

Data File : VD065510.D
Acq On : 16 Mar 2020 13:25
Operator : VA/SY
Sample : VD0316SBL01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBL01

Quant Time: Mar 17 07:25:58 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	605639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	985061	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	919830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	427949	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	287361	55.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.62%	
35) Dibromofluoromethane	7.92	113	311171	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	10.34	98	1182705	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.64	95	376433	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	

Target Compounds

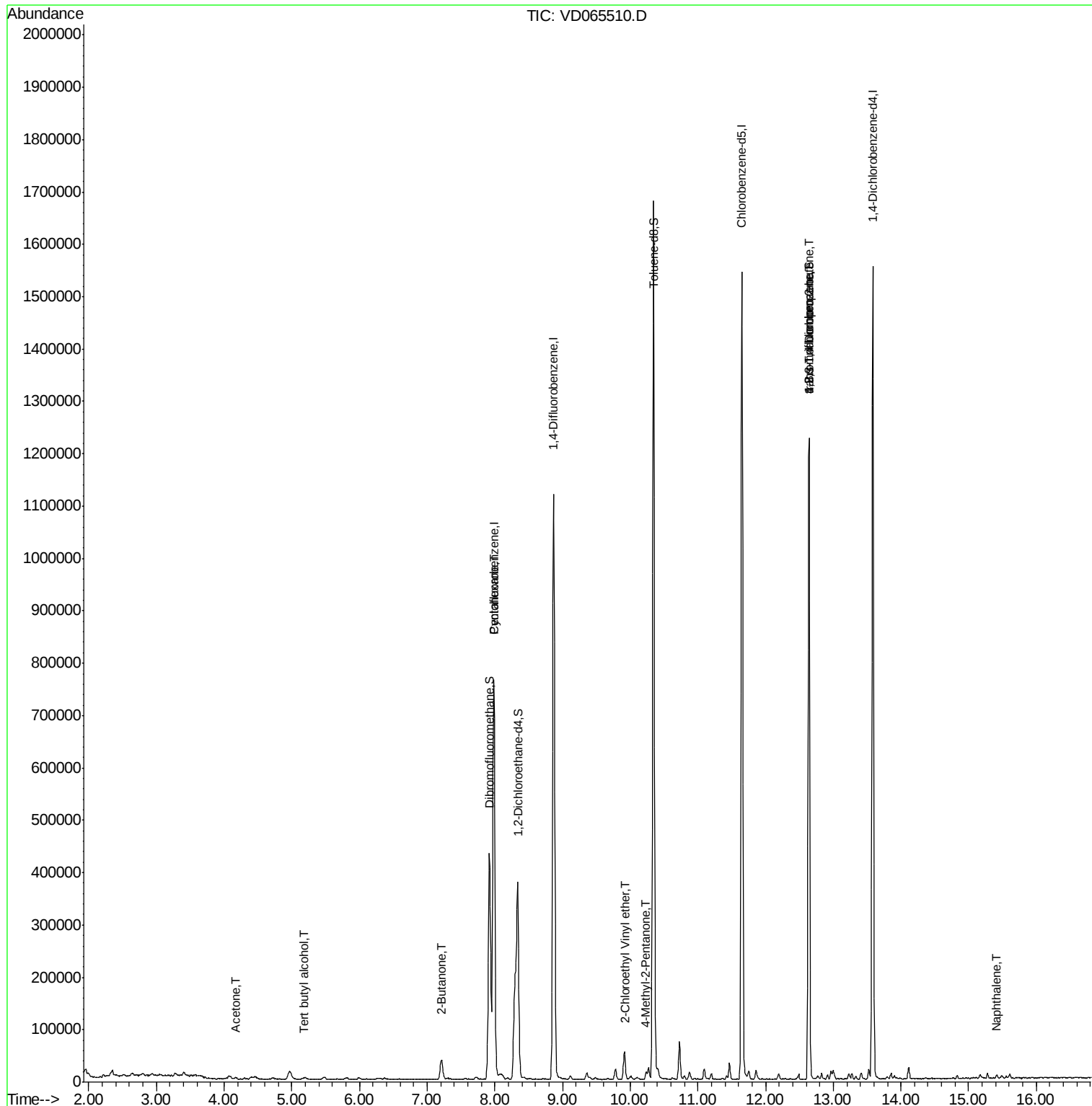
					Qvalue	
5) Bromomethane	2.79	94	2574	Below Cal		95
11) Tert butyl alcohol	5.17	59	1384	4.644 ug/l #		76
16) Acetone	4.16	43	4952	4.713 ug/l		95
20) Methylene Chloride	4.96	84	11455	Below Cal		91
25) 2-Butanone	7.22	43	2630	1.834 ug/l #		47
31) Cyclohexane	7.98	56	14669	1.422 ug/l #		4
51) 4-Methyl-2-Pentanone	10.23	43	11987	3.535 ug/l		93
58) 2-Chloroethyl Vinyl ether	9.94	63	134	2.261 ug/l #		46
76) 1,2,3-Trichloropropane	12.64	75	182206	53.957 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.64	75	182206	113.865 ug/l #		14
95) Naphthalene	15.41	128	5547	4.773 ug/l #		95

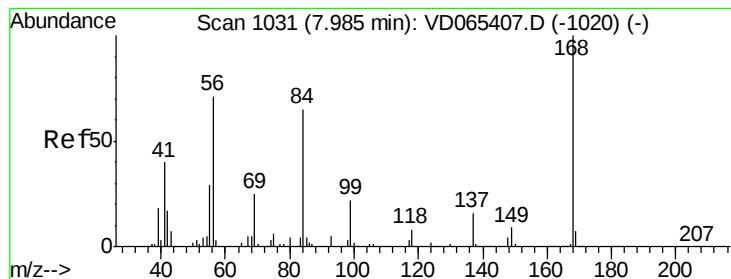
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VD065510.D

