

Data File : VD065460.D
Acq On : 10 Mar 2020 12:55
Operator : VA/SY
Sample : VD0310SBL01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBL01

Quant Time: Mar 11 01:54:11 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	411053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	699611	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	619131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	272776	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	185616	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	7.92	113	195750	45.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.50%	
50) Toluene-d8	10.34	98	708733	42.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.40%	
62) 4-Bromofluorobenzene	12.64	95	199575	38.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.90%	

Target Compounds

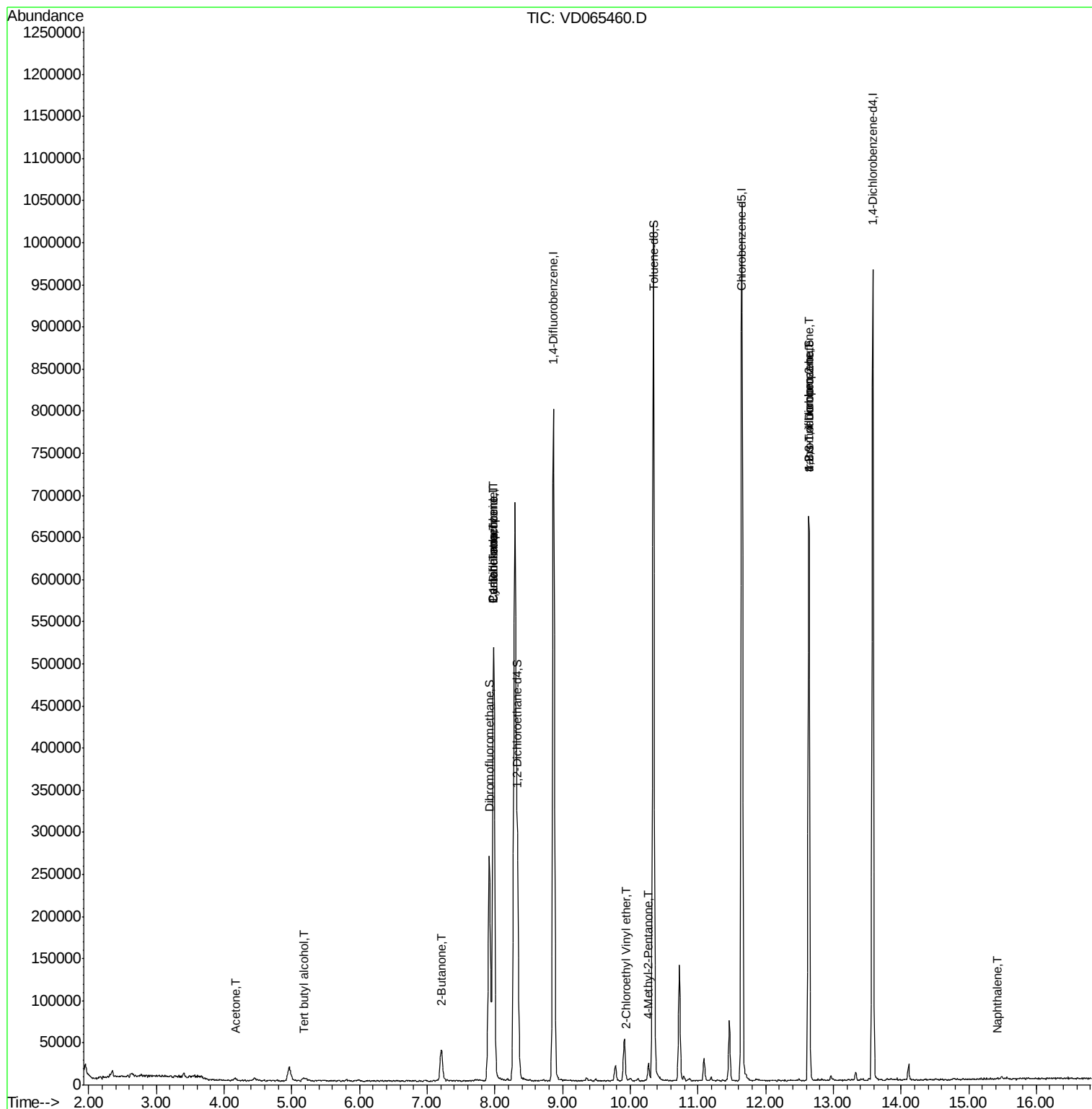
						Qvalue
5) Bromomethane	2.77	94	340	Below Cal	#	31
11) Tert butyl alcohol	5.18	59	2458	12.153	ug/l #	76
16) Acetone	4.17	43	4334	6.078	ug/l	91
20) Methylene Chloride	4.96	84	12600	Below Cal		90
25) 2-Butanone	7.22	43	2236	2.298	ug/l #	85
31) Cyclohexane	7.97	56	8639	1.234	ug/l #	22
36) 1,1-Dichloropropene	7.98	75	29511	4.401	ug/l #	48
38) Carbon Tetrachloride	7.98	117	37729	5.425	ug/l #	19
51) 4-Methyl-2-Pentanone	10.27	43	3139	1.303	ug/l #	64
58) 2-Chloroethyl Vinyl ether	9.94	63	490	2.594	ug/l #	46
76) 1,2,3-Trichloropropane	12.64	75	98583	45.801	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	98583	96.653	ug/l #	14
95) Naphthalene	15.42	128	1101	4.521	ug/l #	69

