

Data File : VD065470.D
Acq On : 10 Mar 2020 18:51
Operator : VA/SY
Sample : L1873-03RE
Misc : 7.18G/5.00ml/MSVOA_D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-2

Quant Time: Mar 11 01:58:29 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	535228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	915547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	860551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	395856	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	269600	58.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.44%	
35) Dibromofluoromethane	7.92	113	299664	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
50) Toluene-d8	10.34	98	1130665	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
62) 4-Bromofluorobenzene	12.64	95	344662	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds

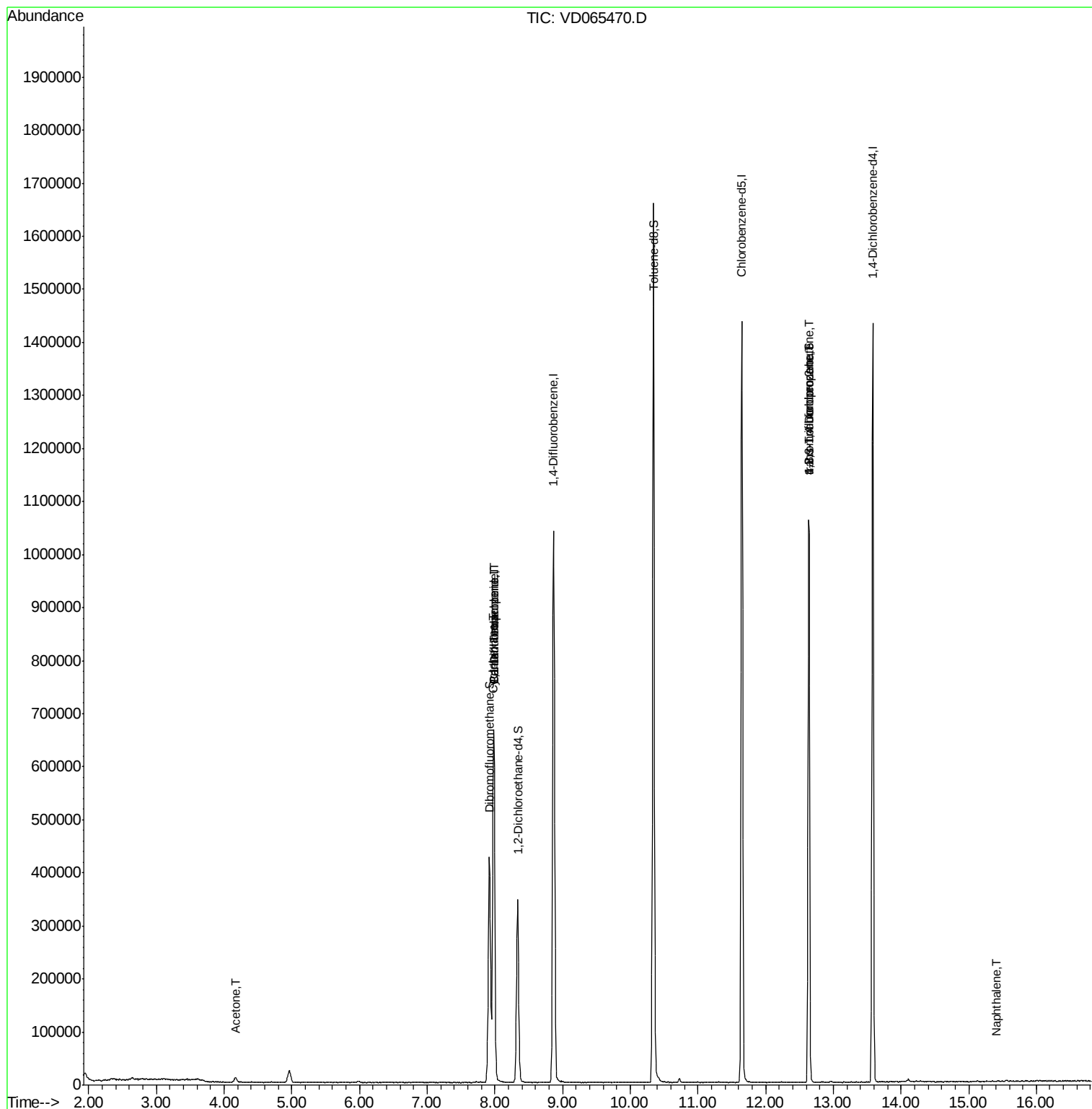
						Qvalue
5) Bromomethane	2.76	94	68	Below Cal	#	53
16) Acetone	4.17	43	14754	15.890	ug/l	98
20) Methylene Chloride	4.96	84	17280	Below Cal	#	92
31) Cyclohexane	7.97	56	10060	1.103	ug/l #	3
36) 1,1-Dichloropropene	7.98	75	38794	4.420	ug/l #	48
38) Carbon Tetrachloride	7.98	117	49429	5.431	ug/l #	19
76) 1,2,3-Trichloropropane	12.64	75	167821	53.726	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	167821	113.378	ug/l #	14
95) Naphthalene	15.41	128	550	4.446	ug/l #	69

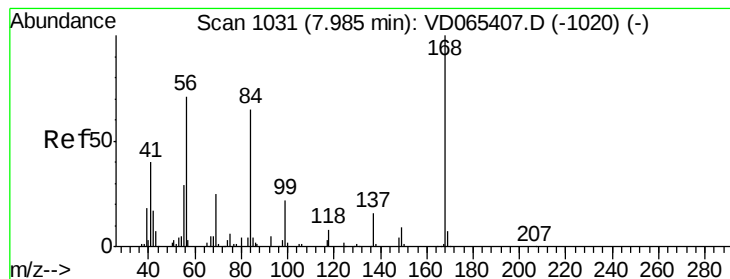
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VD065470.D
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ALS Vial : 13 Sample Multiplier: 1

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TP-2

Quant Time: Mar 11 01:58:29 2020
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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: VD065470.D