Acq: 16 Mar 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

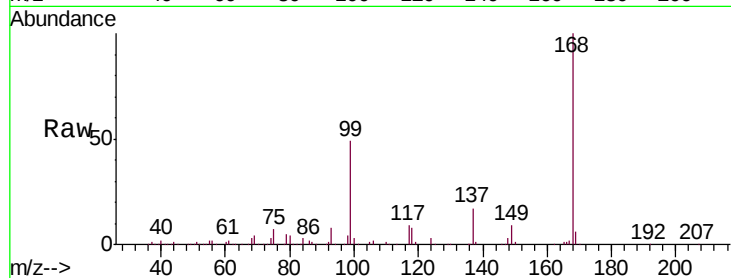
VD0316SBL01

Tgt Ion:168 Resp: 605639

Ion Ratio Lower Upper

168 100

99 48.5 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

300000

250000

200000

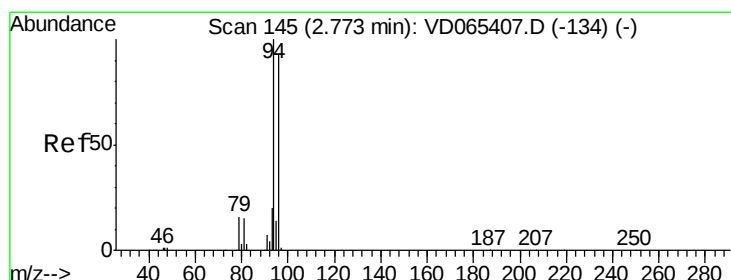
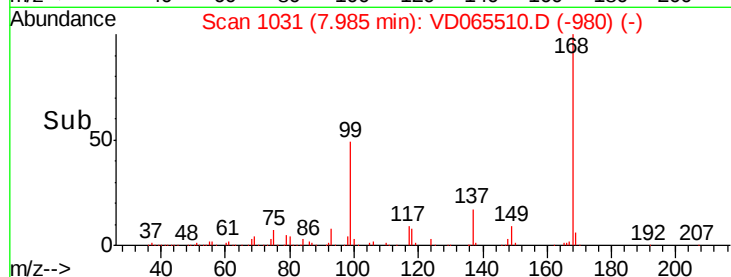
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD065510.D

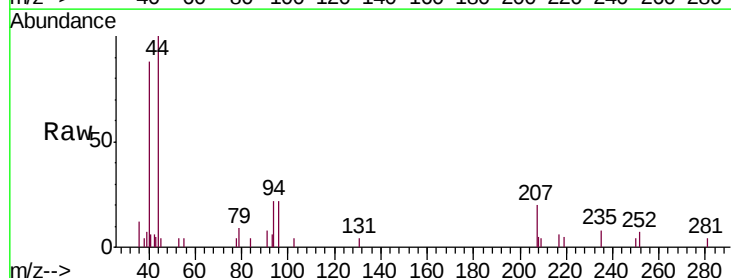
Acq: 16 Mar 2020 13:25

Tgt Ion: 94 Resp: 2574

Ion Ratio Lower Upper

94 100

96 97.5 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1200

1000

800

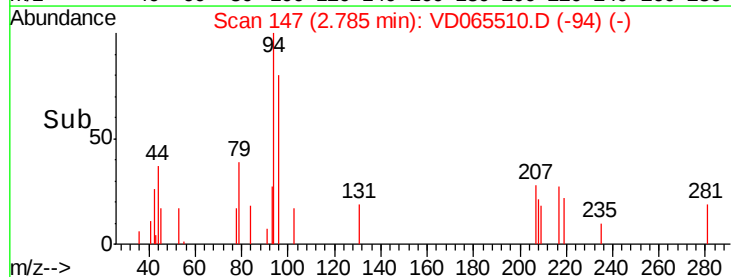
600

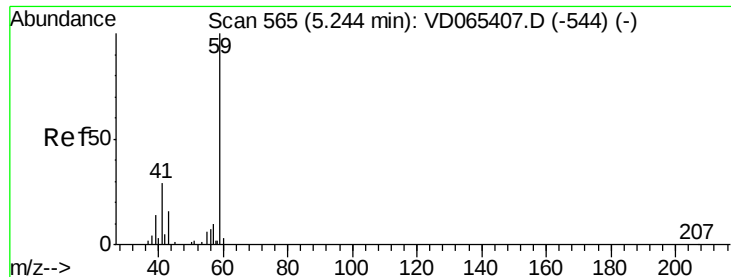
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200

0

Time-->

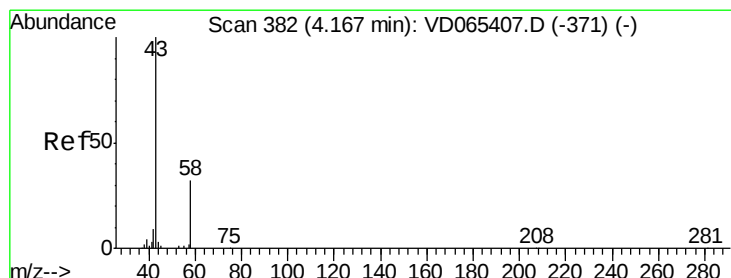
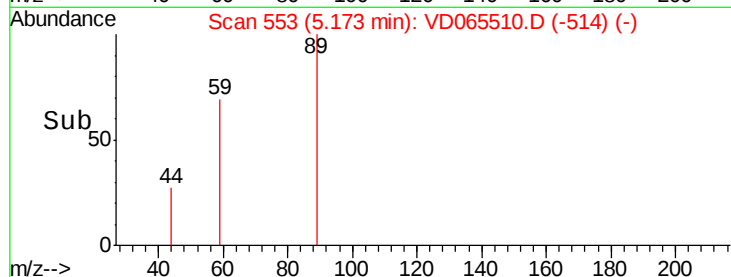
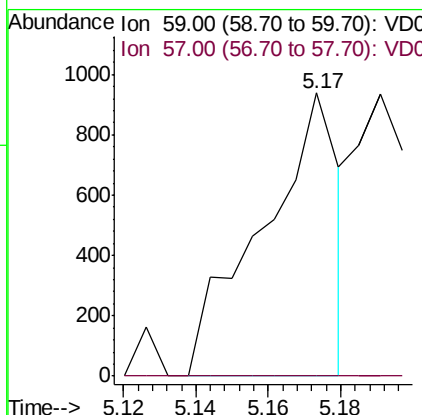
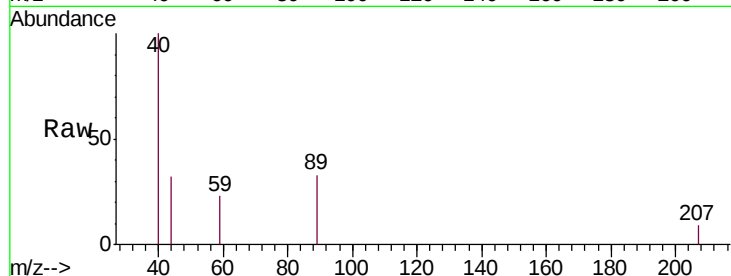




#11
Tert butyl alcohol
Concen: 4.644 ug/l
RT: 5.17 min Scan# 553
Delta R.T. -0.07 min
Lab File: VD065510.D
Acq: 16 Mar 2020 13:25

