

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030920\
 Data File : VD065451.D
 Acq On : 09 Mar 2020 15:51
 Operator : VA/SY
 Sample : L1844-07
 Misc : 8.23G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 10 12:22:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	507085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	903720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	828748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	340803	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	275538	63.35	ug/l	0.00
Spiked Amount			Recovery	=	126.70%	
35) Dibromofluoromethane	7.92	113	297936	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	
50) Toluene-d8	10.34	98	1090272	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.64	95	312650	47.24	ug/l	0.00
Spiked Amount			Recovery	=	94.48%	

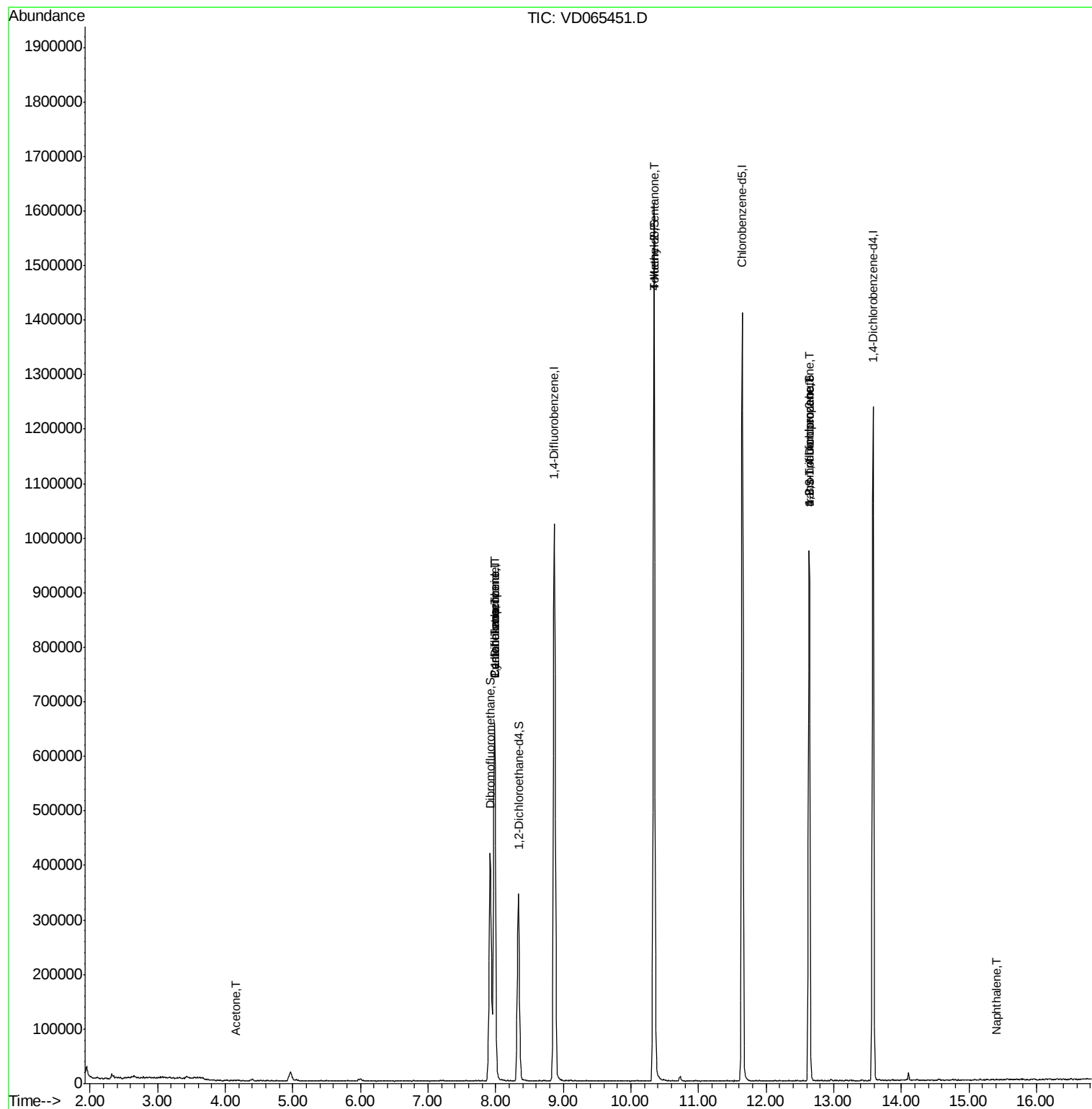
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	413	Below Cal	#	71
16) Acetone	4.17	43	2143	2.436	ug/l	89
20) Methylene Chloride	4.97	84	13300	Below Cal	#	77
31) Cyclohexane	7.98	56	9779	1.132	ug/l #	2
36) 1,1-Dichloropropene	7.98	75	35576	4.107	ug/l #	48
38) Carbon Tetrachloride	7.98	117	47102	5.243	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	3985	1.281	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	150691	56.035	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	150691	118.251	ug/l #	14
95) Naphthalene	15.41	128	504	4.449	ug/l #	69

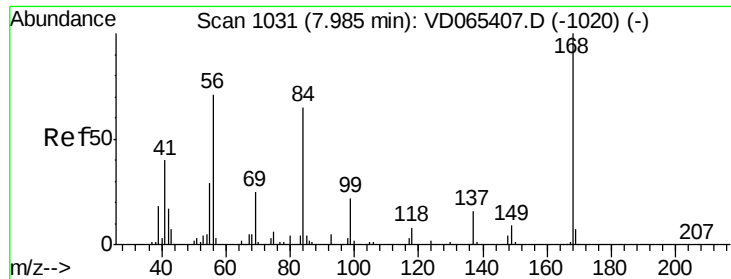
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030920\
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Quant Time: Mar 10 12:22:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 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: VD065451.D

Acq: 09 Mar 2020 15:51

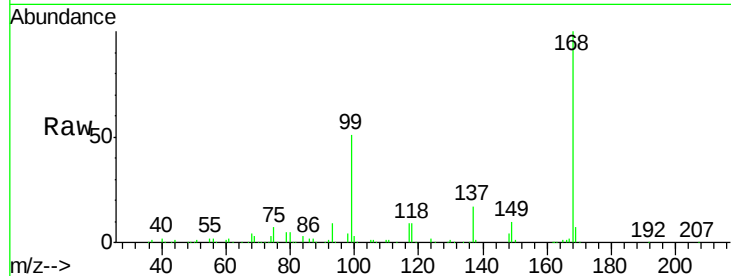
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 507085

