

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065414.D
 Acq On : 04 Mar 2020 16:41
 Operator : VA/SY
 Sample : VD0304SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 05 01:27:17 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

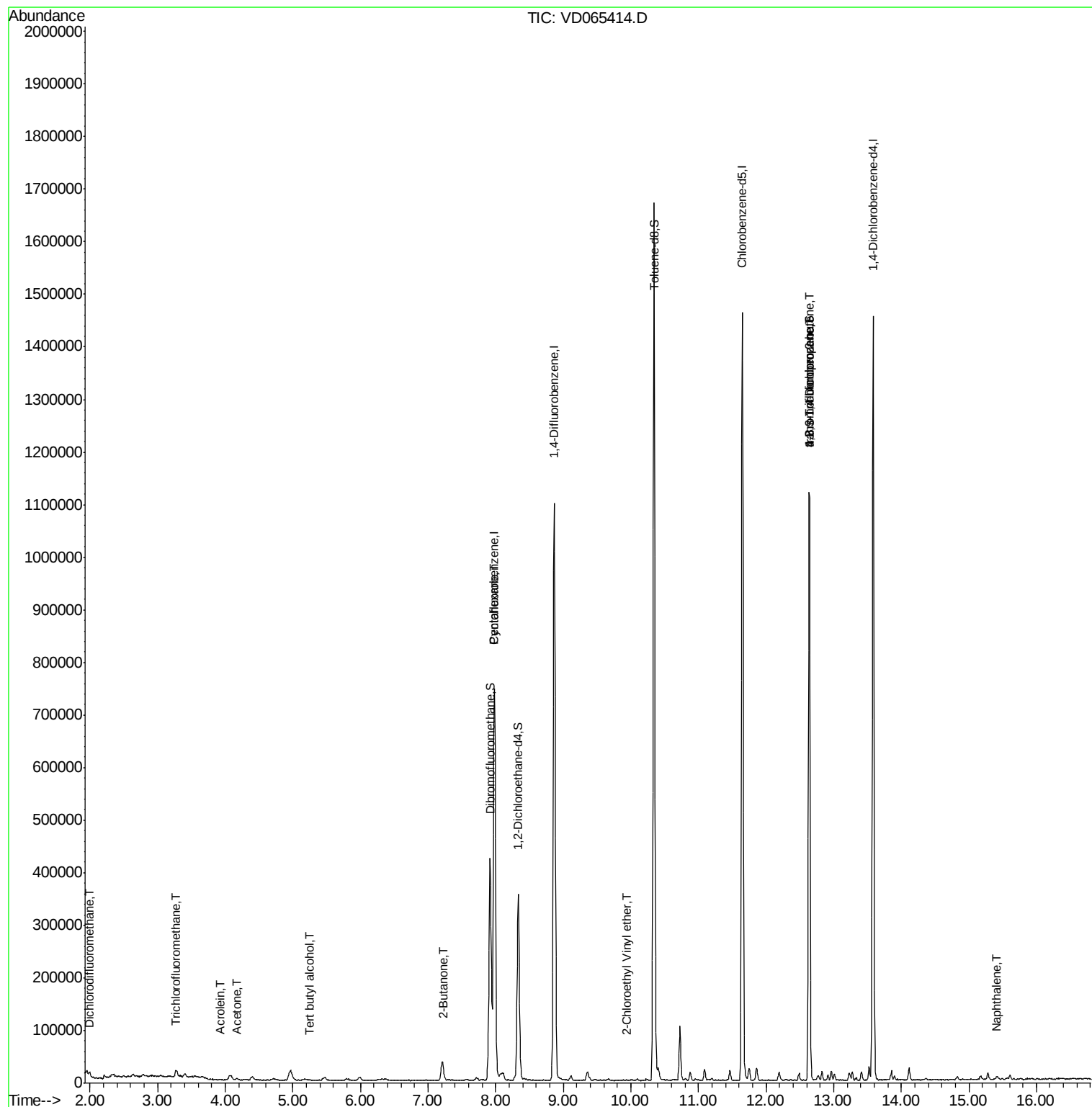
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	590366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	971052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	870032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	402277	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	276782	54.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.32%	
35) Dibromofluoromethane	7.92	113	303223	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	10.34	98	1157924	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.64	95	354472	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	7228	1.425	ug/l	100
5) Bromomethane	2.78	94	3230	Below Cal		90
7) Trichlorofluoromethane	3.27	101	12963	1.456	ug/l #	81
11) Tert butyl alcohol	5.25	59	752	2.589	ug/l #	76
13) Acrolein	3.93	56	554	1.106	ug/l #	78
16) Acetone	4.16	43	3749	3.661	ug/l	91
20) Methylene Chloride	4.96	84	14231	Below Cal		94
25) 2-Butanone	7.23	43	2534	1.813	ug/l #	47
31) Cyclohexane	7.98	56	16004	1.591	ug/l #	6
58) 2-Chloroethyl Vinyl ether	9.94	63	455	2.458	ug/l #	46
76) 1,2,3-Trichloropropane	12.64	75	170905	53.840	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	170905	113.619	ug/l #	14
95) Naphthalene	15.41	128	6027	4.830	ug/l	98

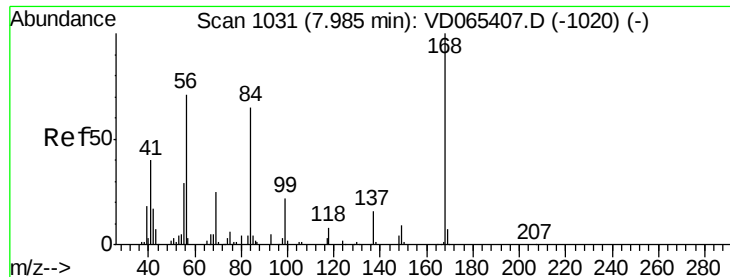
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030420\
Data File : VD065414.D
Acq On : 04 Mar 2020 16:41
Operator : VA/SY
Sample : VD0304SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Mar 05 01:27:17 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# 1030

Delta R.T. -0.01 min

Lab File: VD065414.D

Acq: 04 Mar 2020 16:41

Instrument :

MSVOA_D

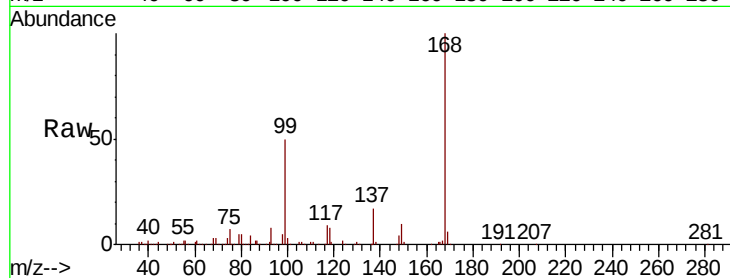
ClientSampleId :