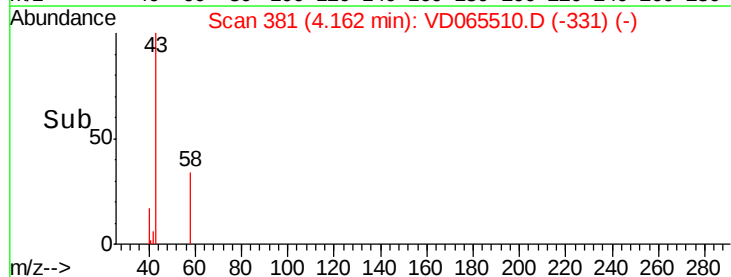
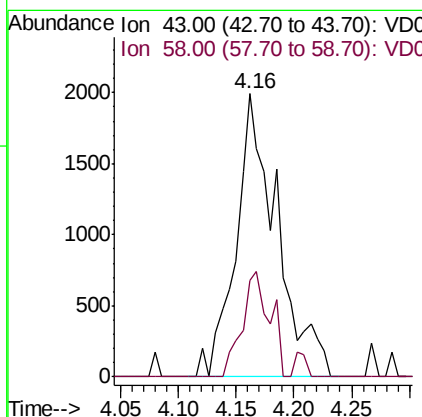
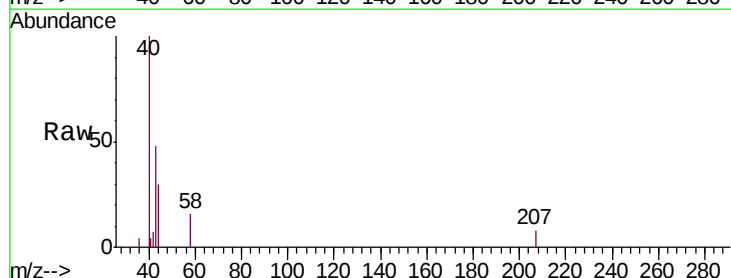
Instrument :
MSVOA_D
ClientSampleId :
VD0316SBL01

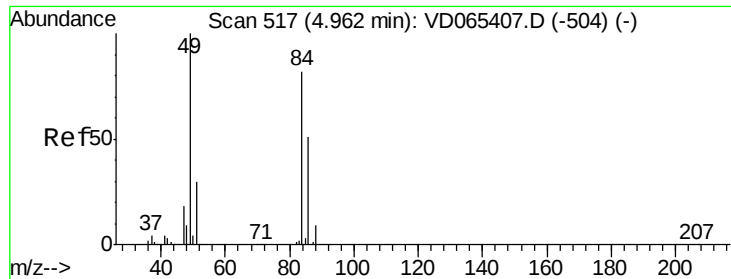
Tgt Ion: 59 Resp: 1384
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#



#16
Acetone
Concen: 4.713 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD065510.D
Acq: 16 Mar 2020 13:25

Tgt Ion: 43 Resp: 4952
Ion Ratio Lower Upper
43 100
58 34.1 25.1 37.7

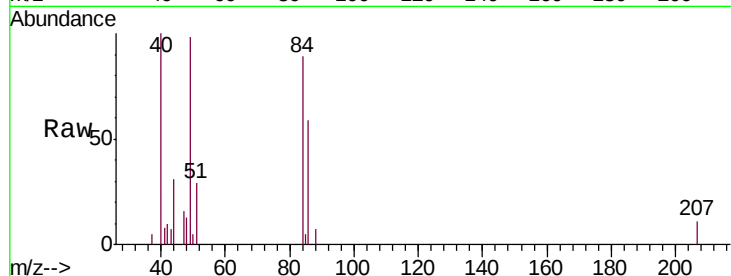




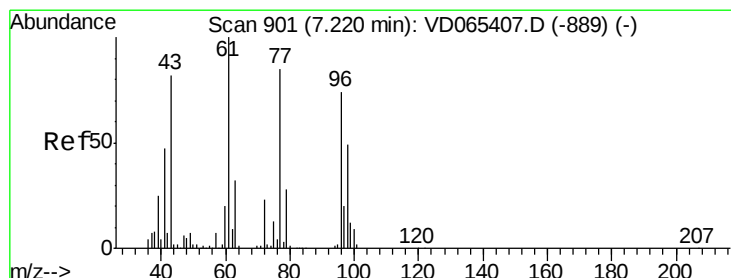
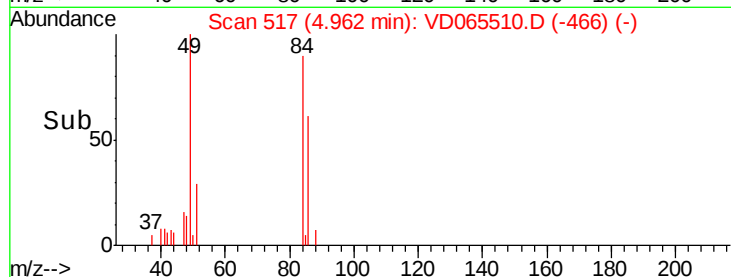
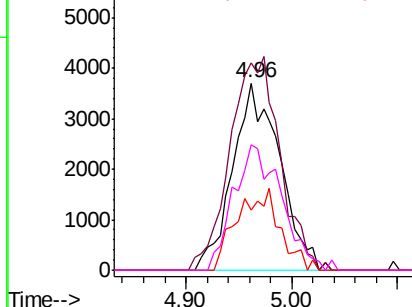
#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065510.D
Acq: 16 Mar 2020 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBL01

Tgt Ion: 84 Resp: 11455
Ion Ratio Lower Upper
84 100
49 110.5 97.7 146.5
51 32.4 28.8 43.2
86 66.9 49.5 74.3

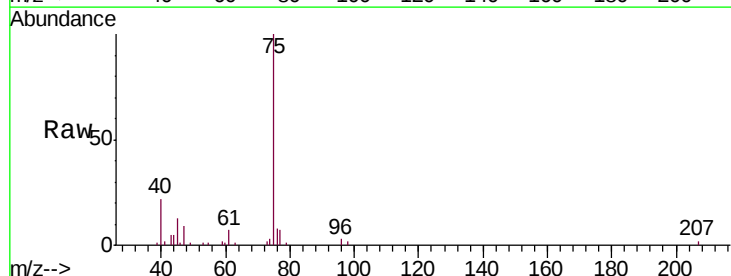


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

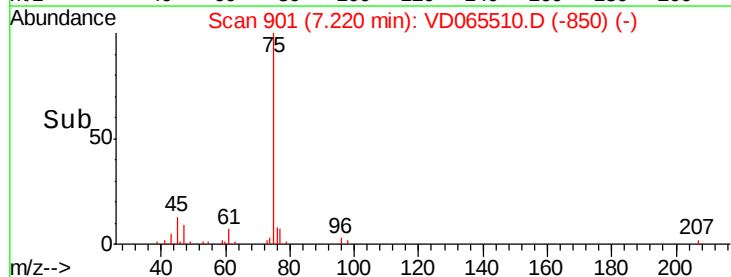
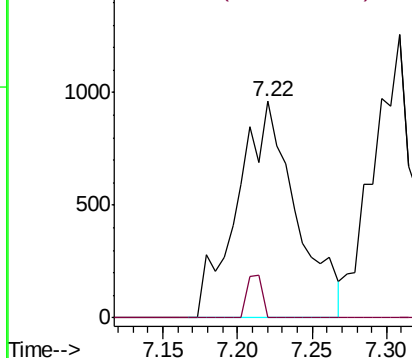


