

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030920\
 Data File : VD065450.D
 Acq On : 09 Mar 2020 15:23
 Operator : VA/SY
 Sample : L1844-06
 Misc : 9.20G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 10 12:22:32 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	7.99	168	478290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	824369	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	742315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	279920	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	258212	62.94	ug/l	0.00
Spiked Amount			Recovery	=	125.88%	
35) Dibromofluoromethane	7.92	113	274504	53.85	ug/l	0.00
Spiked Amount			Recovery	=	107.70%	
50) Toluene-d8	10.34	98	1007492	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
62) 4-Bromofluorobenzene	12.64	95	272673	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	

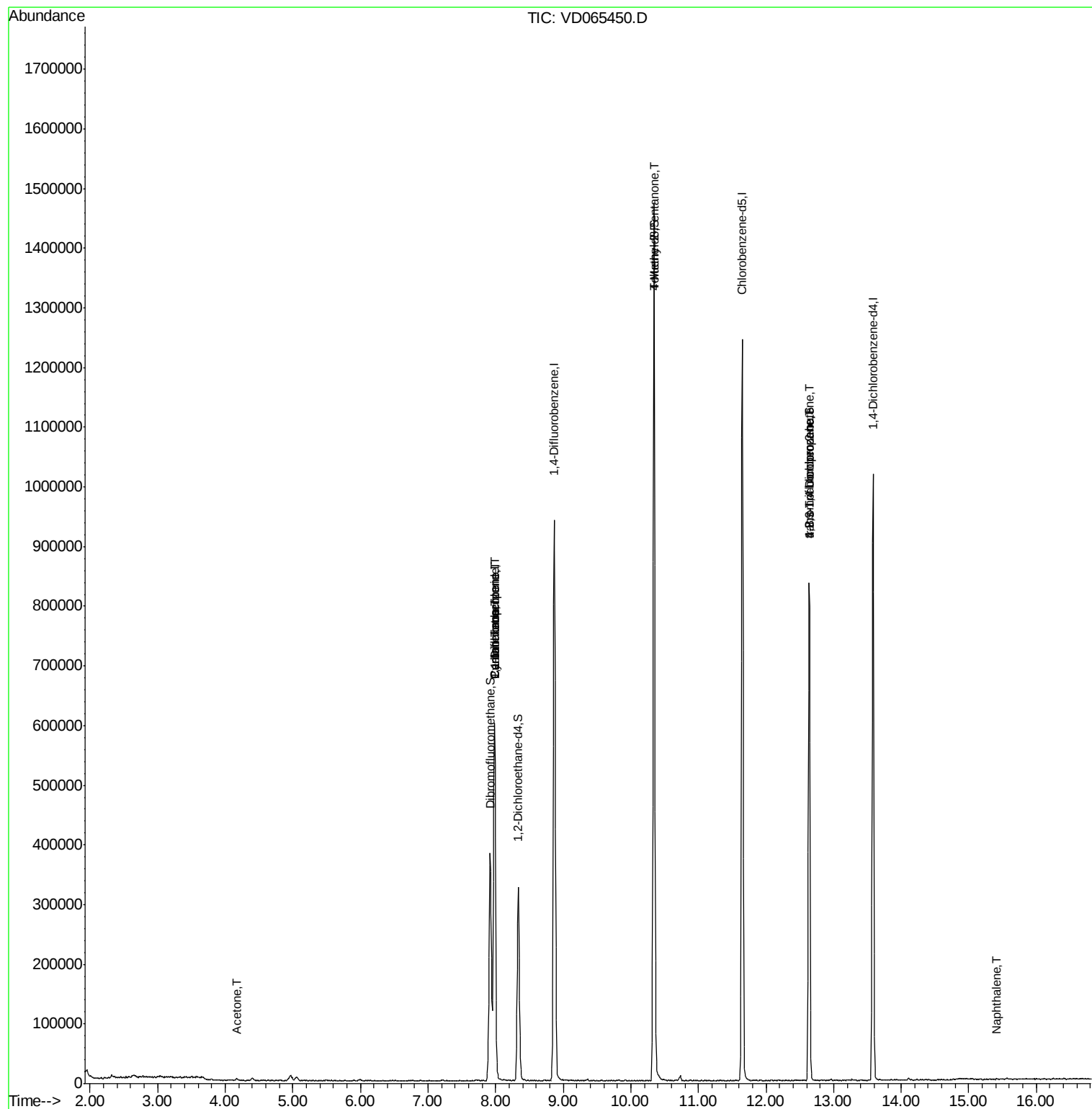
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	457	Below Cal	#	42
16) Acetone	4.17	43	4097	4.938	ug/l #	62
20) Methylene Chloride	4.96	84	6846	Below Cal	#	80
31) Cyclohexane	7.98	56	8880	1.090	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	34305	4.341	ug/l #	48
38) Carbon Tetrachloride	7.99	117	44109	5.383	ug/l #	18
51) 4-Methyl-2-Pentanone	10.35	43	4552	1.604	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	131855	59.695	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	131855	125.975	ug/l #	14
95) Naphthalene	15.41	128	585	4.466	ug/l #	84

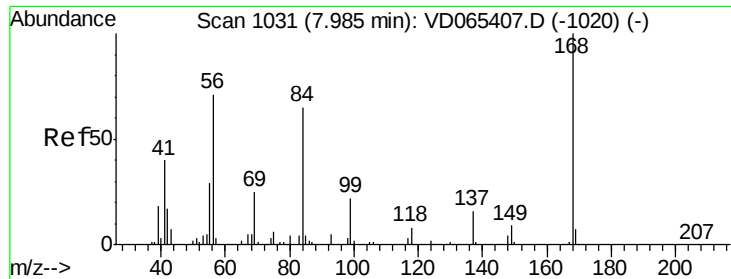
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030920\
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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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065450.D

Acq: 09 Mar 2020 15:23

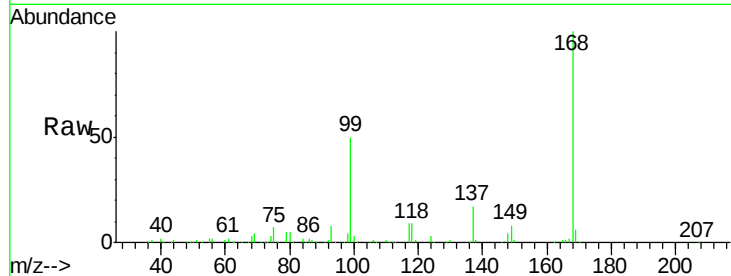
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 478290