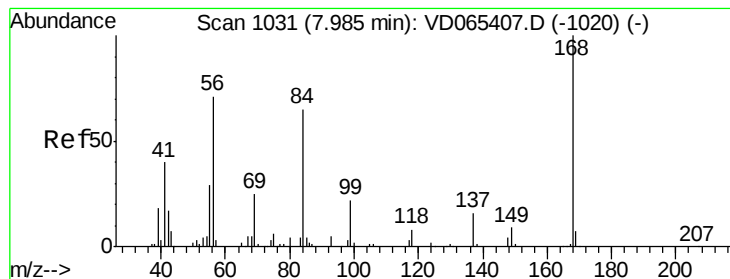
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065460.D

Acq: 10 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

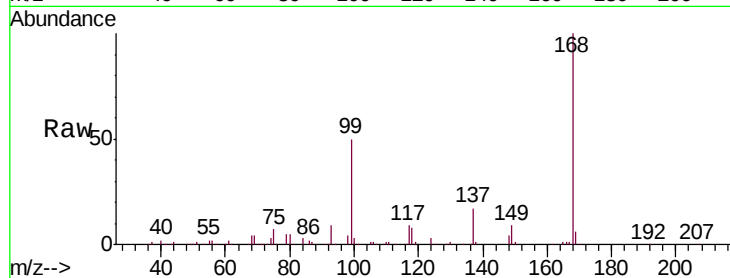
VD0310SBL01

Tgt Ion: 168 Resp: 411053

Ion Ratio Lower Upper

168 100

99 50.3 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

200000

150000

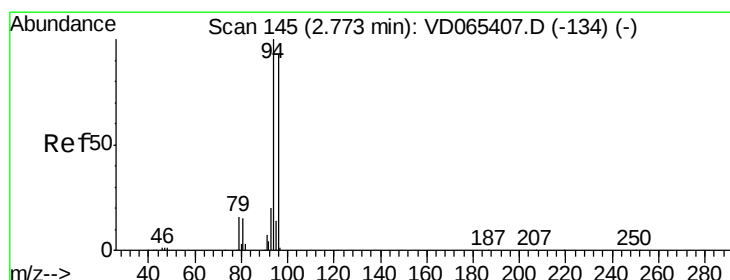
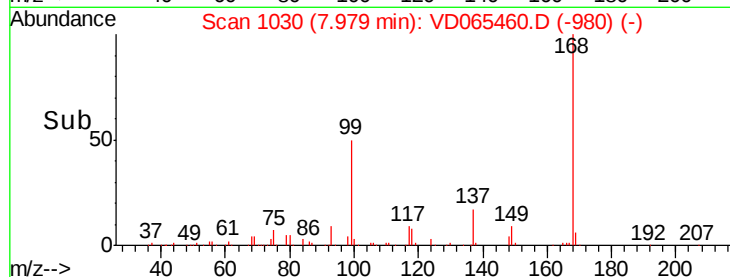
100000