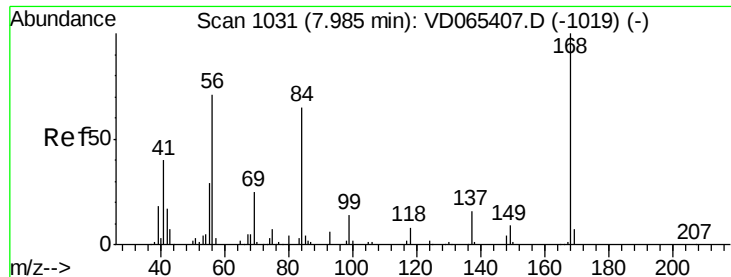
#25
2-Butanone
Concen: 1.834 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD065510.D
Acq: 16 Mar 2020 13:25

Tgt Ion: 43 Resp: 2630
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

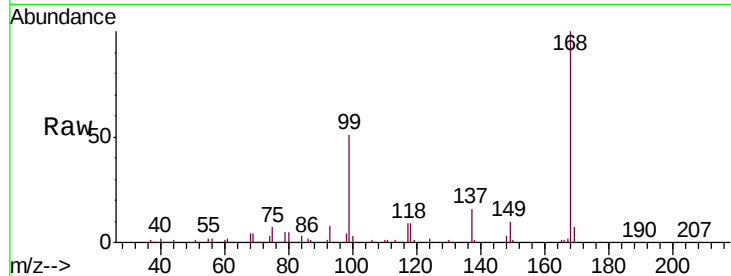




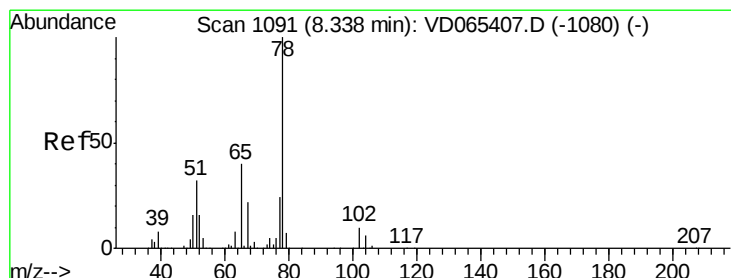
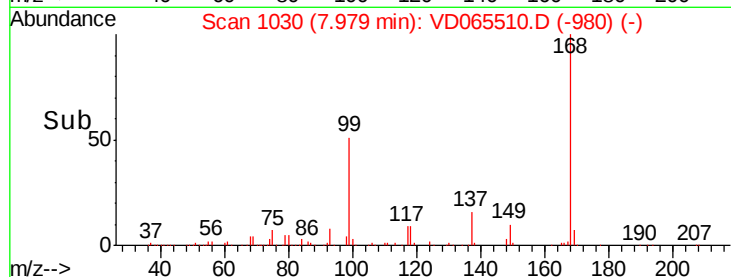
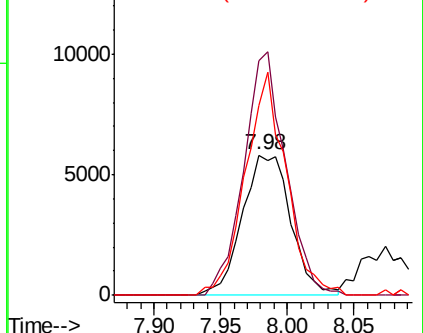
#31
Cyclohexane
Concen: 1.422 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065510.D
Acq: 16 Mar 2020 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBL01

Tgt Ion: 56 Resp: 14669
Ion Ratio Lower Upper
56 100
69 166.9 28.3 42.5#
84 135.1 73.1 109.7#

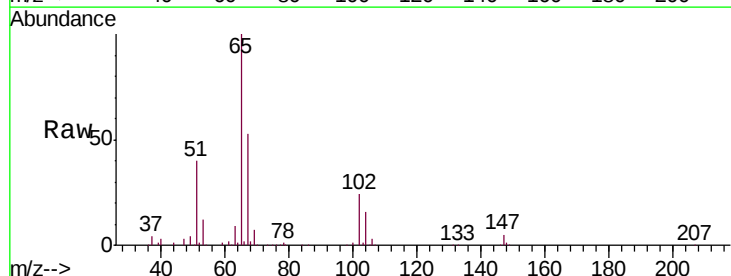


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

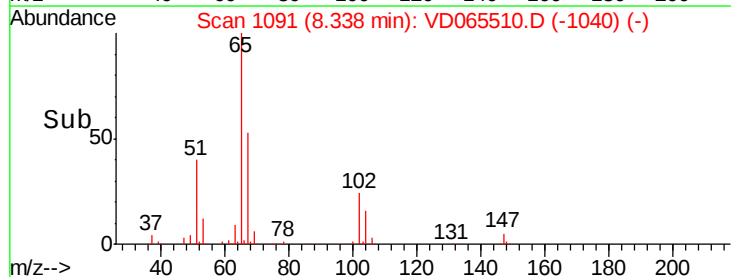
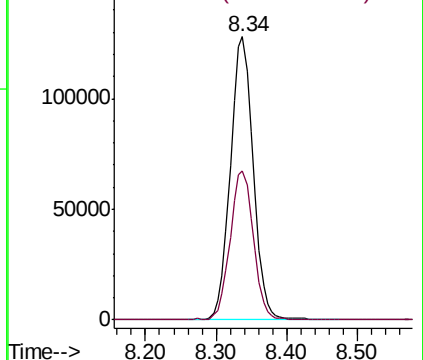


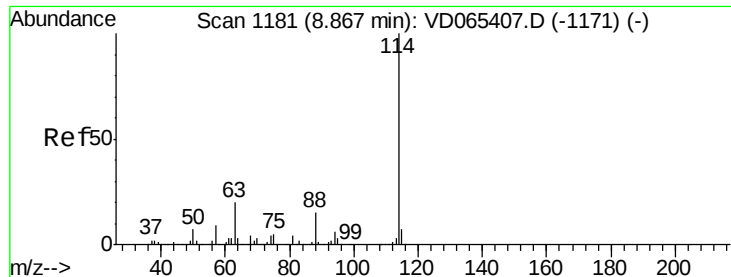
#33
1,2-Dichloroethane-d4
Concen: 55.313 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD065510.D
Acq: 16 Mar 2020 13:25