Ion Ratio Lower Upper

168 100

99 50.0 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

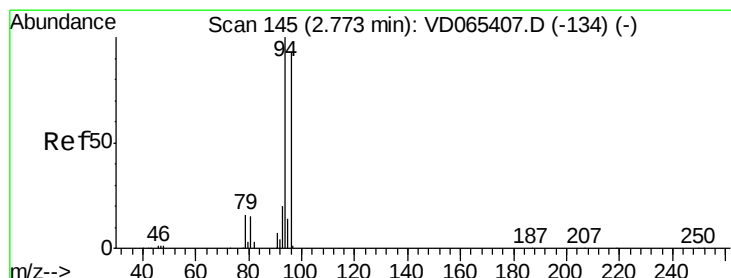
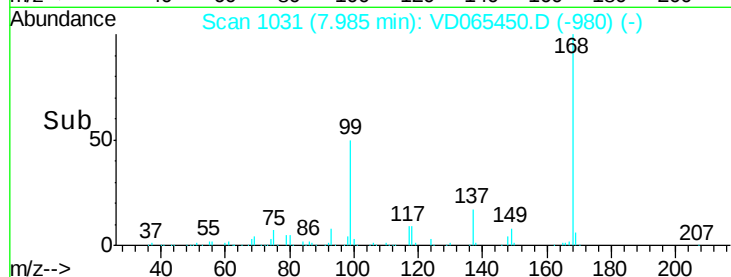
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD065450.D

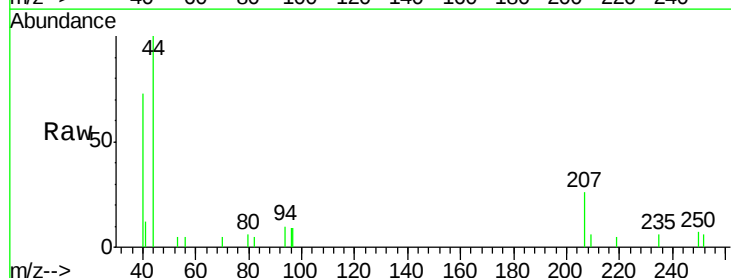
Acq: 09 Mar 2020 15:23

Tgt Ion: 94 Resp: 457

Ion Ratio Lower Upper

94 100

96 37.7 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.79

500

400

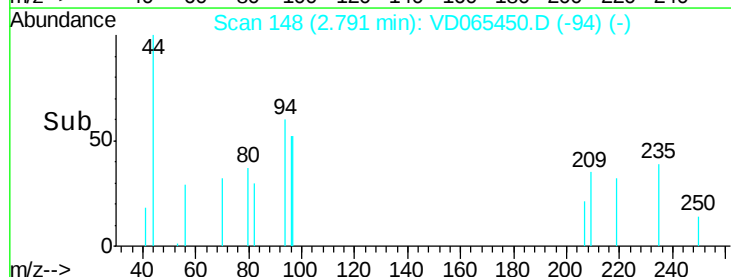
300

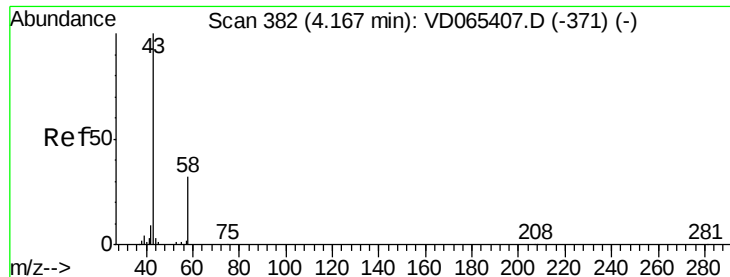
200

100

0

Time-->





#16

Acetone

Concen: 4.938 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065450.D

Acq: 09 Mar 2020 15:23

Instrument :

MSVOA_D

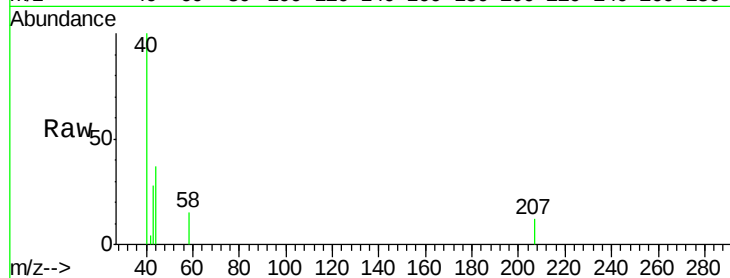
ClientSampleId :

Tot Ion: 43 Resp: 4097

Ion Ratio Lower Upper

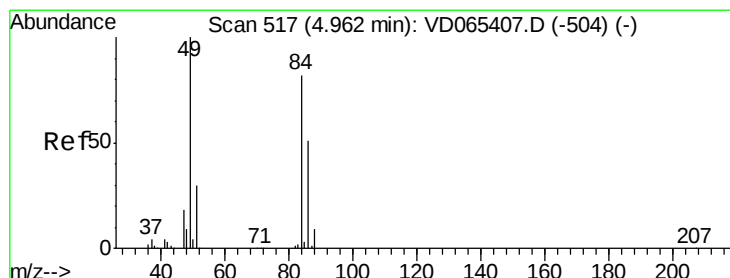
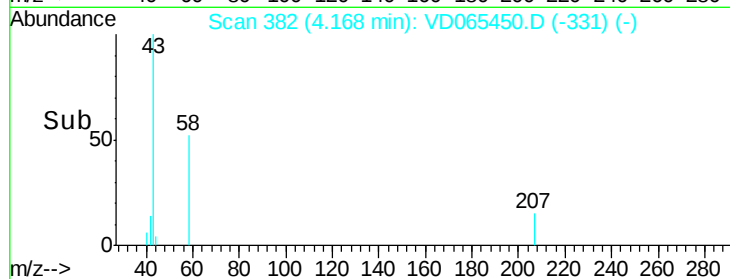
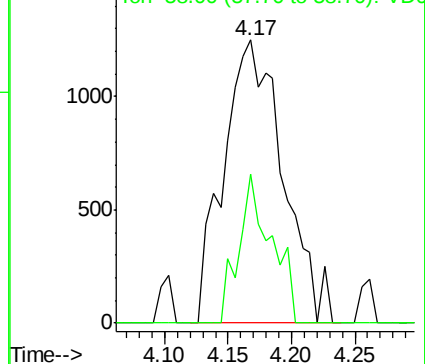
43 100

