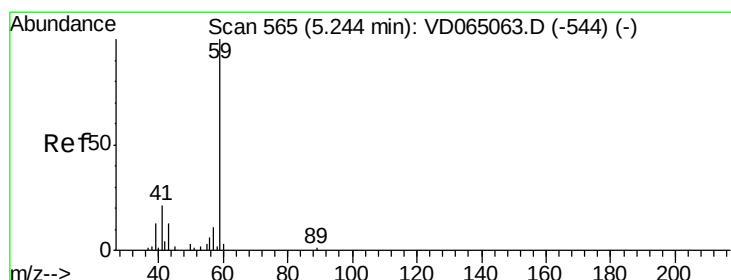
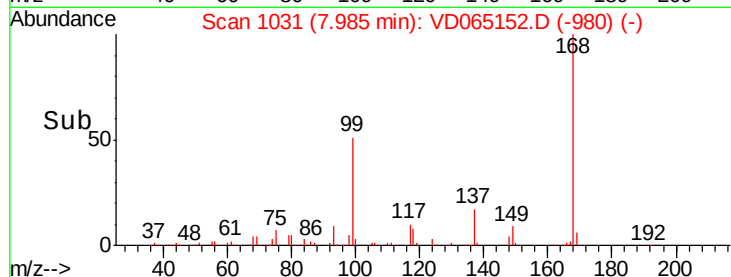
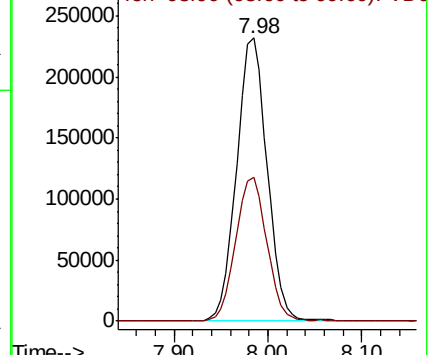
168 100

99 50.8 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 1.559 ug/l

RT: 5.24 min Scan# 565

Delta R.T. 0.00 min

Lab File: VD065152.D

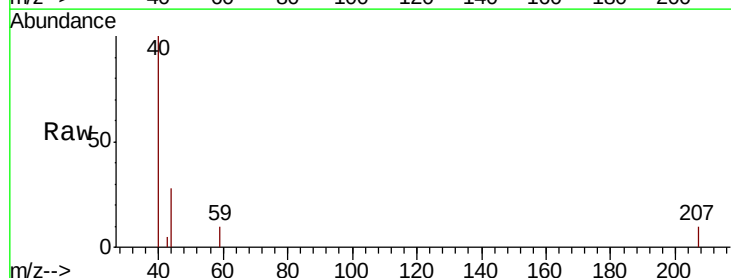
Acq: 11 Feb 2020 19:01

Tgt Ion: 59 Resp: 424

Ion Ratio Lower Upper

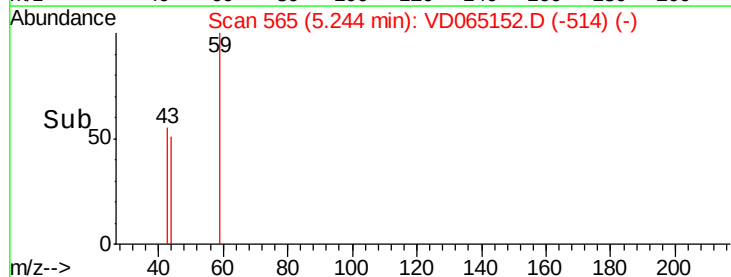
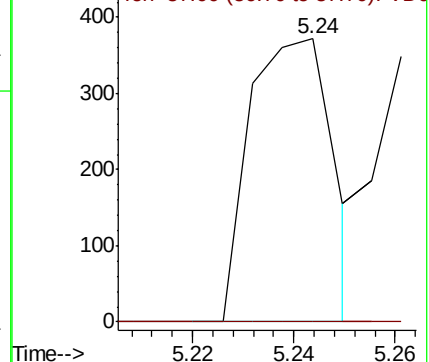
59 100

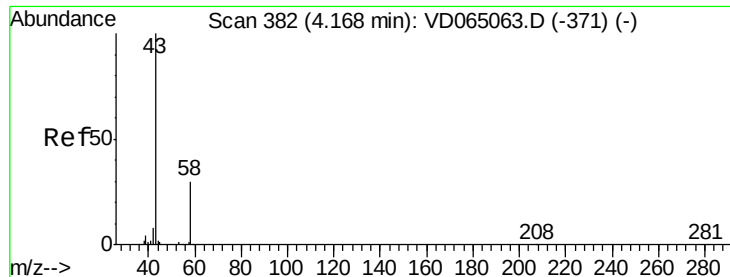
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 2.632 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065152.D

Acq: 11 Feb 2020 19:01

Instrument :

MSVOA_D

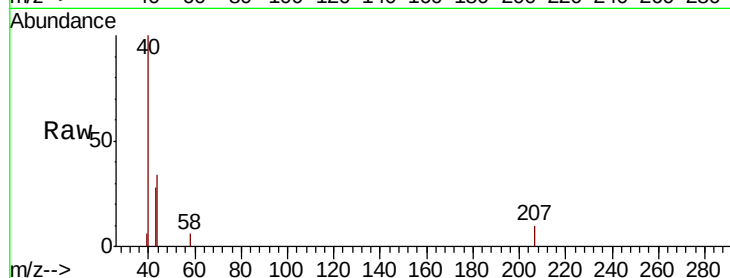
ClientSampleId :