50000

0

7.90 8.00 8.10

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065460.D

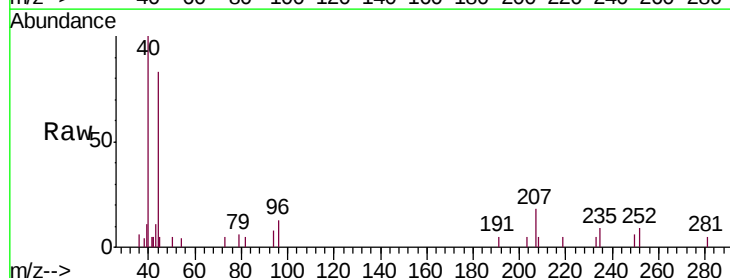
Acq: 10 Mar 2020 12:55

Tgt Ion: 94 Resp: 340

Ion Ratio Lower Upper

94 100

96 158.9 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

600

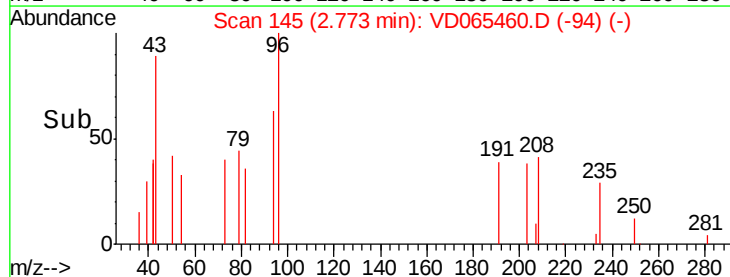
400

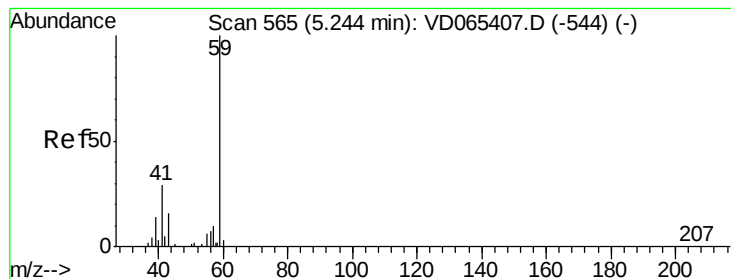
200

0

2.74 2.76 2.78

Time-->



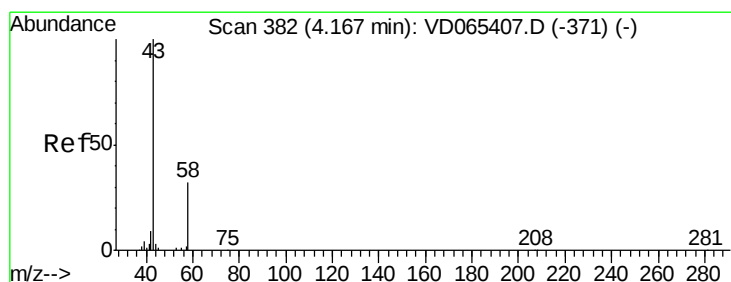
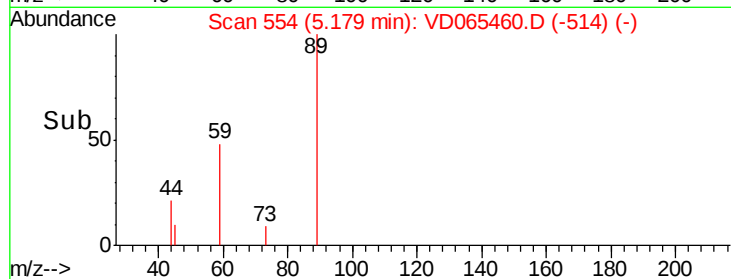
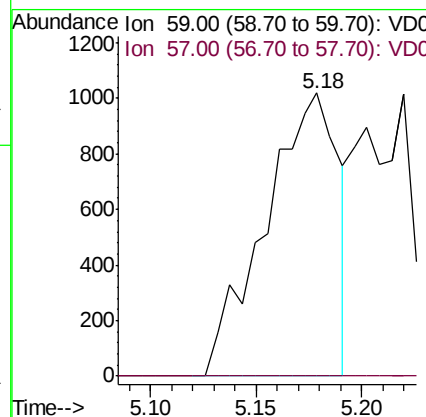
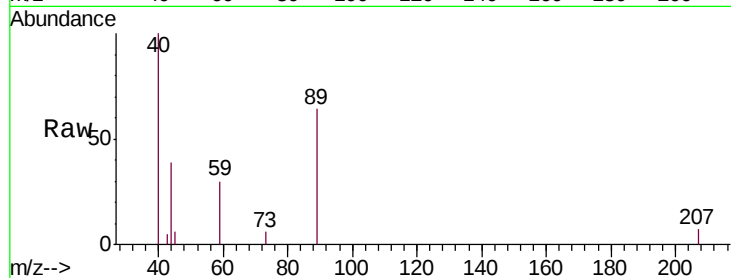


#11

Tert butyl alcohol
Concen: 12.153 ug/l
RT: 5.18 min Scan# 554
Delta R.T. -0.07 min
Lab File: VD065460.D
Acq: 10 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBL01

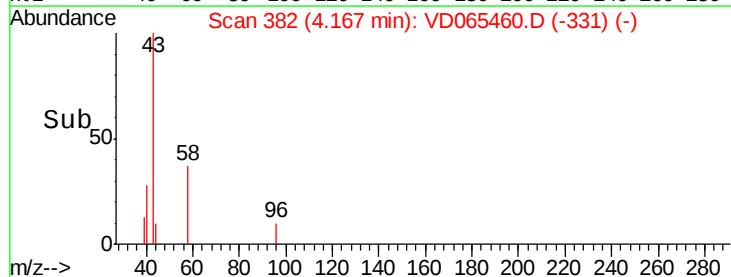
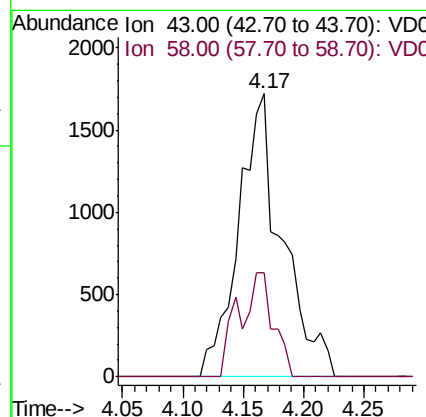
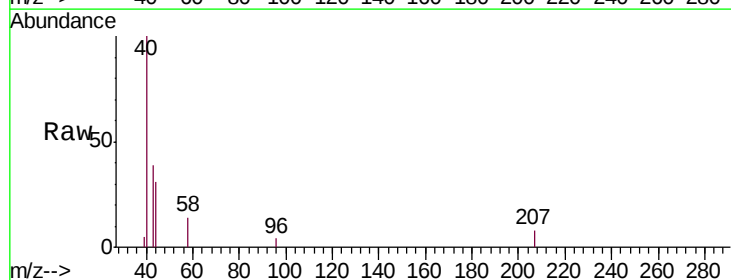
Tgt Ion: 59 Resp: 2458
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#

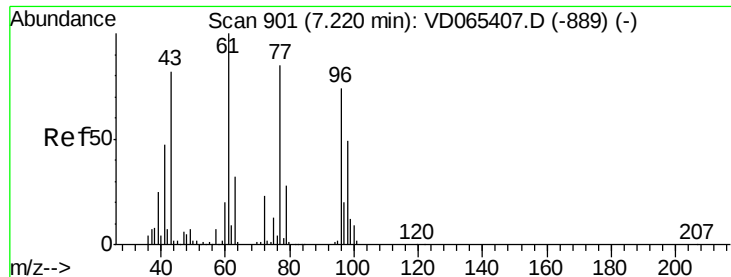


#16

Acetone
Concen: 6.078 ug/l
RT: 4.17 min Scan# 382
Delta R.T. -0.00 min
Lab File: VD065460.D
Acq: 10 Mar 2020 12:55