58 52.4 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD065450.D

Acq: 09 Mar 2020 15:23

Tgt Ion: 84 Resp: 6846

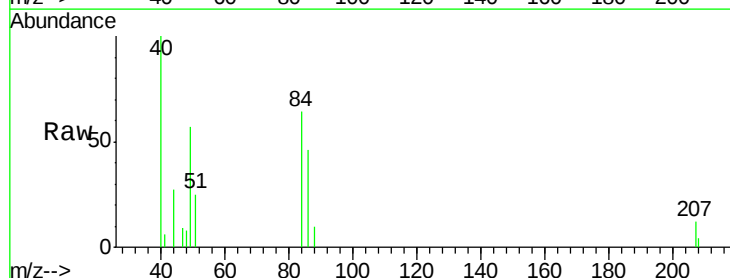
Ion Ratio Lower Upper

84 100

49 90.1 97.7 146.5#

51 38.6 28.8 43.2

86 72.3 49.5 74.3

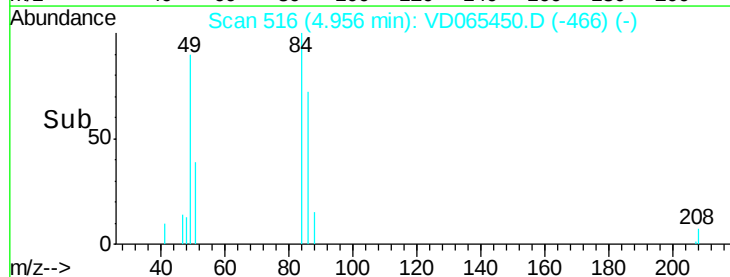
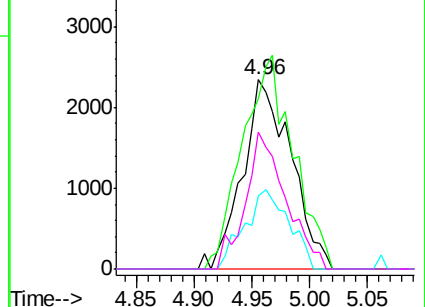


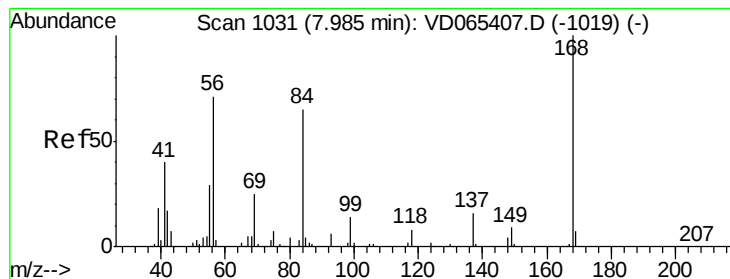
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.090 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065450.D

Acq: 09 Mar 2020 15:23

Instrument :

MSVOA_D

ClientSampled :

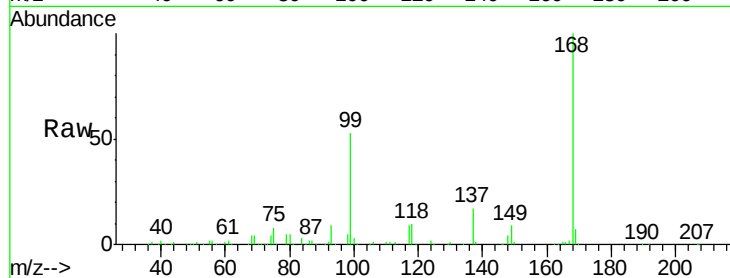
Tot Ion: 56 Resp: 8880

Ion Ratio Lower Upper

56 100

69 180.6 28.3 42.5#

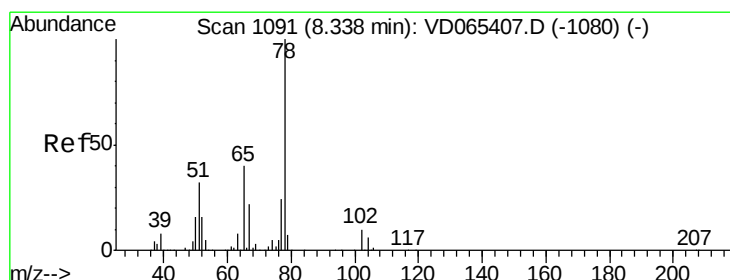
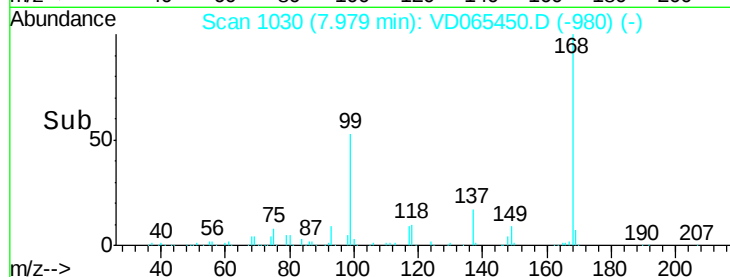
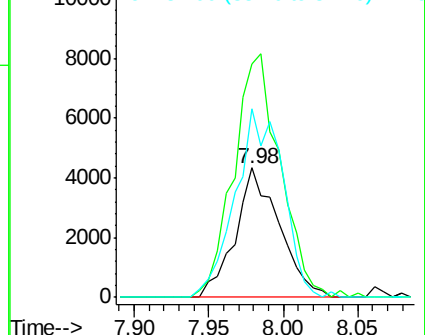
84 146.0 73.1 109.7#



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: 62.936 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065450.D

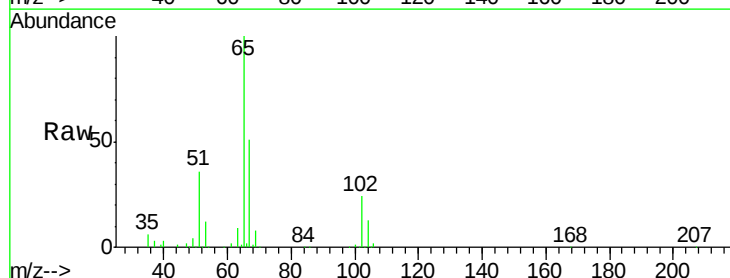
Acq: 09 Mar 2020 15:23

Tgt Ion: 65 Resp: 258212

Ion Ratio Lower Upper

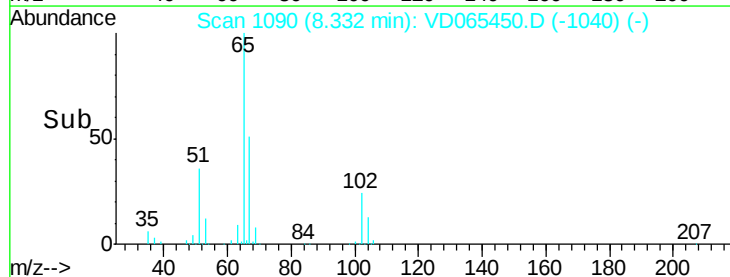
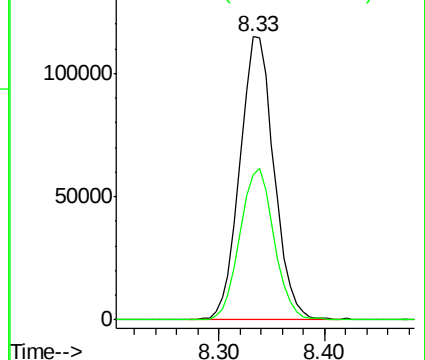
65 100

