

Data File : VD065465.D
Acq On : 10 Mar 2020 16:27
Operator : VA/SY
Sample : L1873-05
Misc : 6.33G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Quant Time: Mar 11 01:57:04 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	530638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	923126	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	862336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	379074	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	278970	61.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.58%	
35) Dibromofluoromethane	7.92	113	303060	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
50) Toluene-d8	10.34	98	1138703	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.64	95	332925	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	

Target Compounds

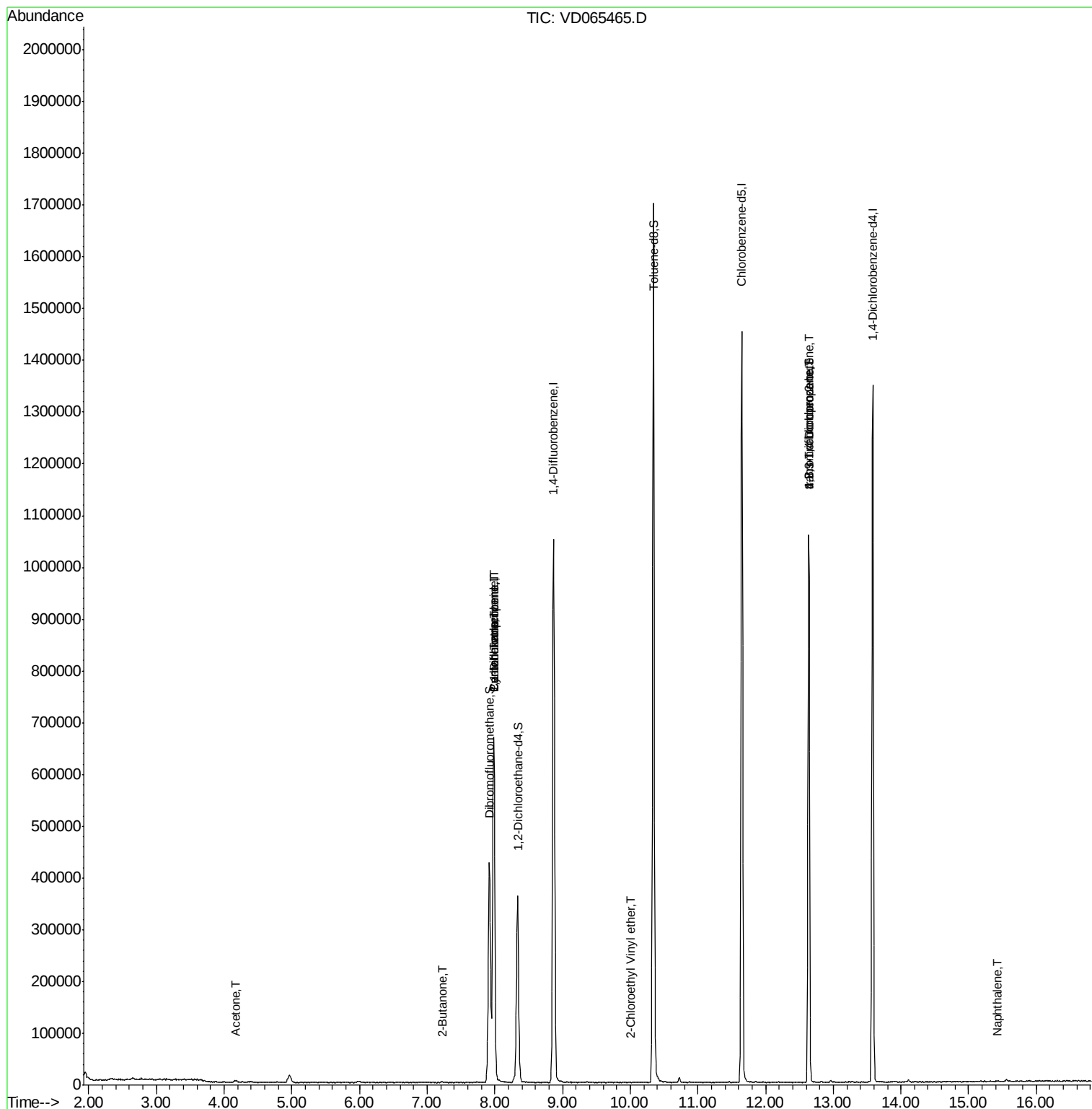
						Qvalue
5) Bromomethane	2.77	94	795	Below Cal		86
16) Acetone	4.17	43	6400	6.952 ug/l		92
20) Methylene Chloride	4.96	84	11023	Below Cal		94
25) 2-Butanone	7.23	43	1821	1.450 ug/l #		47
31) Cyclohexane	7.98	56	10109	1.118 ug/l #		1
36) 1,1-Dichloropropene	7.98	75	37608	4.250 ug/l #		48
38) Carbon Tetrachloride	7.98	117	48674	5.305 ug/l #		18
58) 2-Chloroethyl Vinyl ether	10.01	63	60	2.220 ug/l #		46
76) 1,2,3-Trichloropropane	12.64	75	161626	54.034 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.64	75	161626	114.027 ug/l #		14
95) Naphthalene	15.41	128	1318	4.505 ug/l #		74

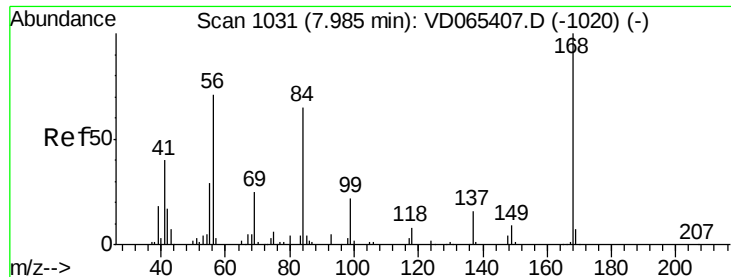
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VD065465.D
Acq On : 10 Mar 2020 16:27
Operator : VA/SY
Sample : L1873-05
Misc : 6.33G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Quant Time: Mar 11 01:57:04 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065465.D