Tot Ion: 43 Resp: 2929

Ion Ratio Lower Upper

43 100

58 22.2 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

1200

1000

800

600

400

200

0

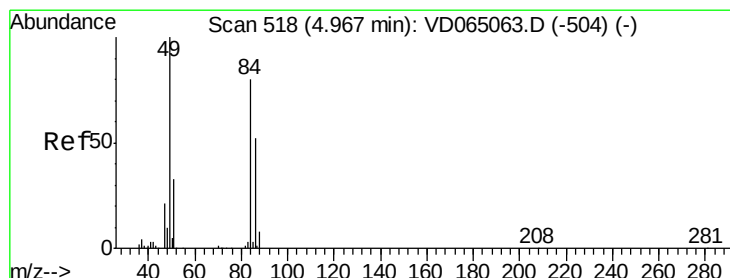
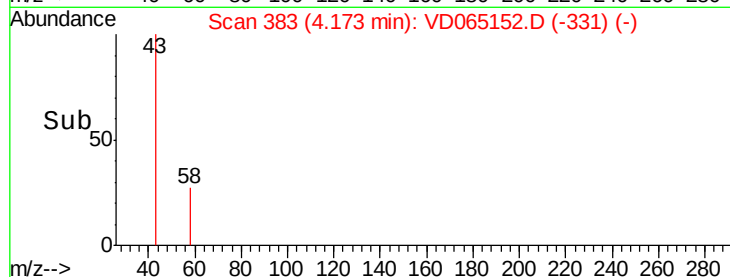
4.10

4.15

4.20

4.25

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD065152.D

Acq: 11 Feb 2020 19:01

Tgt Ion: 84 Resp: 3326

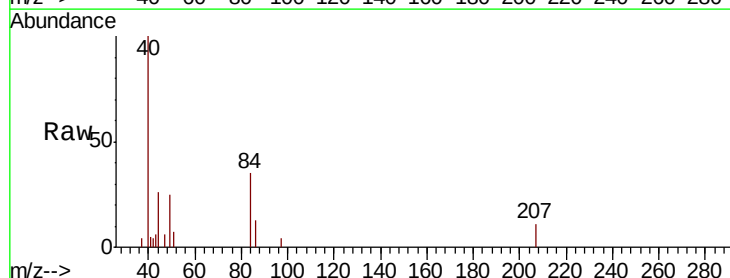
Ion Ratio Lower Upper

84 100

49 70.5 100.4 150.6#

51 20.3 32.7 49.1#

86 37.3 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

2000

1500

1000

500

0

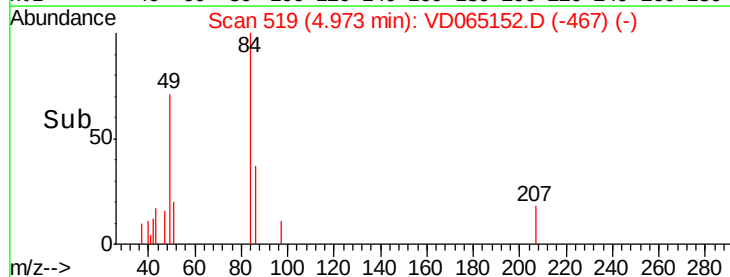
4.90

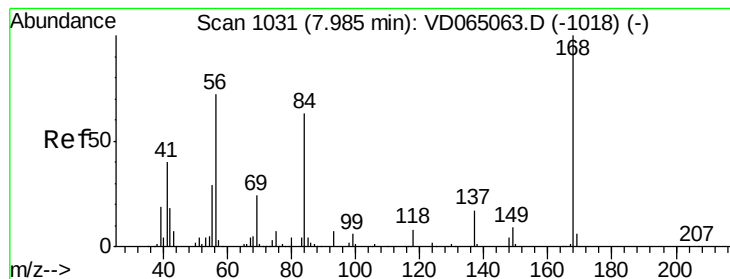
4.95

5.00

5.05

Time-->





#31

Cyclohexane

Concen: 1.387 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065152.D

Acq: 11 Feb 2020 19:01

Instrument :
MSVOA_D
ClientSampleId :

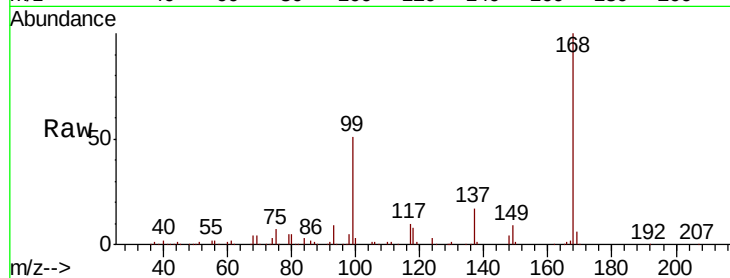
Tot Ion: 56 Resp: 12277

Ion Ratio Lower Upper

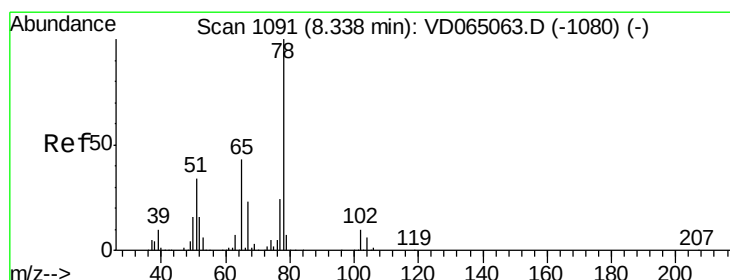
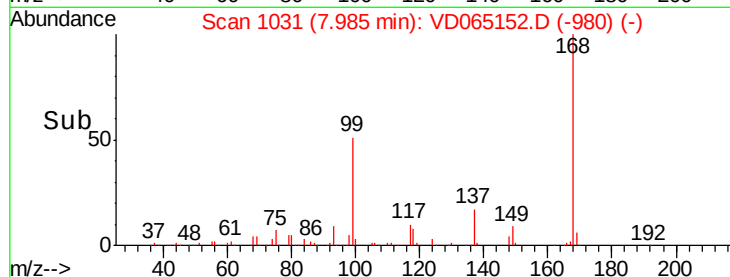
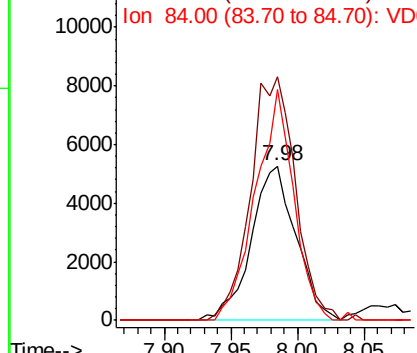
56 100

