

Data File : VD065466.D
Acq On : 10 Mar 2020 16:56
Operator : VA/SY
Sample : L1864-01
Misc : 7.85G/5.00ml/MSVOA_D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SP-1

Quant Time: Mar 11 01:57:22 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	483619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	850349	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	774752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	328608	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	262107	63.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.36%	
35) Dibromofluoromethane	7.92	113	282334	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
50) Toluene-d8	10.34	98	1027055	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.64	95	298946	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	

Target Compounds

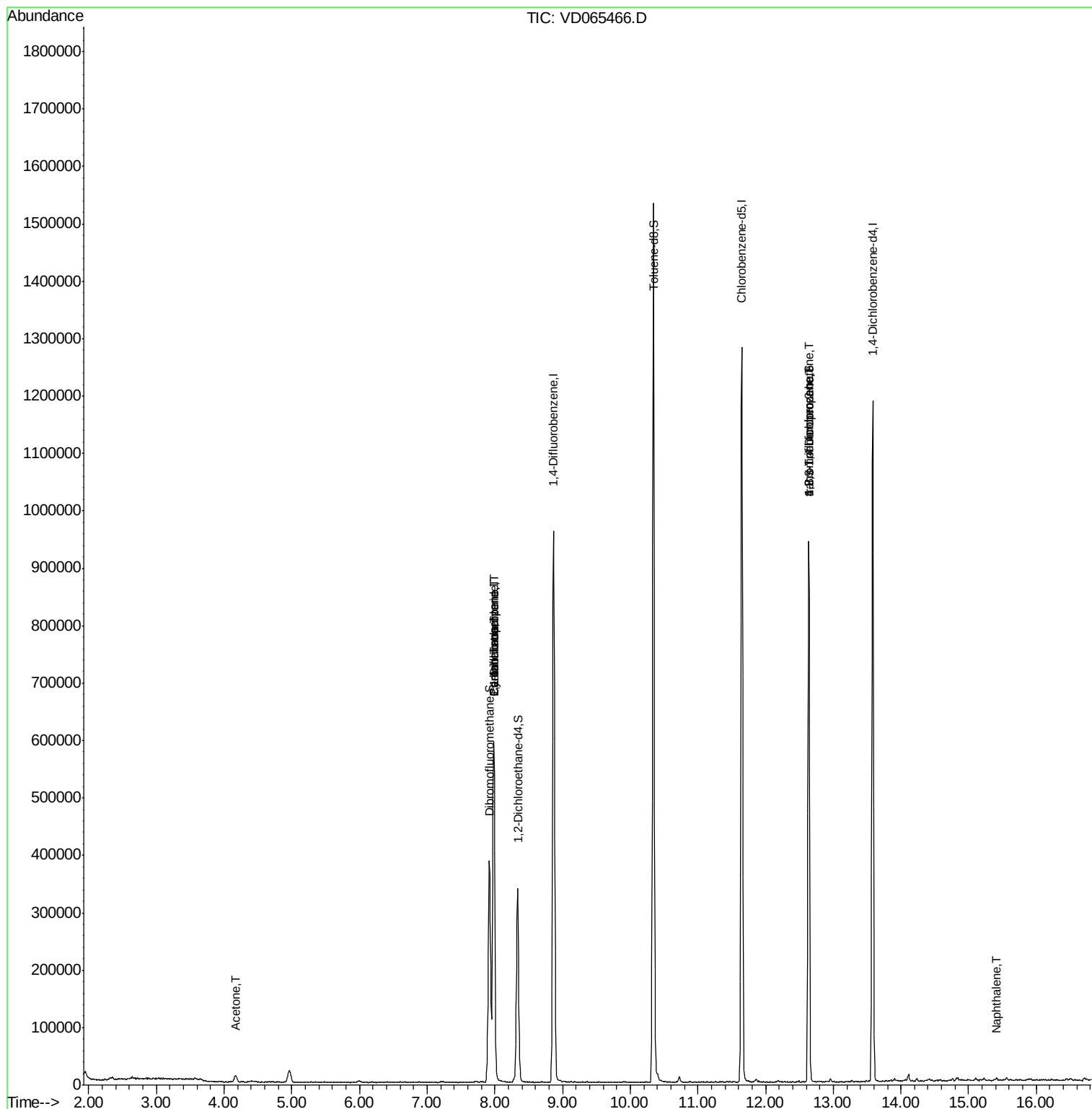
						Qvalue
5) Bromomethane	2.79	94	533	Below Cal	#	47
16) Acetone	4.17	43	20276	24.167	ug/l	91
31) Cyclohexane	7.99	56	8950	1.086	ug/l #	1
36) 1,1-Dichloropropene	7.99	75	33619	4.124	ug/l #	49
38) Carbon Tetrachloride	7.99	117	43139	5.104	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	146748	56.594	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	146748	119.430	ug/l #	14
95) Naphthalene	15.41	128	3844	4.737	ug/l #	88

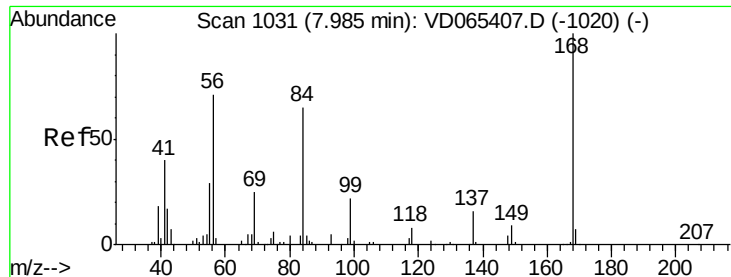
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065466.D

Acq: 10 Mar 2020 16:56

Instrument :

MSVOA_D

ClientSampled :