Ion Ratio Lower Upper

168 100

99 51.5 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

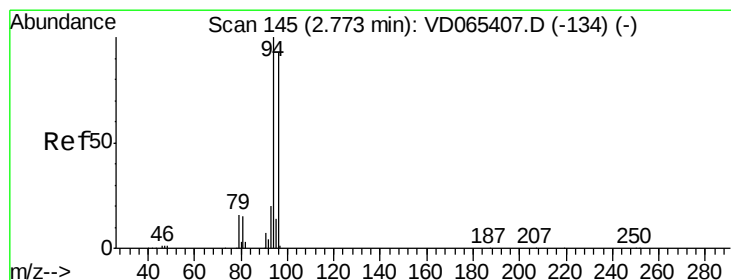
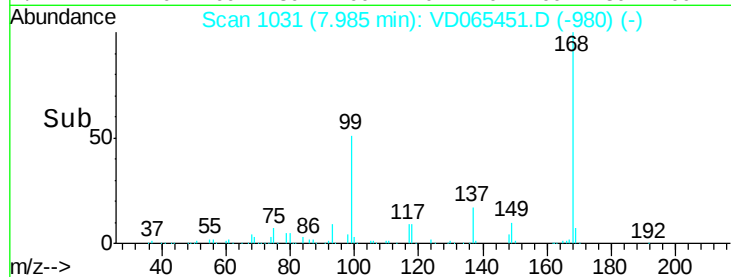
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065451.D

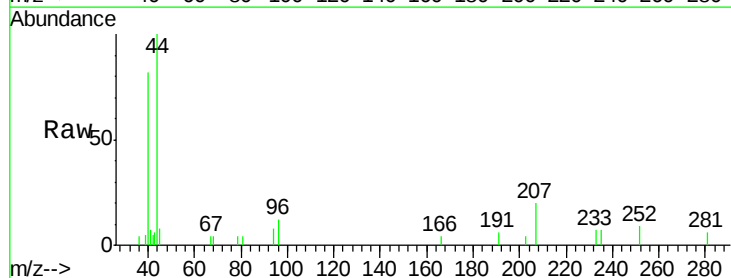
Acq: 09 Mar 2020 15:51

Tgt Ion: 94 Resp: 413

Ion Ratio Lower Upper

94 100

96 65.6 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

500

400

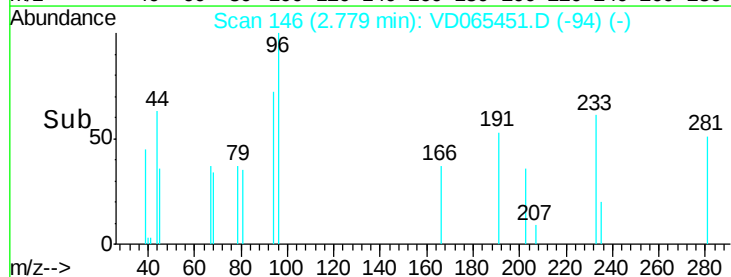
300

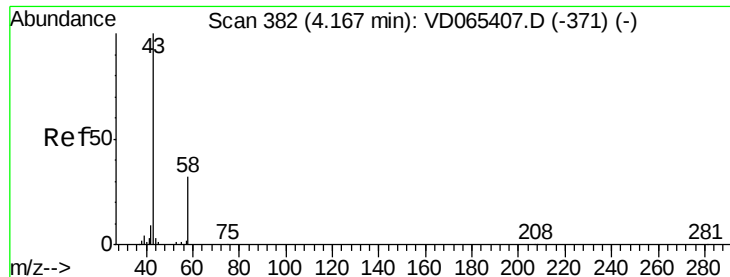
200

100

0

Time-->





#16

Acetone

Concen: 2.436 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065451.D

Acq: 09 Mar 2020 15:51

Instrument :

MSVOA_D

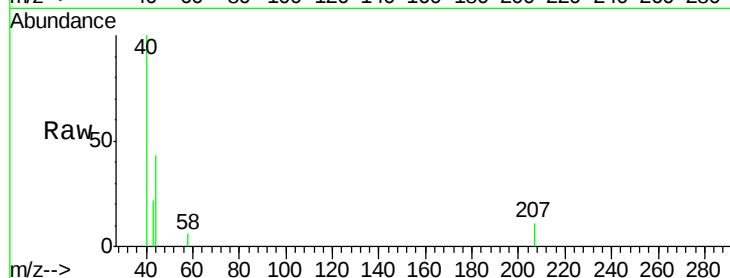
ClientSampleId :

Tot Ion: 43 Resp: 2143

Ion Ratio Lower Upper

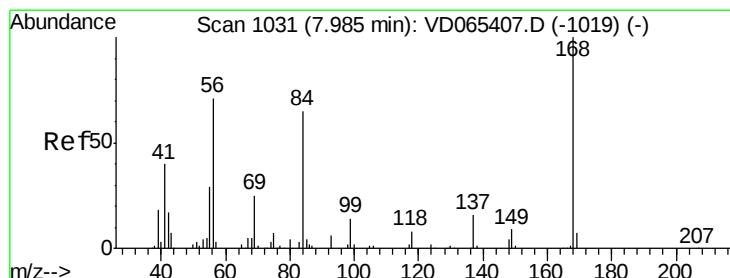
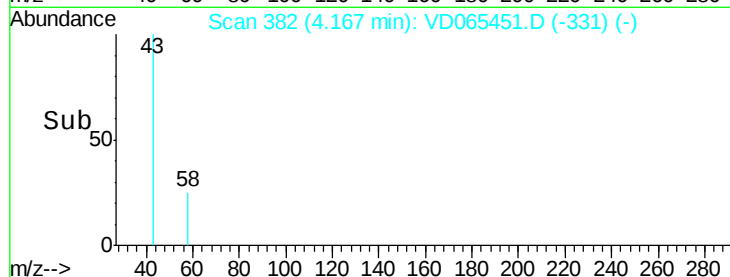
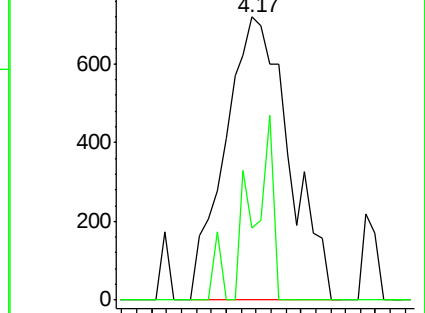
43 100