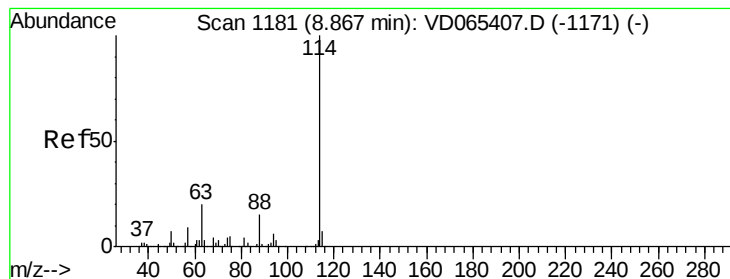
67 53.3 0.0 108.0



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: VD065450.D

Acq: 09 Mar 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

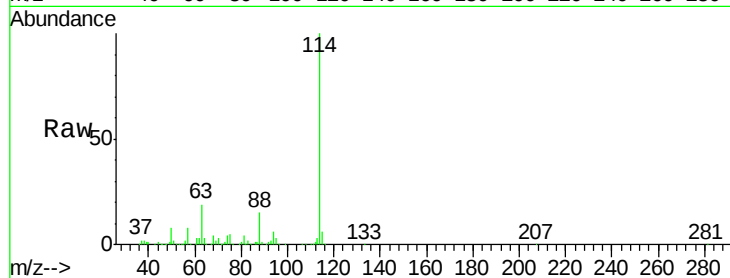
Tot Ion:114 Resp: 824369

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

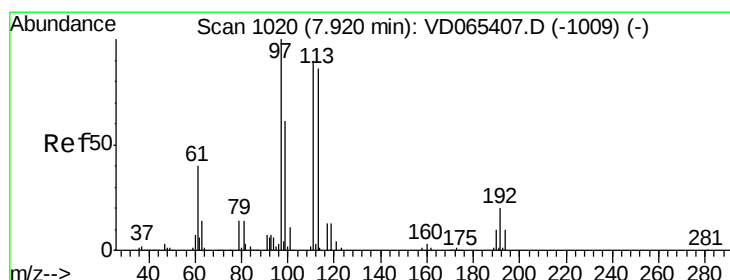
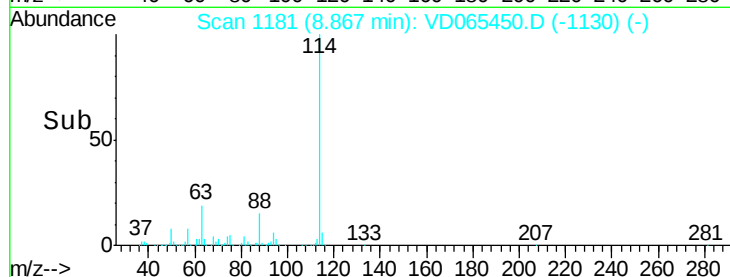
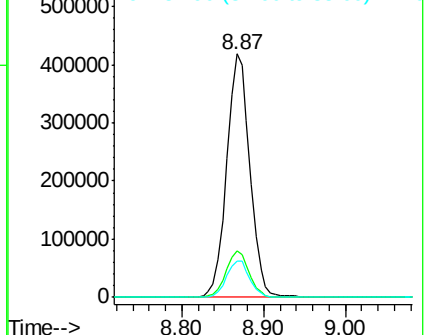
88 15.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 53.846 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065450.D

Acq: 09 Mar 2020 15:23

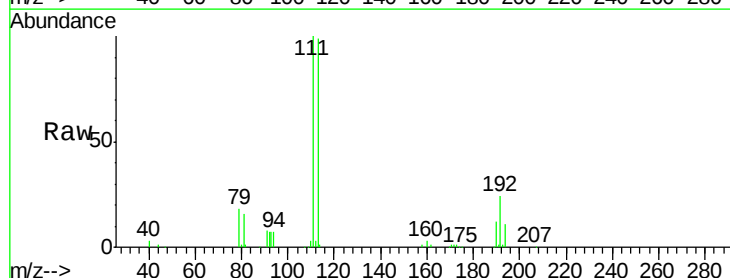
Tgt Ion:113 Resp: 274504

Ion Ratio Lower Upper

113 100

111 102.9 82.1 123.1

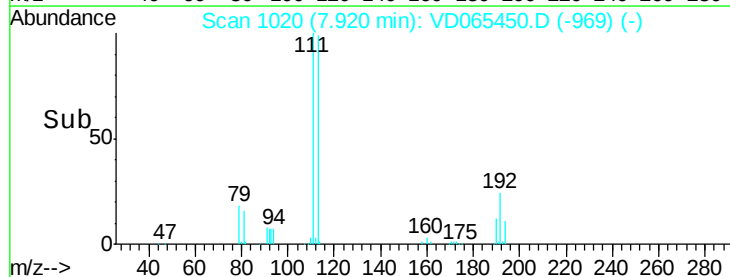
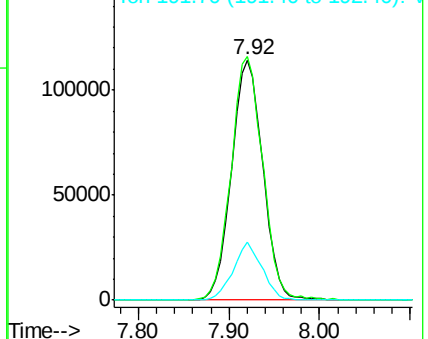
192 22.2 17.2 25.8