Tgt Ion: 65 Resp: 287361
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

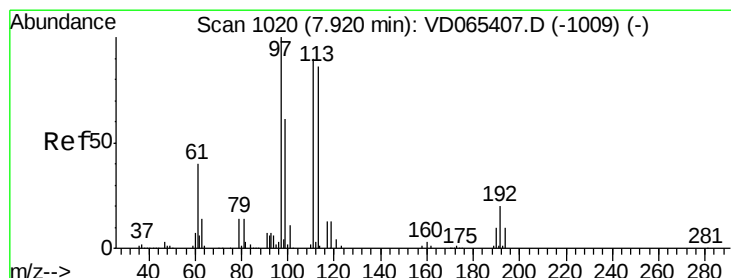
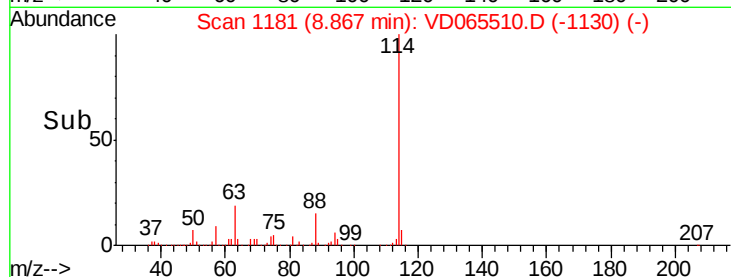
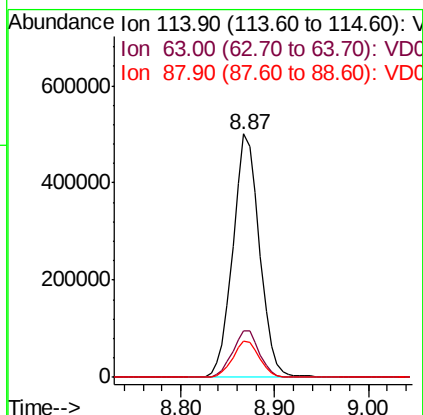
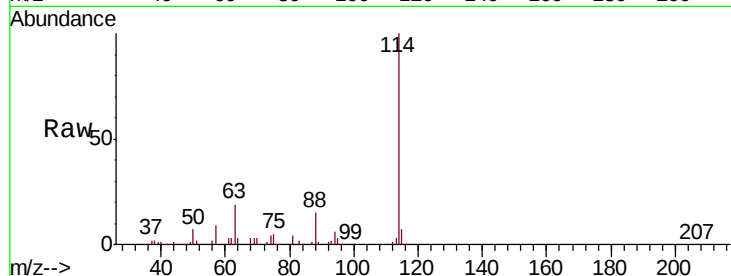




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065510.D
 Acq: 16 Mar 2020 13:25

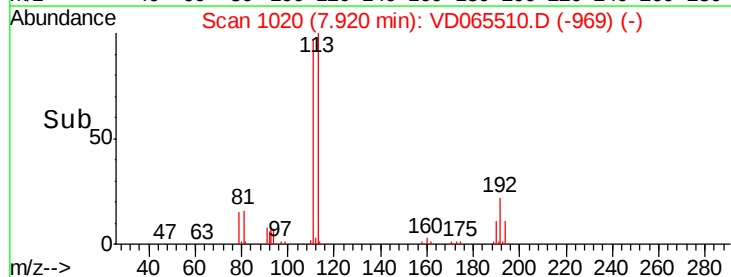
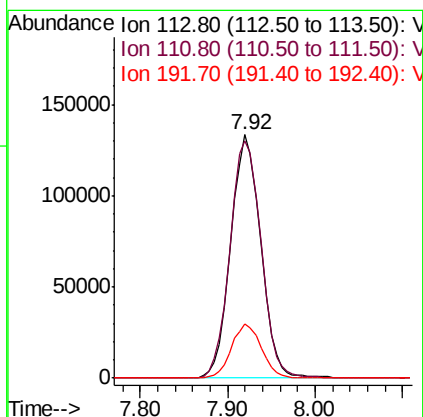
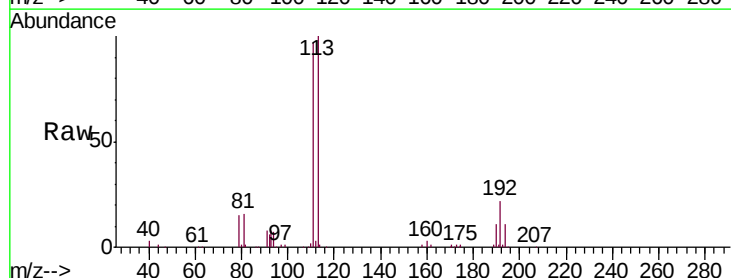
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0316SBL01

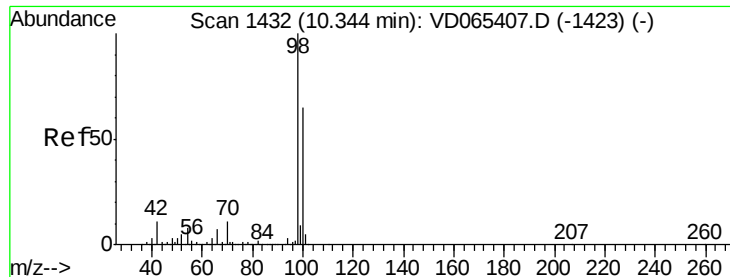
Tgt Ion:114 Resp: 985061
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.6
 88 14.8 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 51.081 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065510.D
 Acq: 16 Mar 2020 13:25

Tgt Ion:113 Resp: 311171
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.1 123.1
 192 22.2 17.2 25.8

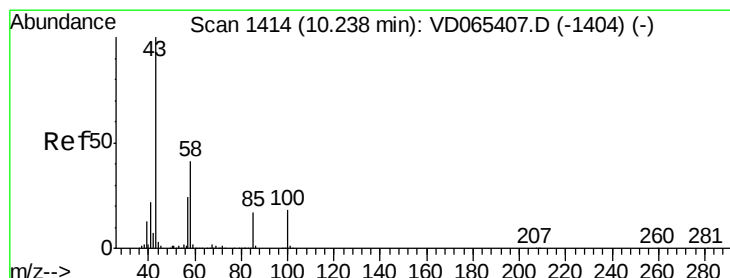
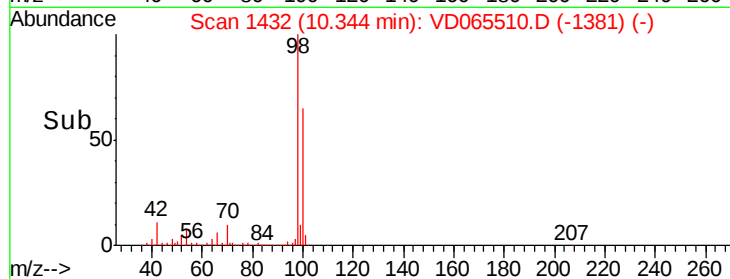
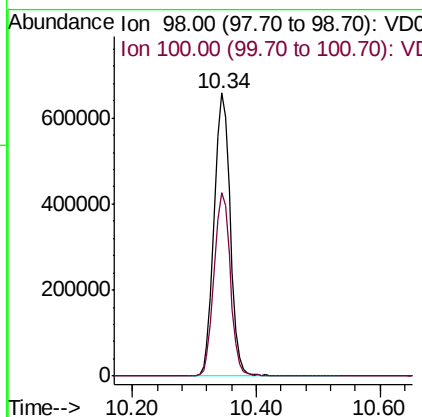
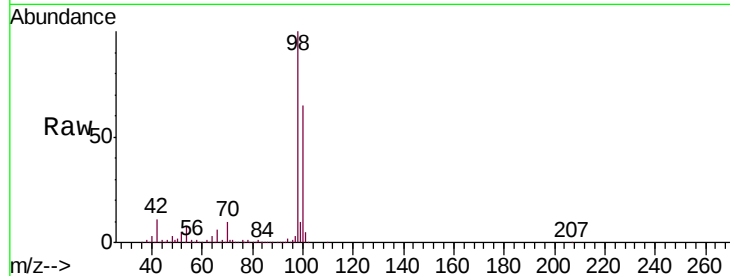