58 25.5 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#31

Cyclohexane

Concen: 1.132 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065451.D

Acq: 09 Mar 2020 15:51

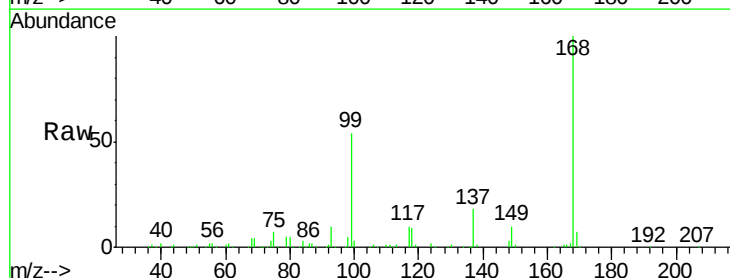
Tgt Ion: 56 Resp: 9779

Ion Ratio Lower Upper

56 100

69 169.7 28.3 42.5#

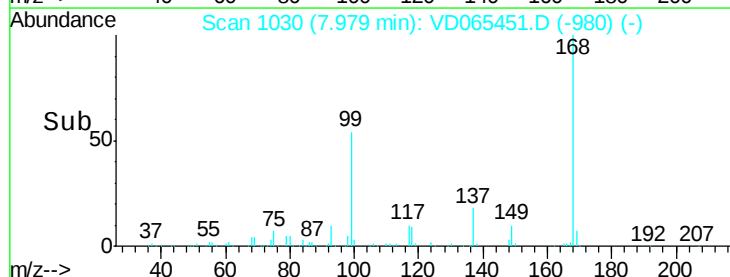
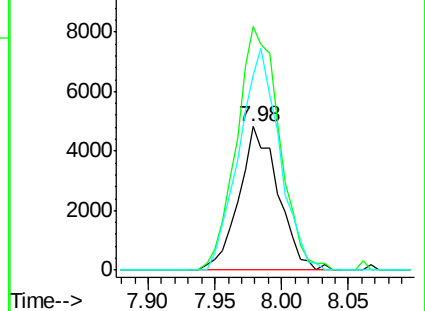
84 136.3 73.1 109.7#

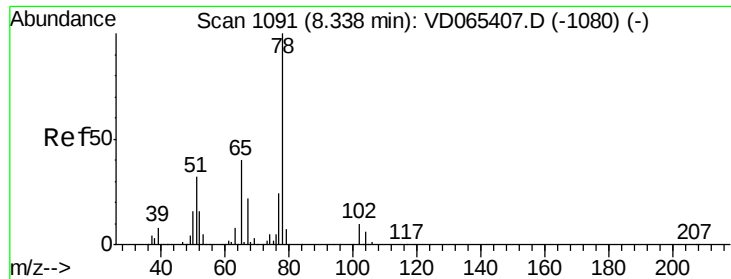


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

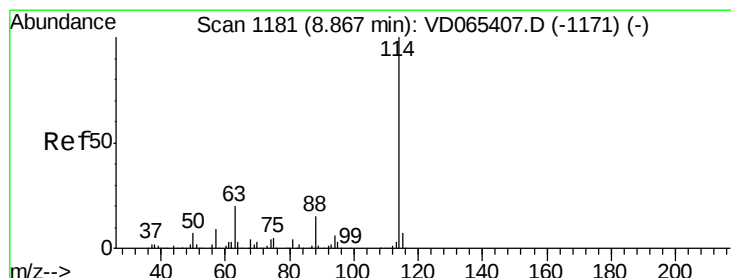
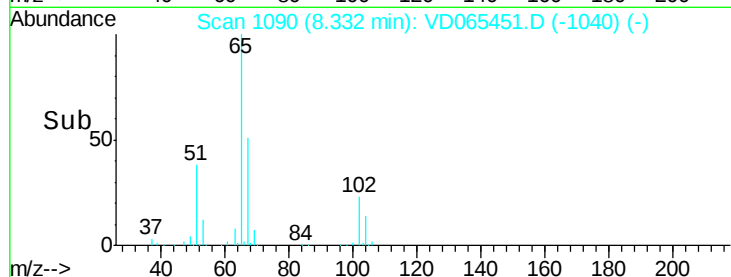
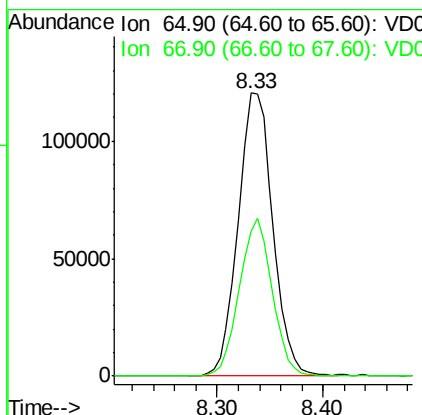
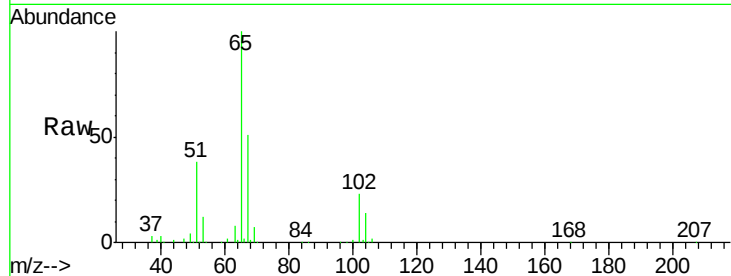




#33
 1,2-Dichloroethane-d4
 Concen: 63.345 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065451.D
 Acq: 09 Mar 2020 15:51