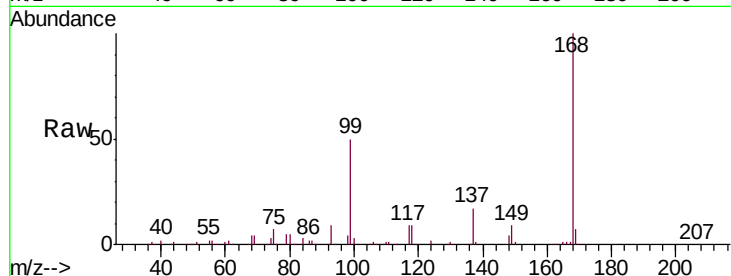
SP-1

Tgt Ion:168 Resp: 483619

Ion Ratio Lower Upper

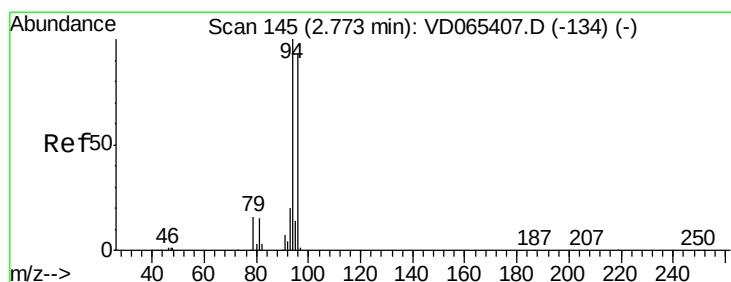
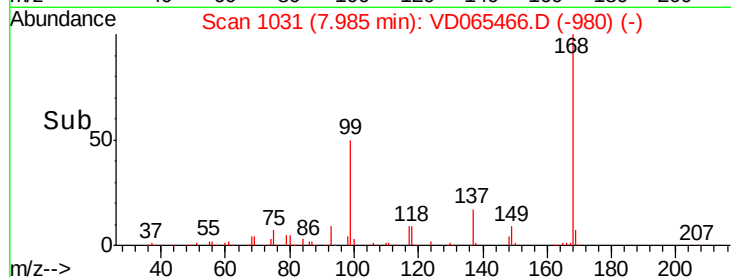
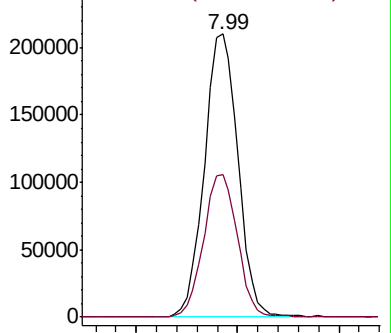
168 100

99 50.5 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: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD065466.D

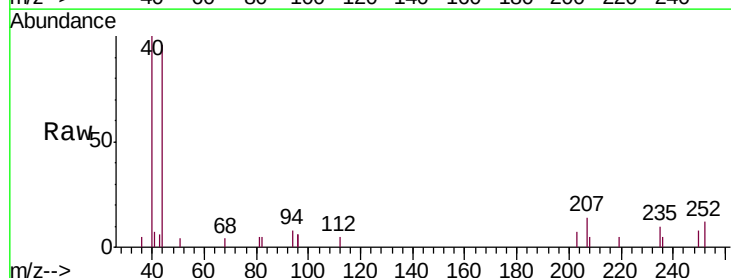
Acq: 10 Mar 2020 16:56

Tgt Ion: 94 Resp: 533

Ion Ratio Lower Upper

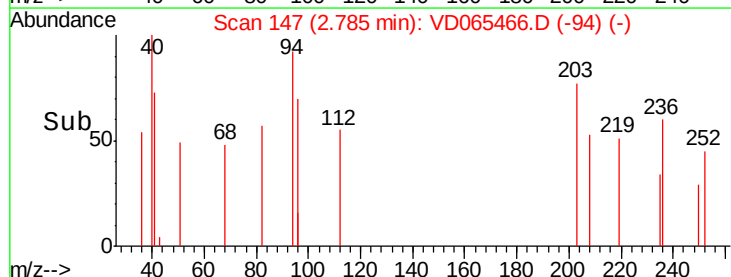
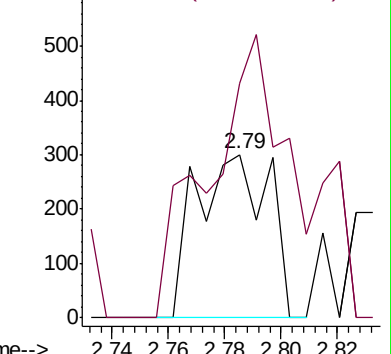
94 100

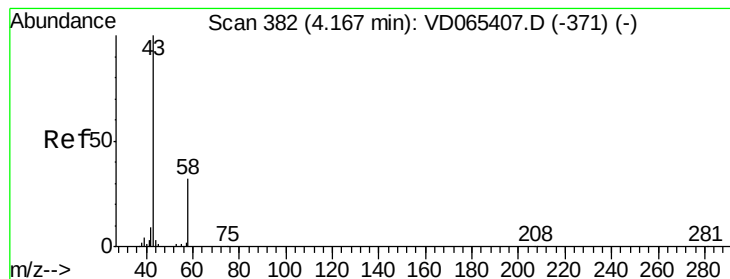
96 144.3 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 24.167 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065466.D

Acq: 10 Mar 2020 16:56

Instrument :

MSVOA_D

ClientSampleId :