69 158.0 26.6 40.0#

84 150.0 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: 53.346 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065152.D

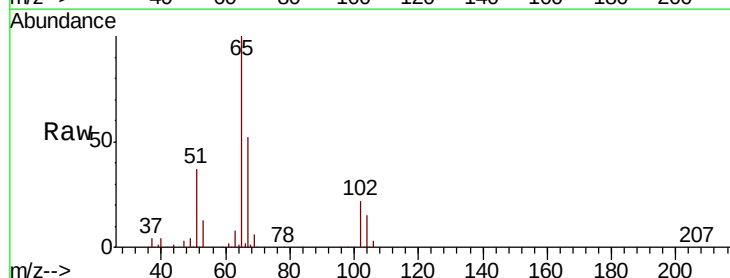
Acq: 11 Feb 2020 19:01

Tgt Ion: 65 Resp: 237404

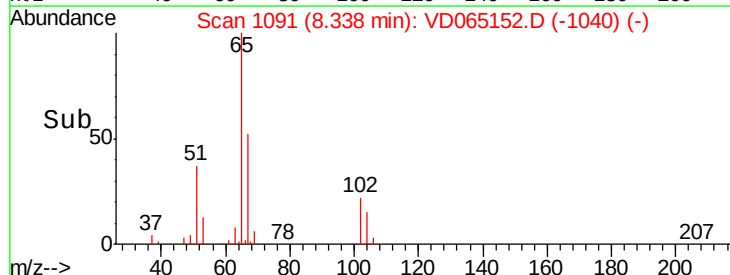
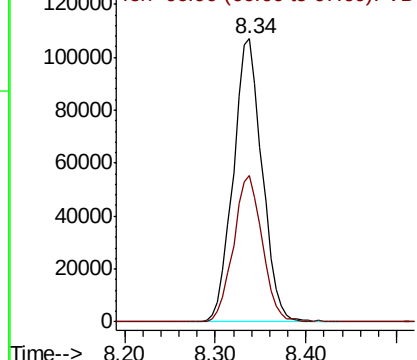
Ion Ratio Lower Upper

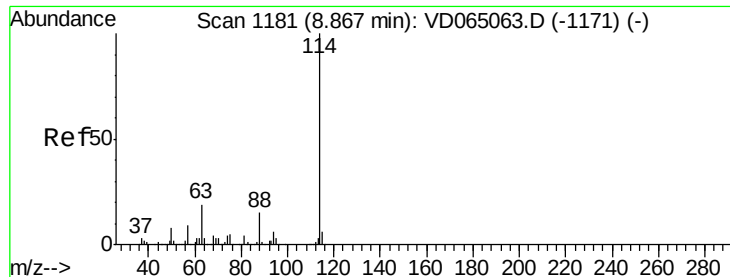
65 100

67 51.5 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

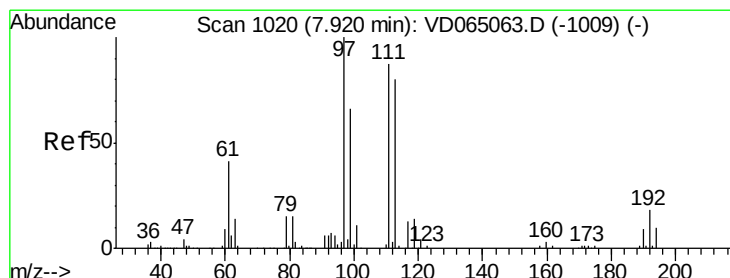
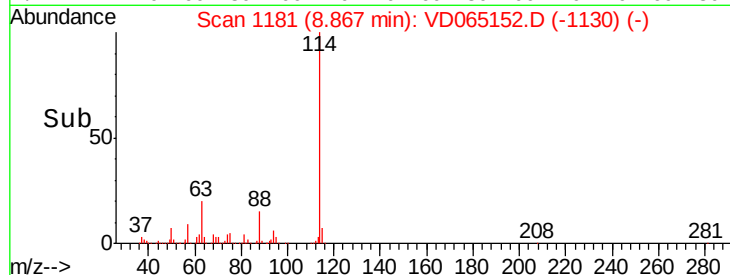
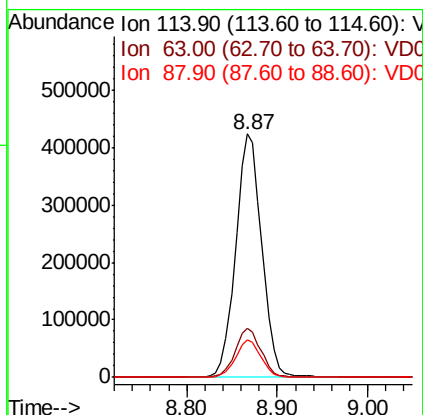
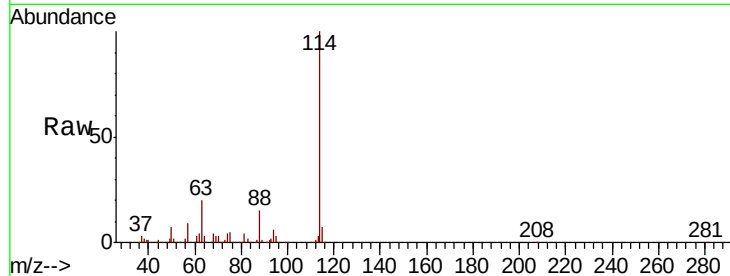