Tot Ion:168 Resp: 590366

Ion Ratio Lower Upper

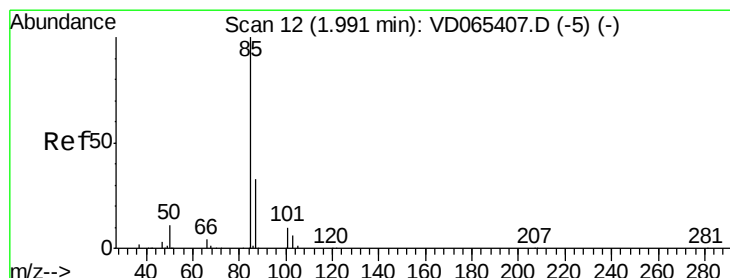
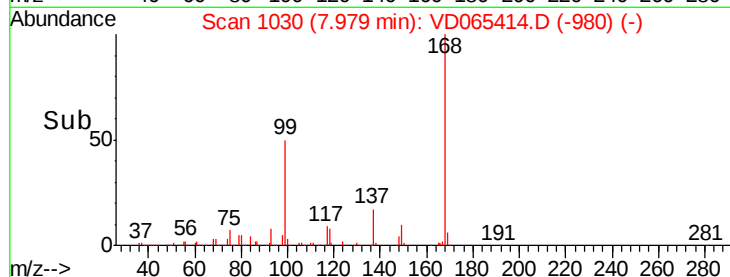
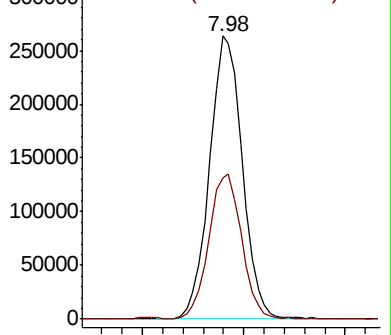
168 100

99 49.5 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 1.425 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065414.D

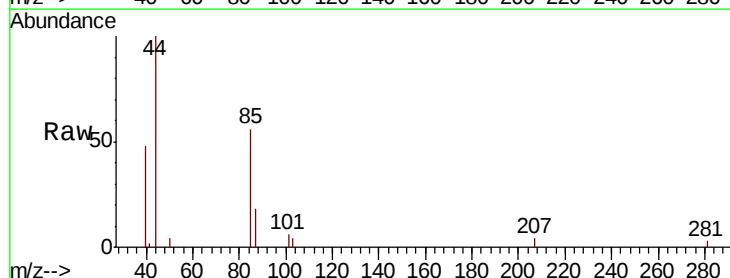
Acq: 04 Mar 2020 16:41

Tgt Ion: 85 Resp: 7228

Ion Ratio Lower Upper

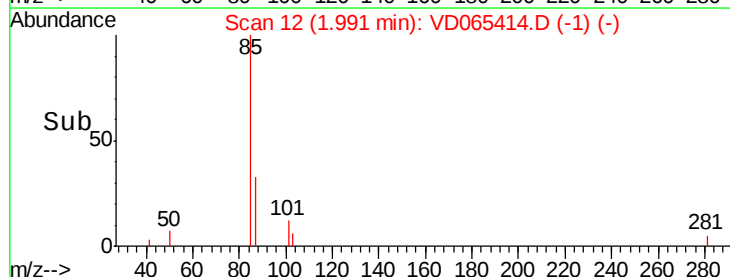
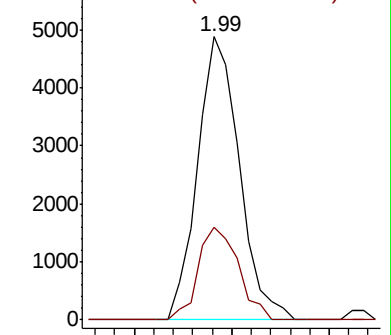
85 100

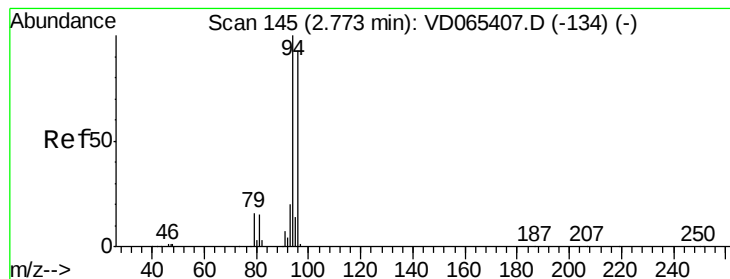
87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065414.D

Acq: 04 Mar 2020 16:41

Instrument :

MSVOA_D

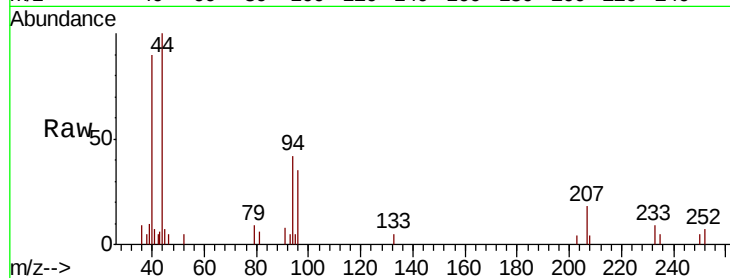
ClientSampleId :

Tot Ion: 94 Resp: 3230

Ion Ratio Lower Upper

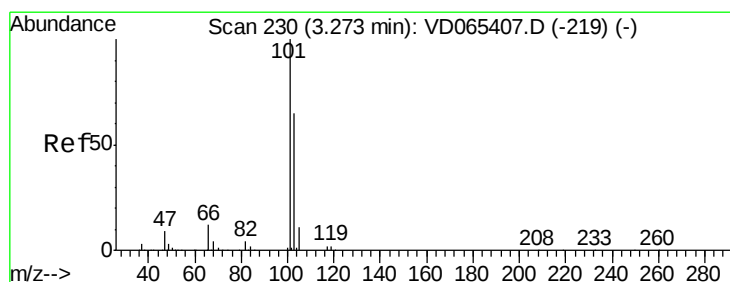
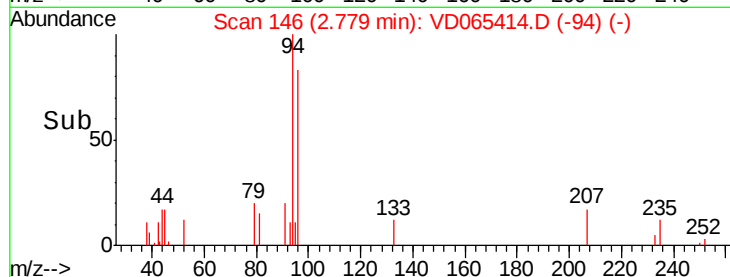
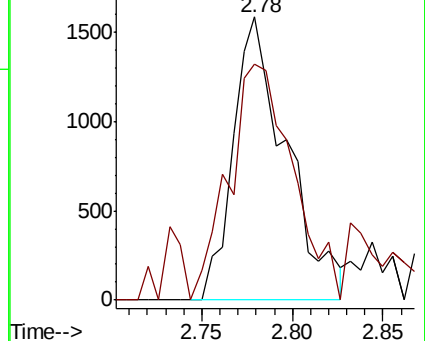
94 100