Acq: 10 Mar 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

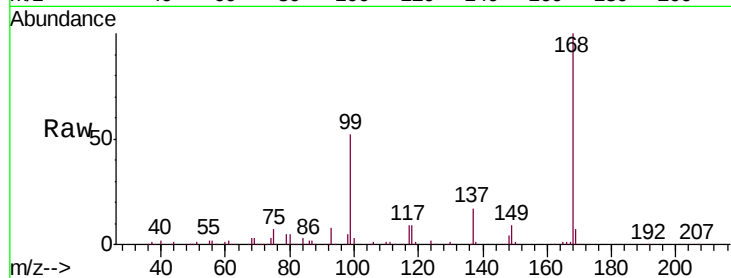
TP-3

Tgt Ion:168 Resp: 530638

Ion Ratio Lower Upper

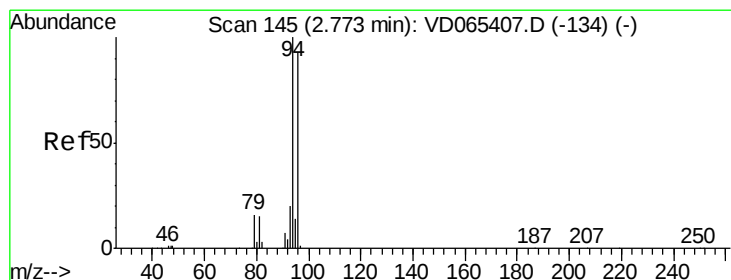
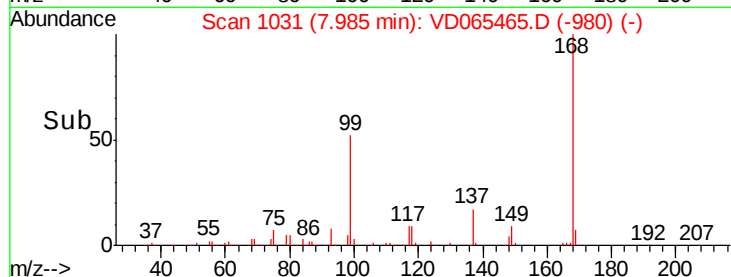
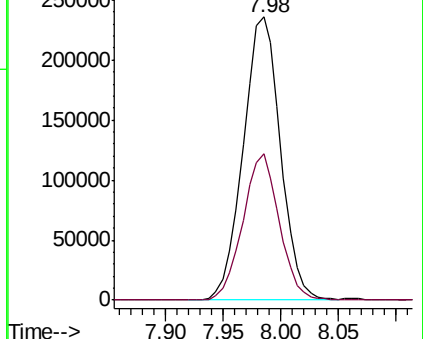
168 100

99 51.7 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: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065465.D

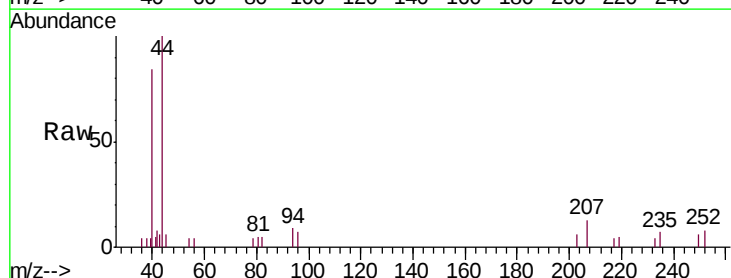
Acq: 10 Mar 2020 16:27

Tgt Ion: 94 Resp: 795

Ion Ratio Lower Upper

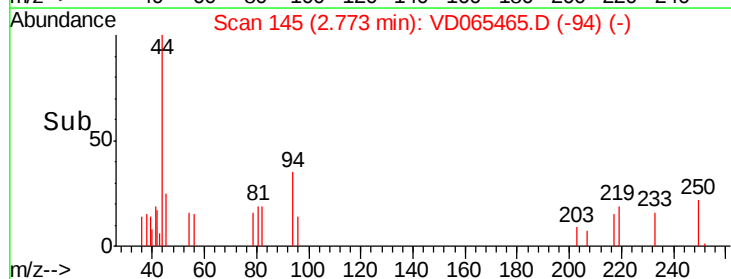
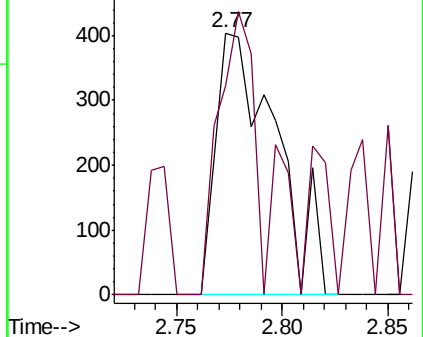
94 100

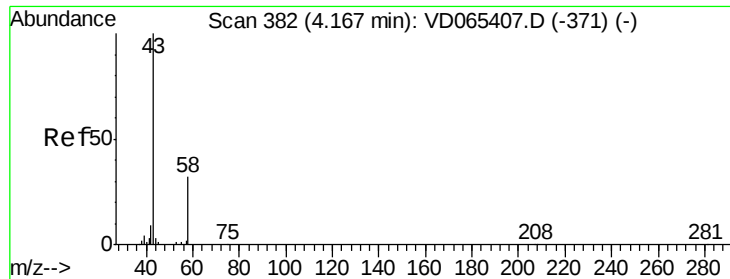
96 79.7 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 6.952 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065465.D

Acq: 10 Mar 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

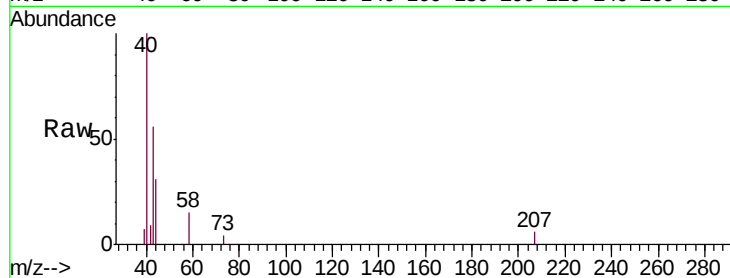
TP-3

Tgt Ion: 43 Resp: 6400

Ion Ratio Lower Upper

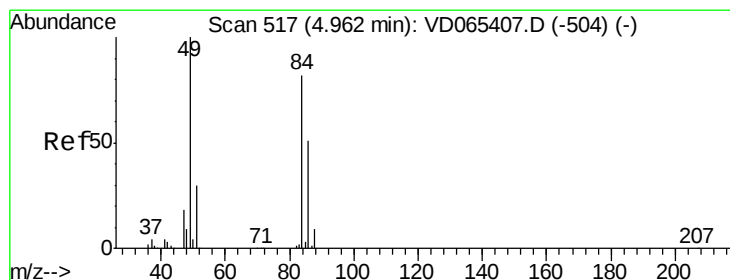
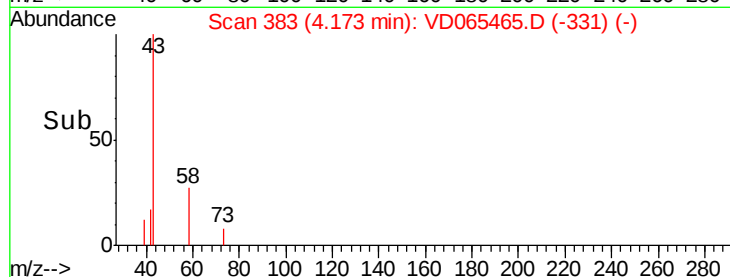
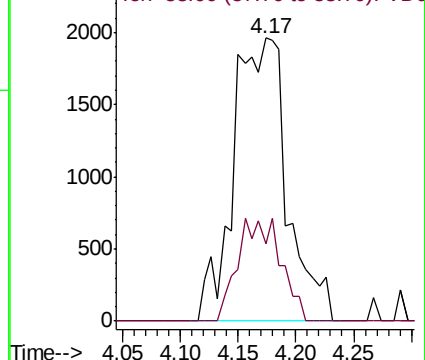
43 100