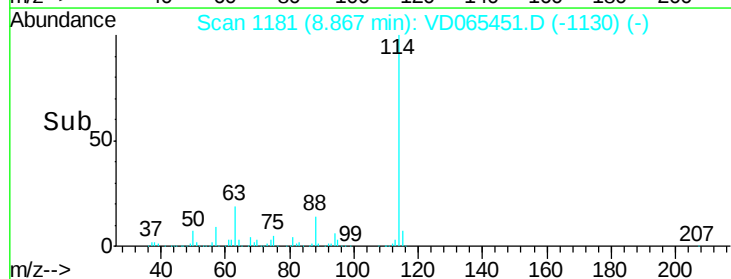
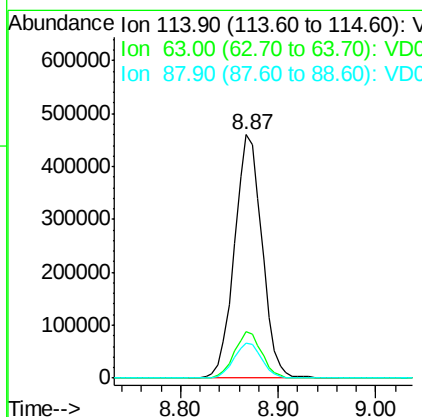
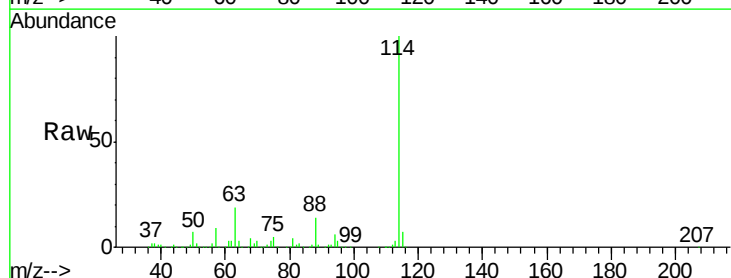
Instrument :
 MSVOA_D
 ClientSampleId :

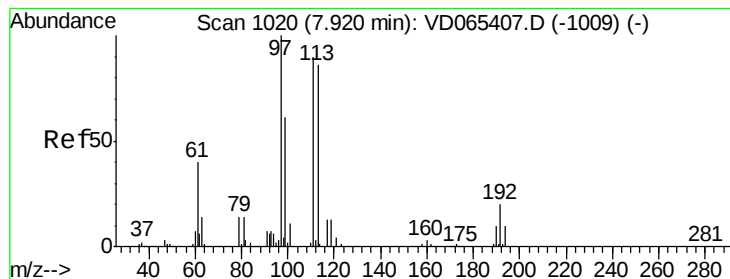
Tot Ion: 65 Resp: 275538
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065451.D
 Acq: 09 Mar 2020 15:51

Tgt Ion: 114 Resp: 903720
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.6
 88 14.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 53.311 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065451.D

Acq: 09 Mar 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :

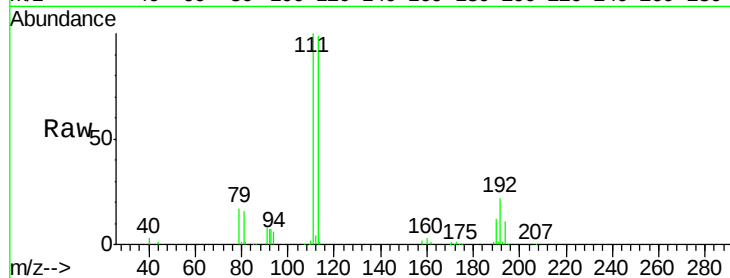
Tot Ion:113 Resp: 297936

Ion Ratio Lower Upper

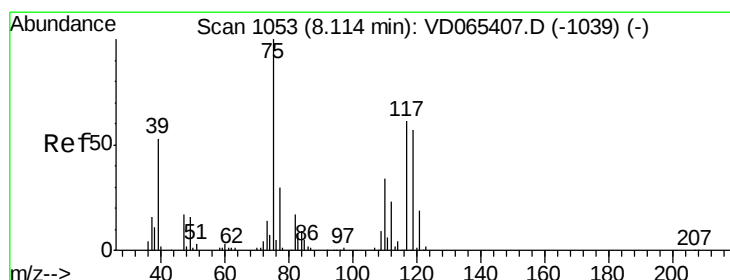
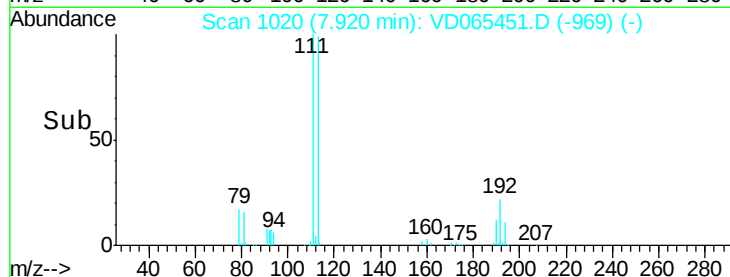
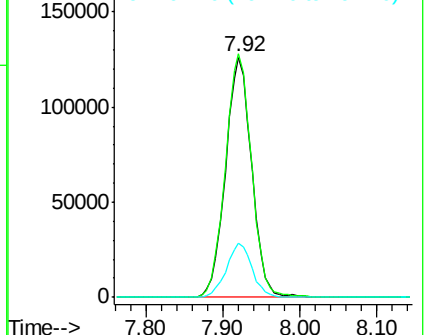
113 100

111 101.7 82.1 123.1

192 22.3 17.2 25.8



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.107 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065451.D

Acq: 09 Mar 2020 15:51

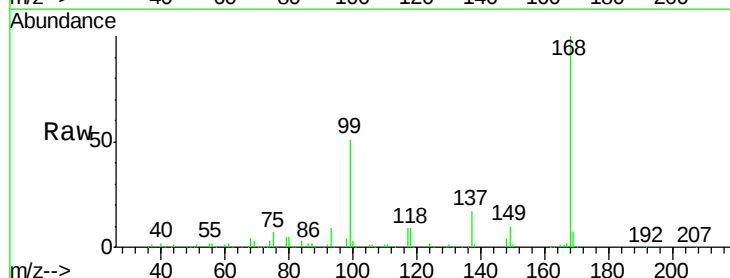
Tgt Ion: 75 Resp: 35576

Ion Ratio Lower Upper

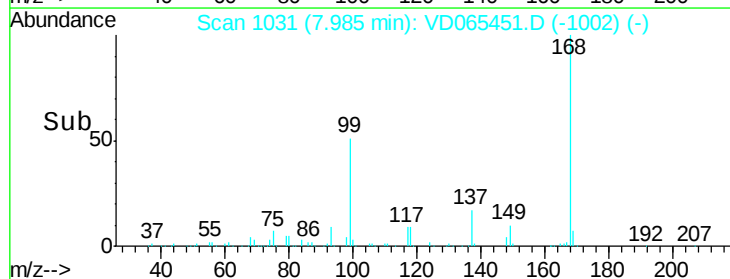
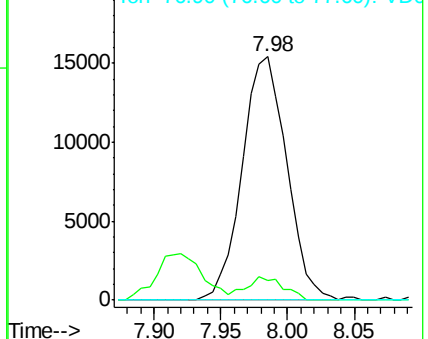
75 100