Tgt Ion: 43 Resp: 4334
Ion Ratio Lower Upper
43 100
58 36.6 25.1 37.7





#25

2-Butanone

Concen: 2.298 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065460.D

Acq: 10 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

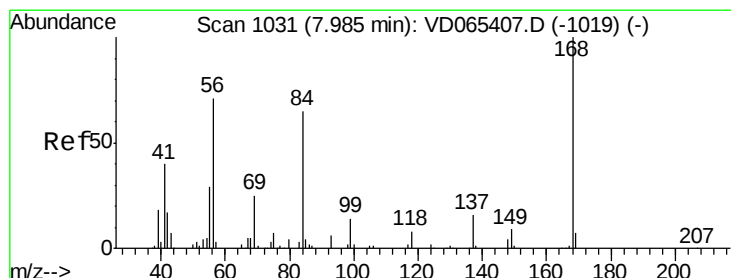
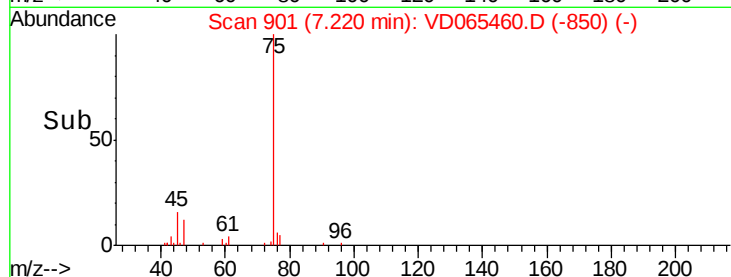
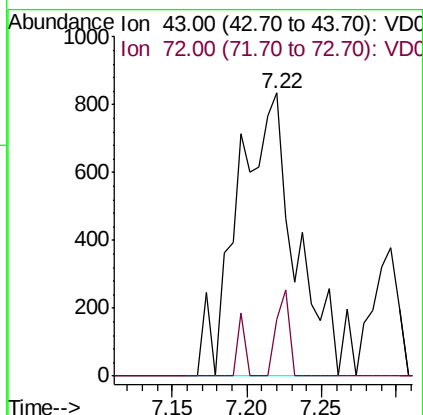
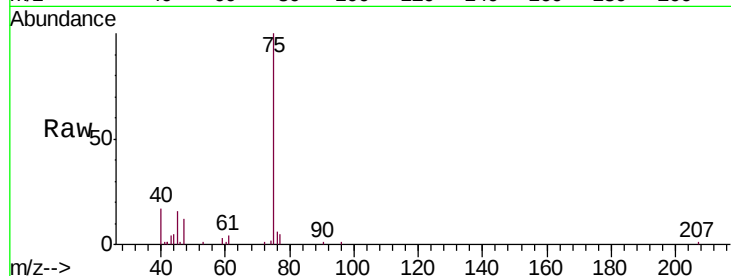
VD0310SBL01

Tgt Ion: 43 Resp: 2236

Ion Ratio Lower Upper

43 100

72 19.9 22.3 33.5#



#31

Cyclohexane

Concen: 1.234 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD065460.D

Acq: 10 Mar 2020 12:55

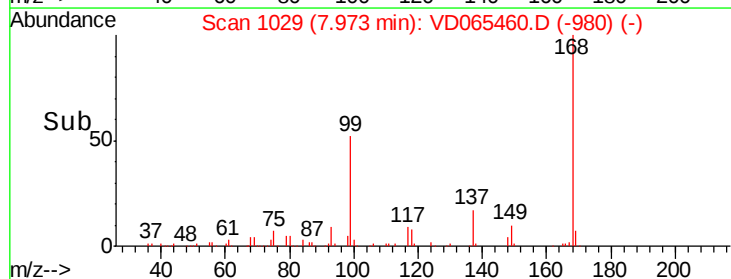
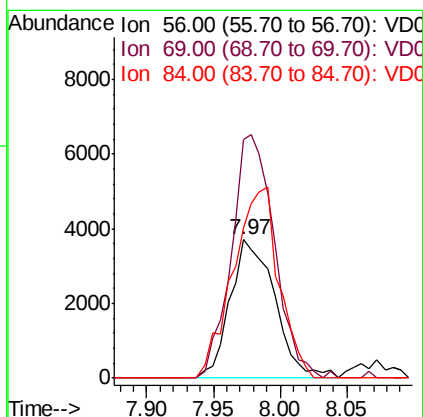
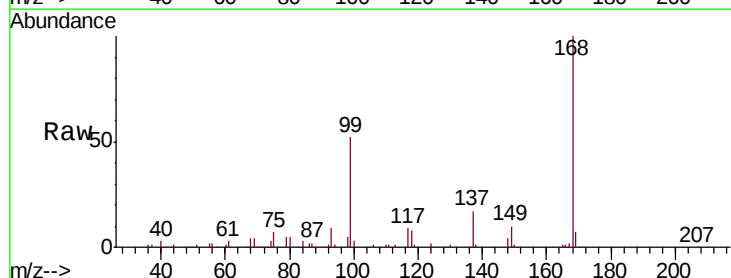
Tgt Ion: 56 Resp: 8639