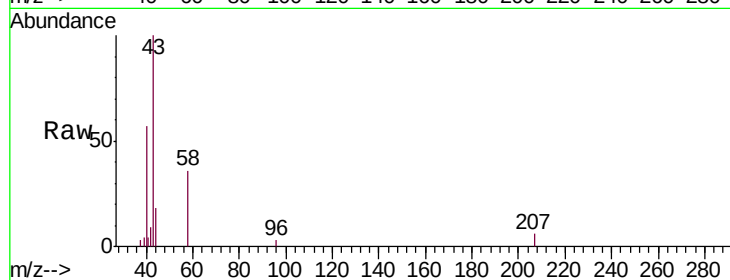
SP-1

Tgt Ion: 43 Resp: 20276

Ion Ratio Lower Upper

43 100

58 36.2 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

8000

6000

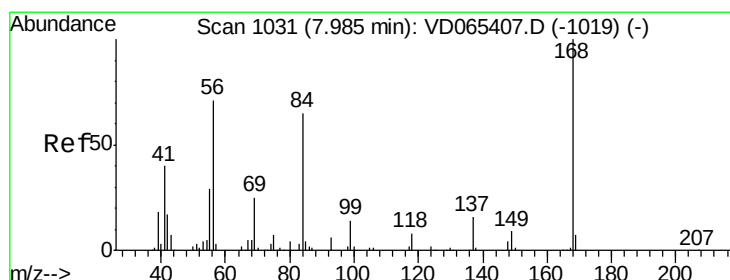
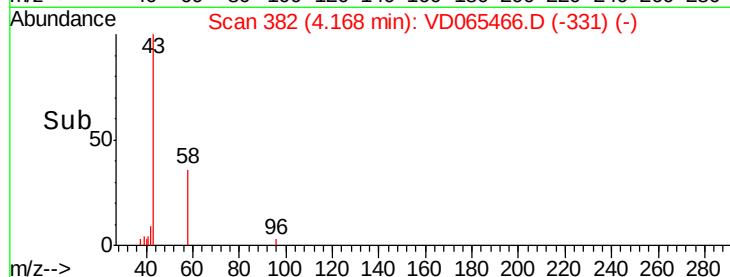
4000

2000

0

4.10 4.17 4.20 4.30

Time-->



#31

Cyclohexane

Concen: 1.086 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065466.D

Acq: 10 Mar 2020 16:56

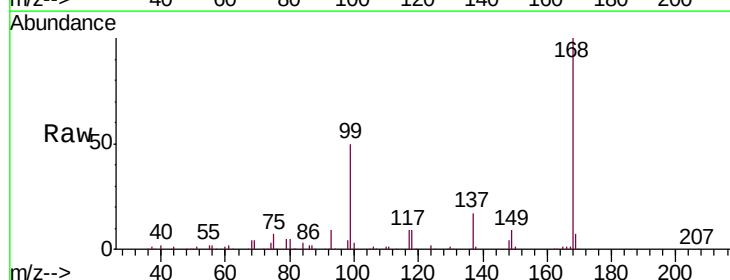
Tgt Ion: 56 Resp: 8950

Ion Ratio Lower Upper

56 100

69 179.9 28.3 42.5#

84 148.1 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

10000

8000

6000

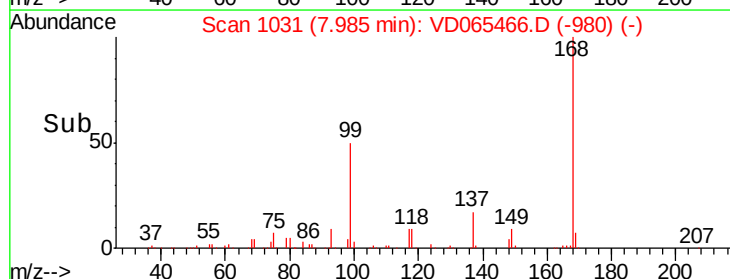
4000

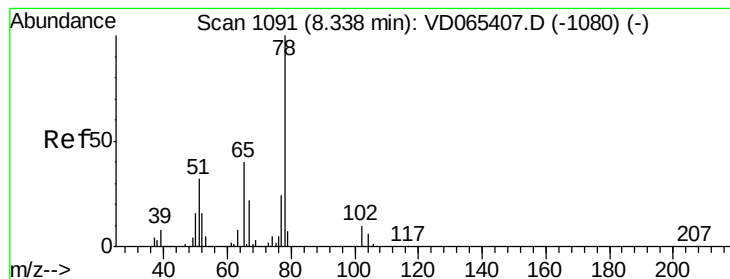
2000

0

7.90 7.95 7.99 8.05

Time-->





#33

1,2-Dichloroethane-d4

Concen: 63.181 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065466.D

Acq: 10 Mar 2020 16:56

Instrument :

MSVOA_D

ClientSampleId :

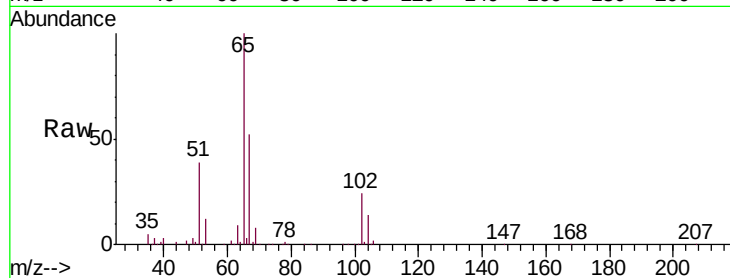
SP-1

Tgt Ion: 65 Resp: 262107

Ion Ratio Lower Upper

65 100

67 53.7 0.0 108.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

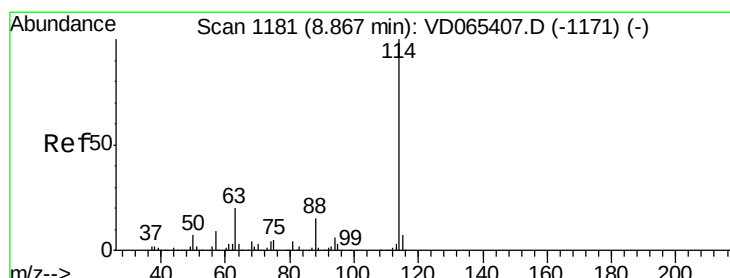
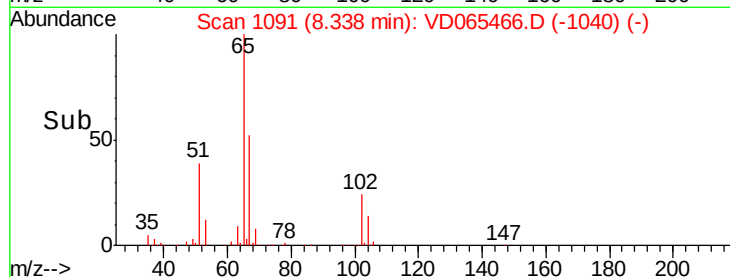
8.34