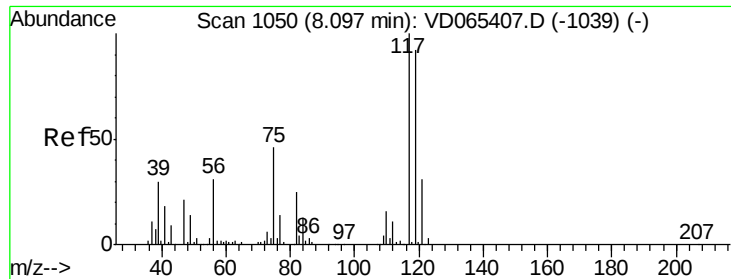
110 8.1 18.1 54.1#

77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VDC

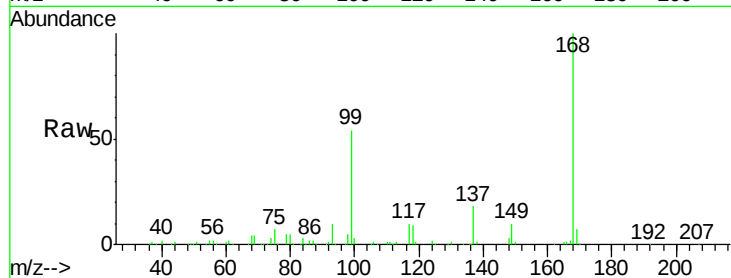




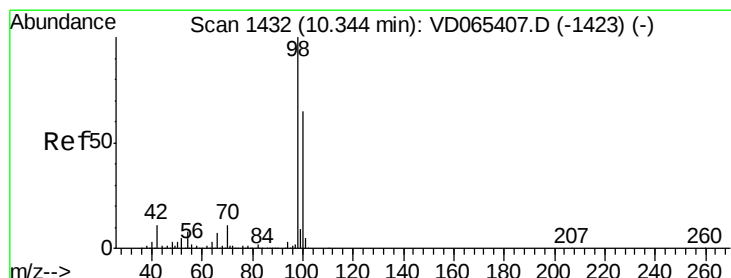
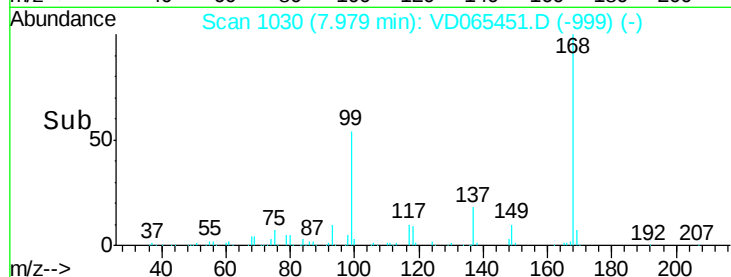
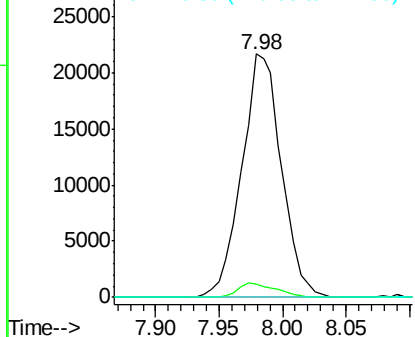
#38
Carbon Tetrachloride
Concen: 5.243 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065451.D
Acq: 09 Mar 2020 15:51

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 47102
Ion Ratio Lower Upper
117 100
119 5.4 73.3 109.9#
121 0.0 25.0 37.4#

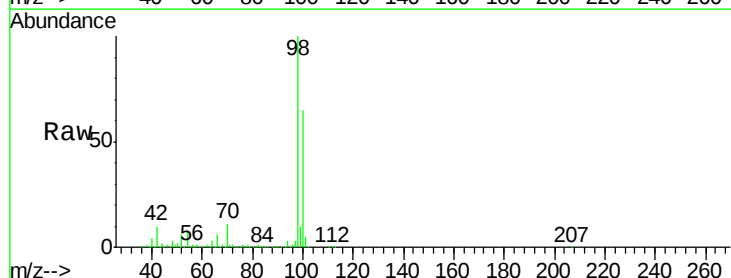


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

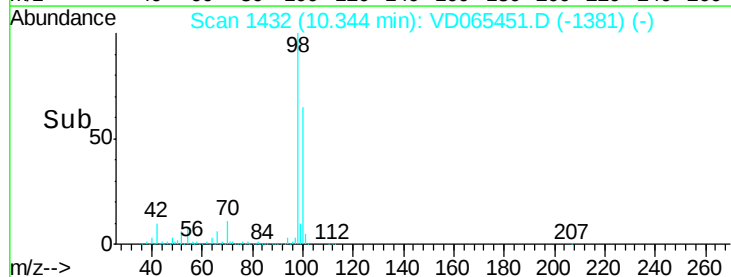
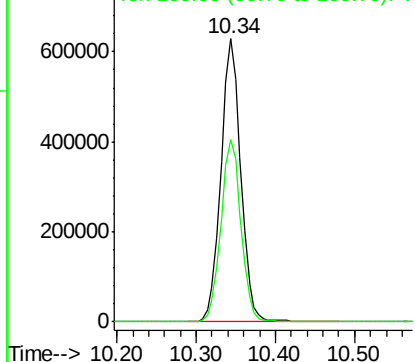