58 27.2 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# 517

Delta R.T. 0.00 min

Lab File: VD065465.D

Acq: 10 Mar 2020 16:27

Tgt Ion: 84 Resp: 11023

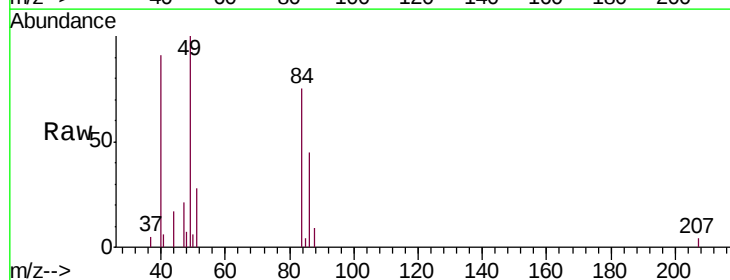
Ion Ratio Lower Upper

84 100

49 132.9 97.7 146.5

51 37.8 28.8 43.2

86 60.4 49.5 74.3

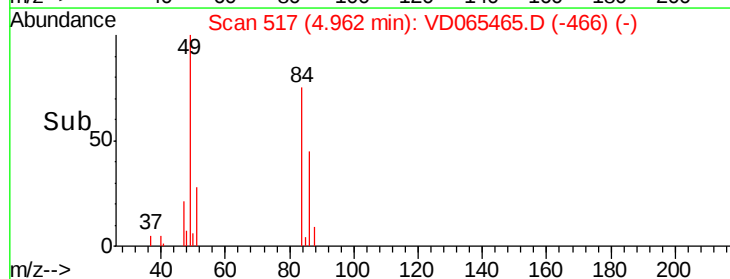
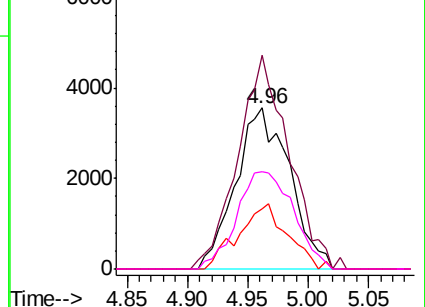


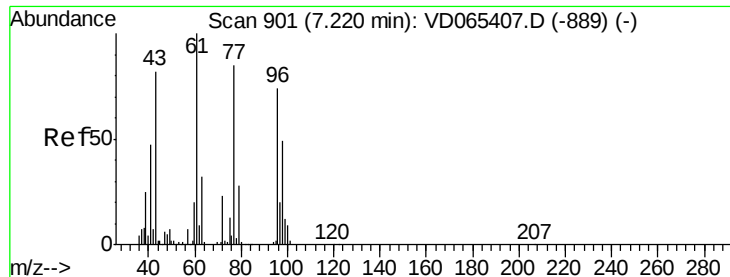
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 1.450 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065465.D

Acq: 10 Mar 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

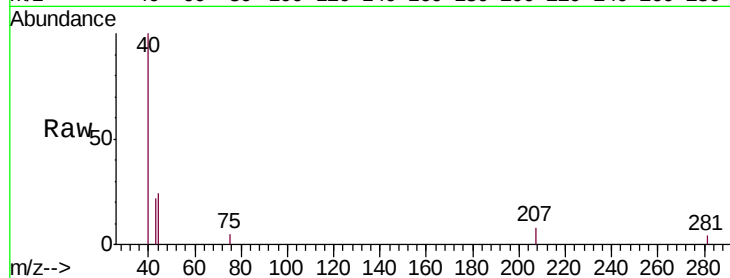
TP-3

Tgt Ion: 43 Resp: 1821

Ion Ratio Lower Upper

43 100

72 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

800

600

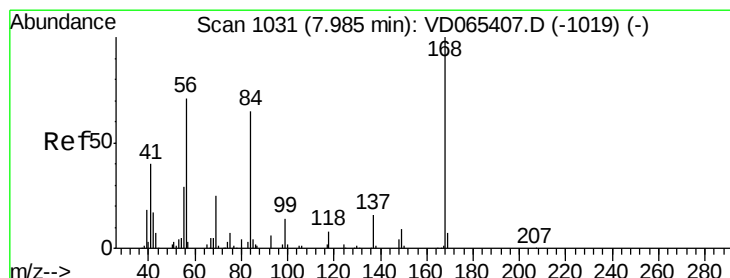
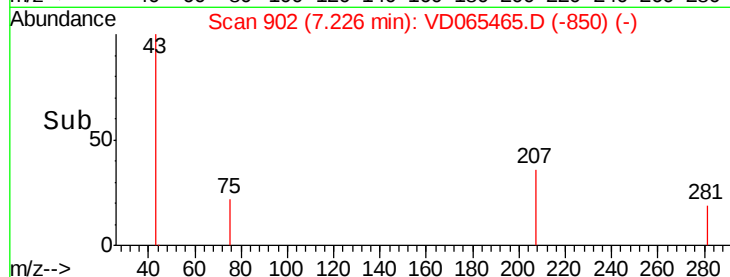
400