100000

50000

0

Time--> 8.20 8.30 8.40 8.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065466.D

Acq: 10 Mar 2020 16:56

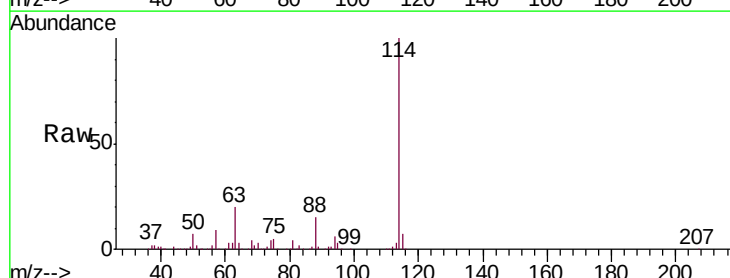
Tgt Ion: 114 Resp: 850349

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 15.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

500000

400000

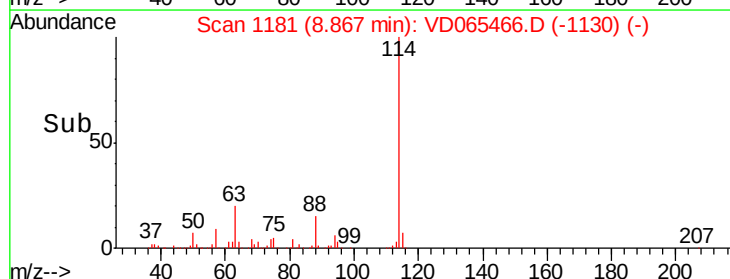
300000

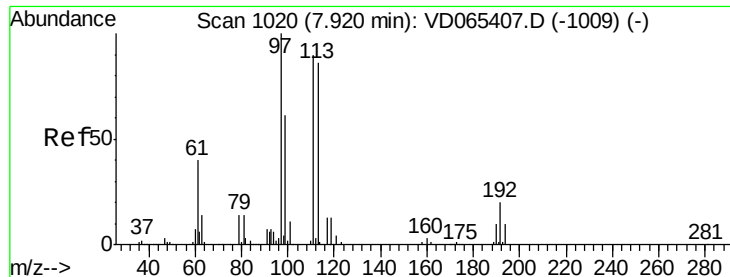
200000

100000

0

Time--> 8.80 8.90 9.00

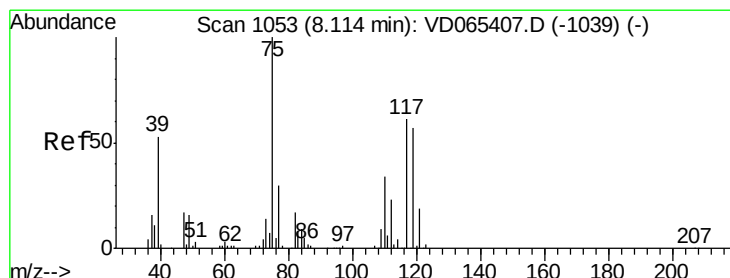
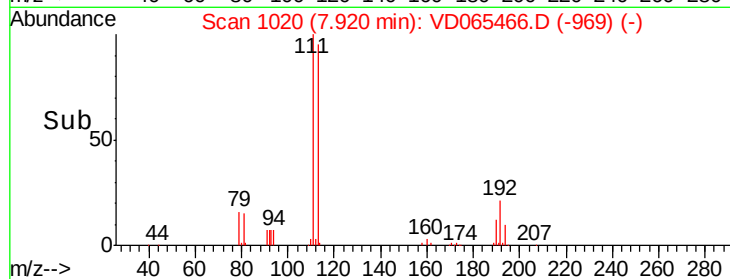
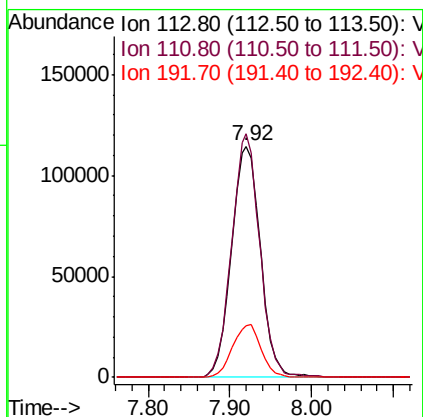
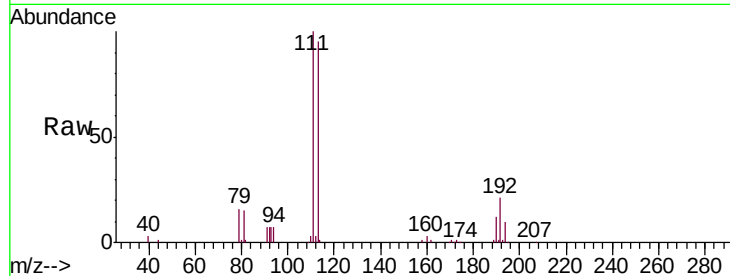




#35
 Dibromofluoromethane
 Concen: 53.690 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065466.D
 Acq: 10 Mar 2020 16:56