Acq: 10 Mar 2020 18:51

Instrument :

MSVOA_D

ClientSampleId :

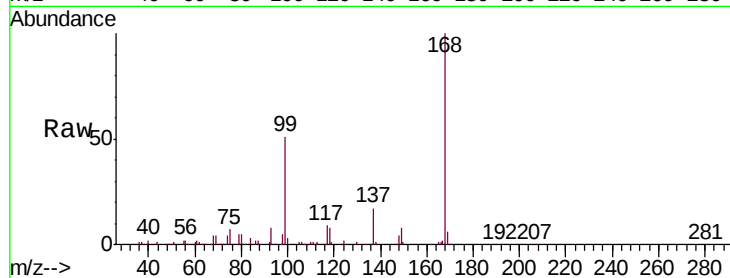
TP-2

Tgt Ion:168 Resp: 535228

Ion Ratio Lower Upper

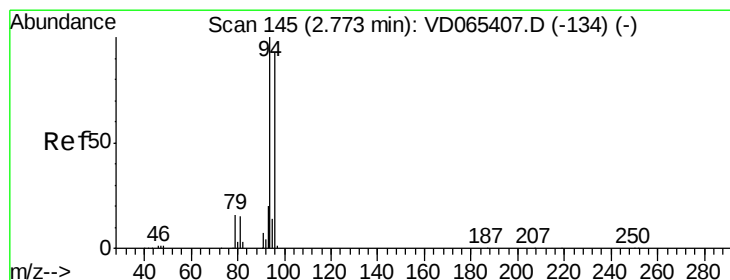
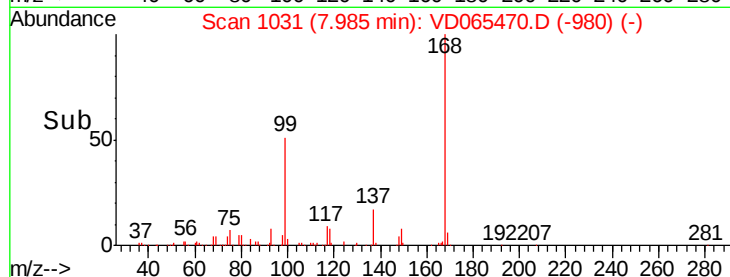
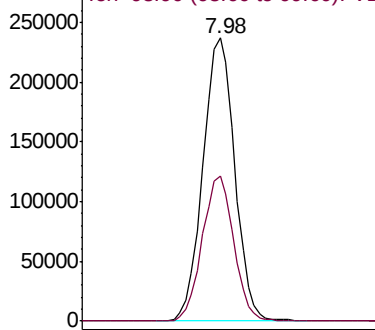
168 100

99 51.3 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065470.D

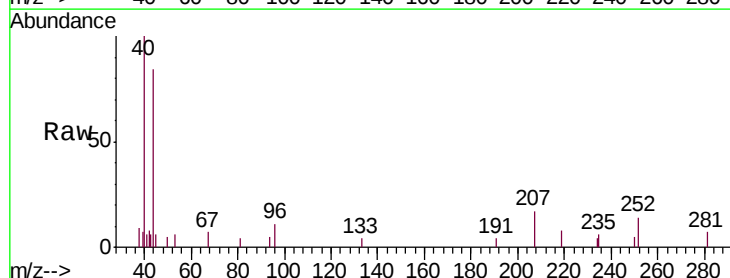
Acq: 10 Mar 2020 18:51

Tgt Ion: 94 Resp: 68

Ion Ratio Lower Upper

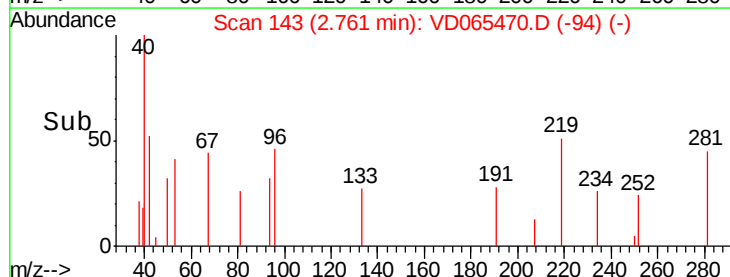
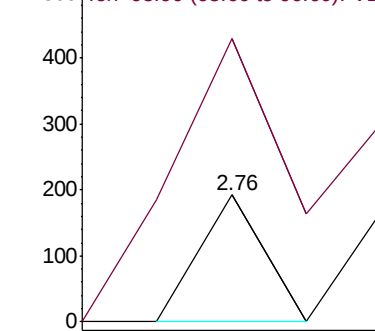
94 100

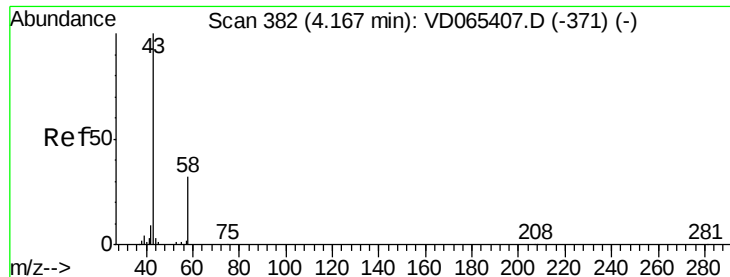
96 138.5 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 15.890 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065470.D

Acq: 10 Mar 2020 18:51

Instrument :

MSVOA_D

ClientSampleId :