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065152.D
 Acq: 11 Feb 2020 19:01

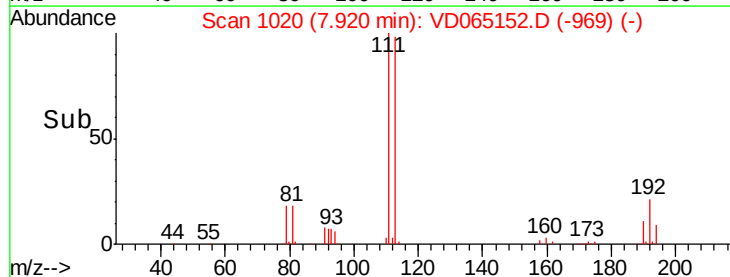
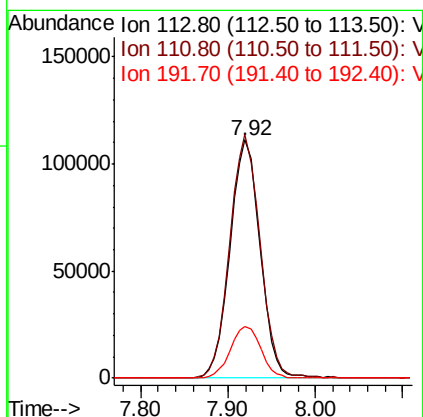
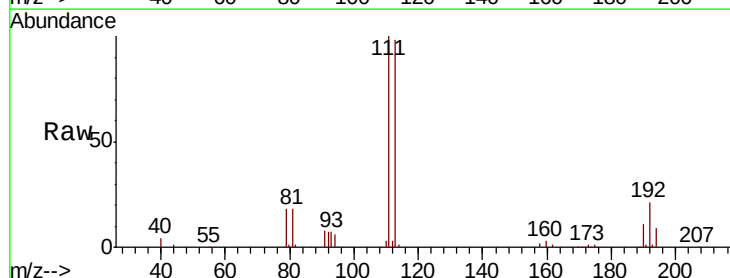
Instrument :
 MSVOA_D
 ClientSampled :

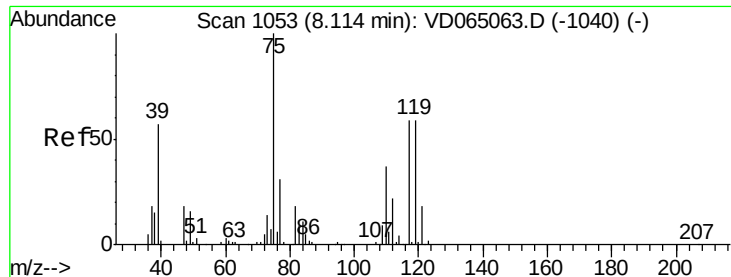
Tot Ion:114 Resp: 847429
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 38.8
 88 15.2 0.0 29.6



#35
 Dibromofluoromethane
 Concen: 54.759 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065152.D
 Acq: 11 Feb 2020 19:01

Tgt Ion:113 Resp: 258908
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.1 124.7
 192 22.1 18.1 27.1

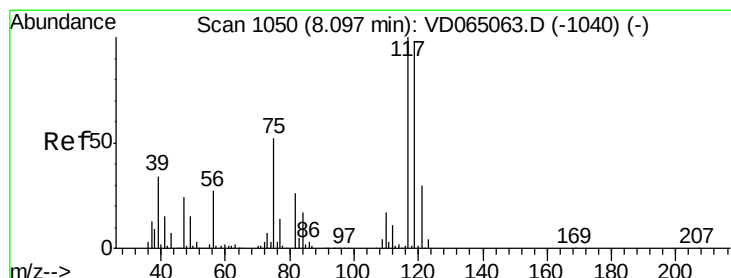
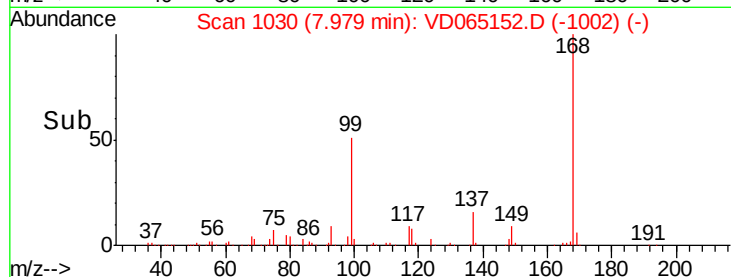
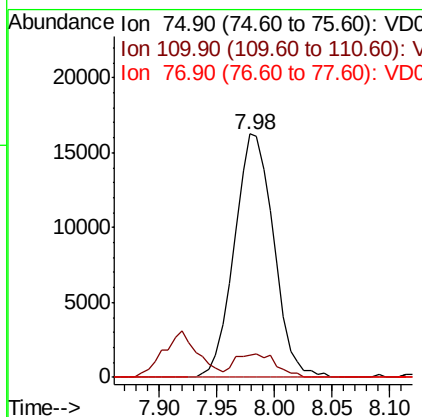
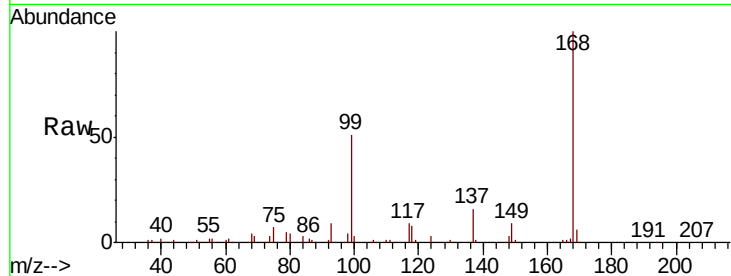