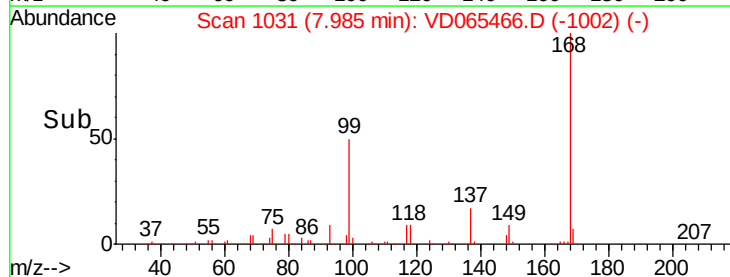
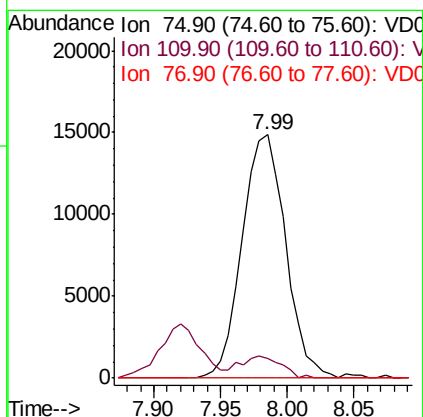
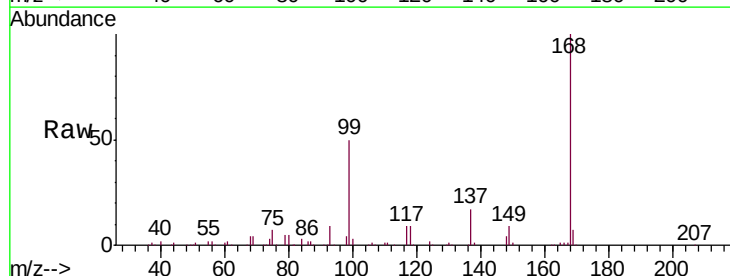
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1

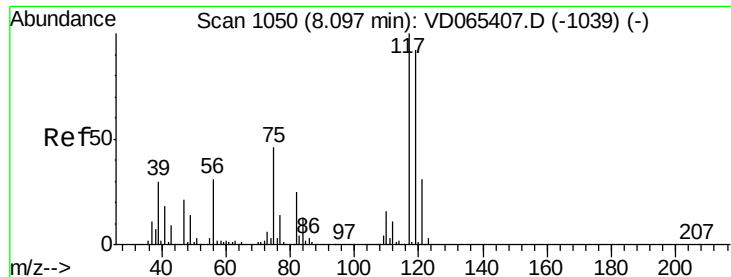
Tgt Ion:113 Resp: 282334
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.1 123.1
 192 22.4 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 4.124 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065466.D
 Acq: 10 Mar 2020 16:56

Tgt Ion: 75 Resp: 33619
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.1 54.1#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.104 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065466.D

Acq: 10 Mar 2020 16:56

Instrument :

MSVOA_D

ClientSampleId :

SP-1

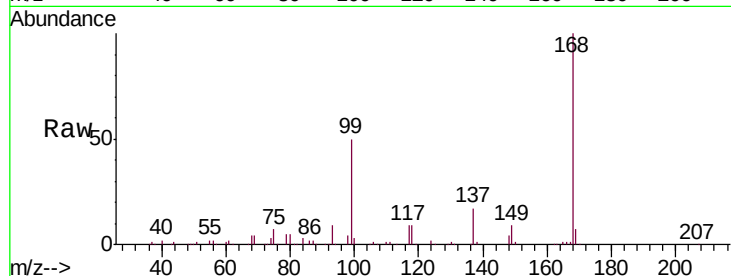
Tgt Ion:117 Resp: 43139

Ion Ratio Lower Upper

117 100

119 4.5 73.3 109.9#

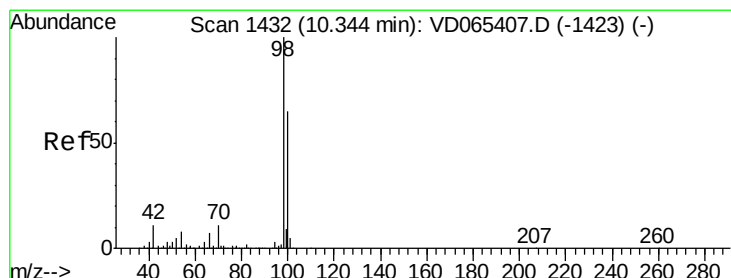
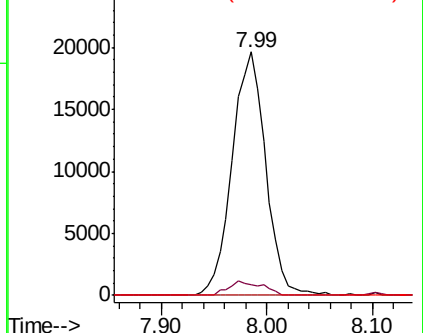
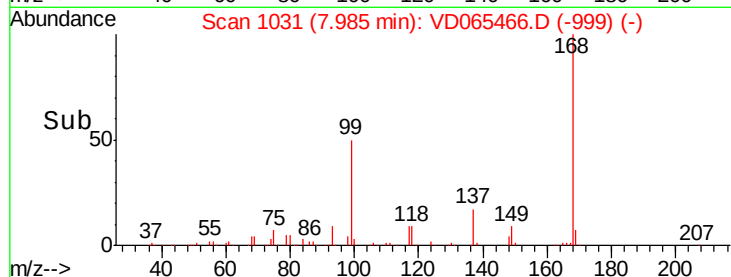
121 0.0 25.0 37.4#



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: 50.910 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065466.D