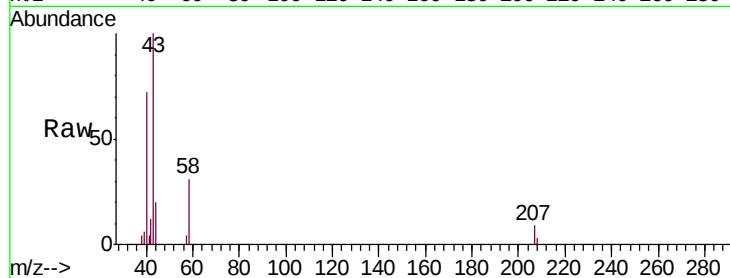
TP-2

Tgt Ion: 43 Resp: 14754

Ion Ratio Lower Upper

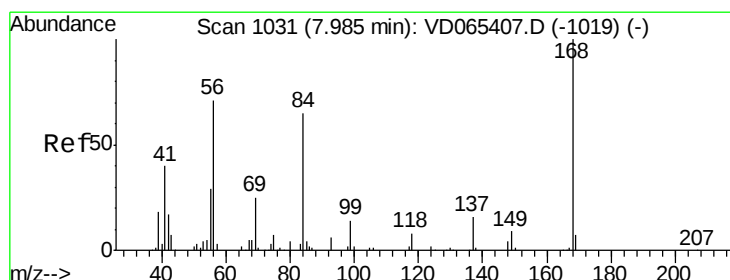
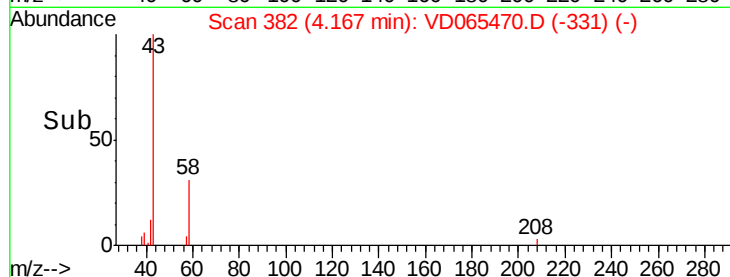
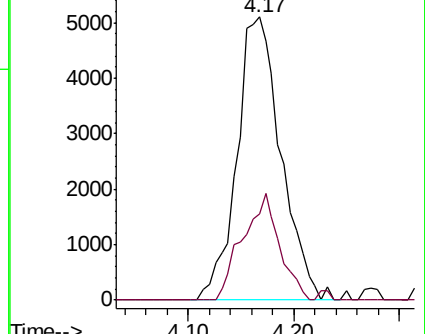
43 100

58 30.5 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: 1.103 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD065470.D

Acq: 10 Mar 2020 18:51

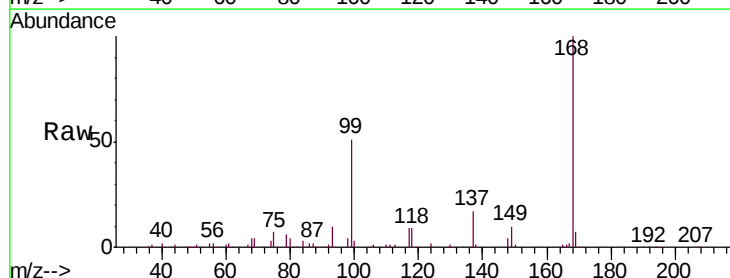
Tgt Ion: 56 Resp: 10060

Ion Ratio Lower Upper

56 100

69 169.1 28.3 42.5#

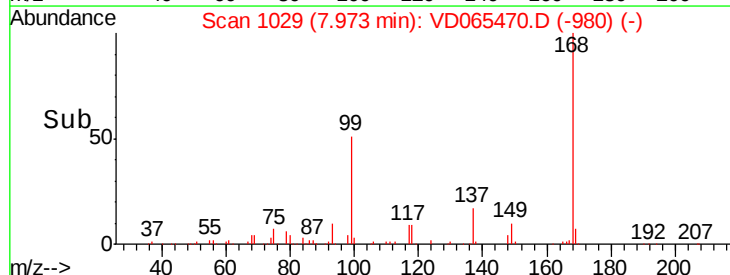
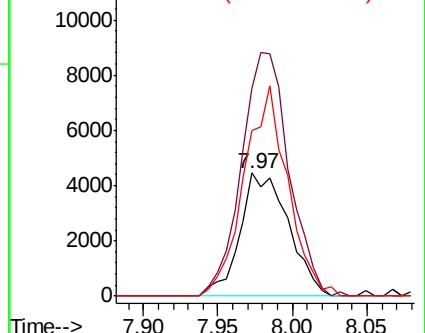
84 134.4 73.1 109.7#