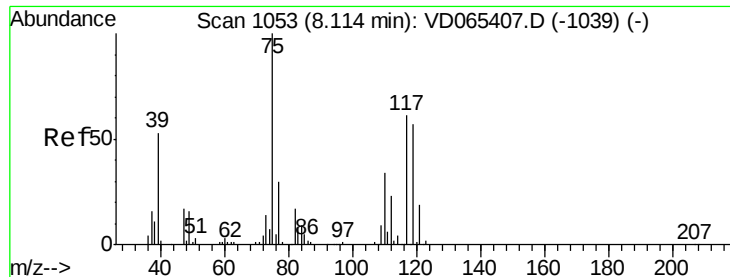


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

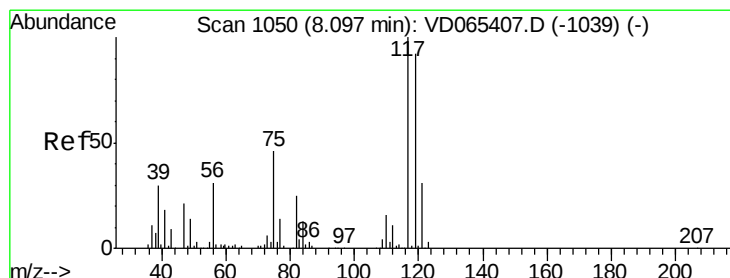
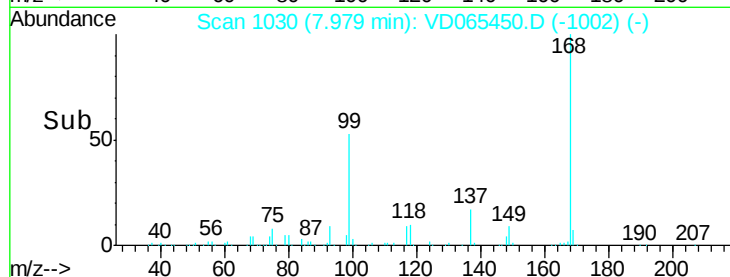
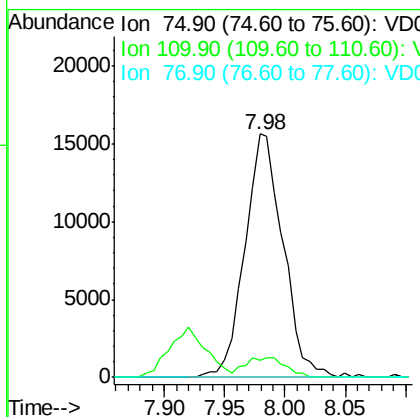
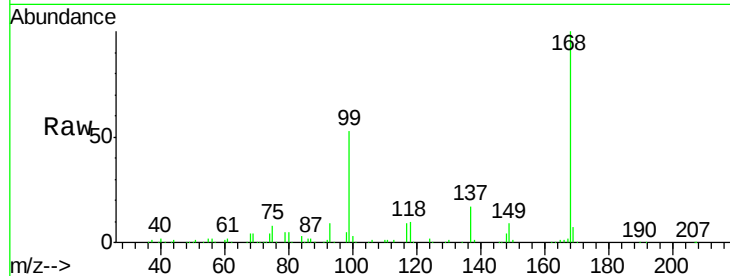




#36
 1,1-Dichloropropene
 Concen: 4.341 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065450.D
 Acq: 09 Mar 2020 15:23

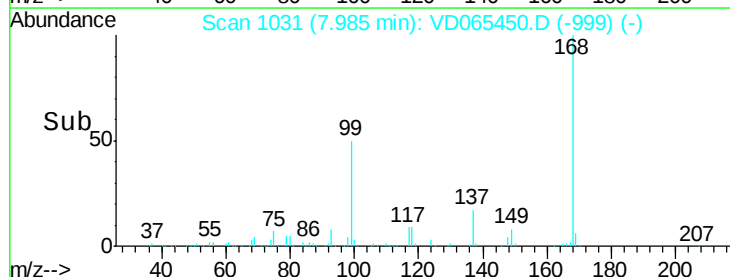
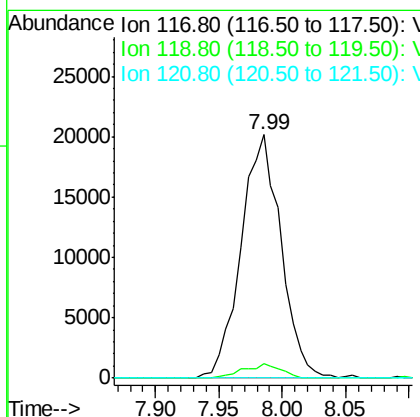
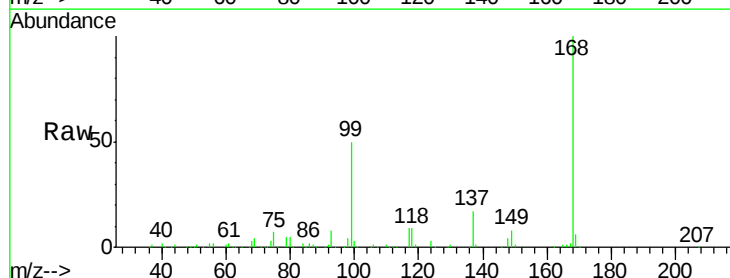
Instrument :
 MSVOA_D
 ClientSampleId :

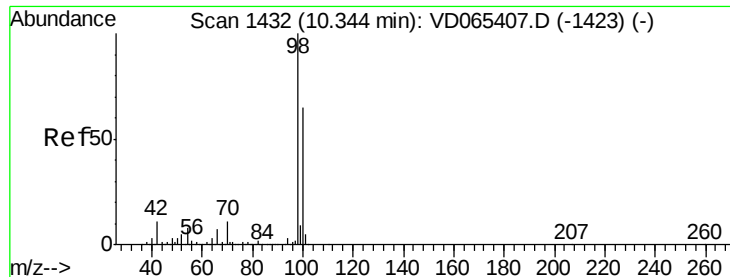
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.1	54.1#
77	0.0	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 5.383 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065450.D
 Acq: 09 Mar 2020 15:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	73.3	109.9#
121	0.0	25.0	37.4#