200

0

7.15 7.20 7.25 7.30

Time-->



#31

Cyclohexane

Concen: 1.118 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065465.D

Acq: 10 Mar 2020 16:27

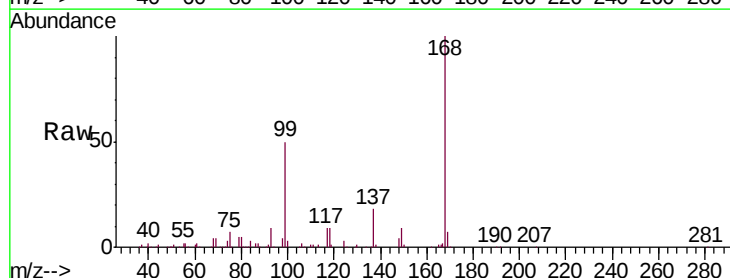
Tgt Ion: 56 Resp: 10109

Ion Ratio Lower Upper

56 100

69 202.9 28.3 42.5#

84 142.5 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

12000

10000

8000

6000

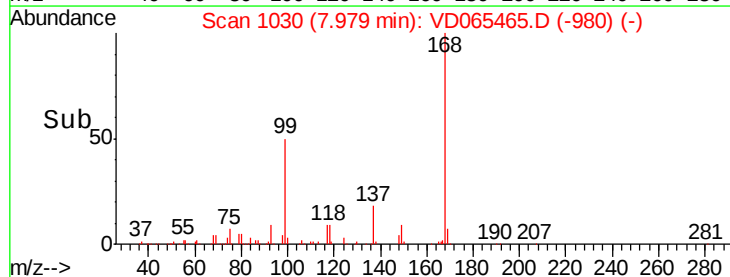
4000

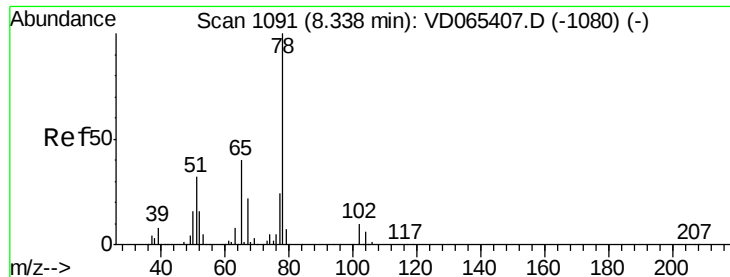
2000

0

7.90 7.95 8.00 8.05

Time-->

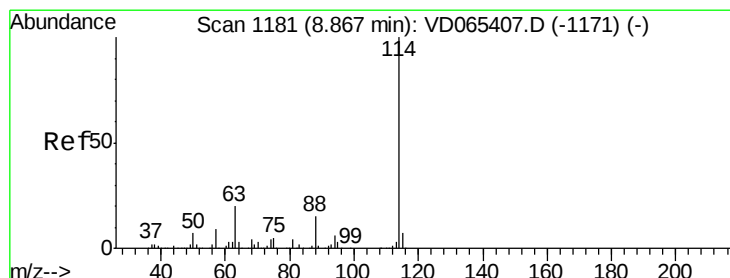
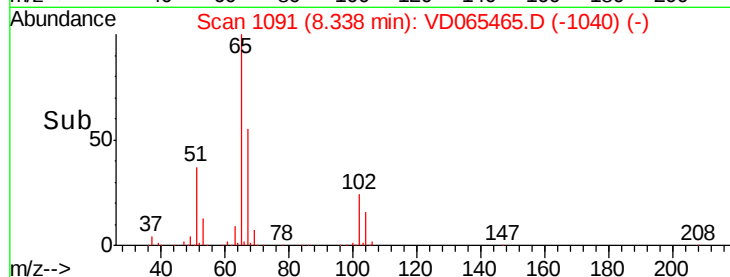
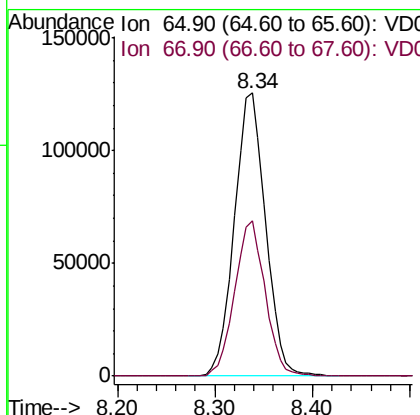
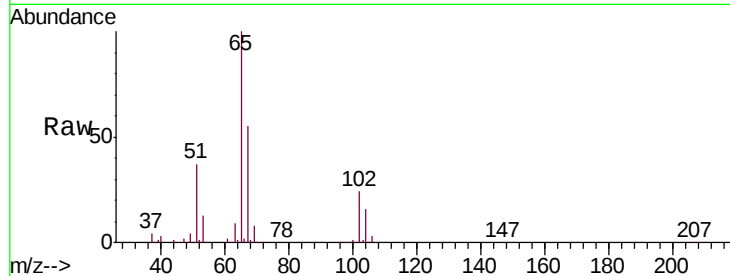




#33
 1,2-Dichloroethane-d4
 Concen: 61.288 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065465.D
 Acq: 10 Mar 2020 16:27

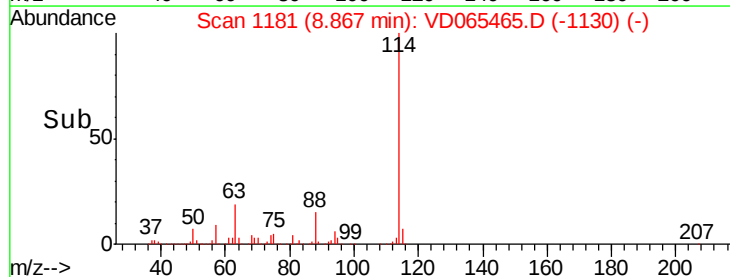
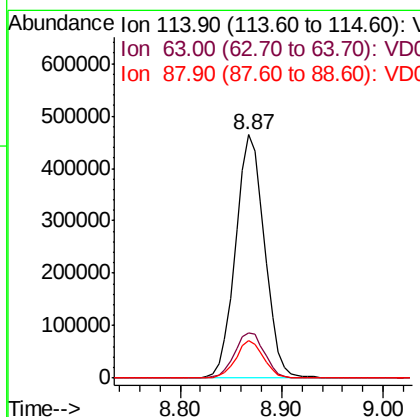
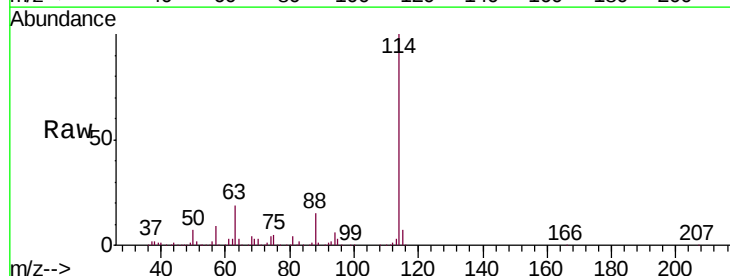
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

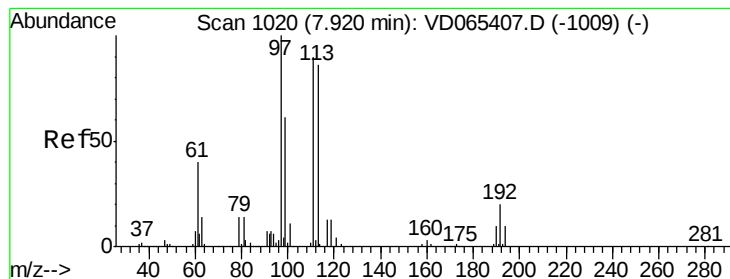
Tgt Ion: 65 Resp: 278970
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065465.D
 Acq: 10 Mar 2020 16:27

Tgt Ion: 114 Resp: 923126
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.6
 88 15.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 53.088 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065465.D