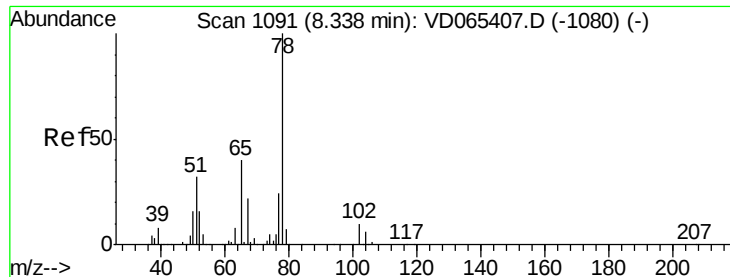


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

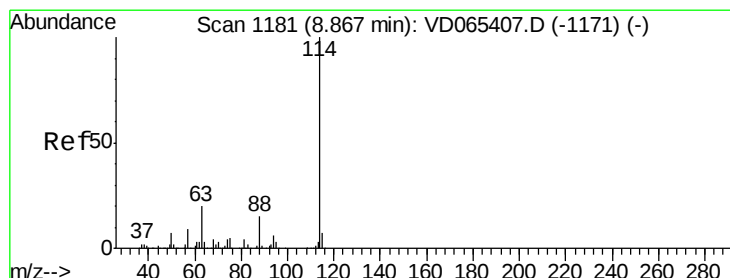
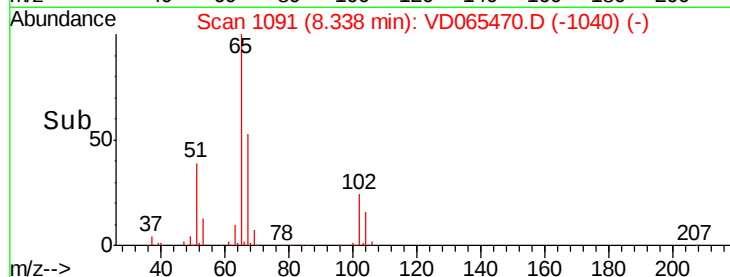
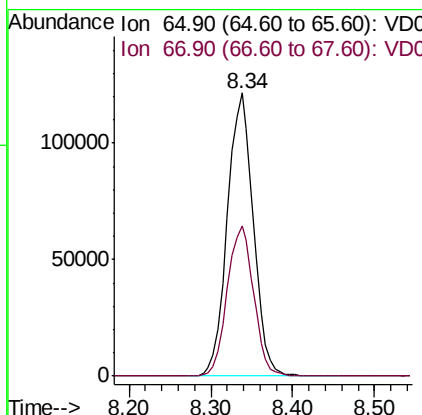
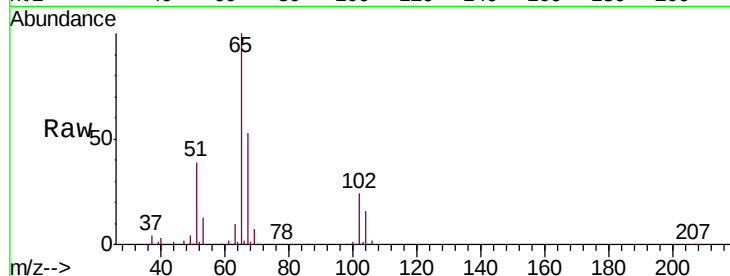




#33
 1,2-Dichloroethane-d4
 Concen: 58.721 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065470.D
 Acq: 10 Mar 2020 18:51

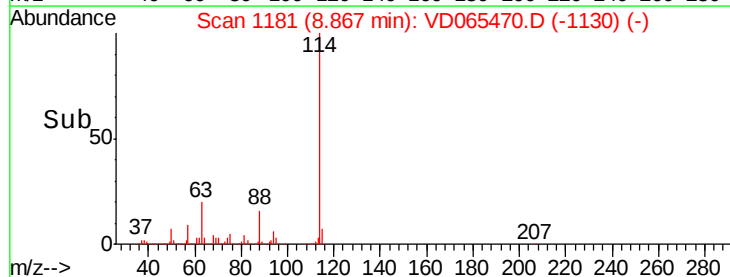
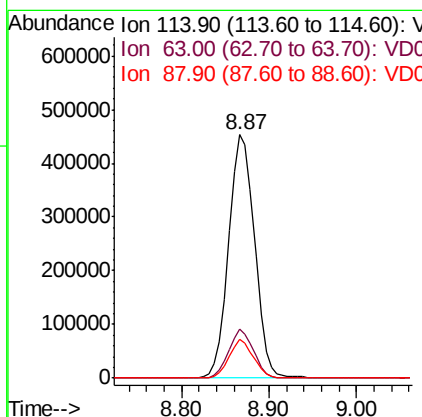
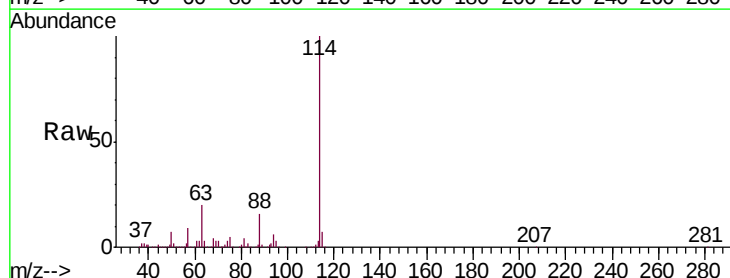
Instrument :
 MSVOA_D
 ClientSampled :
 TP-2

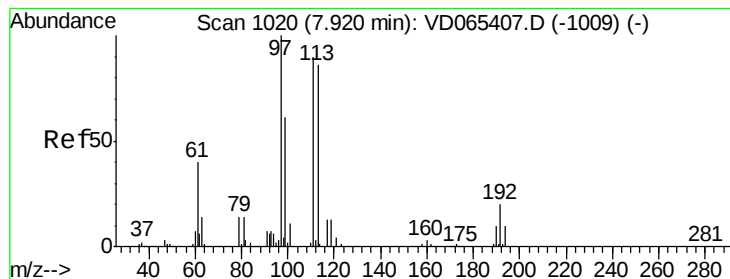
Tgt Ion: 65 Resp: 269600
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065470.D
 Acq: 10 Mar 2020 18:51

Tgt Ion: 114 Resp: 915547
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.6
 88 16.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.927 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065470.D

Acq: 10 Mar 2020 18:51

Instrument :

MSVOA_D

ClientSampleId :