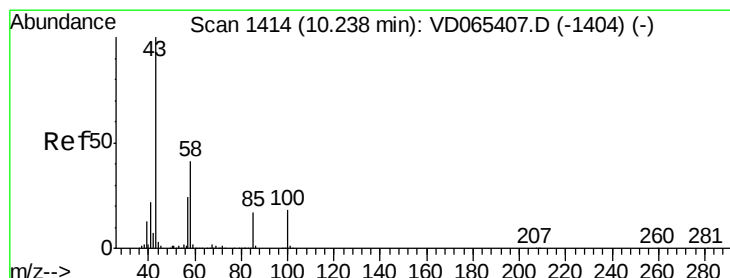
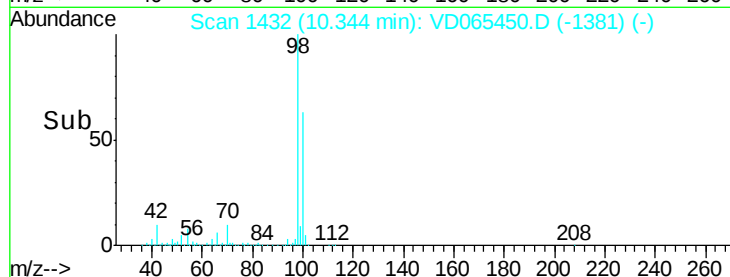
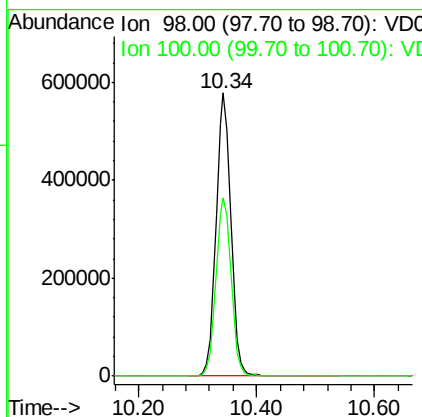
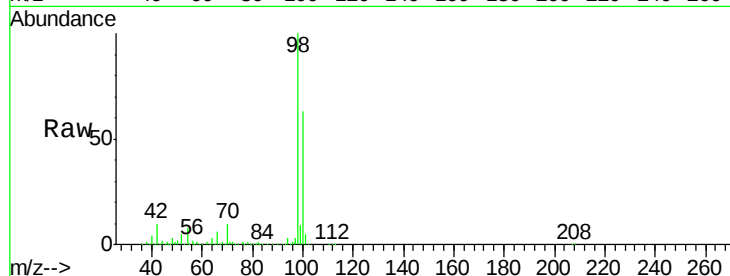




#50
Toluene-d8
Concen: 51.514 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065450.D
Acq: 09 Mar 2020 15:23

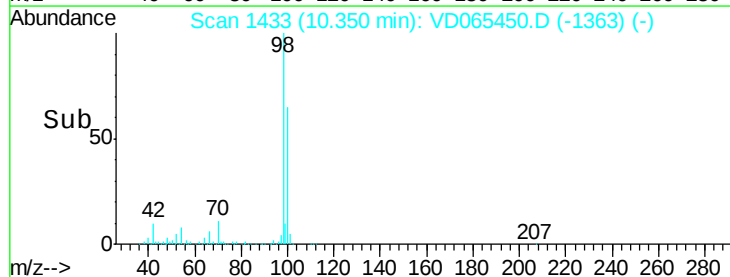
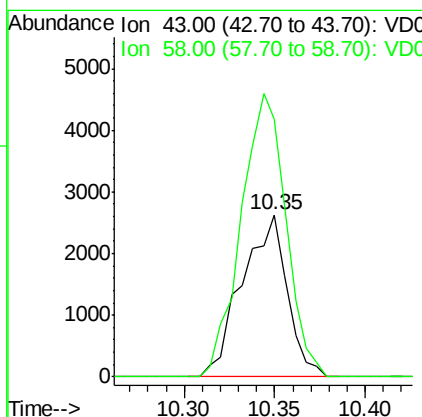
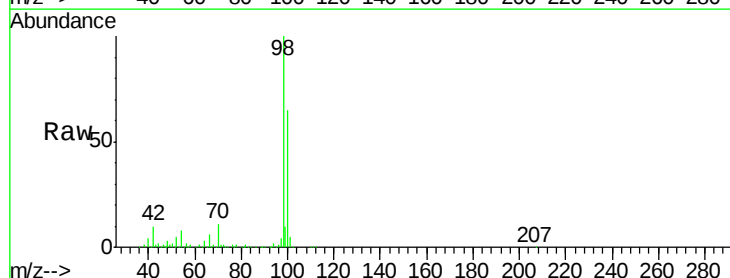
Instrument :
MSVOA_D
ClientSampleId :

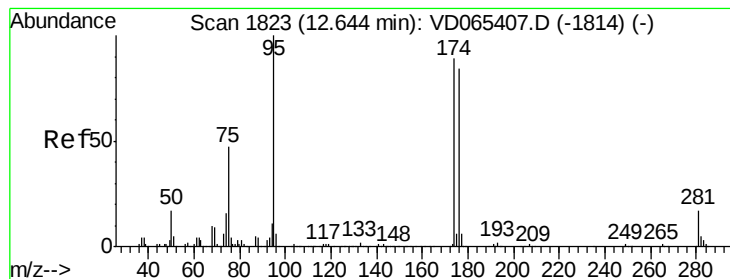
Tot Ion: 98 Resp: 1007492
Ion Ratio Lower Upper
98 100
100 64.7 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.604 ug/l
RT: 10.35 min Scan# 1433
Delta R.T. 0.11 min
Lab File: VD065450.D
Acq: 09 Mar 2020 15:23

Tgt Ion: 43 Resp: 4552
Ion Ratio Lower Upper
43 100
58 173.6 31.8 47.6#





#62

4-Bromofluorobenzene

Concen: 45.162 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065450.D

Acq: 09 Mar 2020 15:23

Instrument :

MSVOA_D

ClientSampled :