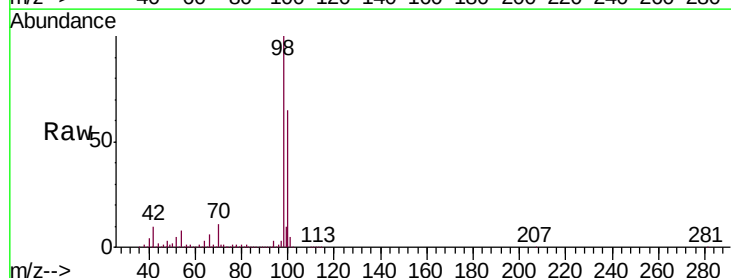
Acq: 10 Mar 2020 16:56

Tgt Ion: 98 Resp: 1027055

Ion Ratio Lower Upper

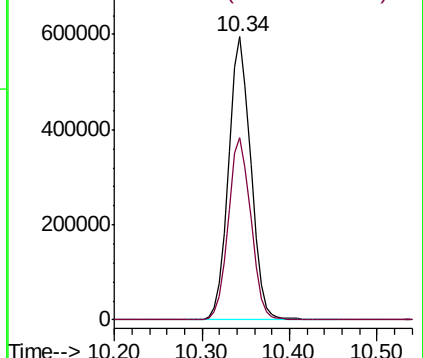
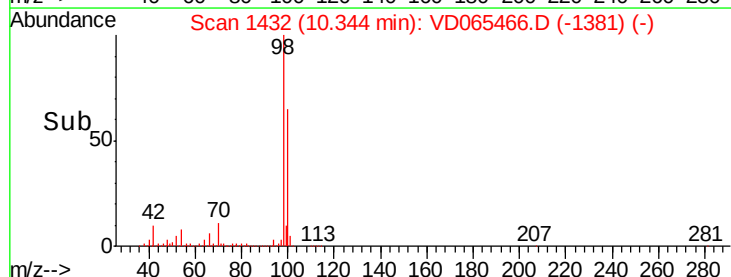
98 100

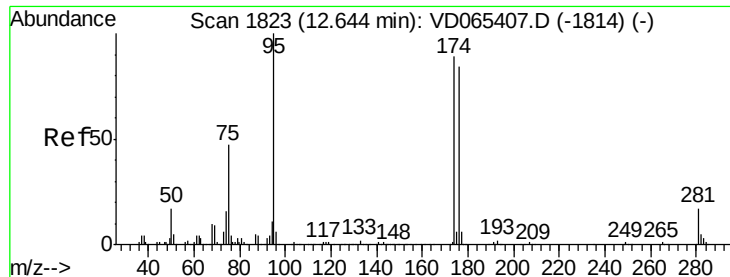
100 65.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.001 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065466.D

Acq: 10 Mar 2020 16:56

Instrument :

MSVOA_D

ClientSampleId :

SP-1

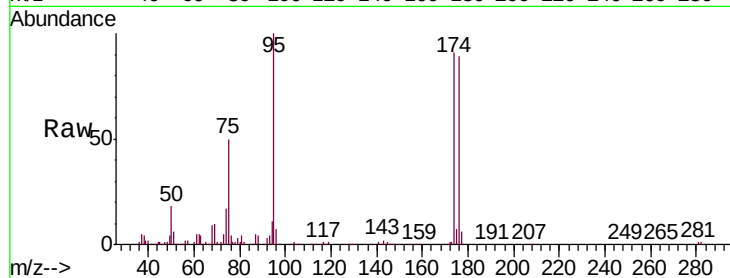
Tgt Ion: 95 Resp: 298946

Ion Ratio Lower Upper

95 100

174 91.2 0.0 176.8

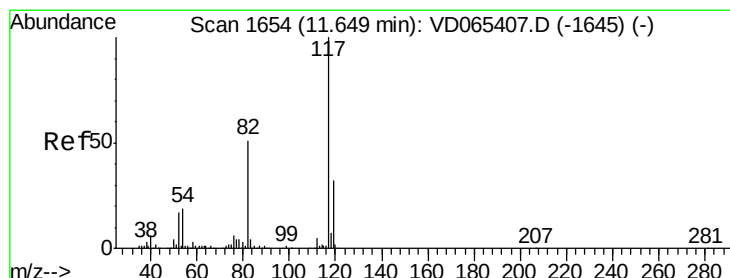
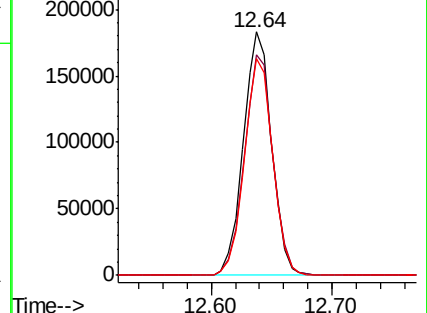
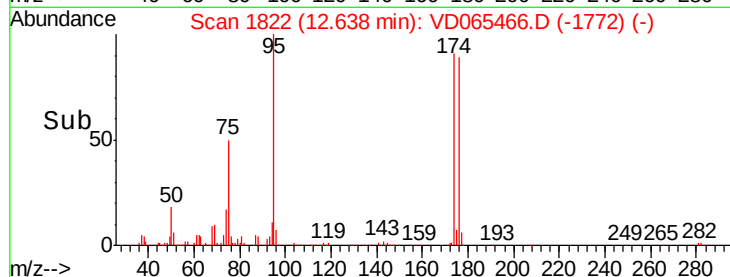
176 89.1 0.0 171.4