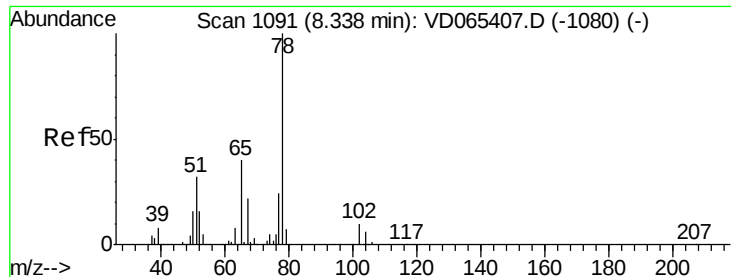
Ion Ratio Lower Upper

56 100

69 172.3 28.3 42.5#

84 108.4 73.1 109.7

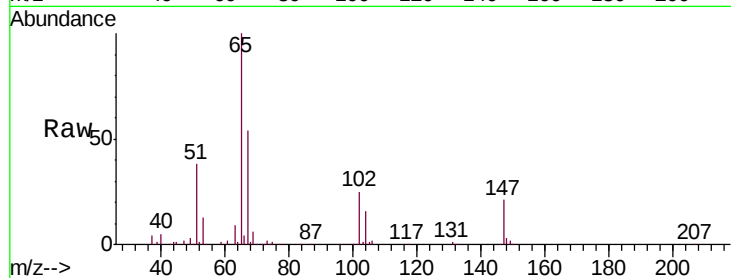




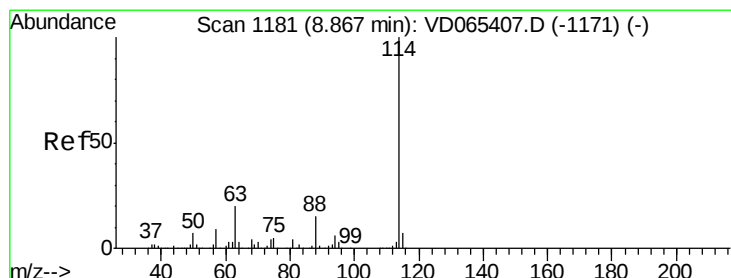
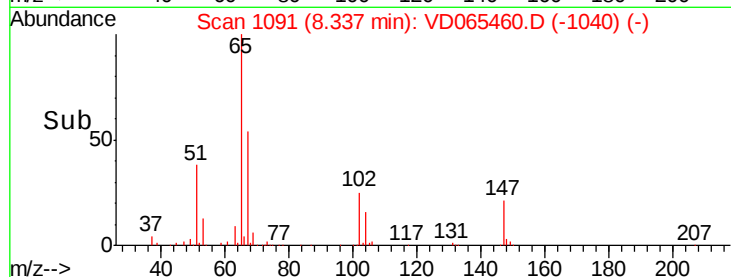
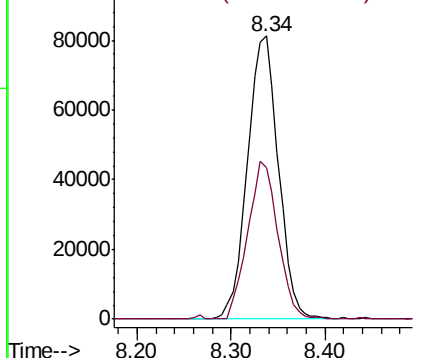
#33
 1,2-Dichloroethane-d4
 Concen: 52.642 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065460.D
 Acq: 10 Mar 2020 12:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBL01

Tgt Ion: 65 Resp: 185616
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 108.0

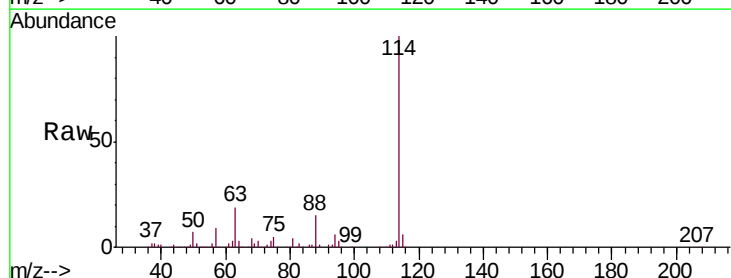


Abundance Ion 64.90 (64.60 to 65.60): VDC
 Ion 66.90 (66.60 to 67.60): VDC

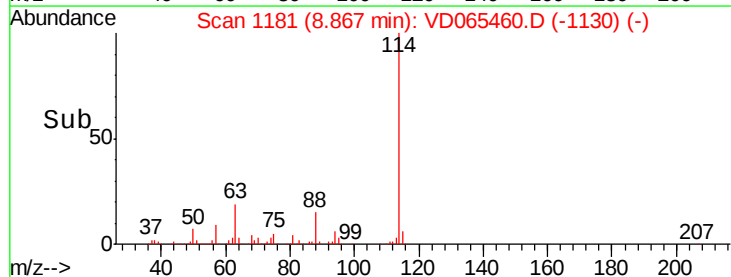
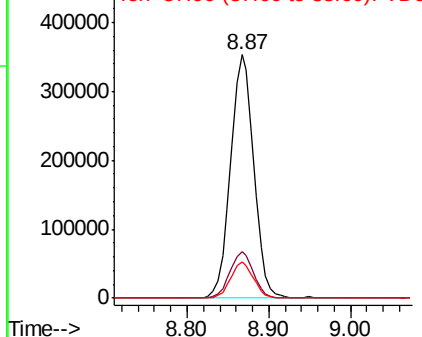


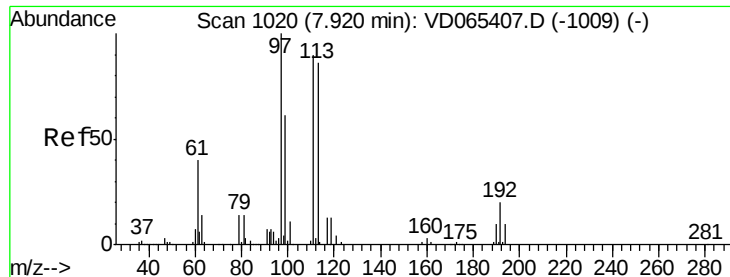
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065460.D
 Acq: 10 Mar 2020 12:55

Tgt Ion: 114 Resp: 699611
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.6
 88 14.9 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