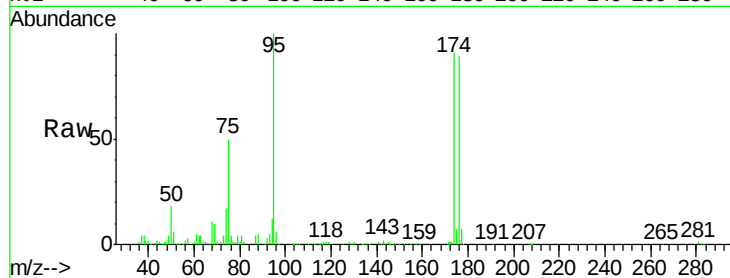
Tot Ion: 95 Resp: 272673

Ion Ratio Lower Upper

95 100

174 91.3 0.0 176.8

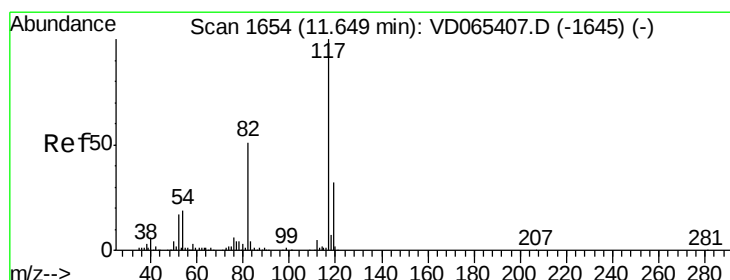
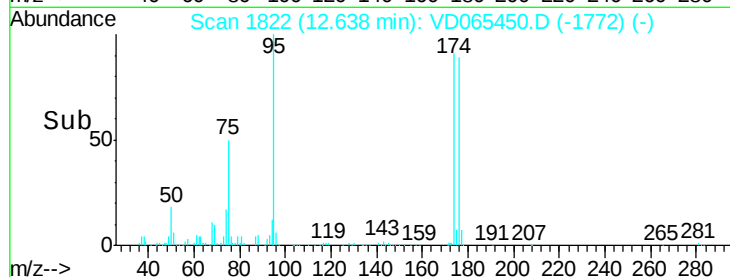
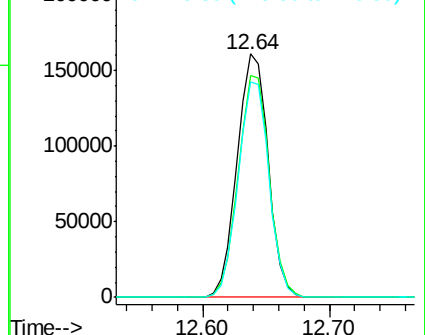
176 88.0 0.0 171.4



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: VD065450.D

Acq: 09 Mar 2020 15:23

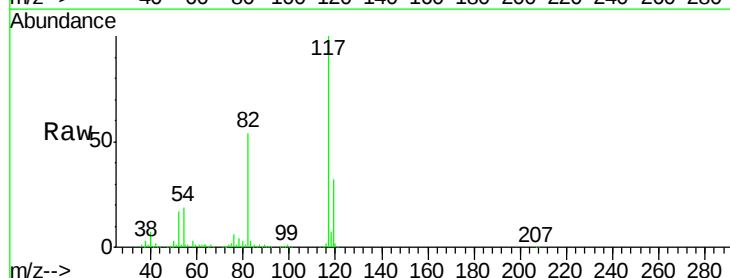
Tgt Ion: 117 Resp: 742315

Ion Ratio Lower Upper

117 100

82 54.1 40.6 60.8

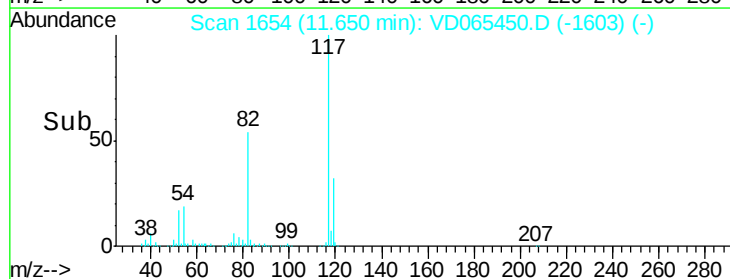
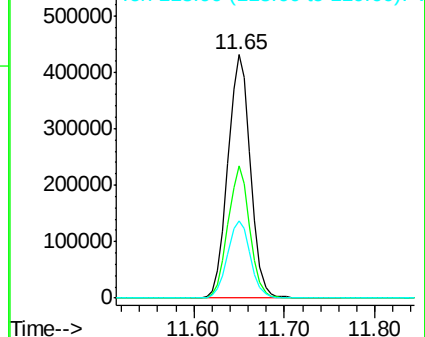
119 31.9 25.4 38.2

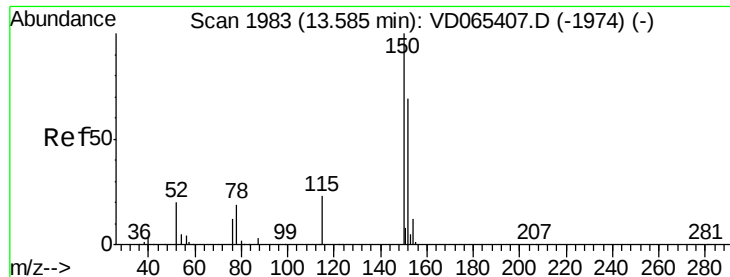


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD065450.D

Acq: 09 Mar 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

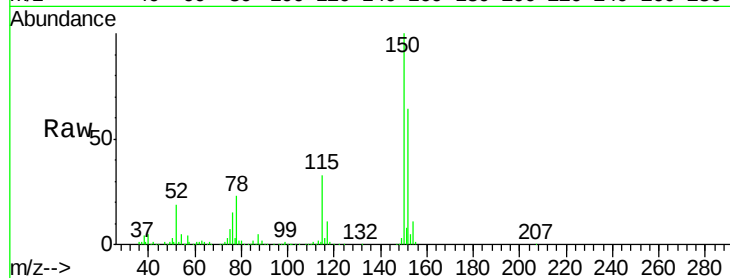
Tot Ion:152 Resp: 279920

Ion Ratio Lower Upper

152 100

115 54.3 27.6 82.8

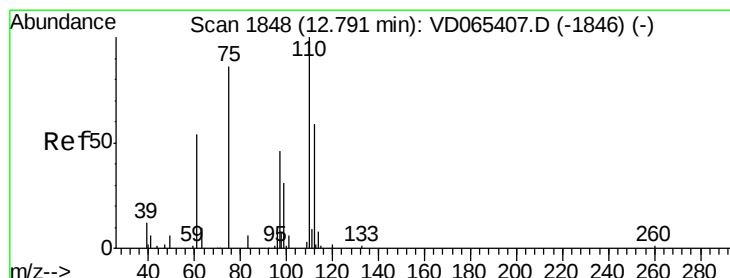
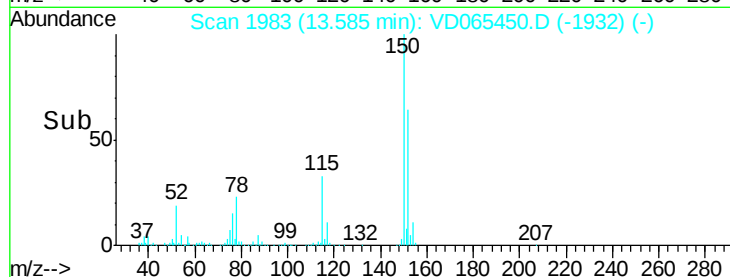
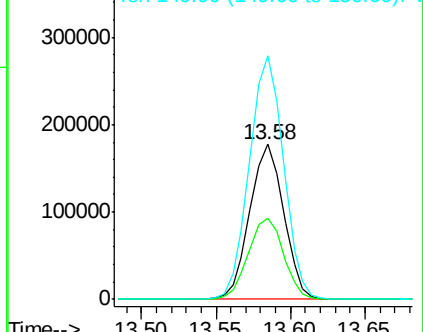
150 157.8 0.0 345.0