Acq: 10 Mar 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

TP-3

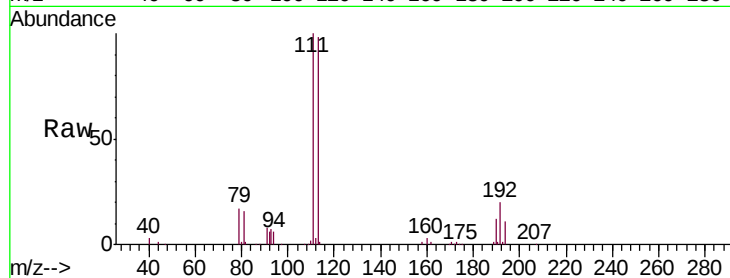
Tgt Ion:113 Resp: 303060

Ion Ratio Lower Upper

113 100

111 102.9 82.1 123.1

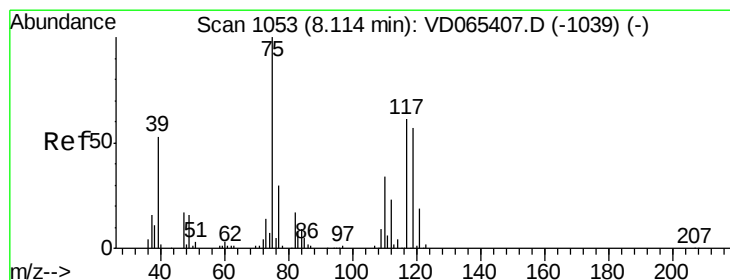
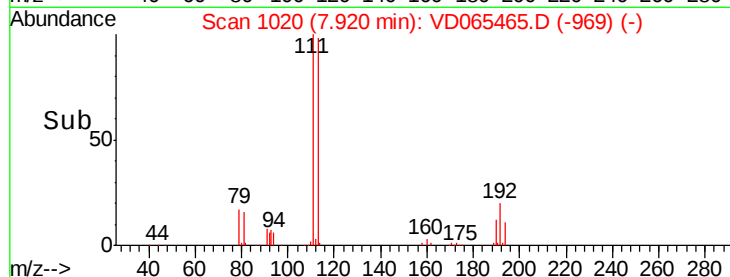
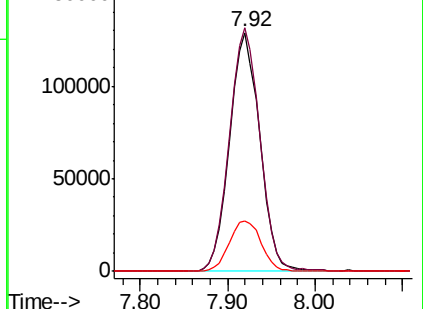
192 22.2 17.2 25.8



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: 4.250 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065465.D

Acq: 10 Mar 2020 16:27

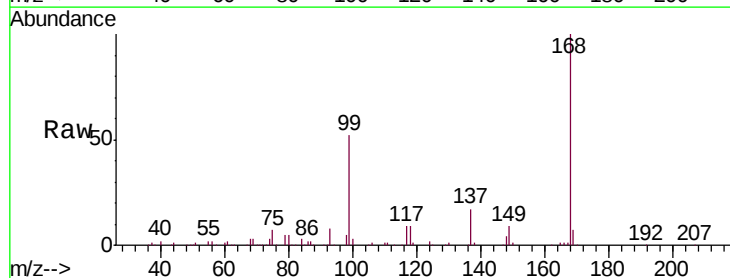
Tgt Ion: 75 Resp: 37608

Ion Ratio Lower Upper

75 100

110 8.5 18.1 54.1#

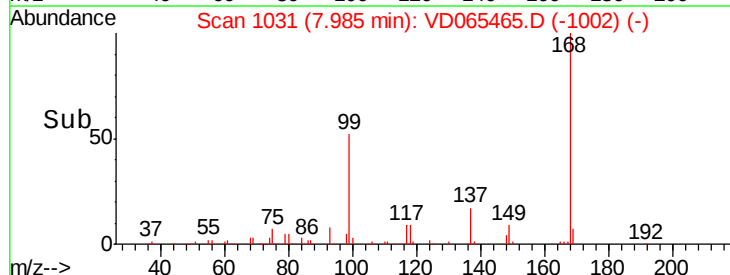
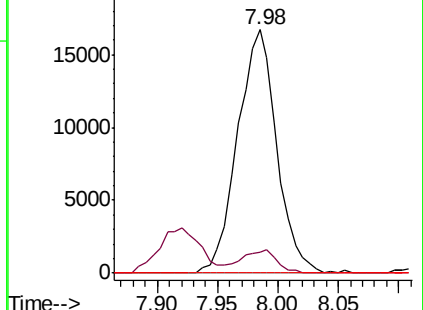
77 0.0 25.2 37.8#

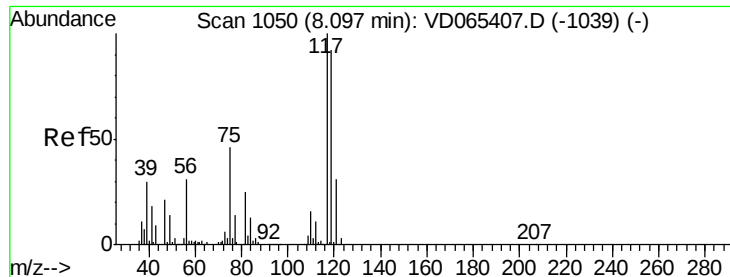


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.305 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065465.D

Acq: 10 Mar 2020 16:27

Instrument :

MSVOA_D

ClientSampled :

TP-3

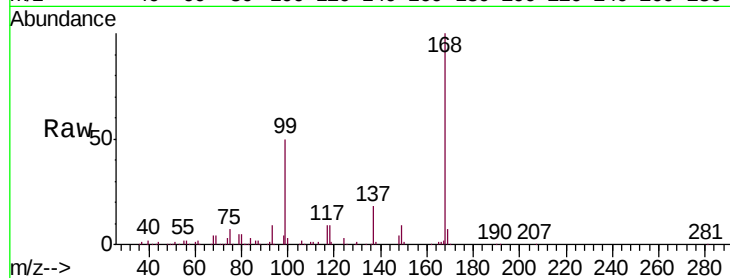
Tgt Ion:117 Resp: 48674

Ion Ratio Lower Upper

117 100

119 5.9 73.3 109.9#

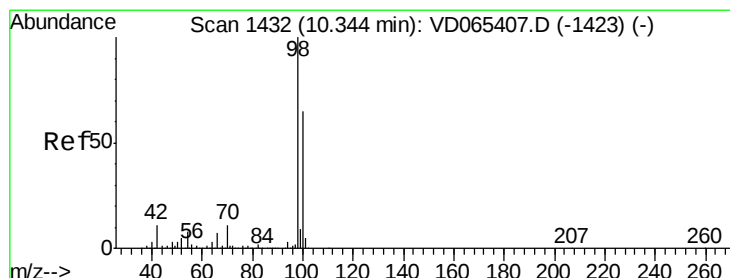
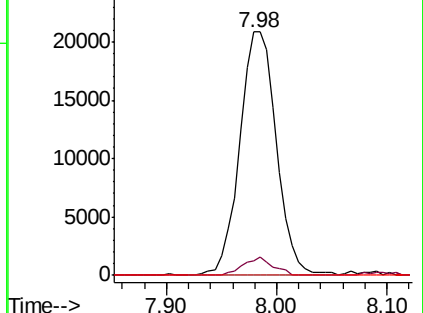
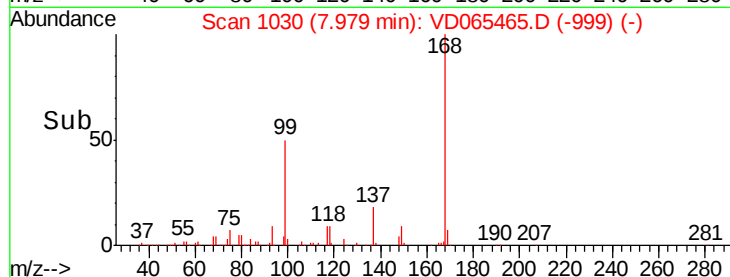
121 0.0 25.0 37.4#