TP-2

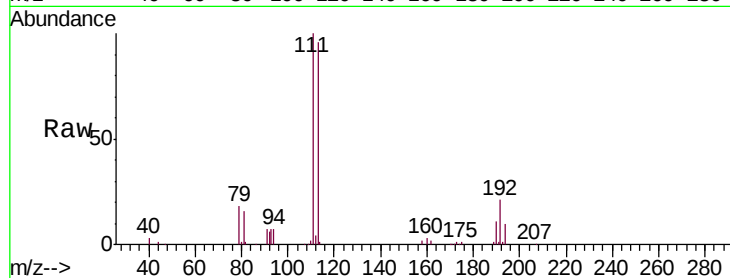
Tgt Ion:113 Resp: 299664

Ion Ratio Lower Upper

113 100

111 102.6 82.1 123.1

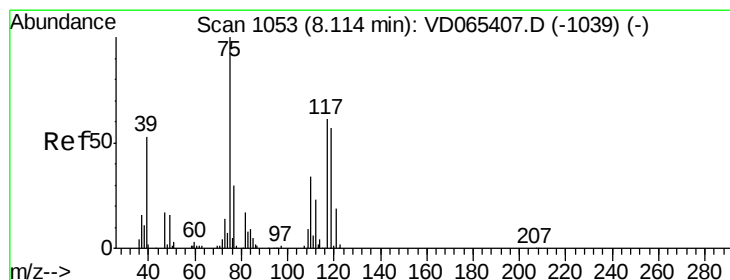
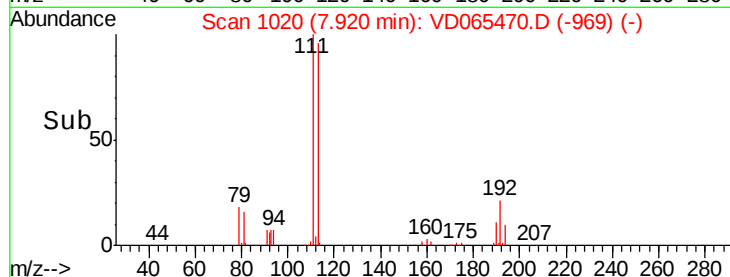
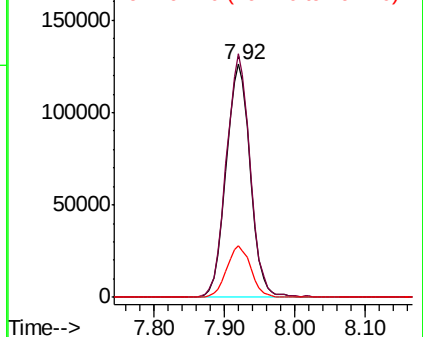
192 22.2 17.2 25.8



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: 4.420 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065470.D

Acq: 10 Mar 2020 18:51

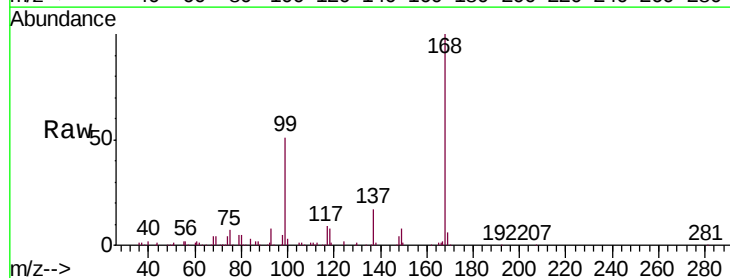
Tgt Ion: 75 Resp: 38794

Ion Ratio Lower Upper

75 100

110 8.2 18.1 54.1#

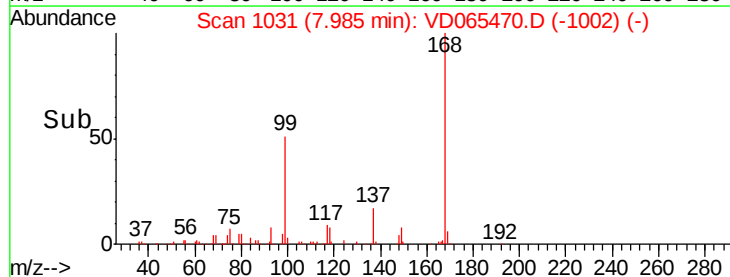
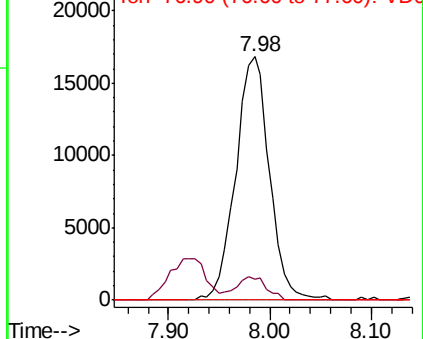
77 0.0 25.2 37.8#

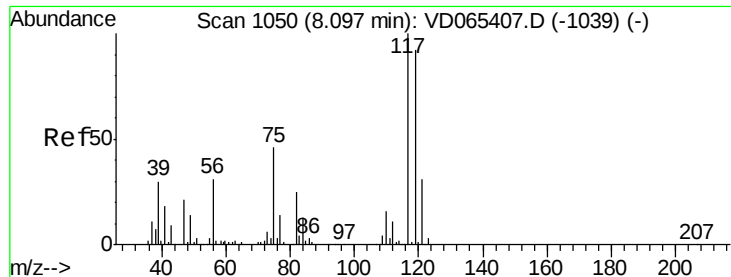


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.431 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065470.D

Acq: 10 Mar 2020 18:51

Instrument :

MSVOA_D

ClientSampleId :