#36
 1,1-Dichloropropene
 Concen: 4.872 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065152.D
 Acq: 11 Feb 2020 19:01

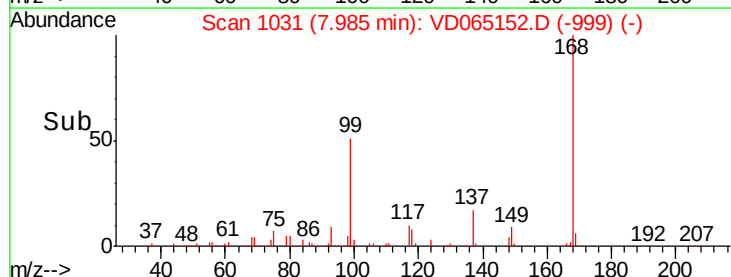
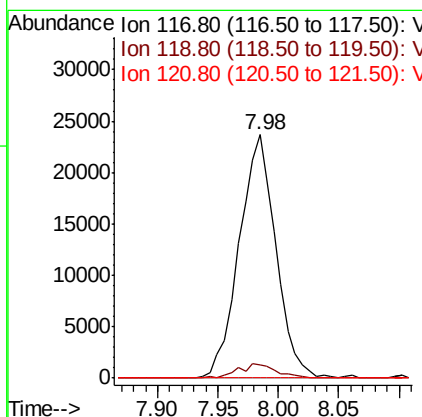
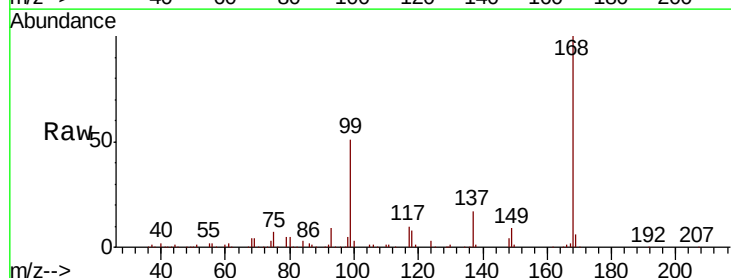
Instrument :
 MSVOA_D
 ClientSampled :

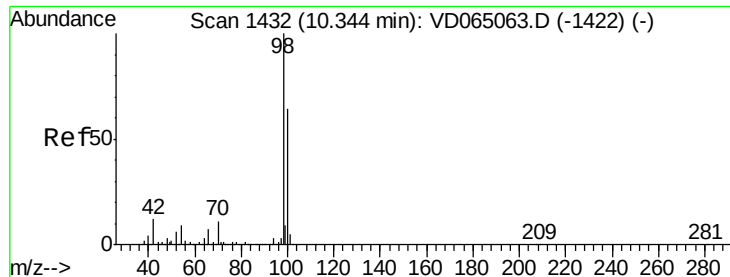
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.1	54.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.219 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065152.D
 Acq: 11 Feb 2020 19:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	78.5	117.7#
121	0.0	23.8	35.6#

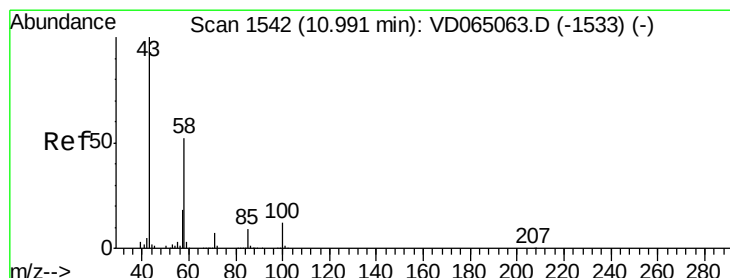
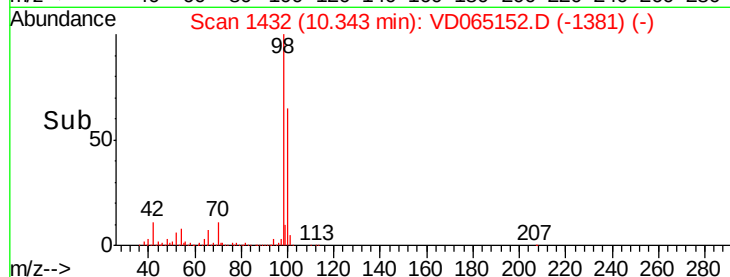
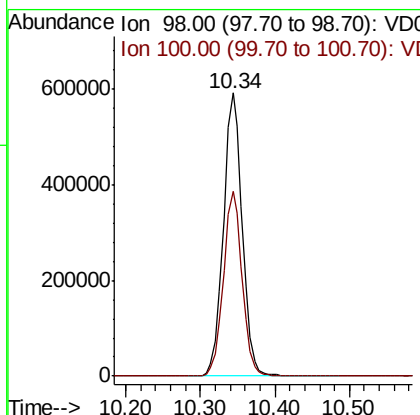
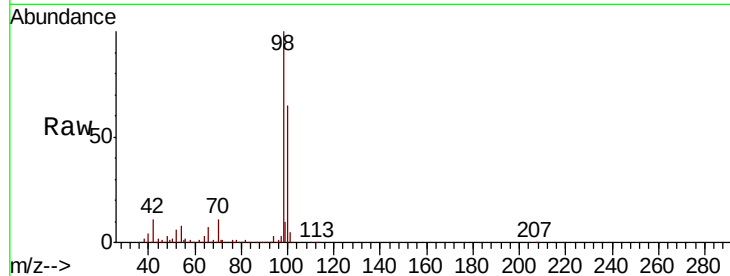




#50
Toluene-d8
Concen: 55.318 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065152.D
Acq: 11 Feb 2020 19:01