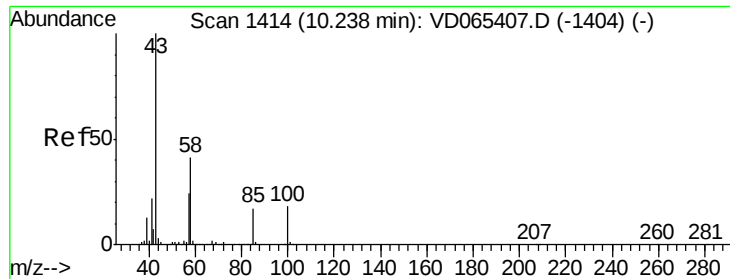
#50
Toluene-d8
Concen: 50.852 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065451.D
Acq: 09 Mar 2020 15:51

Tgt Ion: 98 Resp: 1090272
Ion Ratio Lower Upper
98 100
100 65.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.281 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.10 min

Lab File: VD065451.D

Acq: 09 Mar 2020 15:51

Instrument :

MSVOA_D

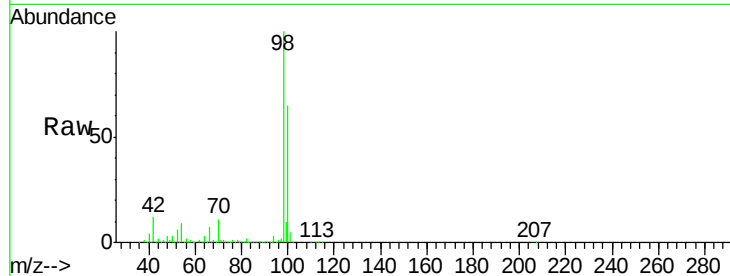
ClientSampled :

Tot Ion: 43 Resp: 3985

Ion Ratio Lower Upper

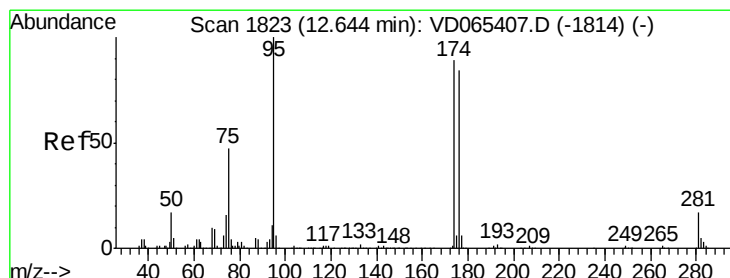
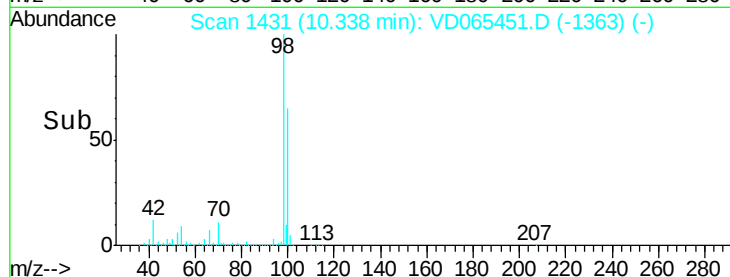
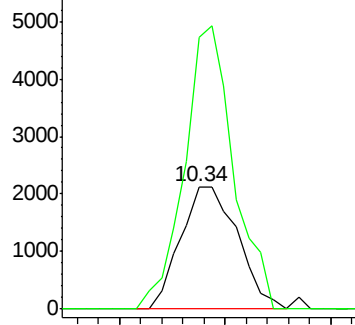
43 100

58 199.3 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 47.237 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065451.D

Acq: 09 Mar 2020 15:51

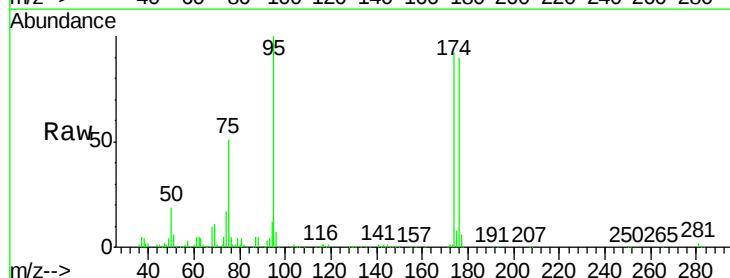
Tgt Ion: 95 Resp: 312650

Ion Ratio Lower Upper

95 100

174 92.5 0.0 176.8

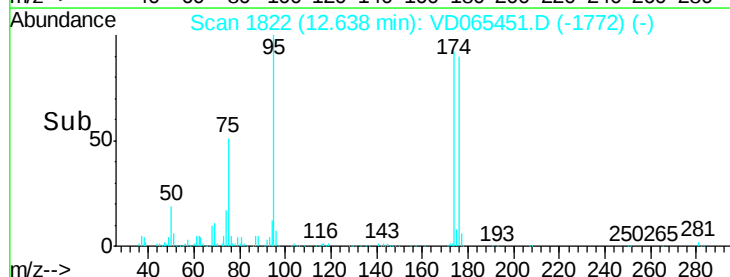
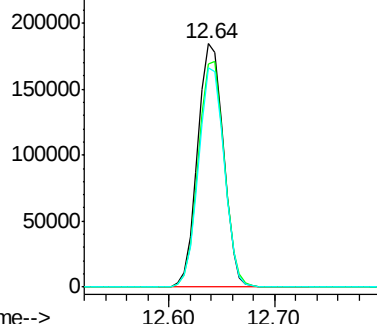
176 89.1 0.0 171.4