#50
Toluene-d8
Concen: 50.608 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065510.D
Acq: 16 Mar 2020 13:25

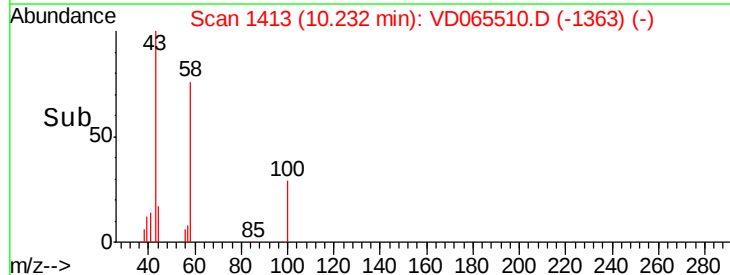
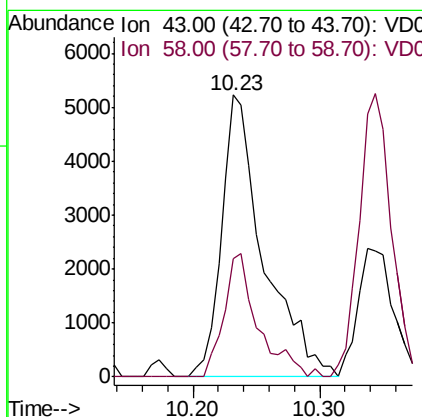
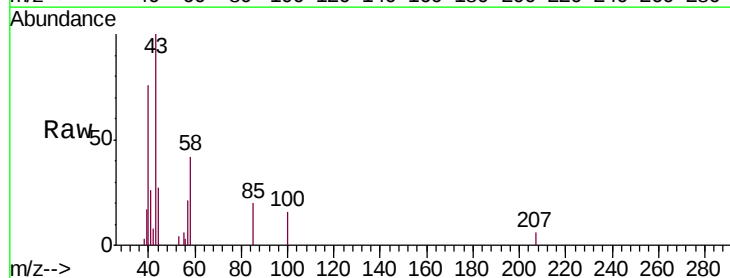
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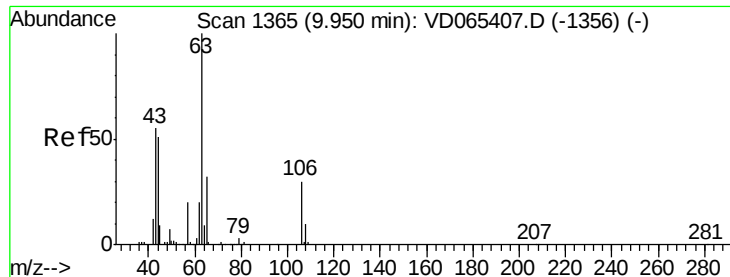
Tgt Ion: 98 Resp: 1182705
Ion Ratio Lower Upper
98 100
100 65.4 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 3.535 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065510.D
Acq: 16 Mar 2020 13:25

Tgt Ion: 43 Resp: 11987
Ion Ratio Lower Upper
43 100
58 35.4 31.8 47.6





#58

2-Chloroethyl Vinyl ether

Concen: 2.261 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VD065510.D

Acq: 16 Mar 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

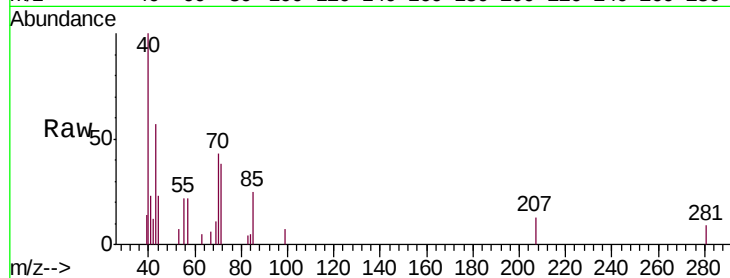
VD0316SBL01

Tgt Ion: 63 Resp: 134

Ion Ratio Lower Upper

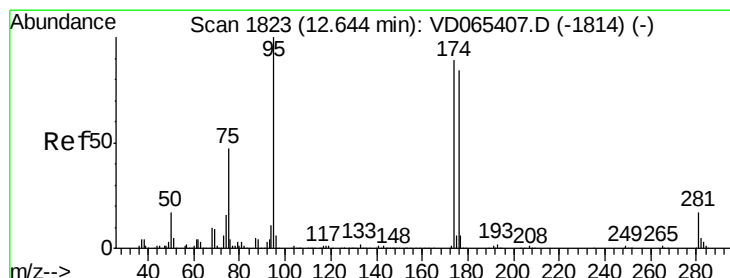
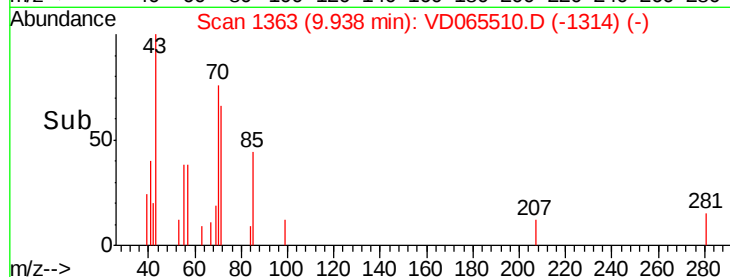
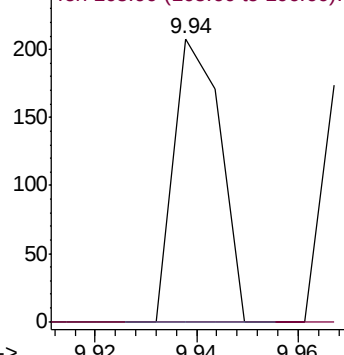
63 100