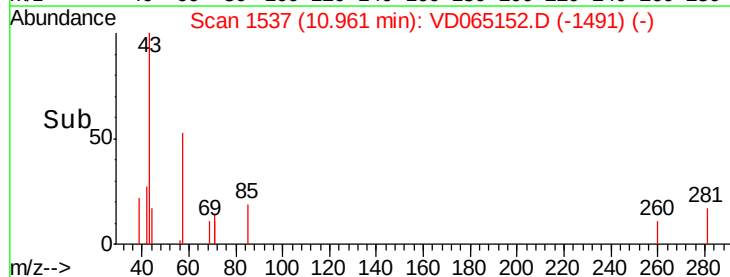
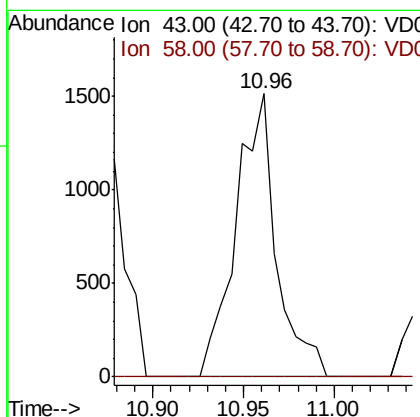
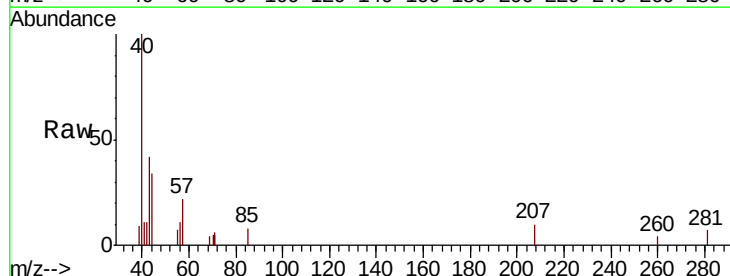
Instrument :
MSVOA_D
ClientSampleId :

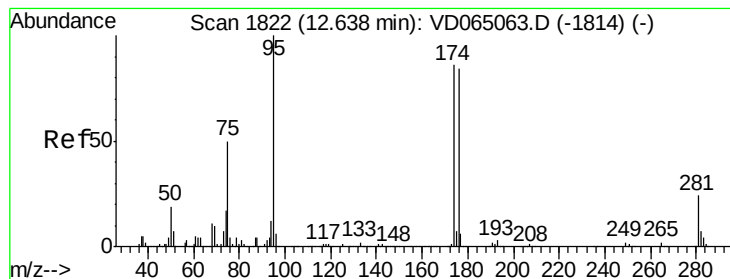
Tot Ion: 98 Resp: 1041048
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



#59
2-Hexanone
Concen: 1.099 ug/l
RT: 10.96 min Scan# 1537
Delta R.T. -0.03 min
Lab File: VD065152.D
Acq: 11 Feb 2020 19:01

Tgt Ion: 43 Resp: 2360
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.6#





#62

4-Bromofluorobenzene

Concen: 67.464 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065152.D

Acq: 11 Feb 2020 19:01

Instrument :

MSVOA_D

ClientSampleId :

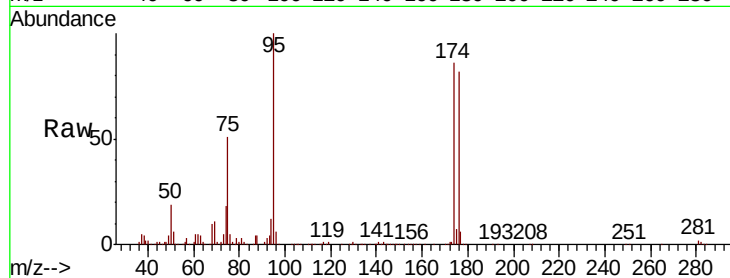
Tot Ion: 95 Resp: 402297

Ion Ratio Lower Upper

95 100

174 89.9 0.0 180.0

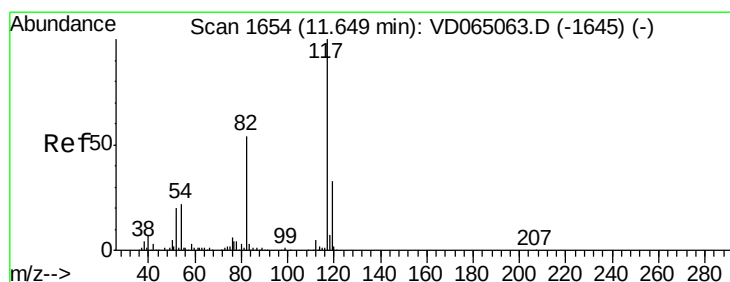
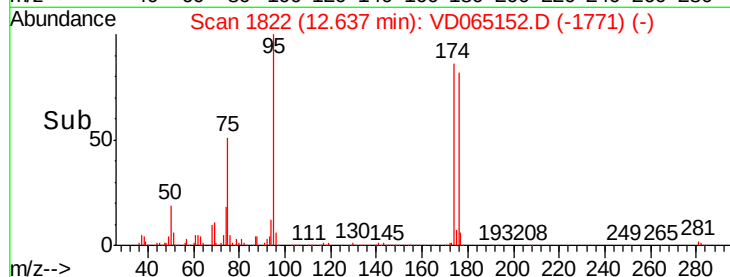
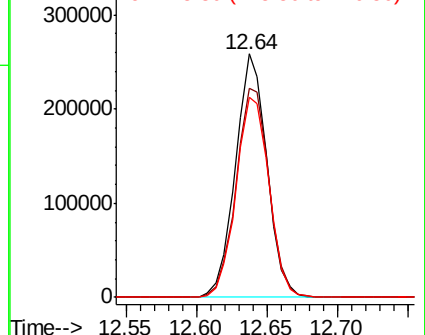
176 86.2 0.0 173.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD065152.D