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: 59.695 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065450.D

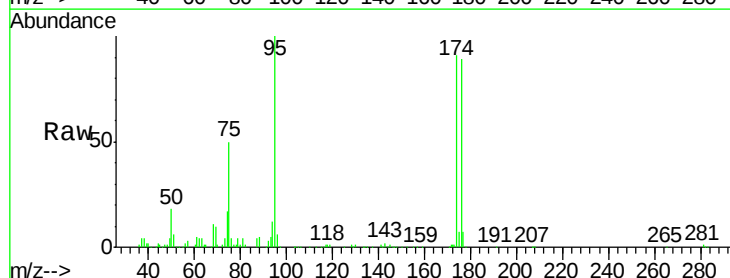
Acq: 09 Mar 2020 15:23

Tgt Ion: 75 Resp: 131855

Ion Ratio Lower Upper

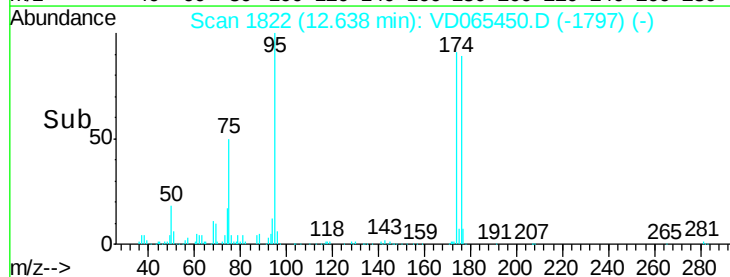
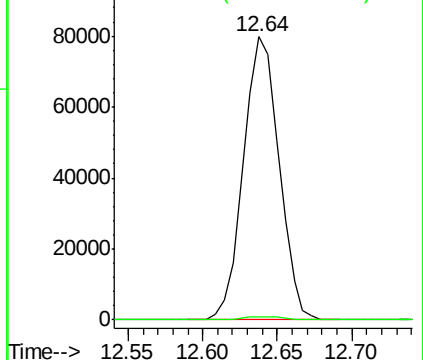
75 100

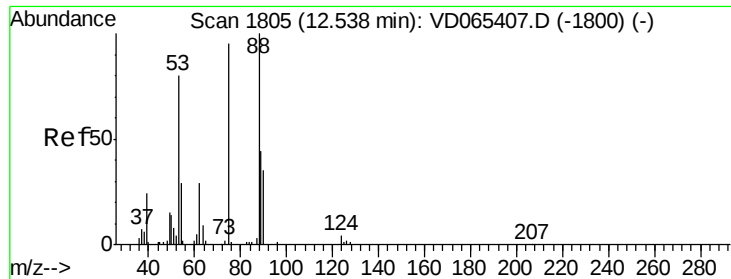
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 125.975 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065450.D

Acq: 09 Mar 2020 15:23

Instrument :

MSVOA_D

ClientSampleId :

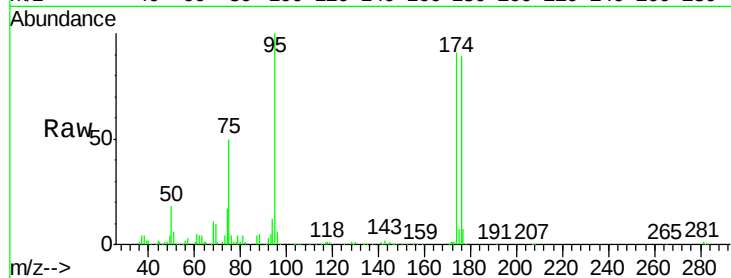
Tot Ion: 75 Resp: 131855

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

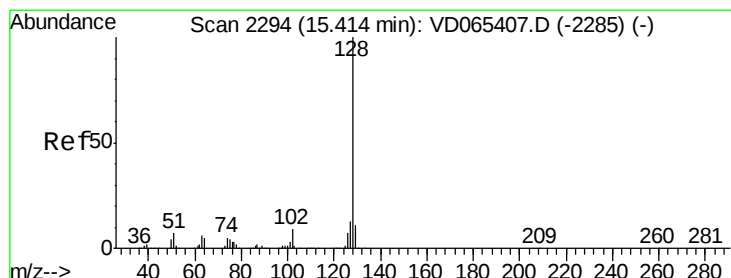
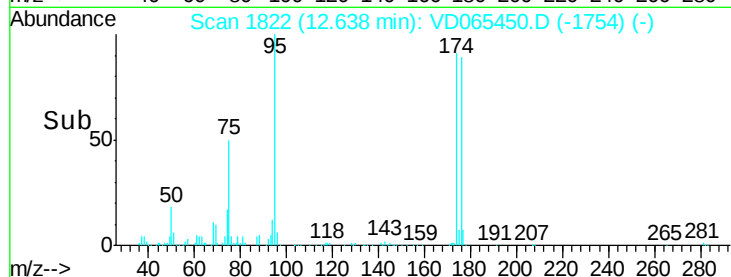
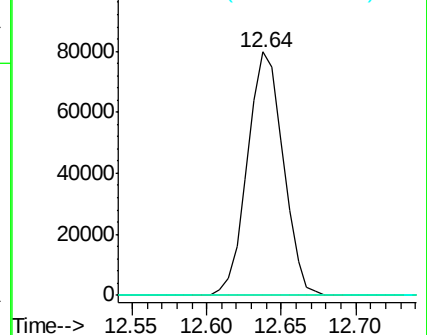
89 0.0 37.0 55.6#



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



#95

Naphthalene

Concen: 4.466 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD065450.D

Acq: 09 Mar 2020 15:23

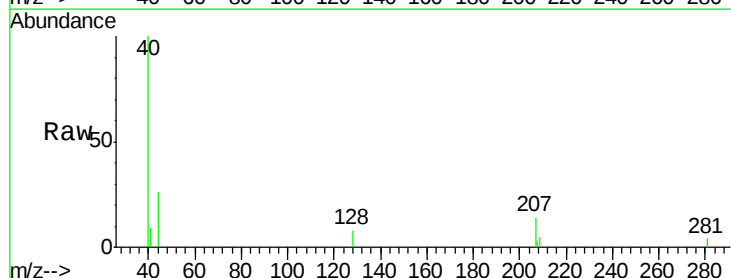
Tgt Ion:128 Resp: 585

Ion Ratio Lower Upper

128 100

127 11.5 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