TP-2

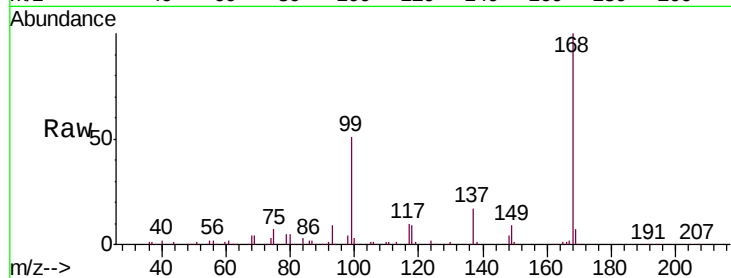
Tgt Ion:117 Resp: 49429

Ion Ratio Lower Upper

117 100

119 6.8 73.3 109.9#

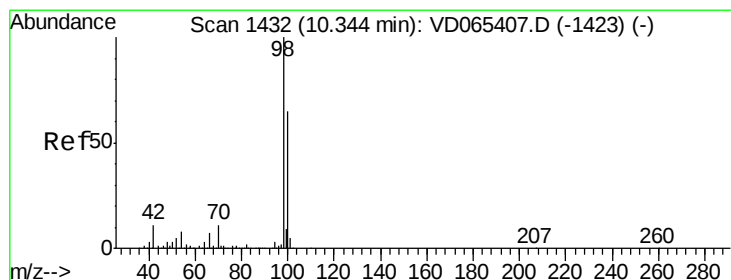
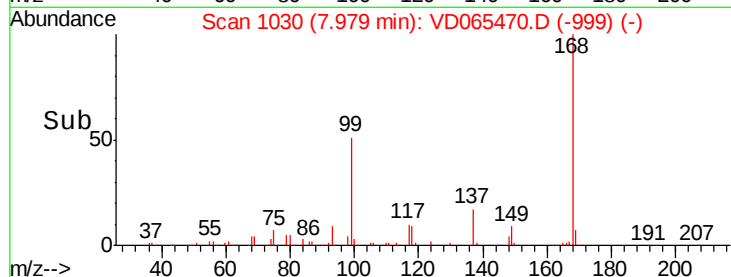
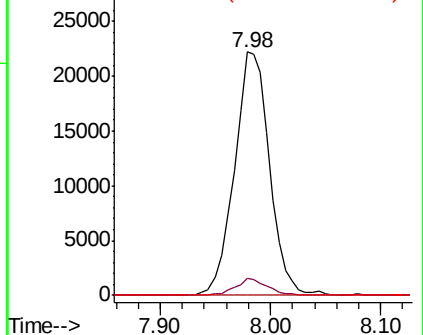
121 0.0 25.0 37.4#



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: 52.055 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065470.D

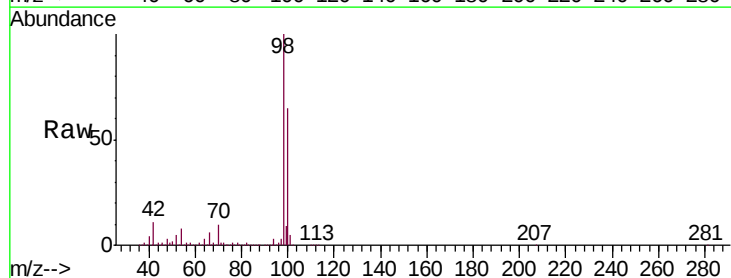
Acq: 10 Mar 2020 18:51

Tgt Ion: 98 Resp: 1130665

Ion Ratio Lower Upper

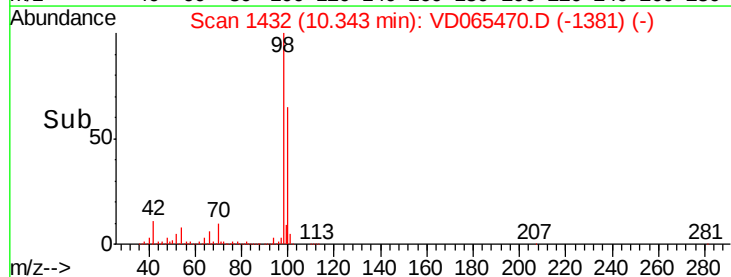
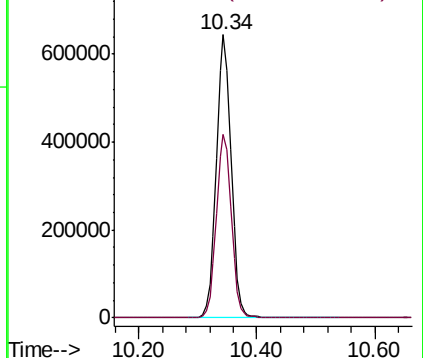
98 100

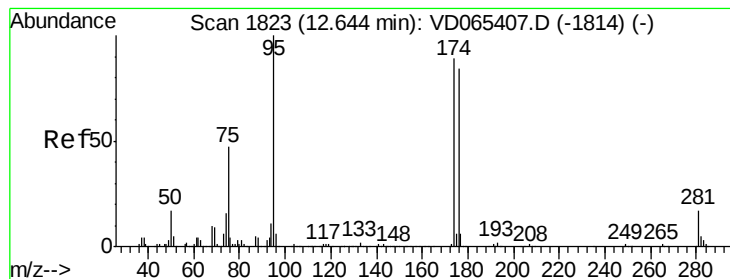
100 65.7 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 51.401 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065470.D

Acq: 10 Mar 2020 18:51

Instrument :

MSVOA_D

ClientSampleId :