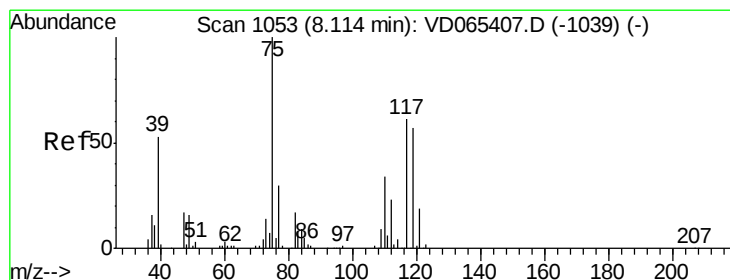
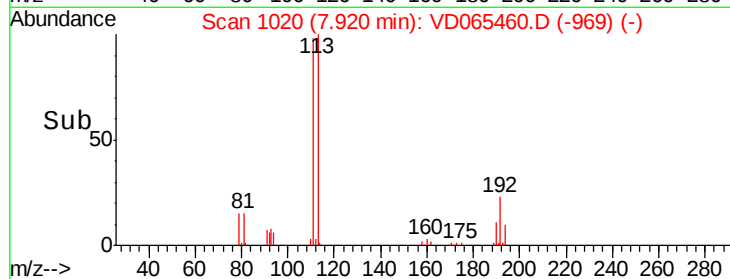
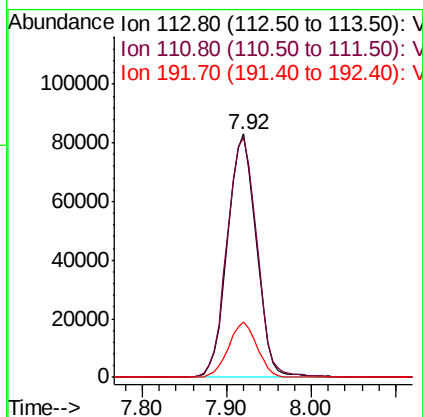
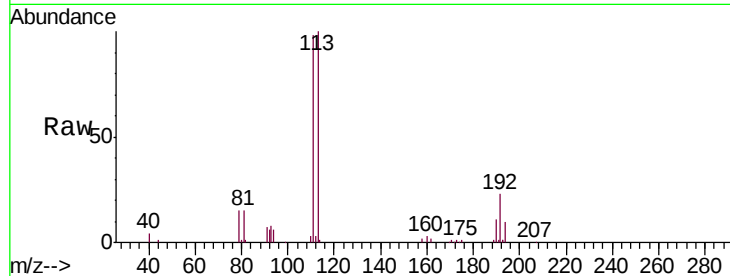




#35
 Dibromofluoromethane
 Concen: 45.245 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065460.D
 Acq: 10 Mar 2020 12:55

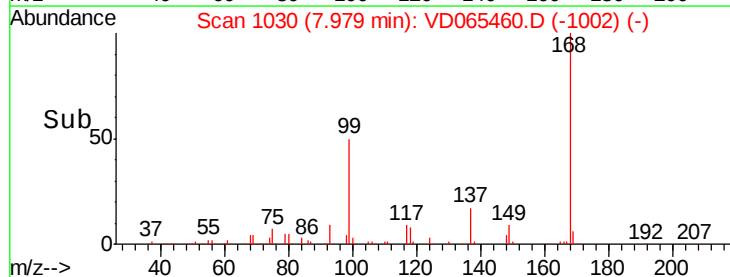
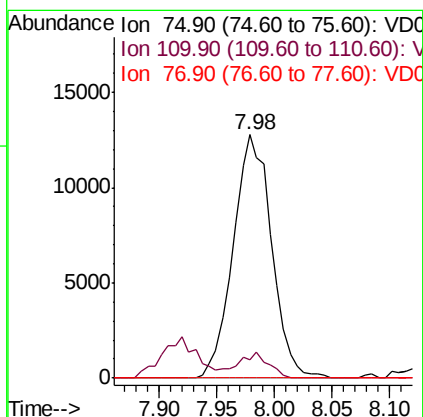
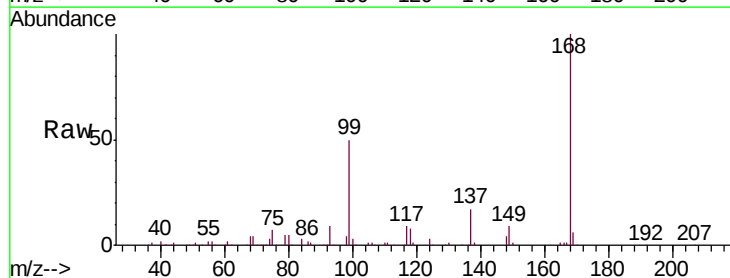
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0310SBL01

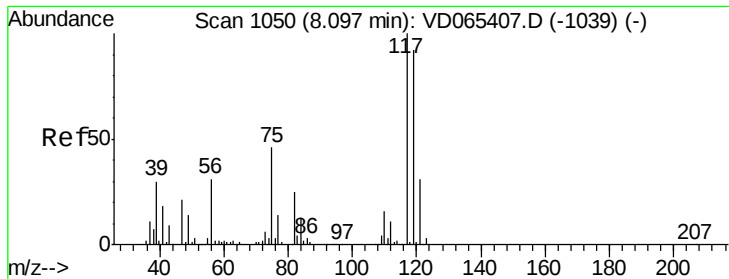
Tgt Ion: 113 Resp: 195750
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.1 123.1
 192 22.4 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 4.401 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065460.D
 Acq: 10 Mar 2020 12:55

Tgt Ion: 75 Resp: 29511
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.1 54.1#
 77 0.0 25.2 37.8#