96 83.5 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#7

Trichlorofluoromethane

Concen: 1.456 ug/l

RT: 3.27 min Scan# 230

Delta R.T. -0.00 min

Lab File: VD065414.D

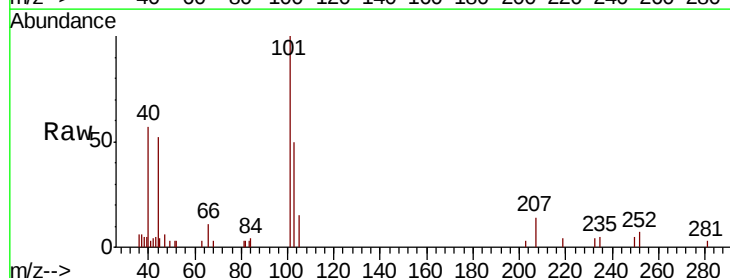
Acq: 04 Mar 2020 16:41

Tgt Ion:101 Resp: 12963

Ion Ratio Lower Upper

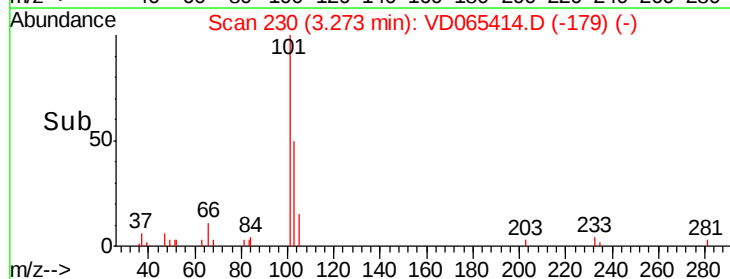
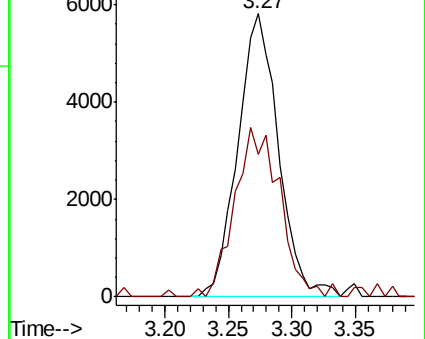
101 100

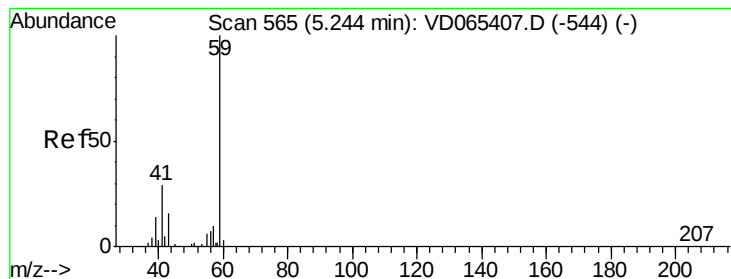
103 50.4 52.1 78.1#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



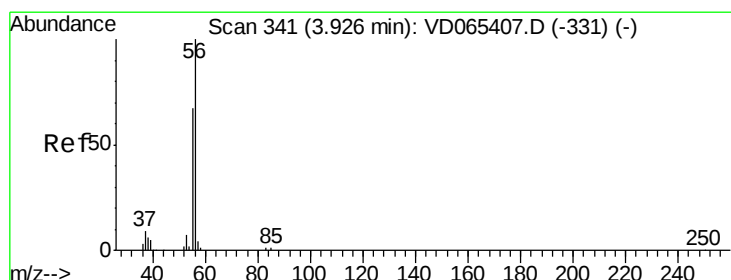
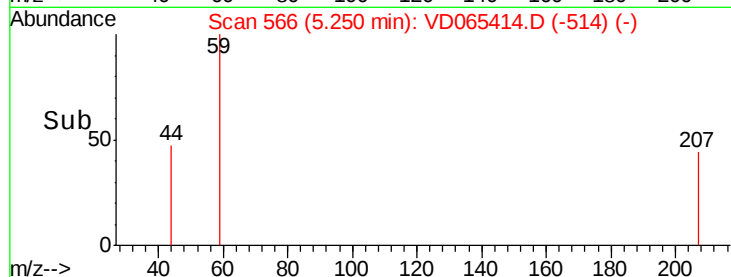
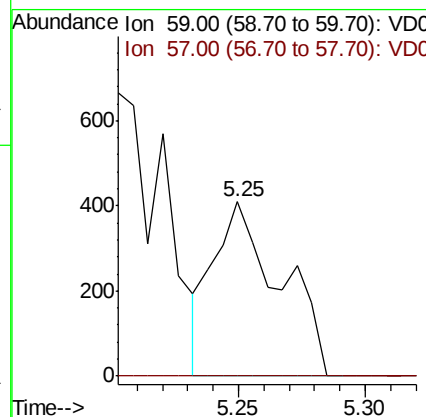
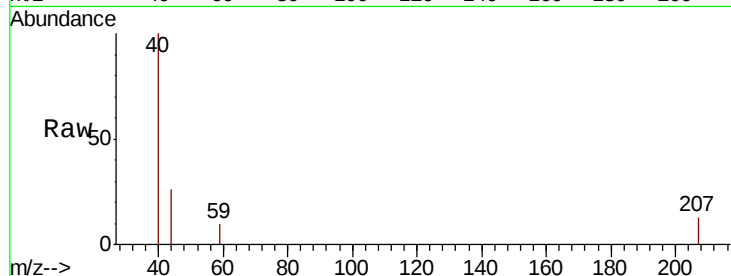


#11

Tert butyl alcohol
 Concen: 2.589 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD065414.D
 Acq: 04 Mar 2020 16:41

Instrument :
 MSVOA_D
 ClientSampled :

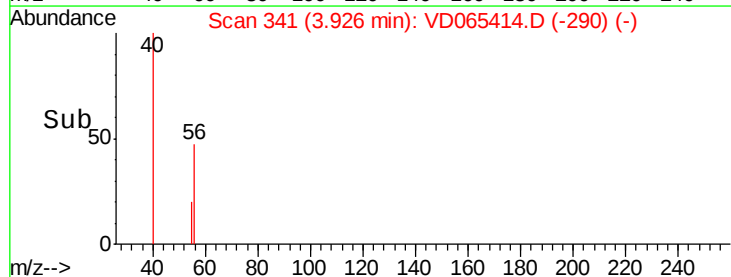
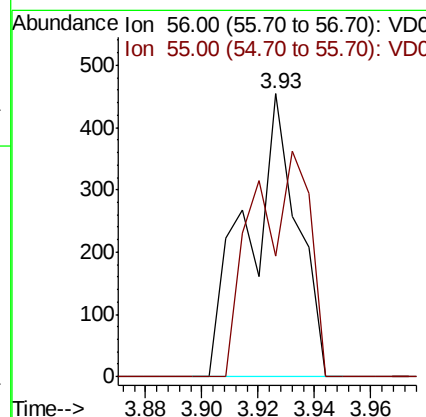
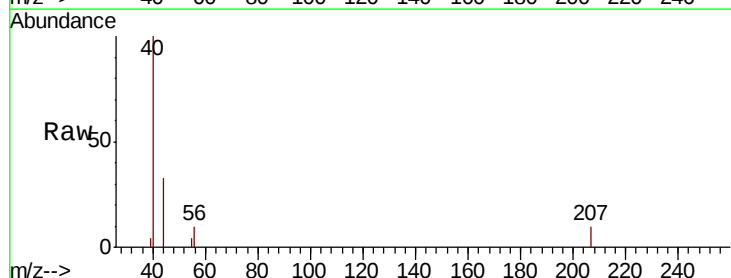
Tot Ion: 59 Resp: 752
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.9 10.3#