TP-2

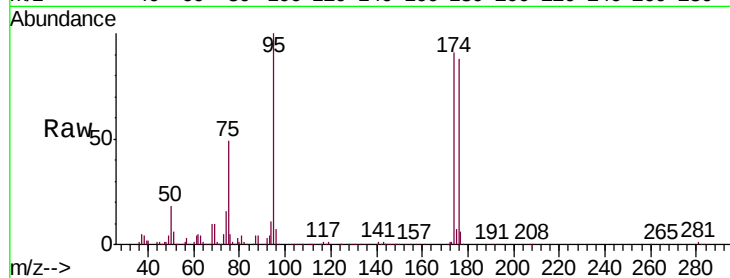
Tgt Ion: 95 Resp: 344662

Ion Ratio Lower Upper

95 100

174 91.4 0.0 176.8

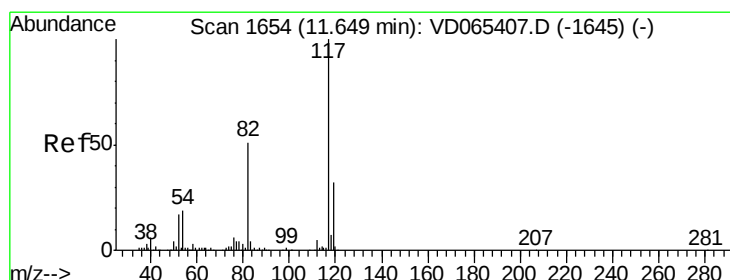
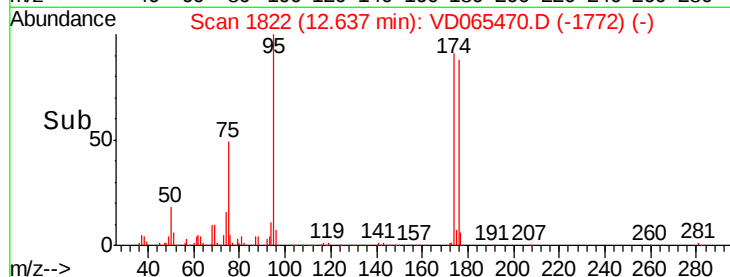
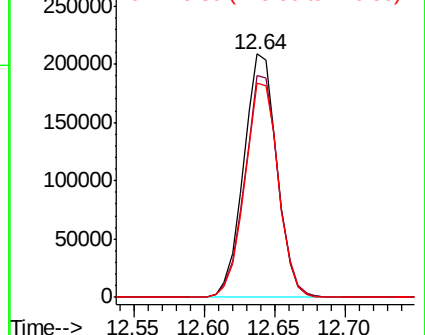
176 88.6 0.0 171.4



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: VD065470.D

Acq: 10 Mar 2020 18:51

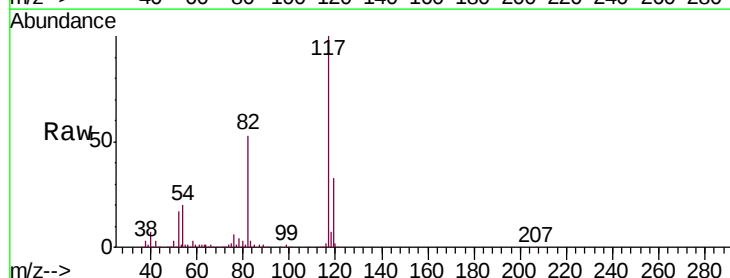
Tgt Ion: 117 Resp: 860551

Ion Ratio Lower Upper

117 100

82 53.3 40.6 60.8

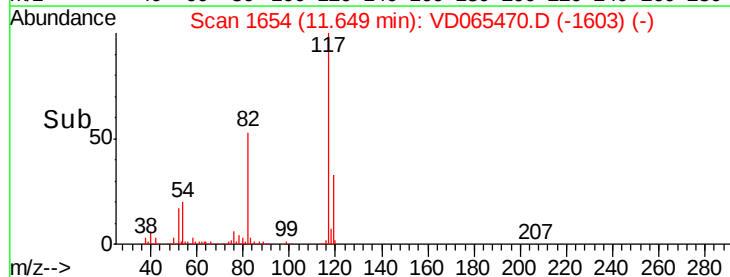
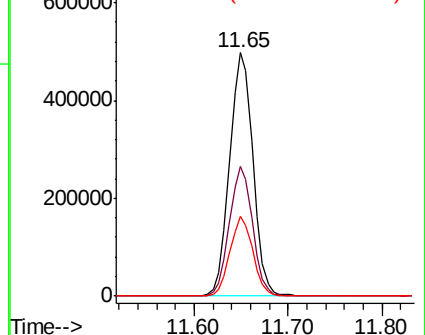
119 32.8 25.4 38.2

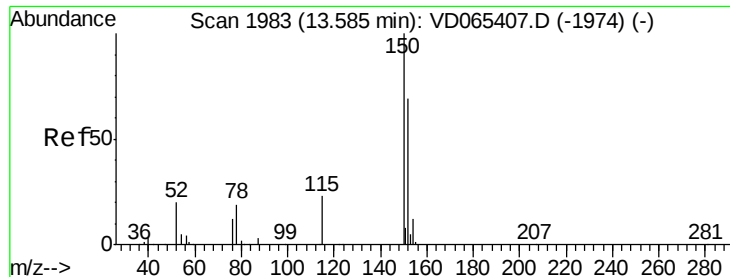


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD065470.D

Acq: 10 Mar 2020 18:51

Instrument :

MSVOA_D

ClientSampleId :

TP-2

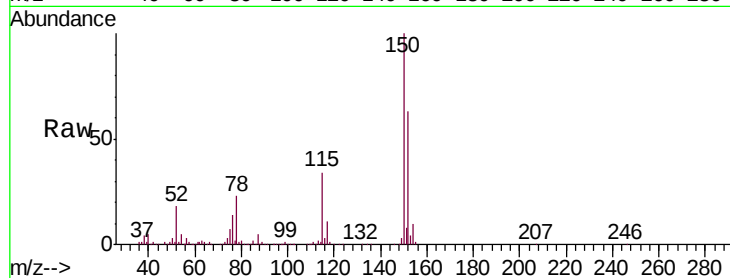
Tgt Ion: 152 Resp: 395856

Ion Ratio Lower Upper

152 100

115 54.7 27.6 82.8

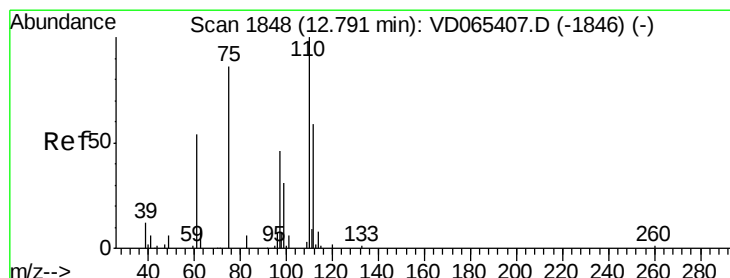
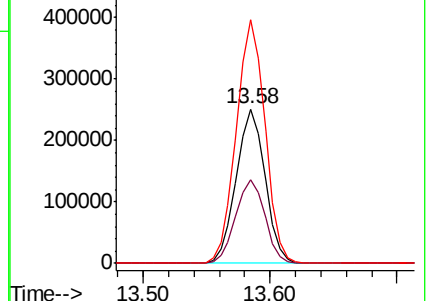
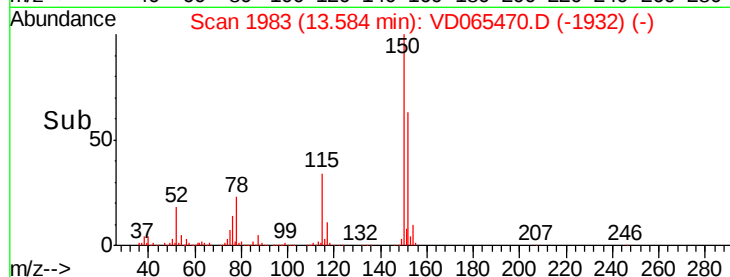
150 157.1 0.0 345.0