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065466.D

Acq: 10 Mar 2020 16:56

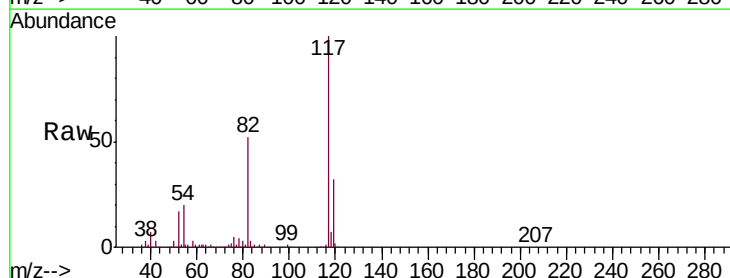
Tgt Ion: 117 Resp: 774752

Ion Ratio Lower Upper

117 100

82 52.4 40.6 60.8

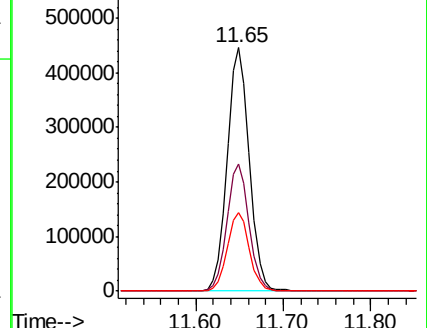
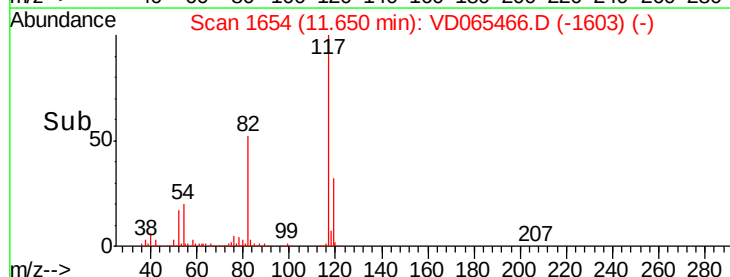
119 32.4 25.4 38.2

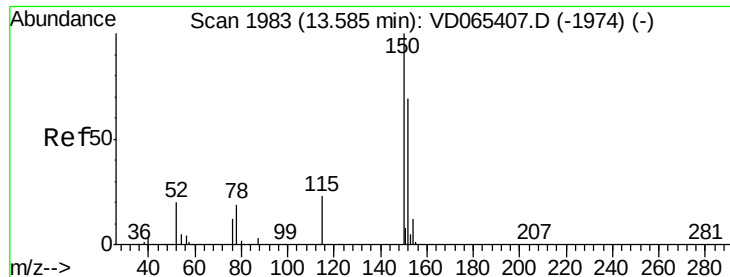


Abundance Ion 116.90 (116.60 to 117.60): VDC

Ion 82.00 (81.70 to 82.70): VDC

Ion 118.90 (118.60 to 119.60): VDC



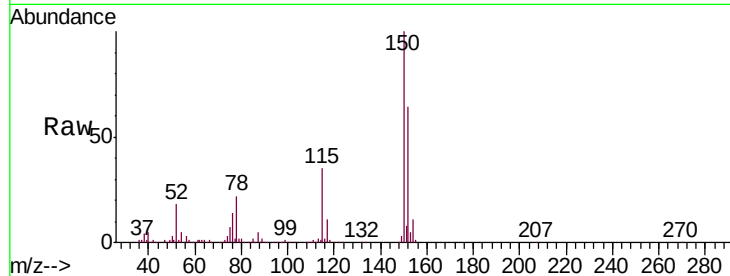


#72

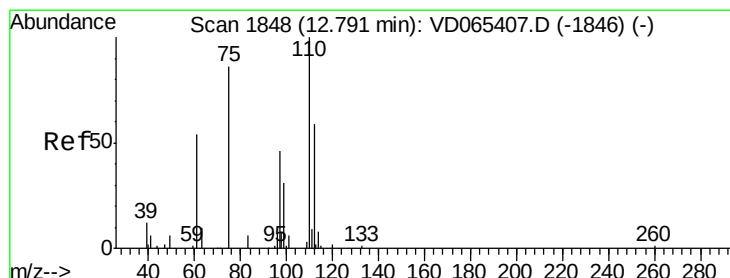
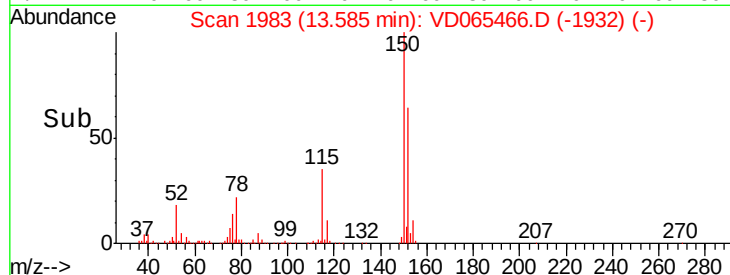
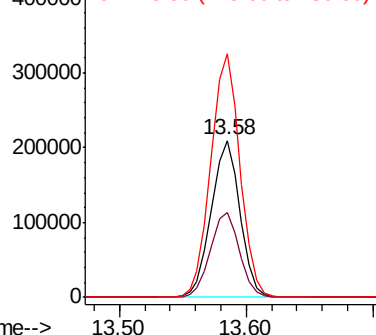
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065466.D
Acq: 10 Mar 2020 16:56

Instrument :
MSVOA_D
ClientSampleId :
SP-1

Tgt Ion:152 Resp: 328608
Ion Ratio Lower Upper
152 100
115 54.8 27.6 82.8
150 157.5 0.0 345.0



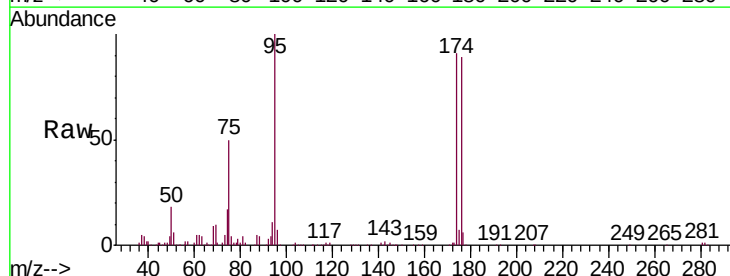
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