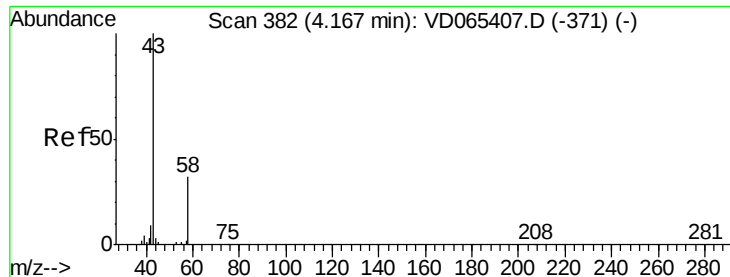


#13

Acrolein
 Concen: 1.106 ug/l
 RT: 3.93 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VD065414.D
 Acq: 04 Mar 2020 16:41

Tgt Ion: 56 Resp: 554
 Ion Ratio Lower Upper
 56 100
 55 89.0 56.6 85.0#

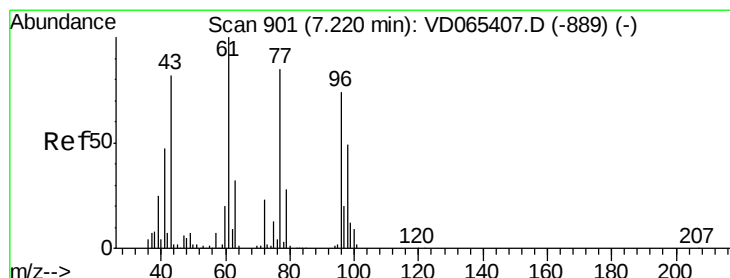
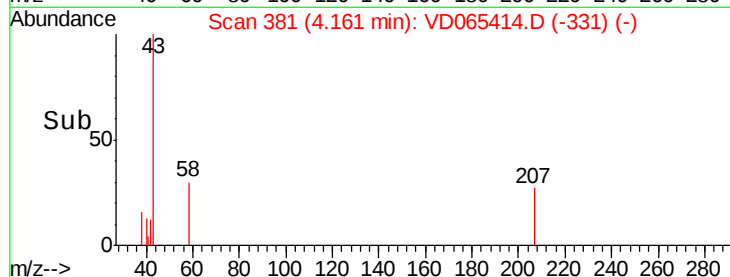
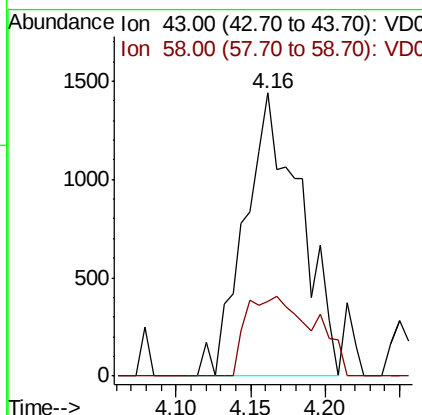
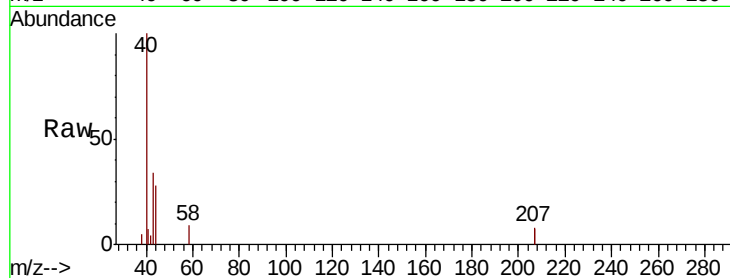




#16
Acetone
Concen: 3.661 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD065414.D
Acq: 04 Mar 2020 16:41

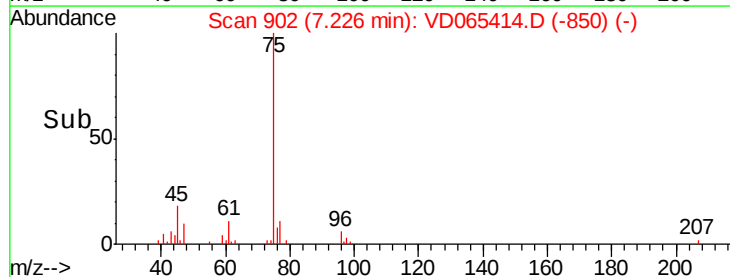
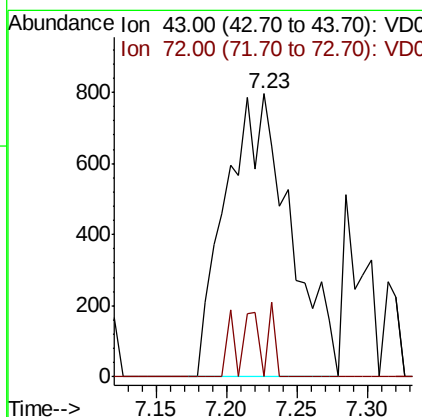
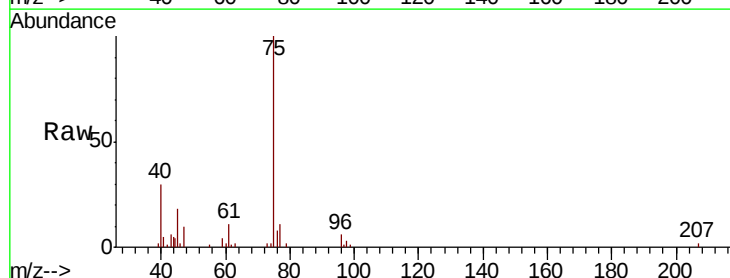
Instrument :
MSVOA_D
ClientSampled :

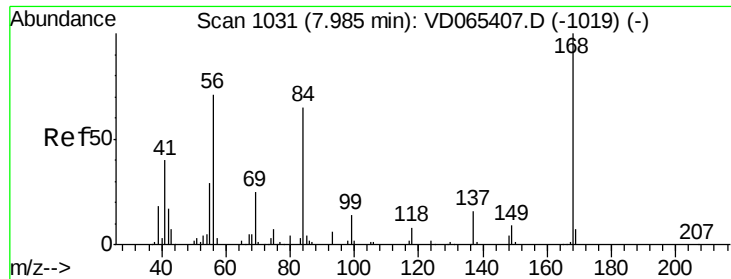
Tot Ion: 43 Resp: 3749
Ion Ratio Lower Upper
43 100
58 26.6 25.1 37.7



#25
2-Butanone
Concen: 1.813 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD065414.D
Acq: 04 Mar 2020 16:41