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: 53.726 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065470.D

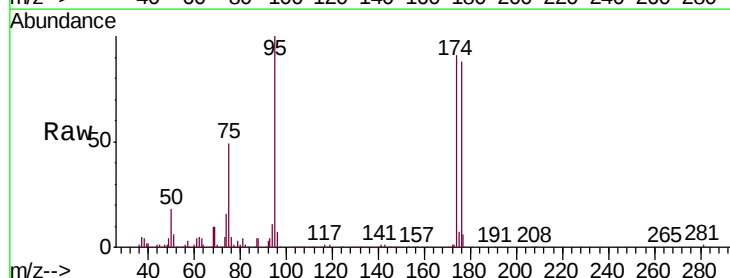
Acq: 10 Mar 2020 18:51

Tgt Ion: 75 Resp: 167821

Ion Ratio Lower Upper

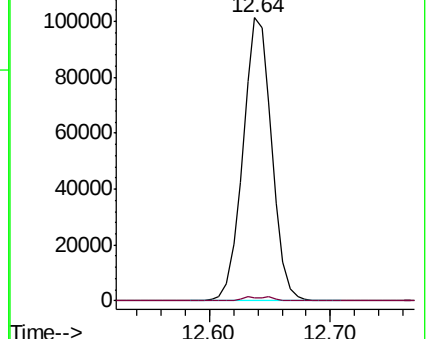
75 100

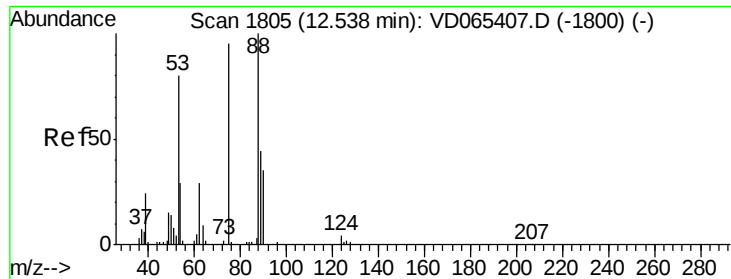
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

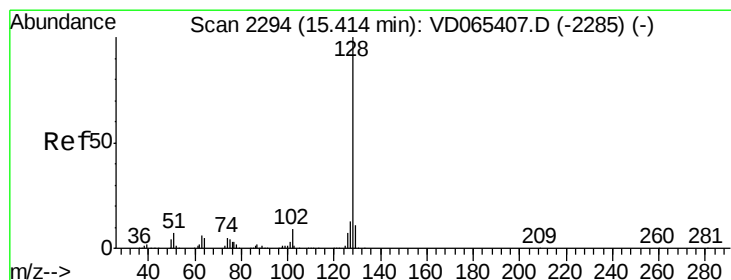
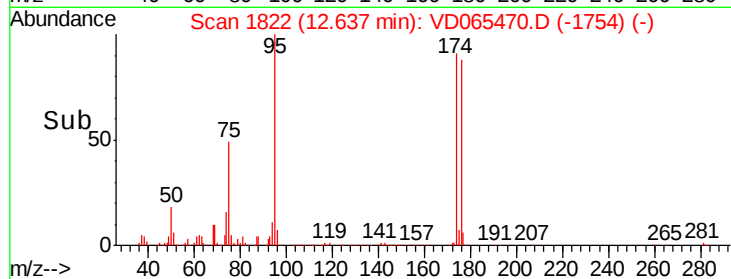
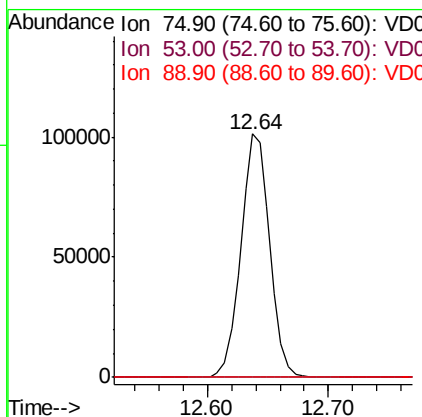
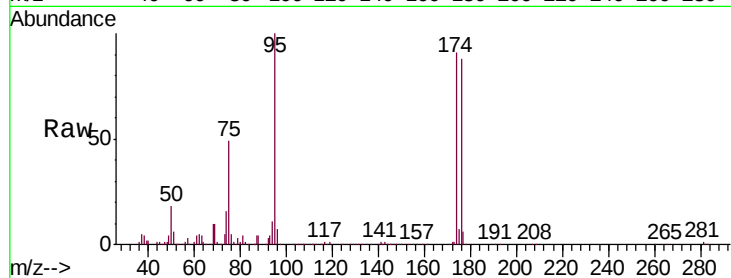




#81
trans-1,4-Dichloro-2-butene
Concen: 113.378 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.10 min
Lab File: VD065470.D
Acq: 10 Mar 2020 18:51

Instrument :
MSVOA_D
ClientSampled :
TP-2

Tgt Ion: 75 Resp: 167821
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 4.446 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065470.D
Acq: 10 Mar 2020 18:51

Tgt Ion: 128 Resp: 550
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