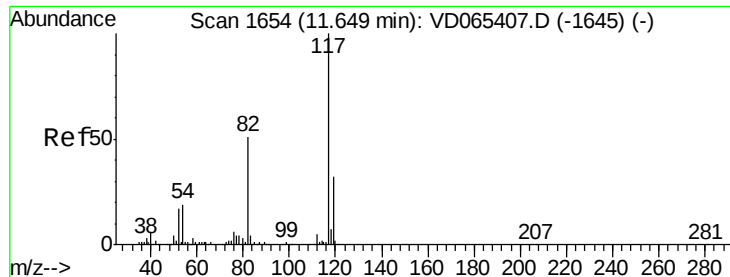


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

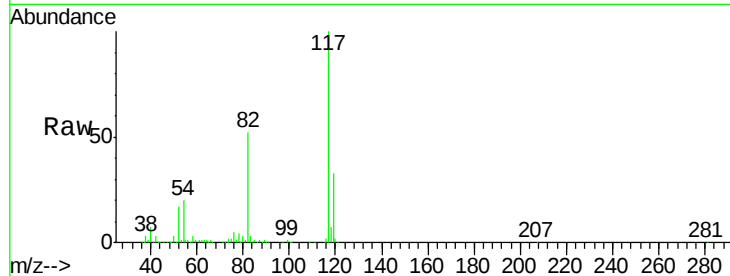




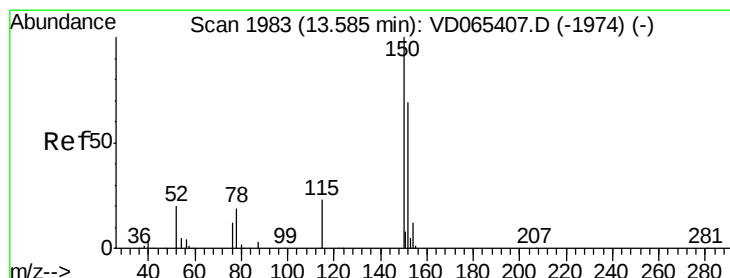
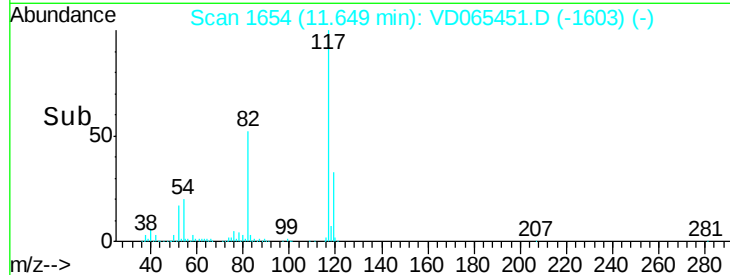
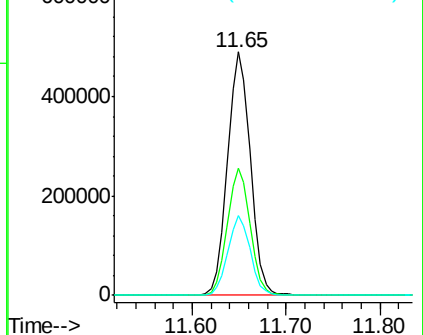
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065451.D
Acq: 09 Mar 2020 15:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 828748
Ion Ratio Lower Upper
117 100
82 52.2 40.6 60.8
119 32.5 25.4 38.2

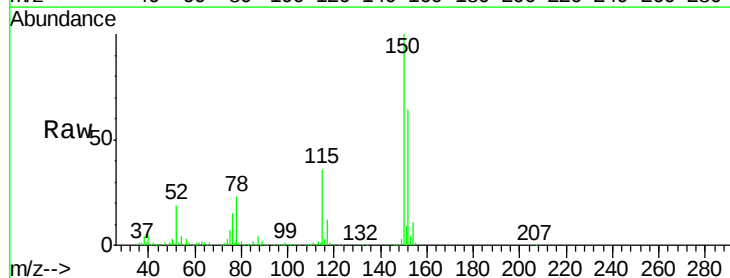


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

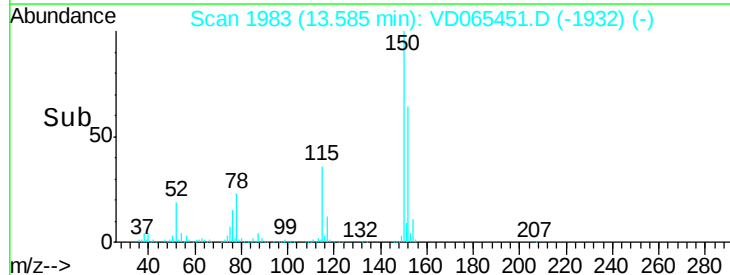
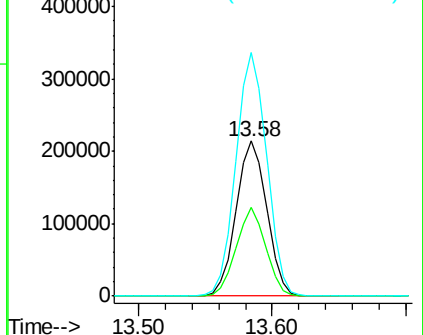


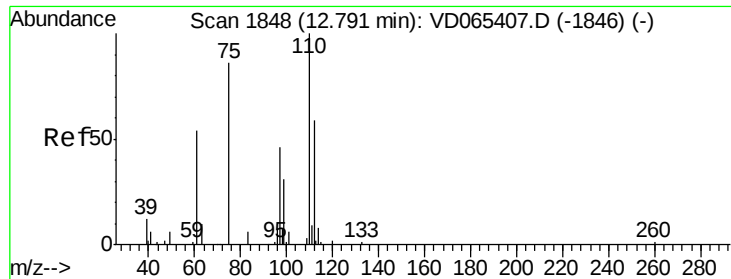
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065451.D
Acq: 09 Mar 2020 15:51

Tgt Ion:152 Resp: 340803
Ion Ratio Lower Upper
152 100
115 55.2 27.6 82.8
150 158.1 0.0 345.0