Acq: 11 Feb 2020 19:01

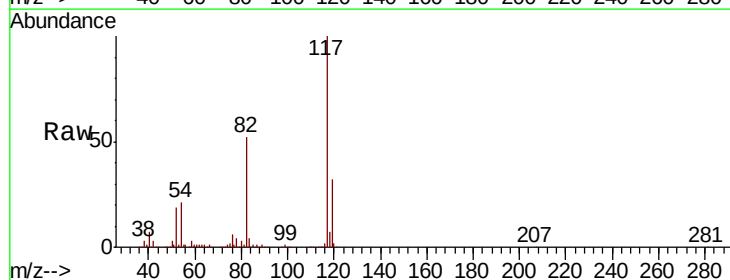
Tgt Ion: 117 Resp: 892490

Ion Ratio Lower Upper

117 100

82 52.2 43.1 64.7

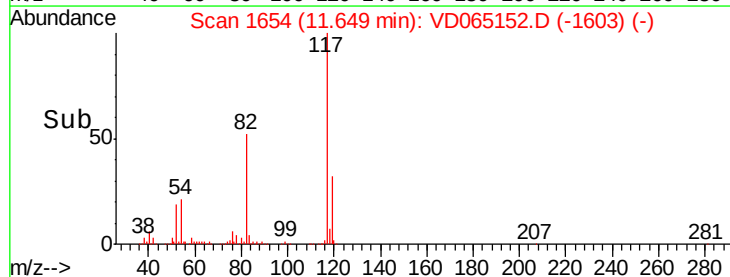
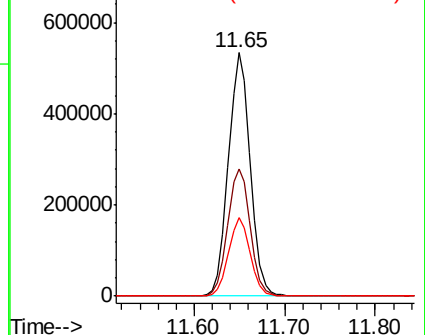
119 32.4 26.0 39.0

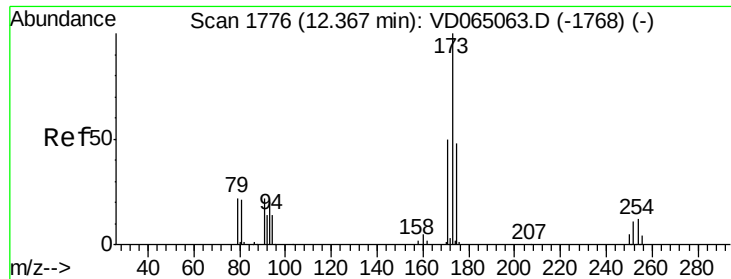


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 1.059 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD065152.D

Acq: 11 Feb 2020 19:01

Instrument :

MSVOA_D

ClientSampled :

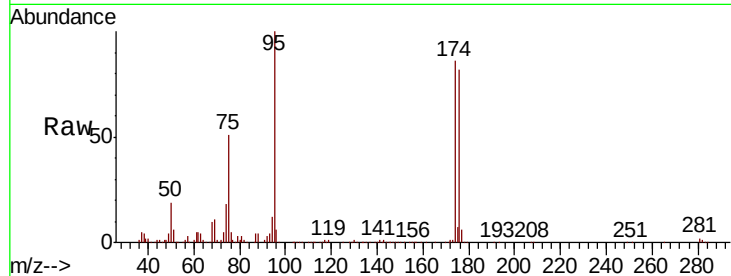
Tot Ion:173 Resp: 3633

Ion Ratio Lower Upper

173 100

175 566.3 24.3 72.8#

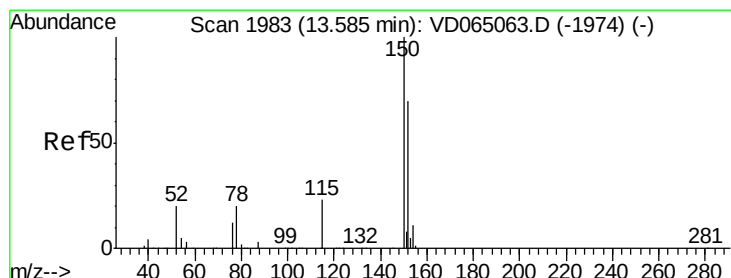
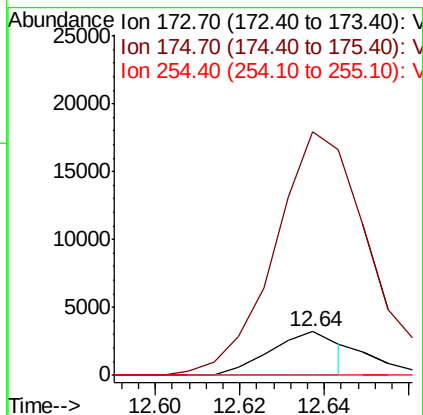
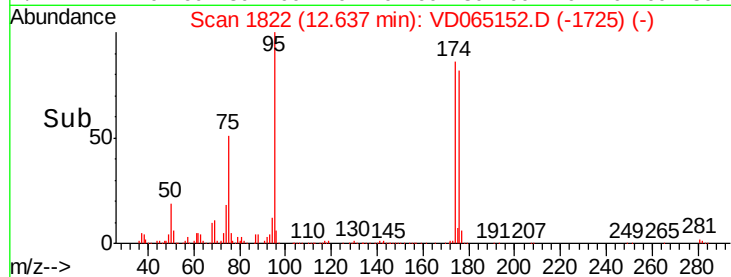
254 0.0 0.1 0.1#