Tgt Ion: 43 Resp: 2534
Ion Ratio Lower Upper
43 100
72 0.0 22.3 33.5#

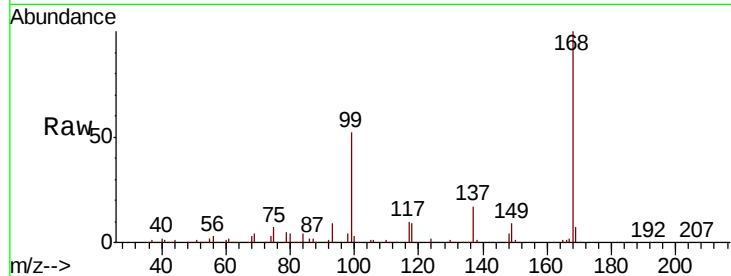




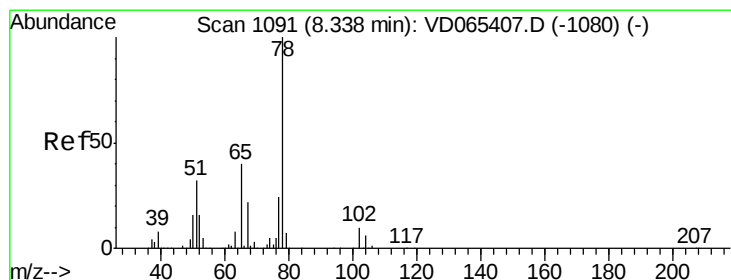
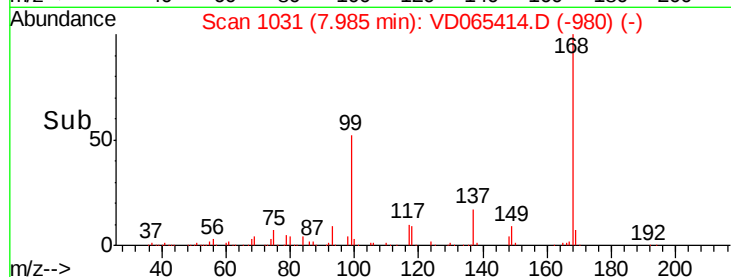
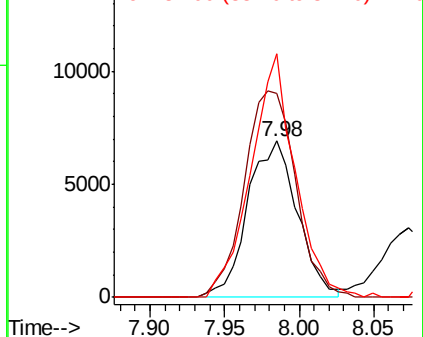
#31
Cyclohexane
Concen: 1.591 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065414.D
Acq: 04 Mar 2020 16:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 16004
Ion Ratio Lower Upper
56 100
69 130.2 28.3 42.5#
84 155.8 73.1 109.7#

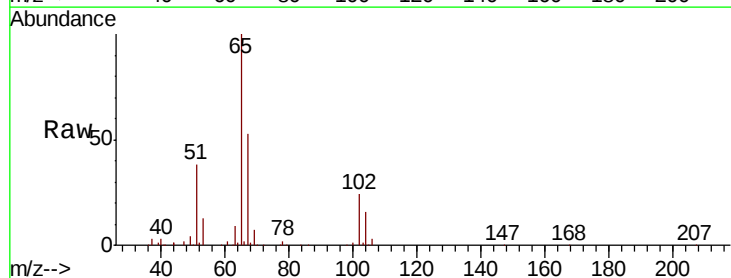


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

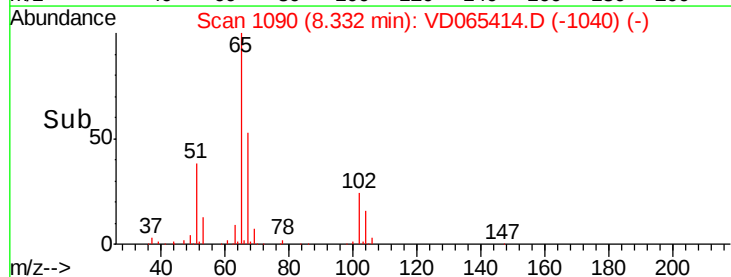
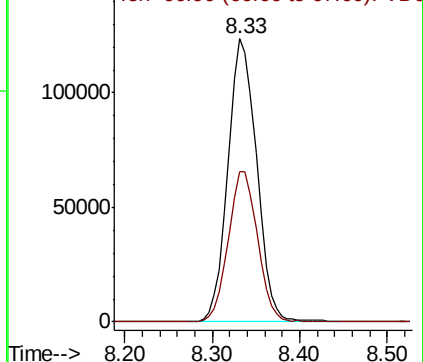


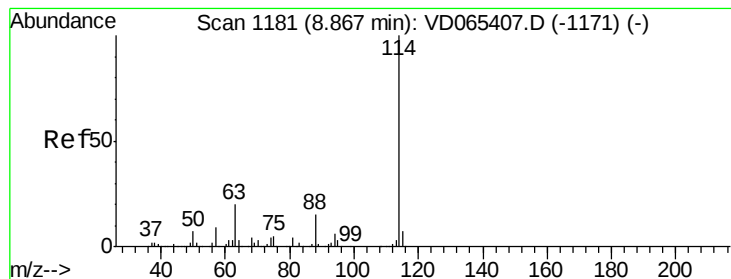
#33
1,2-Dichloroethane-d4
Concen: 54.655 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD065414.D
Acq: 04 Mar 2020 16:41

Tgt Ion: 65 Resp: 276782
Ion Ratio Lower Upper
65 100
67 54.1 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: VD065414.D

Acq: 04 Mar 2020 16:41

Instrument :

MSVOA_D

ClientSampleId :

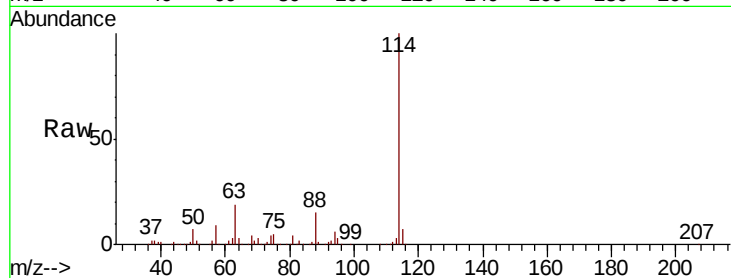
Tot Ion:114 Resp: 971052

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.6

88 15.2 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

600000

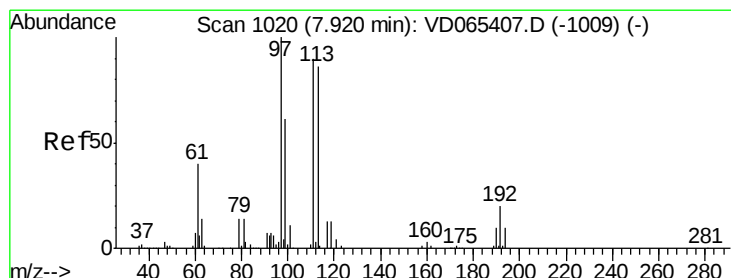
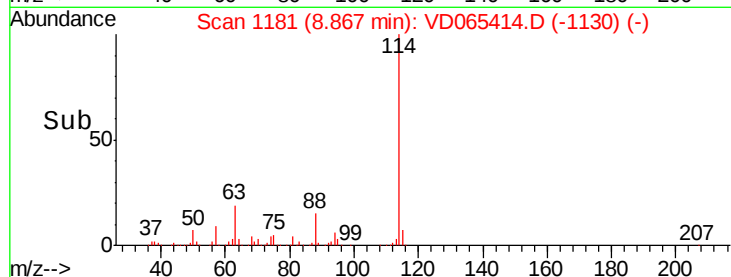
400000