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

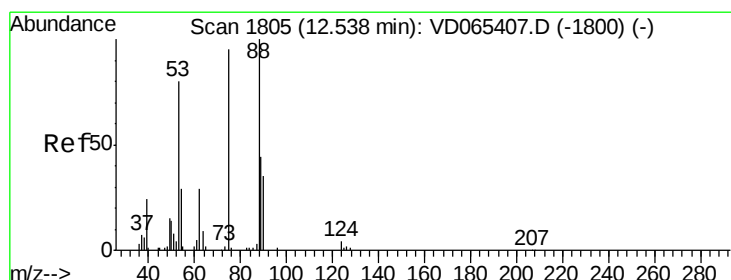
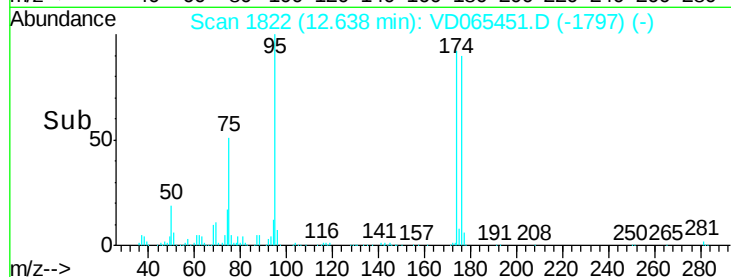
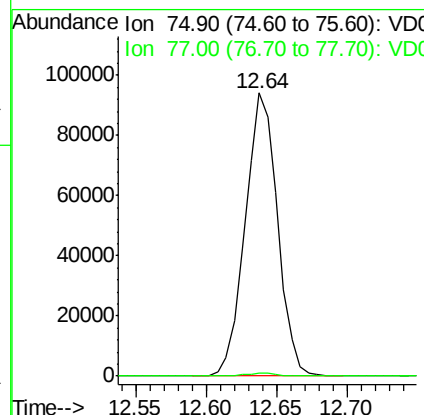
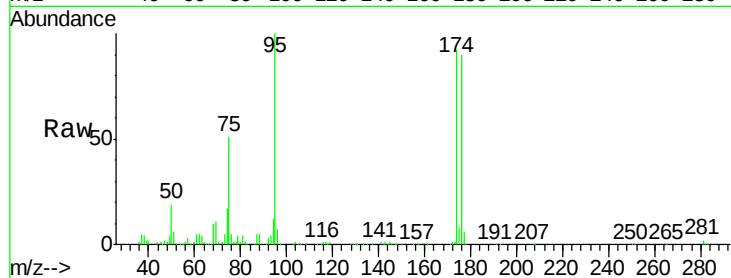




#76
 1,2,3-Trichloropropane
 Concen: 56.035 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD065451.D
 Acq: 09 Mar 2020 15:51

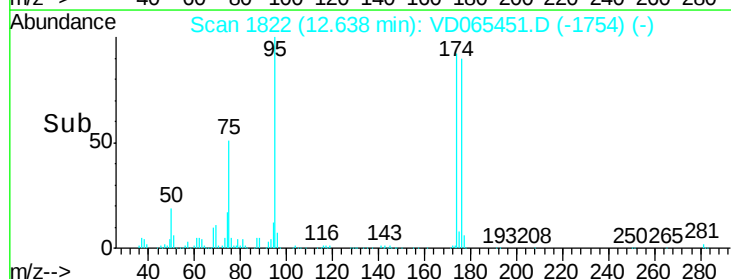
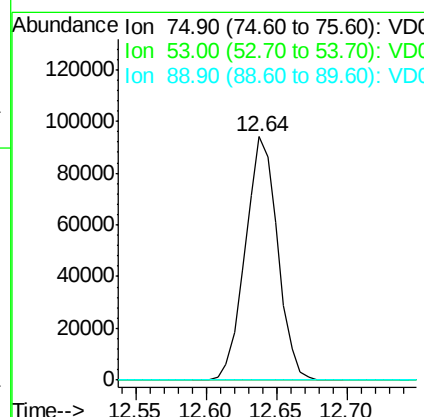
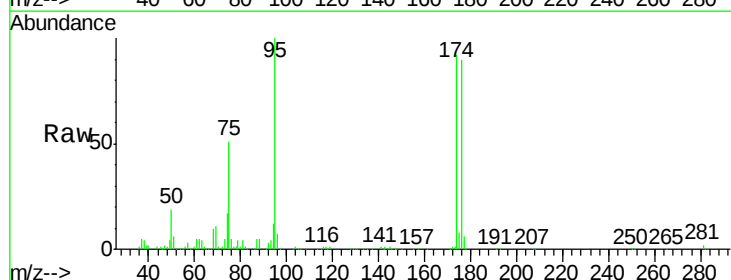
Instrument :
 MSVOA_D
 ClientSampled :

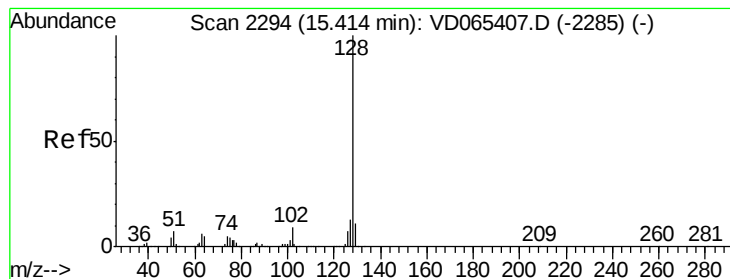
Tot Ion: 75 Resp: 150691
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.251 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.10 min
 Lab File: VD065451.D
 Acq: 09 Mar 2020 15:51

Tgt Ion: 75 Resp: 150691
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.3 106.9#
 89 0.0 37.0 55.6#





#95

Naphthalene

Concen: 4.449 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

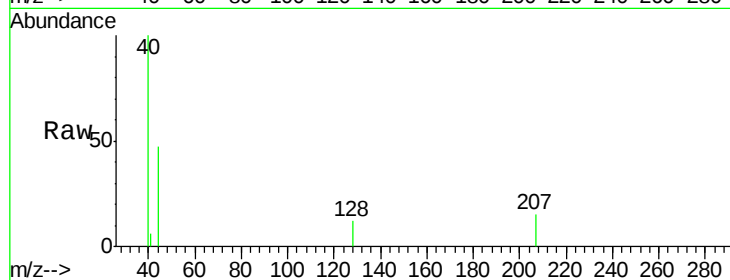
Lab File: VD065451.D

Acq: 09 Mar 2020 15:51

Instrument :

MSVOA_D

ClientSampleId :



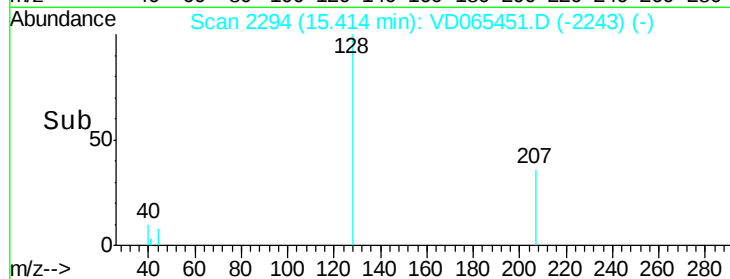
Tot Ion:128 Resp: 504

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