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: 51.994 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065465.D

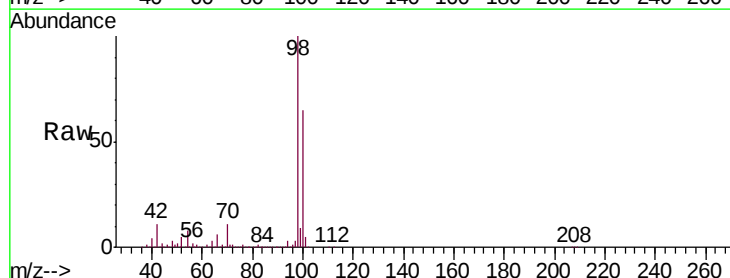
Acq: 10 Mar 2020 16:27

Tgt Ion: 98 Resp: 1138703

Ion Ratio Lower Upper

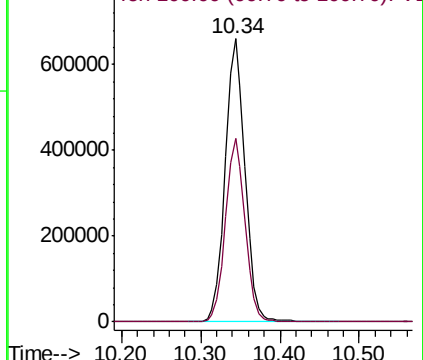
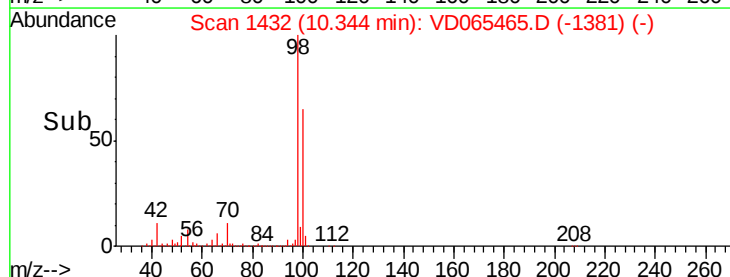
98 100

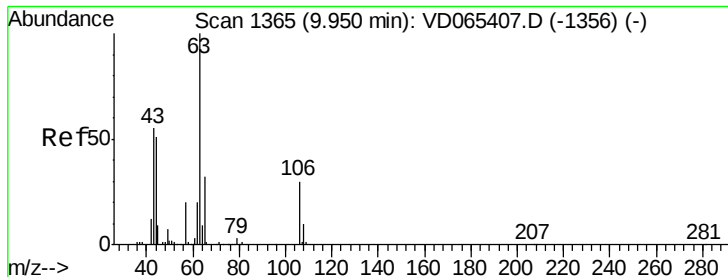
100 64.5 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

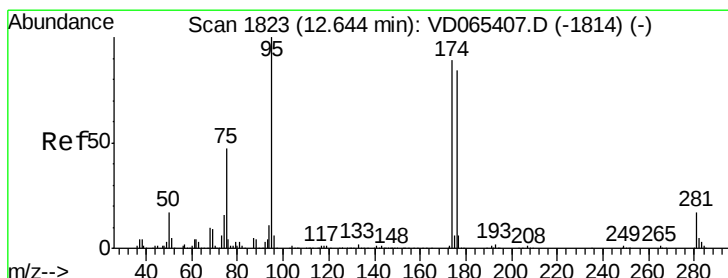
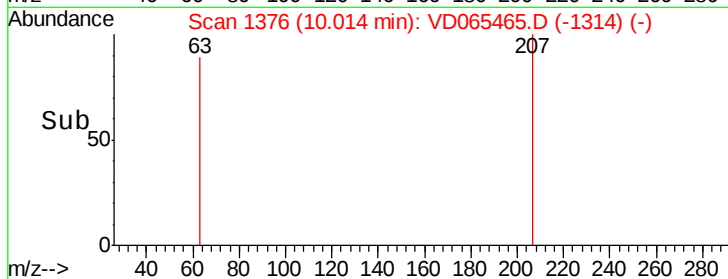
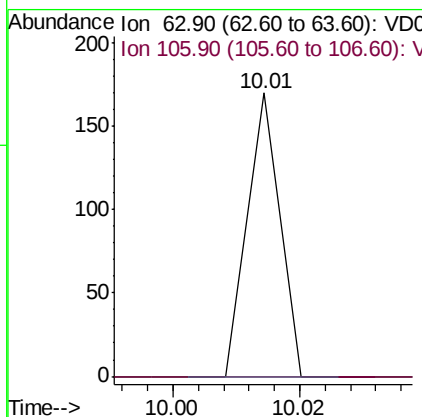
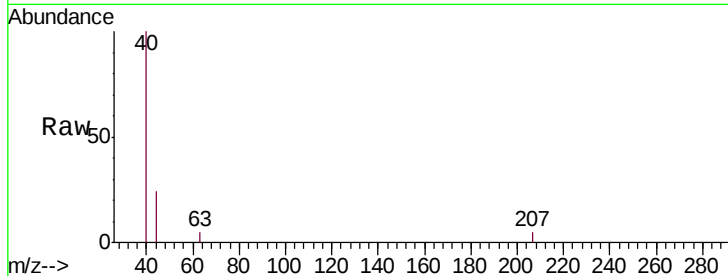




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.220 ug/l
 RT: 10.01 min Scan# 1376
 Delta R.T. 0.07 min
 Lab File: VD065465.D
 Acq: 10 Mar 2020 16:27

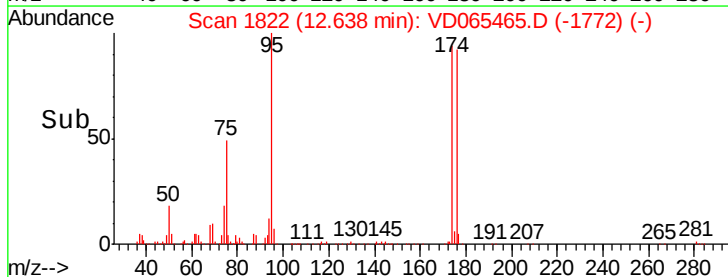
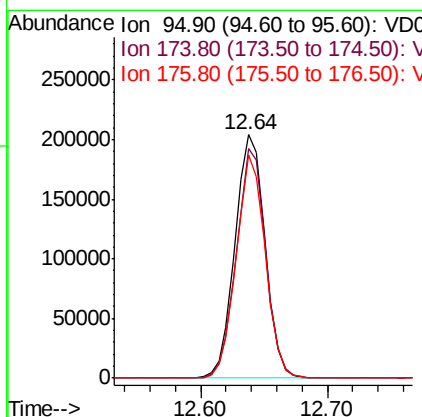
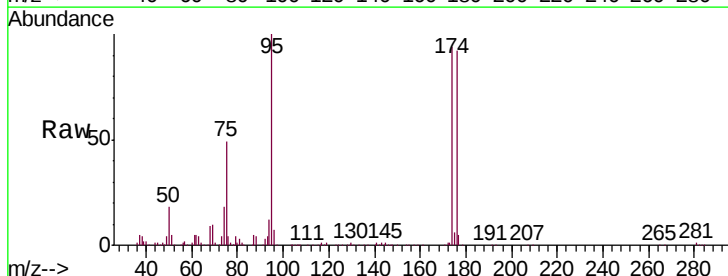
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