200000

0

8.87

Time-->



#35

Dibromofluoromethane

Concen: 50.495 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065414.D

Acq: 04 Mar 2020 16:41

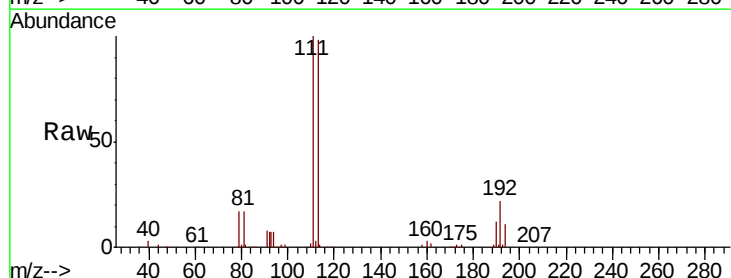
Tgt Ion:113 Resp: 303223

Ion Ratio Lower Upper

113 100

111 101.6 82.1 123.1

192 21.8 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

150000

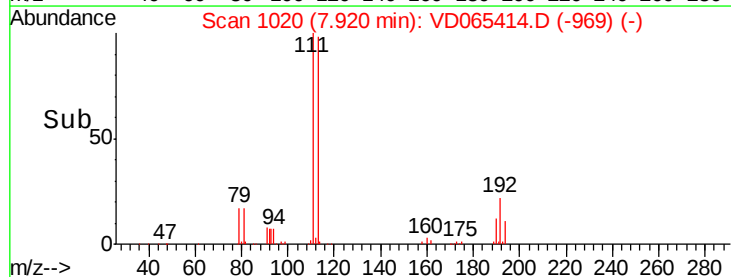
100000

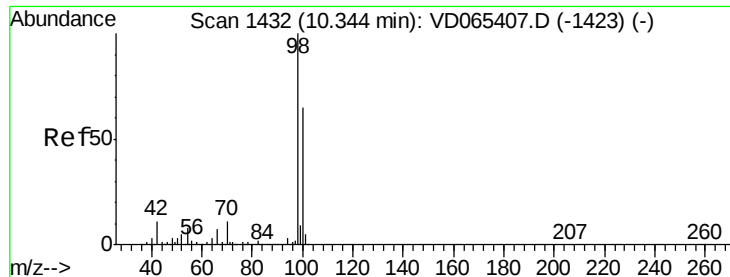
50000

0

7.92

Time-->





#50

Toluene-d8

Concen: 50.262 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065414.D

Acq: 04 Mar 2020 16:41

Instrument :

MSVOA_D

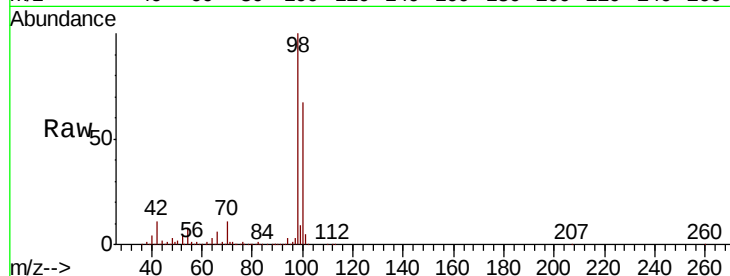
ClientSampleId :

Tot Ion: 98 Resp: 1157924

Ion Ratio Lower Upper

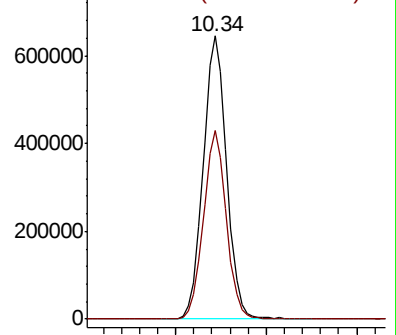
98 100

100 65.2 52.8 79.2

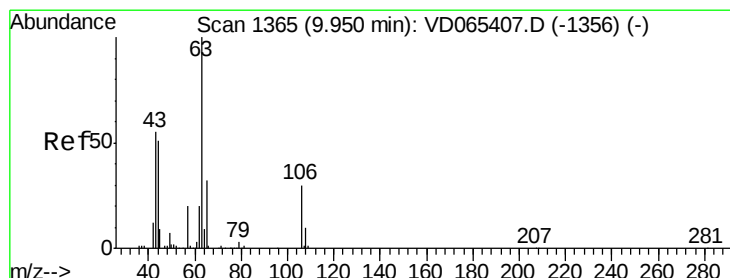
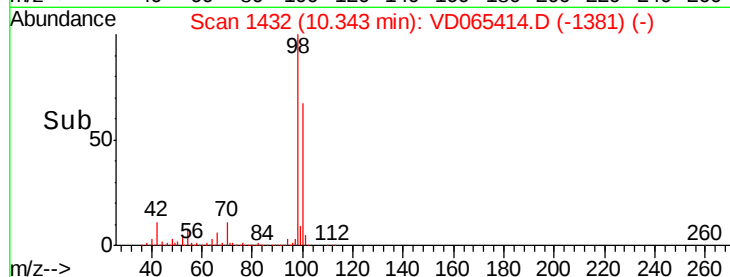


Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 2.458 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065414.D

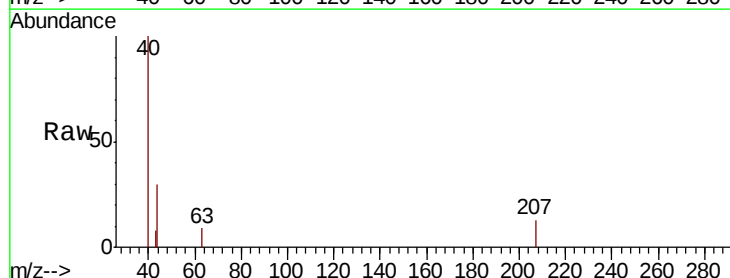
Acq: 04 Mar 2020 16:41

Tgt Ion: 63 Resp: 455

Ion Ratio Lower Upper

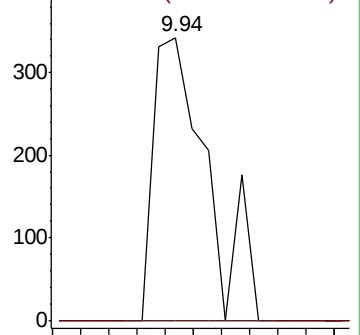
63 100

106 0.0 23.3 34.9#

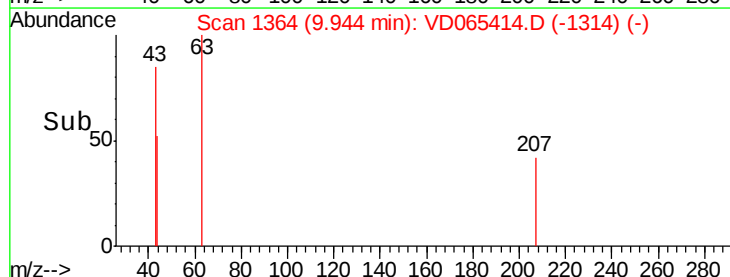


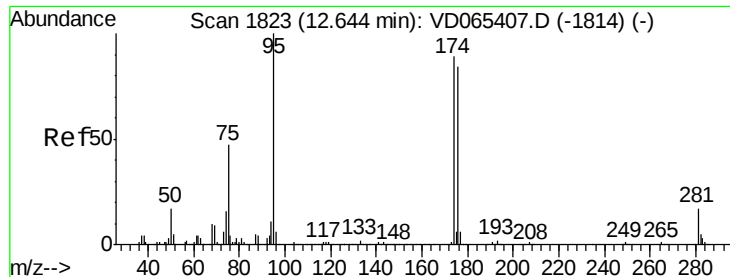
Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC



Time-->

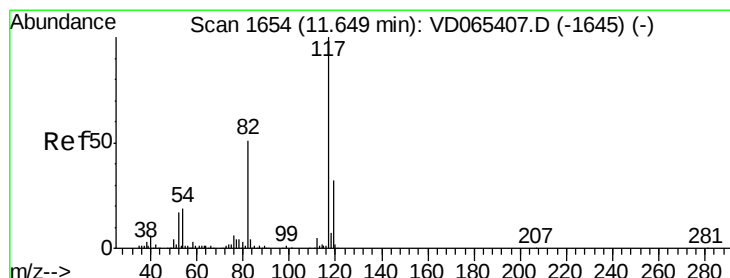
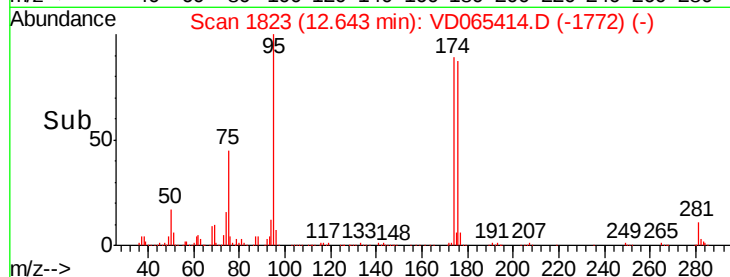
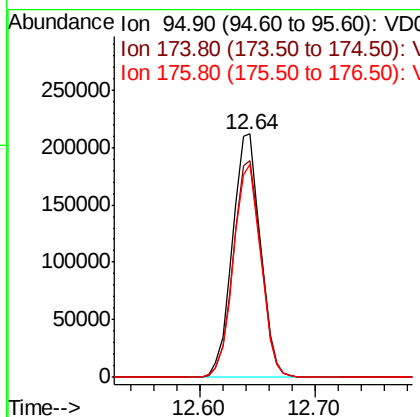
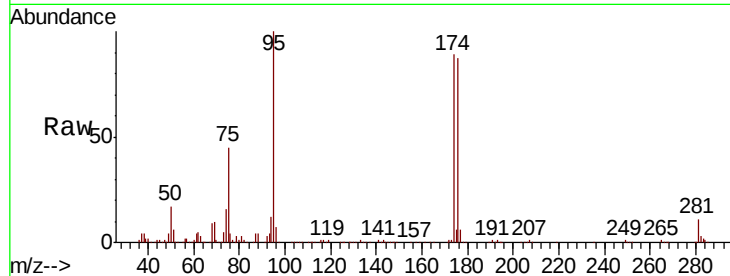




#62
4-Bromofluorobenzene
Concen: 49.842 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VD065414.D
Acq: 04 Mar 2020 16:41

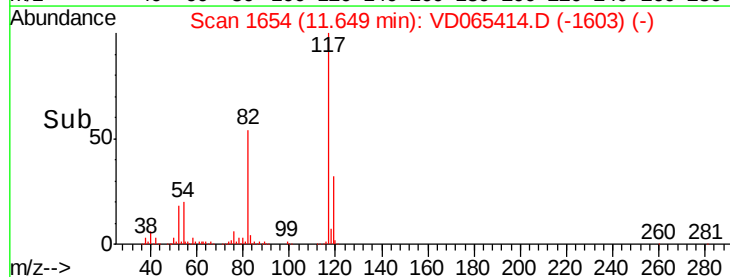
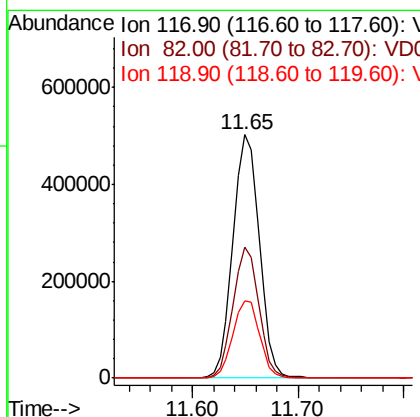
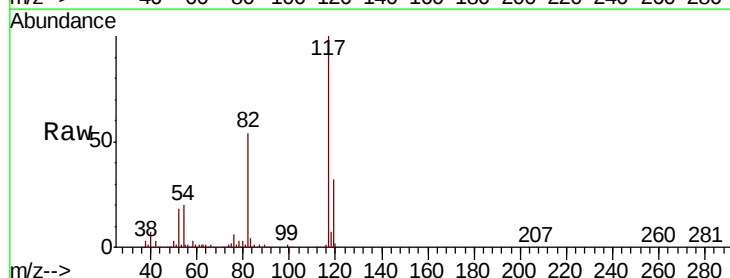
Instrument :
MSVOA_D
ClientSampleId :

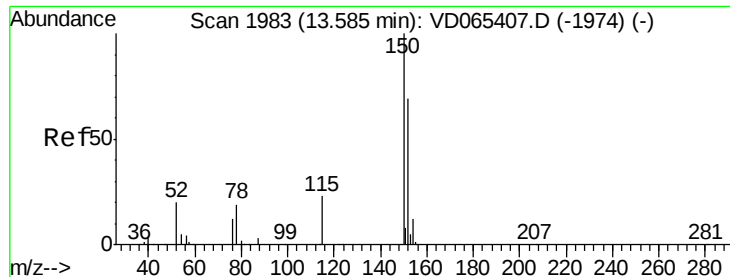
Tot Ion: 95 Resp: 354472
Ion Ratio Lower Upper
95 100
174 89.2 0.0 176.8
176 86.0 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065414.D
Acq: 04 Mar 2020 16:41

Tgt Ion: 117 Resp: 870032
Ion Ratio Lower Upper
117 100
82 53.8 40.6 60.8
119 31.8 25.4 38.2



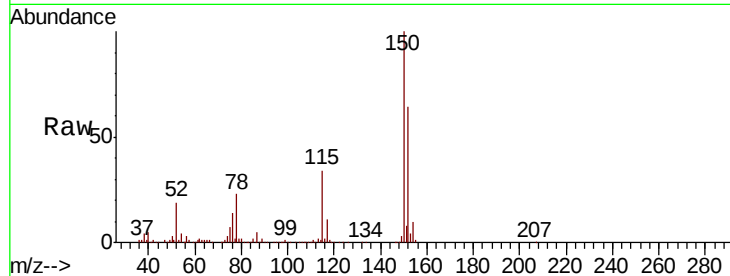


#72

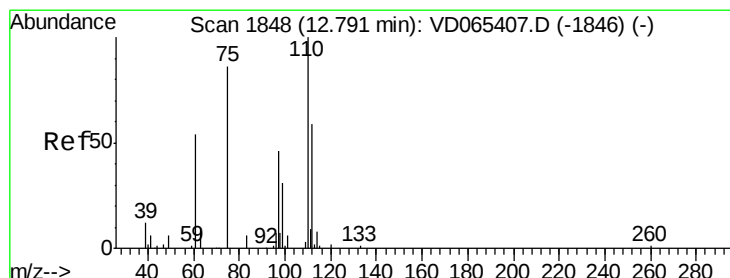
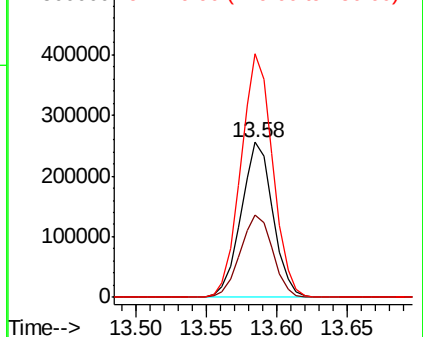
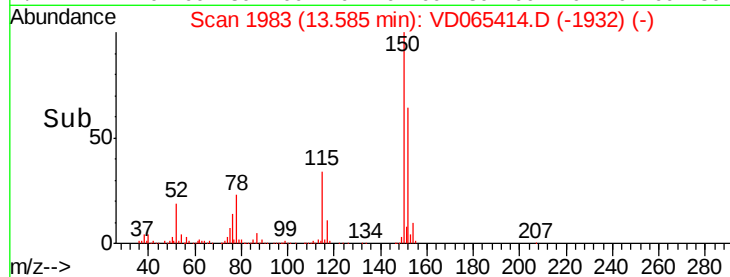
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065414.D
Acq: 04 Mar 2020 16:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:152 Resp: 402277
Ion Ratio Lower Upper
152 100
115 54.3 27.6 82.8
150 157.7 0.0 345.0