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): V



#62

4-Bromofluorobenzene

Concen: 52.177 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VD065510.D

Acq: 16 Mar 2020 13:25

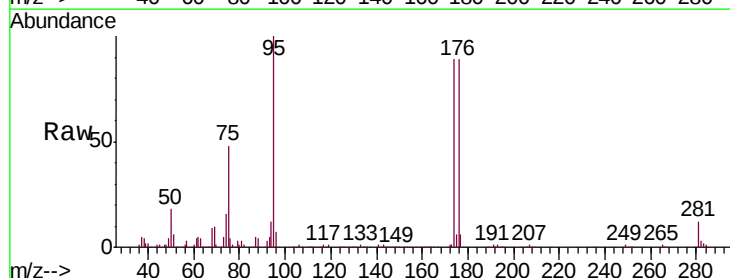
Tgt Ion: 95 Resp: 376433

Ion Ratio Lower Upper

95 100

174 89.9 0.0 176.8

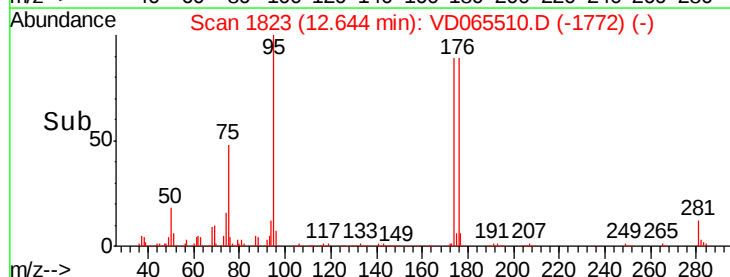
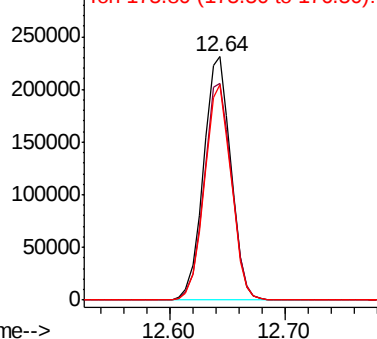
176 86.9 0.0 171.4

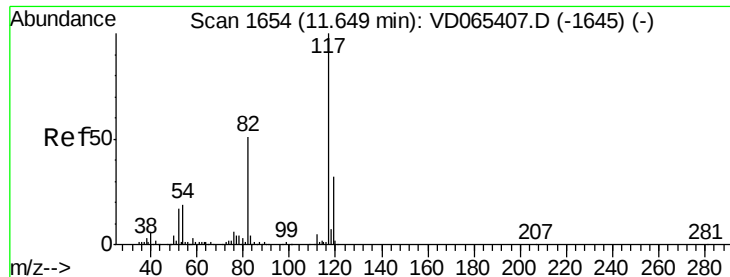


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

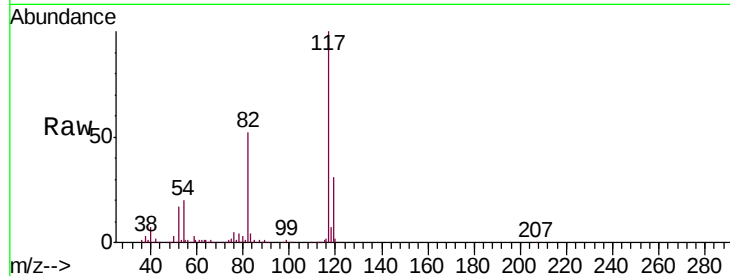




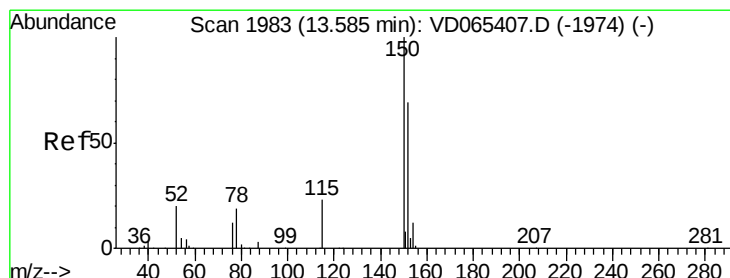
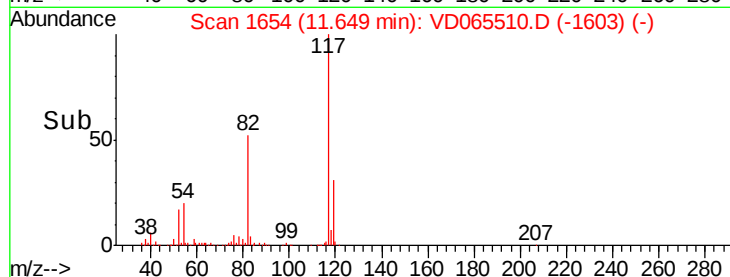
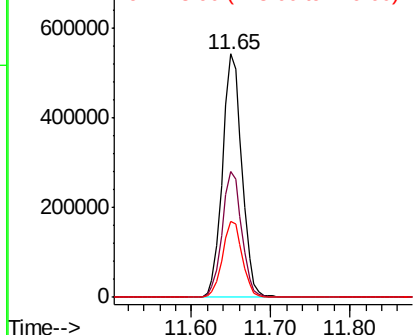
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065510.D
Acq: 16 Mar 2020 13:25

Instrument :
MSVOA_D
ClientSampleId :
VD0316SBL01

Tgt Ion:117 Resp: 919830
Ion Ratio Lower Upper
117 100
82 51.8 40.6 60.8
119 30.9 25.4 38.2

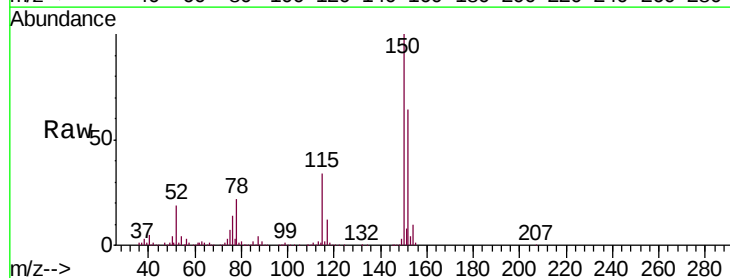


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

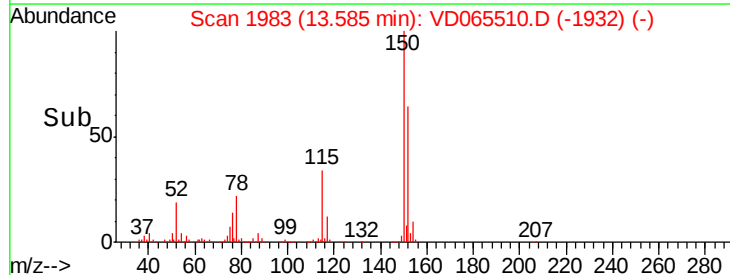
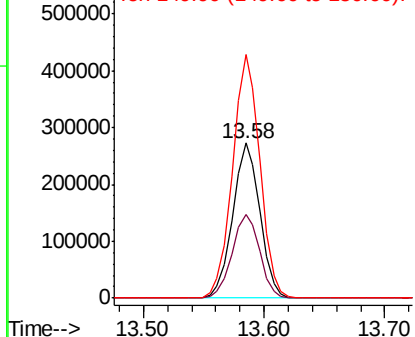