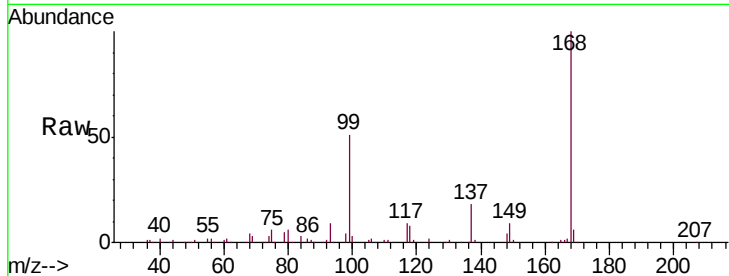




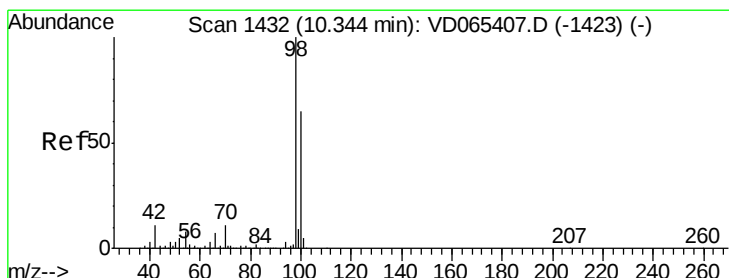
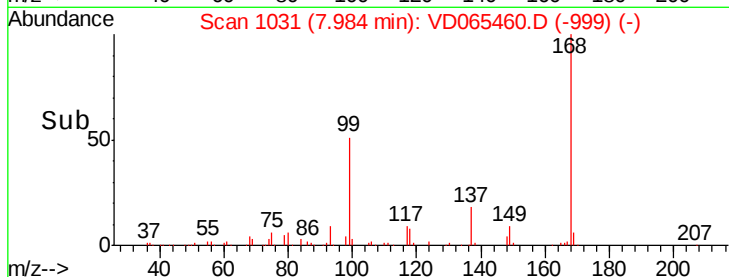
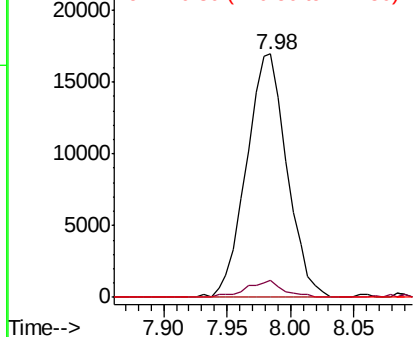
#38
Carbon Tetrachloride
Concen: 5.425 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065460.D
Acq: 10 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBL01

Tgt Ion: 117 Resp: 37729
Ion Ratio Lower Upper
117 100
119 7.0 73.3 109.9#
121 0.0 25.0 37.4#

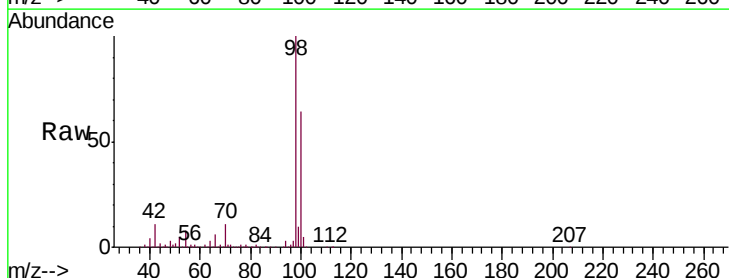


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

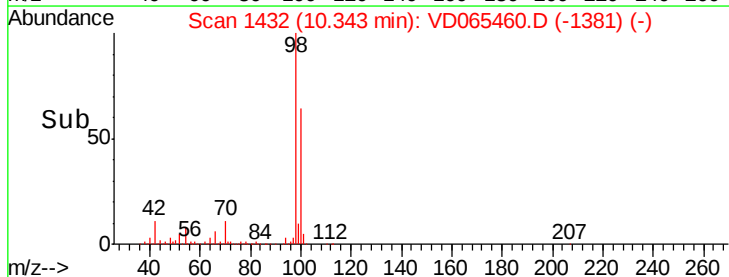
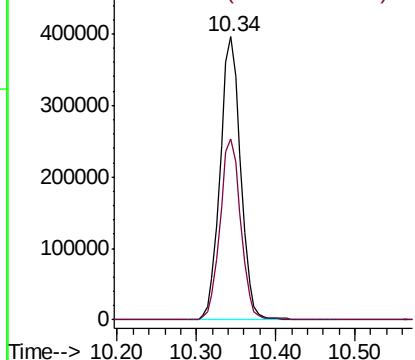


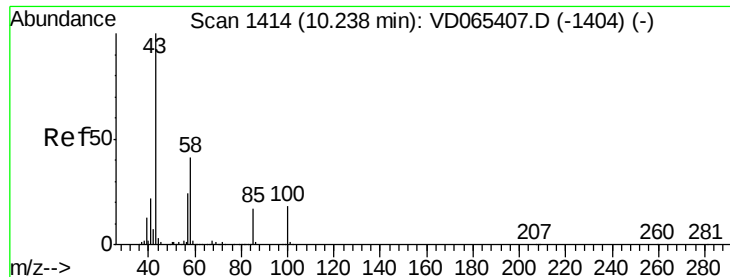
#50
Toluene-d8
Concen: 42.700 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065460.D
Acq: 10 Mar 2020 12:55

Tgt Ion: 98 Resp: 708733
Ion Ratio Lower Upper
98 100
100 64.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.303 ug/l