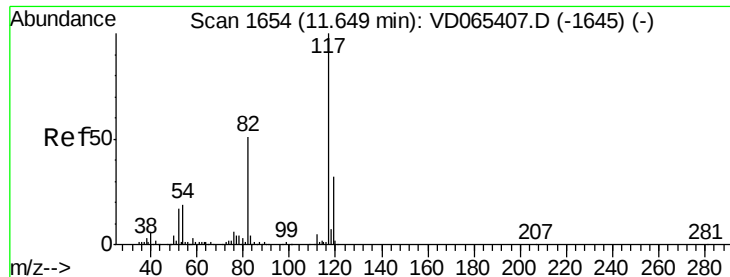
Tgt Ion: 63 Resp: 60
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.3 34.9#



#62
 4-Bromofluorobenzene
 Concen: 49.243 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065465.D
 Acq: 10 Mar 2020 16:27

Tgt Ion: 95 Resp: 332925
 Ion Ratio Lower Upper
 95 100
 174 92.4 0.0 176.8
 176 88.9 0.0 171.4

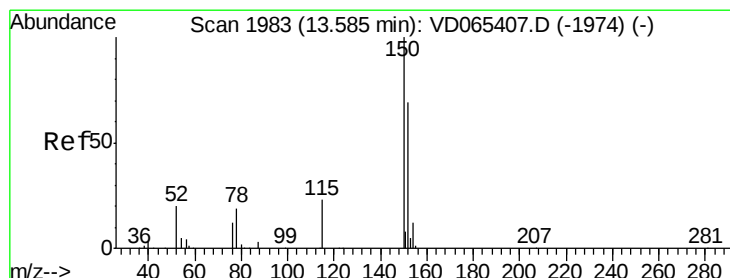
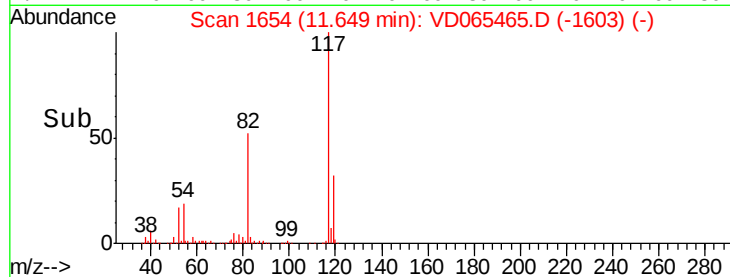
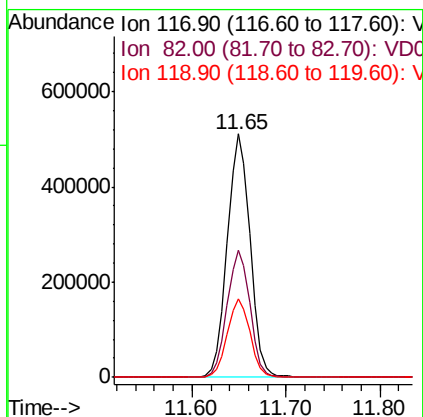
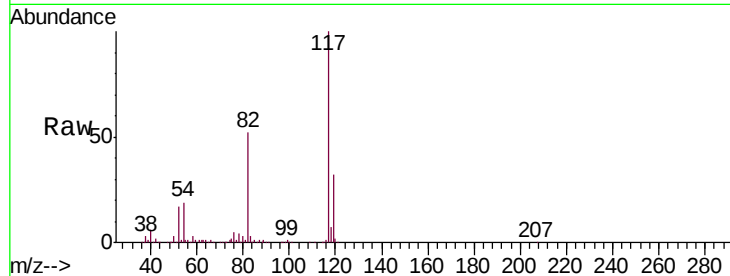




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065465.D
Acq: 10 Mar 2020 16:27

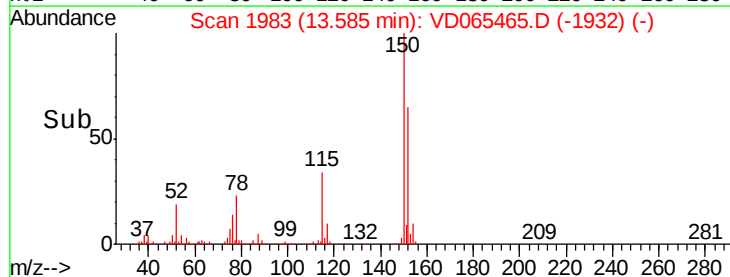
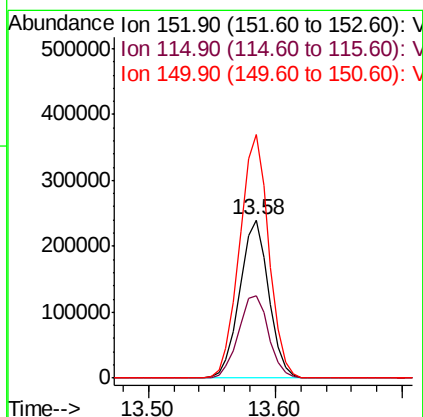
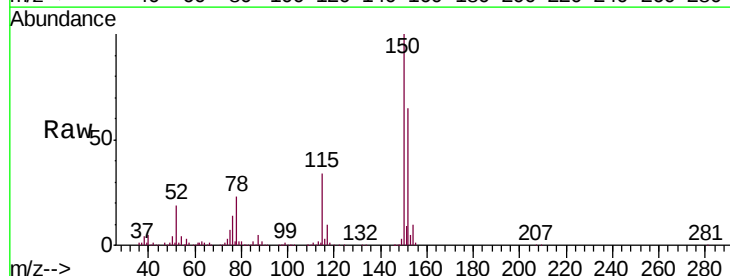
Instrument :
MSVOA_D
ClientSampleId :
TP-3