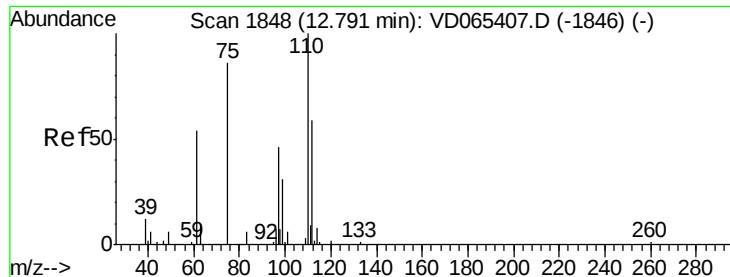
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065510.D
Acq: 16 Mar 2020 13:25

Tgt Ion:152 Resp: 427949
Ion Ratio Lower Upper
152 100
115 54.9 27.6 82.8
150 157.2 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: 53.957 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065510.D

Acq: 16 Mar 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

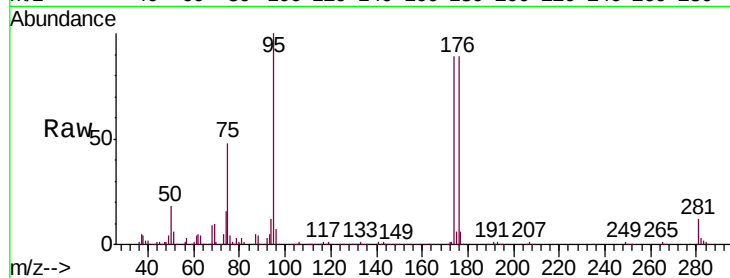
VD0316SBL01

Tgt Ion: 75 Resp: 182206

Ion Ratio Lower Upper

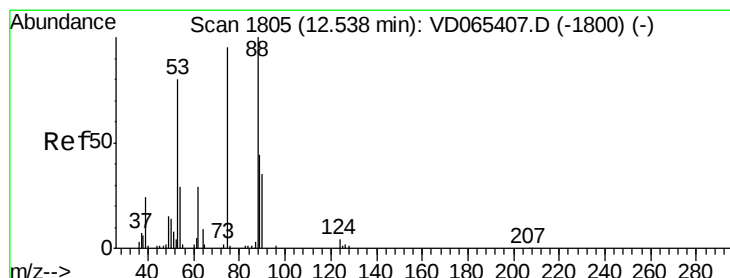
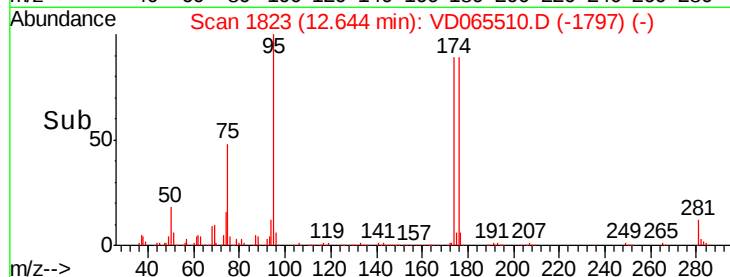
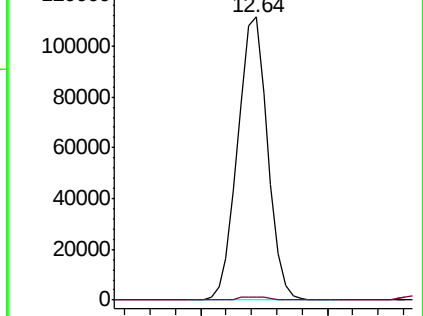
75 100

77 1.1 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: 113.865 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065510.D

Acq: 16 Mar 2020 13:25

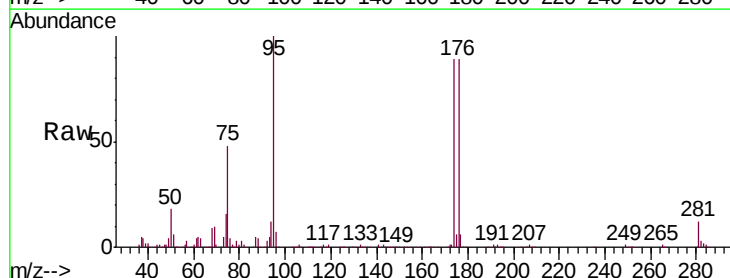
Tgt Ion: 75 Resp: 182206

Ion Ratio Lower Upper

75 100

53 0.2 71.3 106.9#

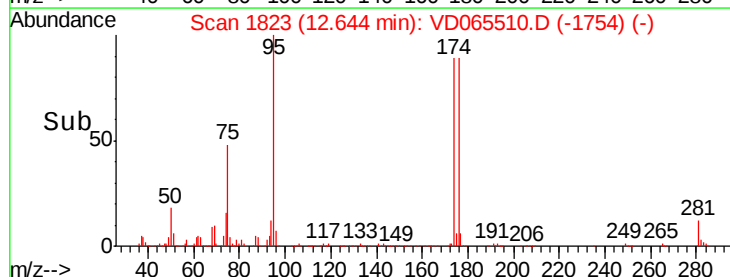
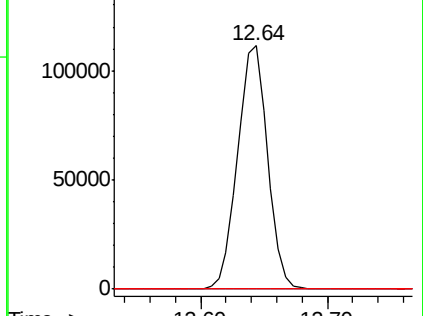
89 0.2 37.0 55.6#

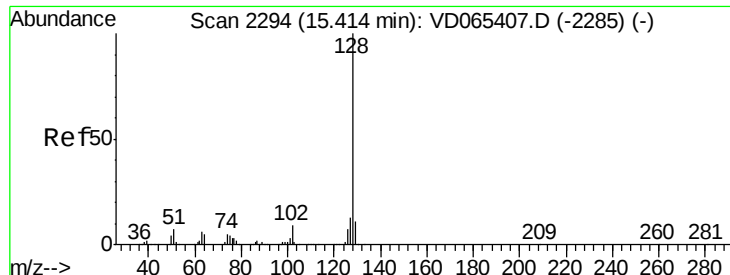


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 4.773 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD065510.D

Acq: 16 Mar 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

VD0316SBL01

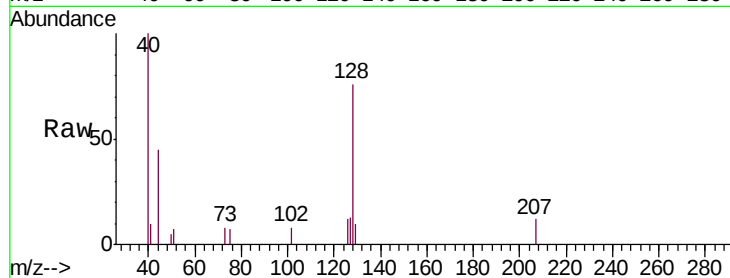
Tgt Ion:128 Resp: 5547

Ion Ratio Lower Upper

128 100

127 9.6 10.6 16.0#

129 11.1 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