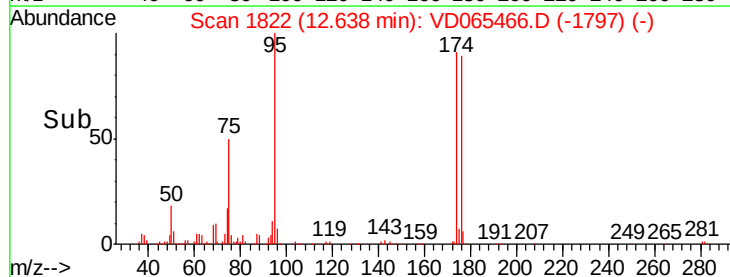
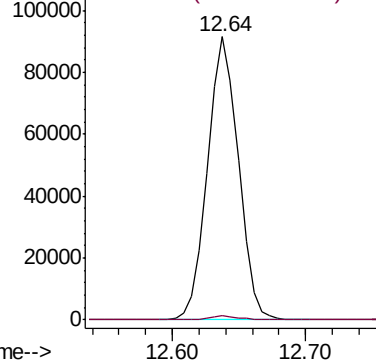
#76

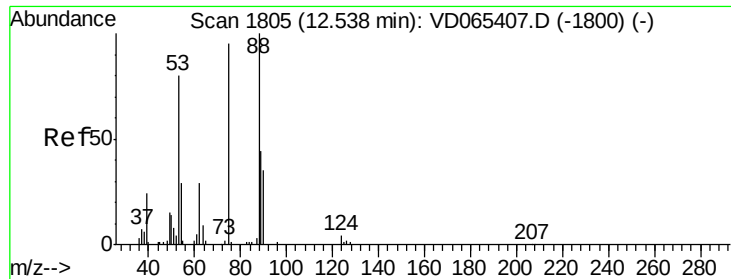
1,2,3-Trichloropropane
Concen: 56.594 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065466.D
Acq: 10 Mar 2020 16:56

Tgt Ion: 75 Resp: 146748
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: 119.430 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065466.D

Acq: 10 Mar 2020 16:56

Instrument :

MSVOA_D

ClientSampleId :

SP-1

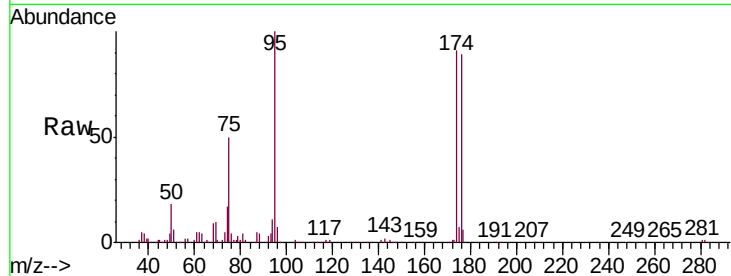
Tgt Ion: 75 Resp: 146748

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

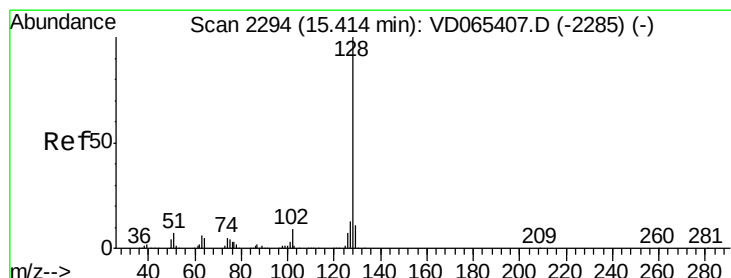
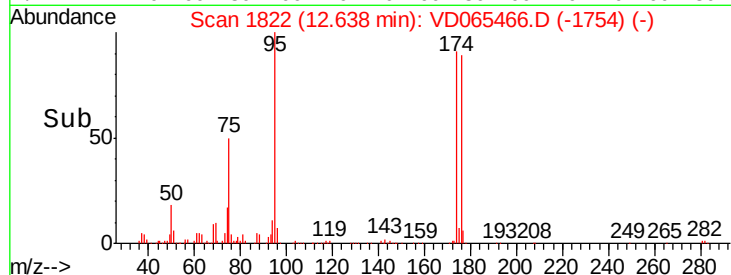
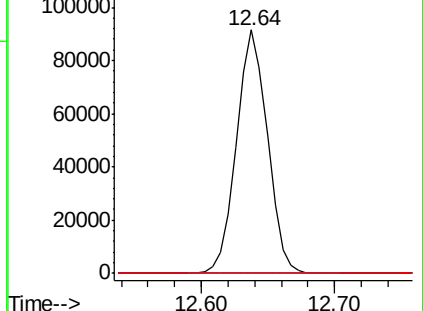
89 0.0 37.0 55.6#



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: 4.737 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065466.D

Acq: 10 Mar 2020 16:56

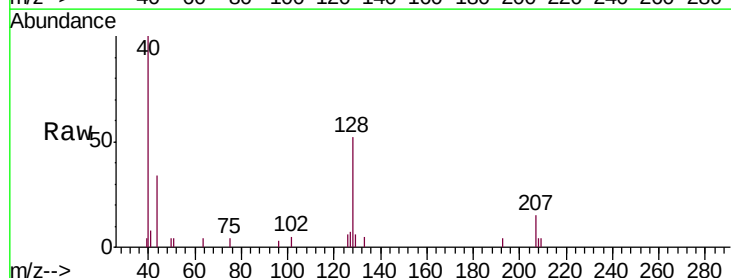
Tgt Ion: 128 Resp: 3844

Ion Ratio Lower Upper

128 100

127 16.1 10.6 16.0#

129 17.6 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