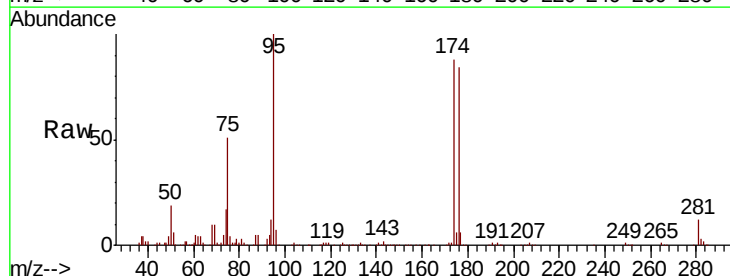
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



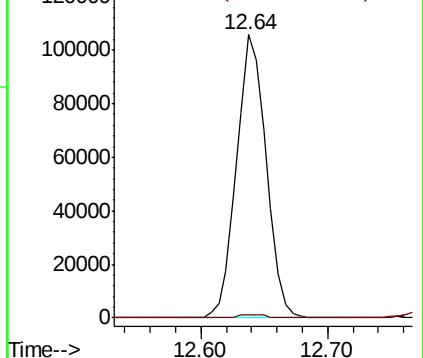
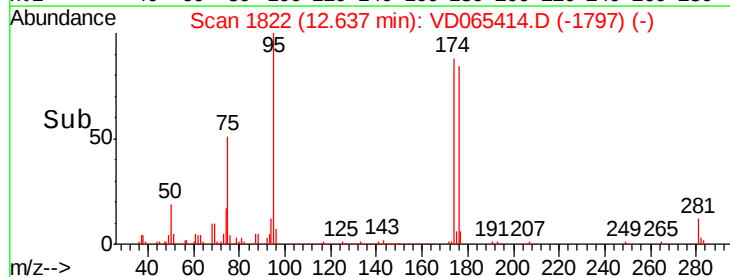
#76

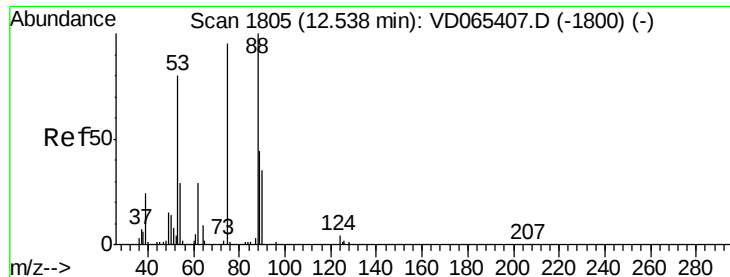
1,2,3-Trichloropropane
Concen: 53.840 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065414.D
Acq: 04 Mar 2020 16:41

Tgt Ion: 75 Resp: 170905
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: 113.619 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065414.D

Acq: 04 Mar 2020 16:41

Instrument :

MSVOA_D

ClientSampled :

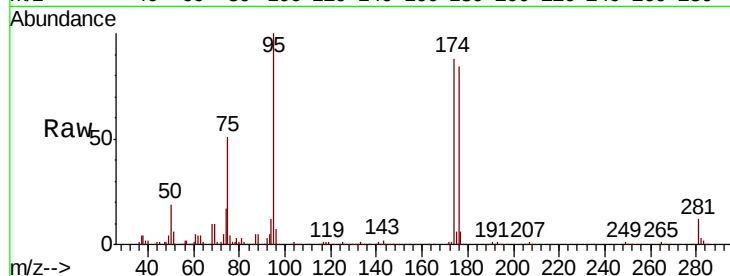
Tot Ion: 75 Resp: 170905

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

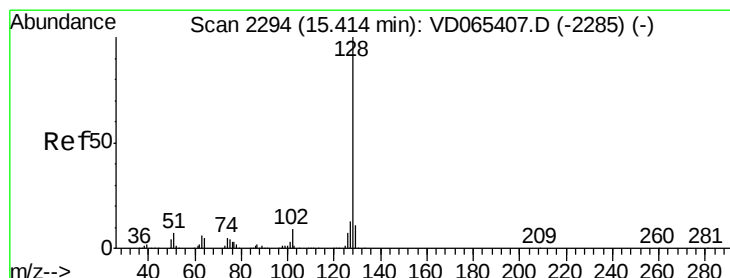
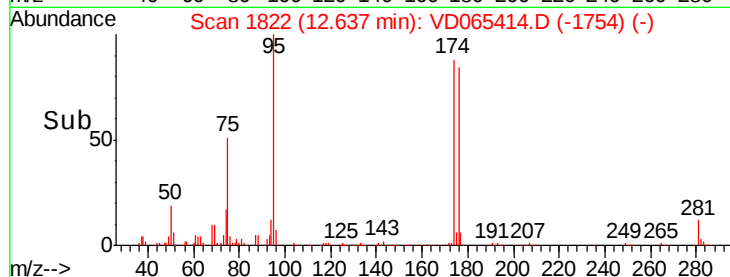
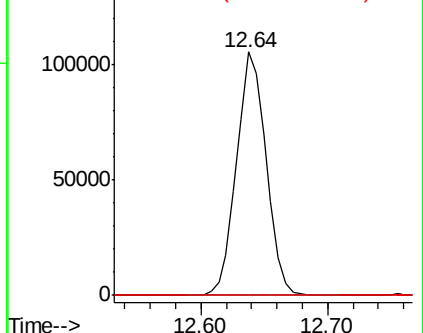
89 0.1 37.0 55.6#



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: 4.830 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065414.D

Acq: 04 Mar 2020 16:41

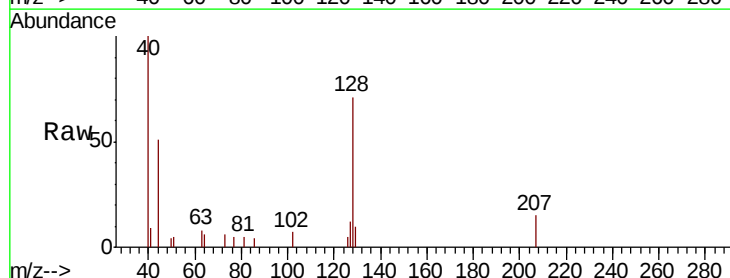
Tgt Ion: 128 Resp: 6027

Ion Ratio Lower Upper

128 100

127 14.2 10.6 16.0

129 10.3 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