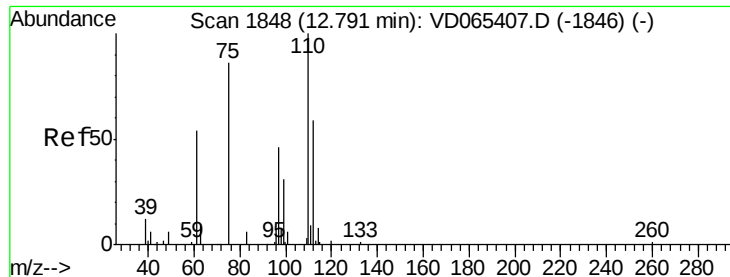
Tgt Ion:117 Resp: 862336
Ion Ratio Lower Upper
117 100
82 52.1 40.6 60.8
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065465.D
Acq: 10 Mar 2020 16:27

Tgt Ion:152 Resp: 379074
Ion Ratio Lower Upper
152 100
115 54.1 27.6 82.8
150 155.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 54.034 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065465.D

Acq: 10 Mar 2020 16:27

Instrument :

MSVOA_D

ClientSampled :

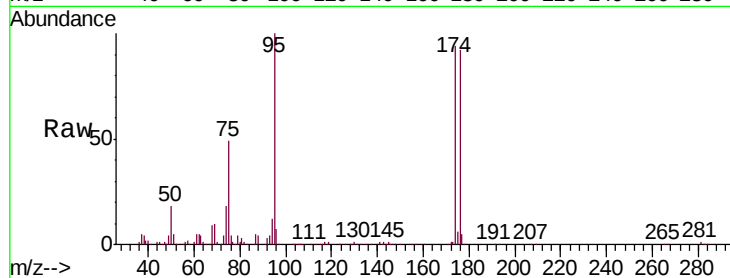
TP-3

Tgt Ion: 75 Resp: 161626

Ion Ratio Lower Upper

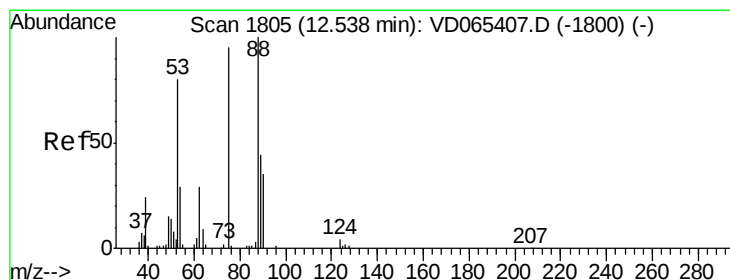
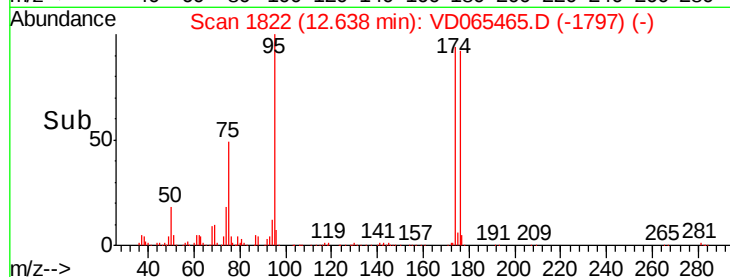
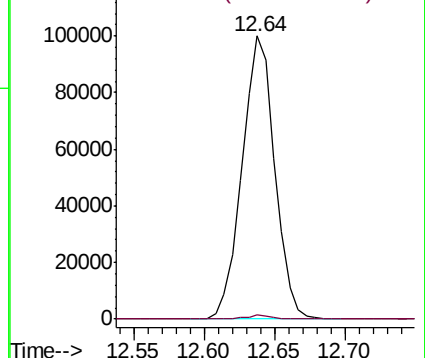
75 100

77 1.3 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: 114.027 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065465.D

Acq: 10 Mar 2020 16:27

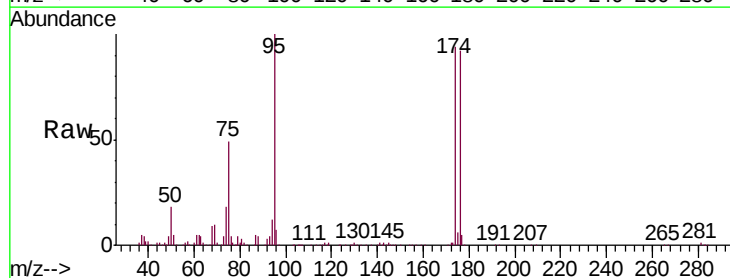
Tgt Ion: 75 Resp: 161626

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

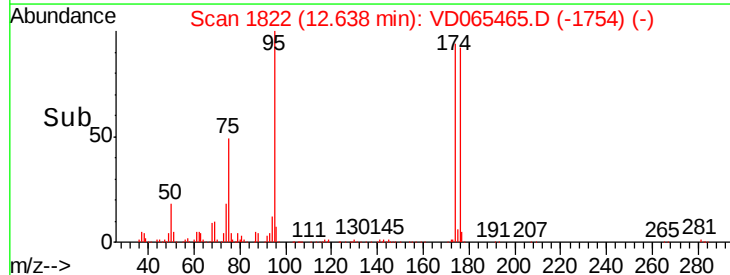
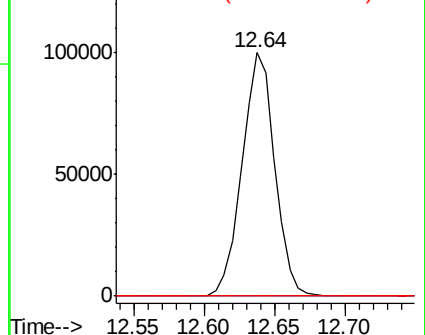
89 0.0 37.0 55.6#

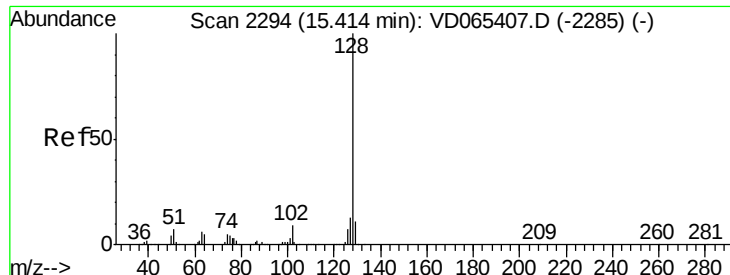


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 4.505 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065465.D

Acq: 10 Mar 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

TP-3

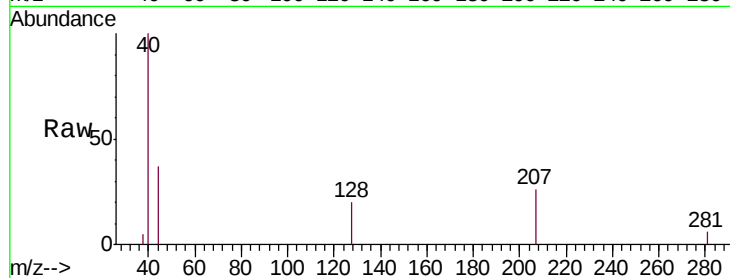
Tgt Ion:128 Resp: 1318

Ion Ratio Lower Upper

128 100

127 4.0 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