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: VD065152.D

Acq: 11 Feb 2020 19:01

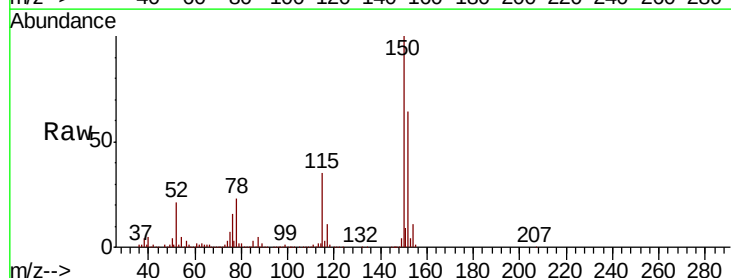
Tgt Ion:152 Resp: 448382

Ion Ratio Lower Upper

152 100

115 56.0 27.5 82.4

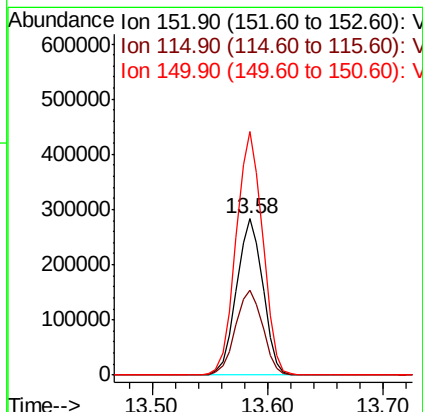
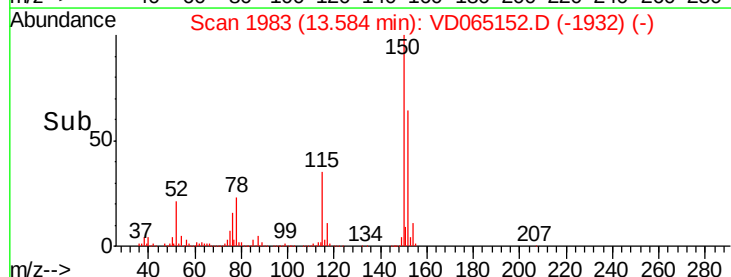
150 156.8 0.0 343.2

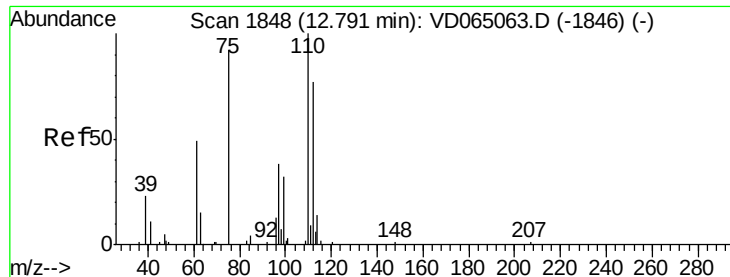


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 60.740 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065152.D

Acq: 11 Feb 2020 19:01

Instrument :

MSVOA_D

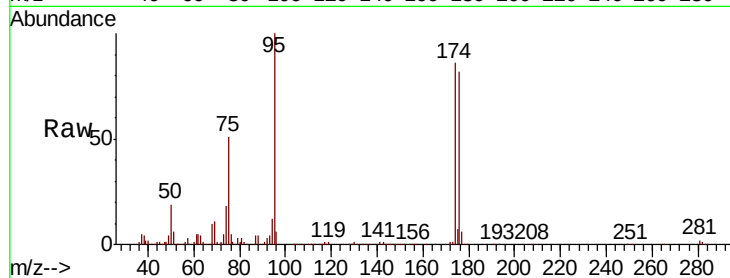
ClientSampled :

Tot Ion: 75 Resp: 206194

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

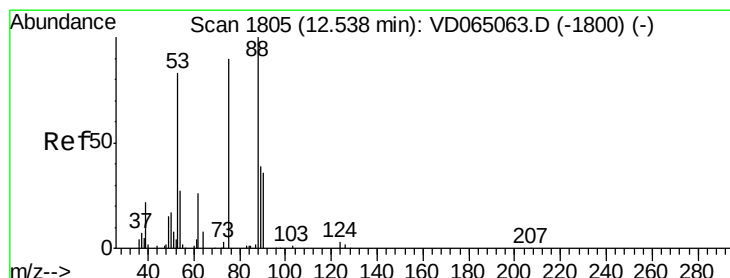
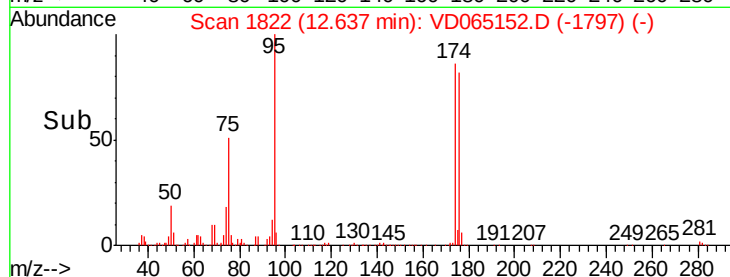
150000

100000

50000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 121.474 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065152.D

Acq: 11 Feb 2020 19:01

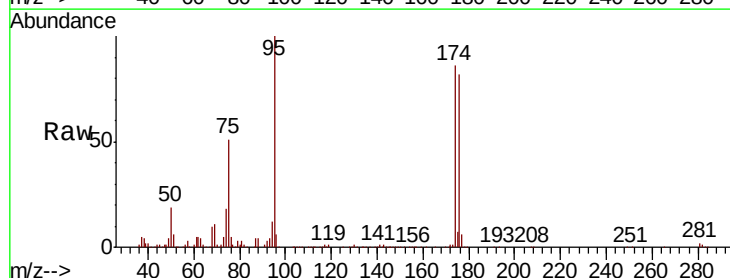
Tgt Ion: 75 Resp: 206194

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

150000

100000

50000

0

Time--> 12.55 12.60 12.65 12.70