RT: 10.27 min Scan# 1419

Delta R.T. 0.03 min

Lab File: VD065460.D

Acq: 10 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

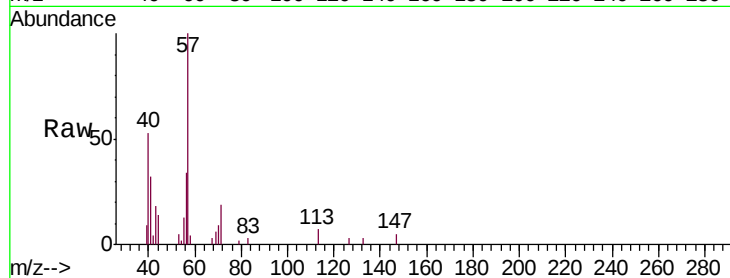
VD0310SBL01

Tgt Ion: 43 Resp: 3139

Ion Ratio Lower Upper

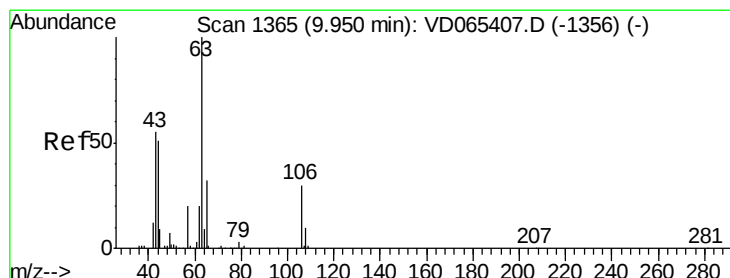
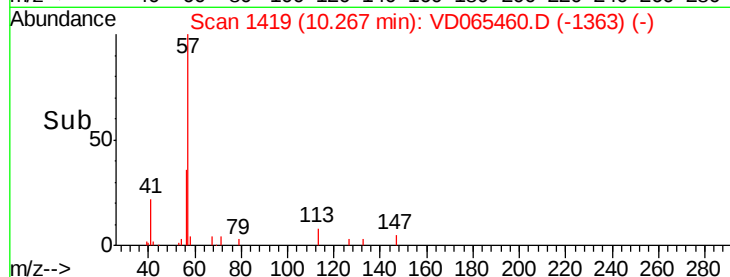
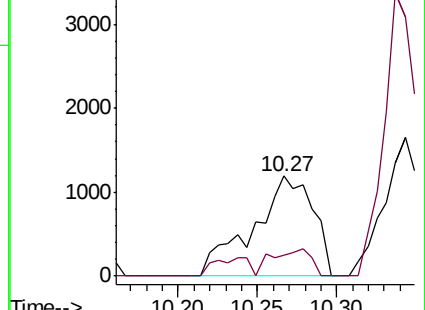
43 100

58 17.6 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 2.594 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065460.D

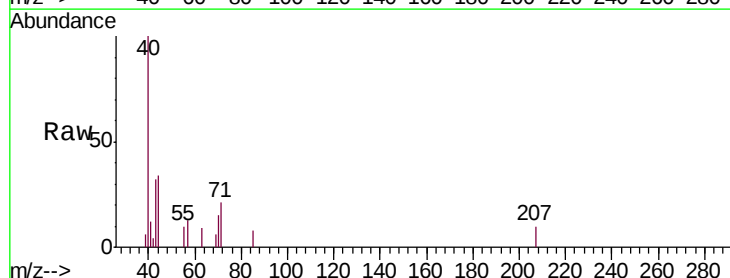
Acq: 10 Mar 2020 12:55

Tgt Ion: 63 Resp: 490

Ion Ratio Lower Upper

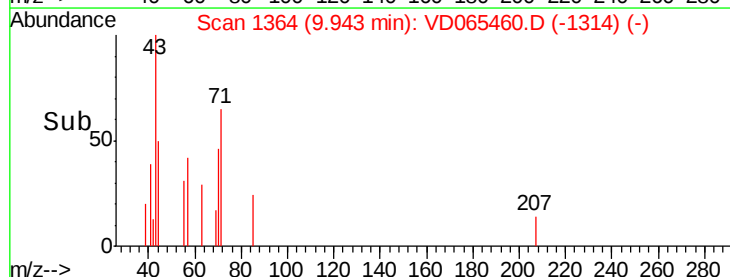
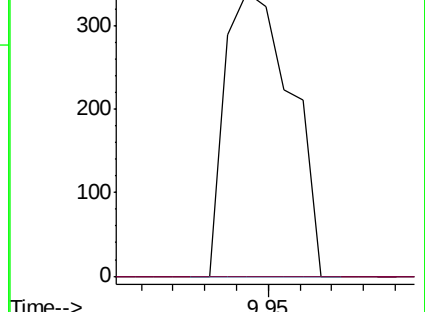
63 100

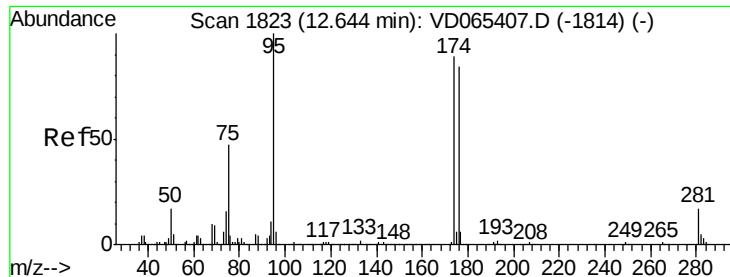
106 0.0 23.3 34.9#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC





#62

4-Bromofluorobenzene

Concen: 38.950 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VD065460.D

Acq: 10 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VD0310SBL01

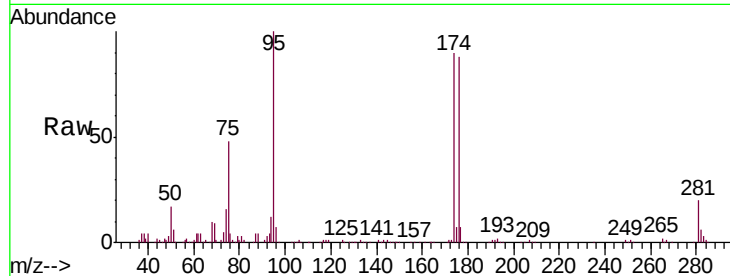
Tgt Ion: 95 Resp: 199575

Ion Ratio Lower Upper

95 100

174 91.2 0.0 176.8

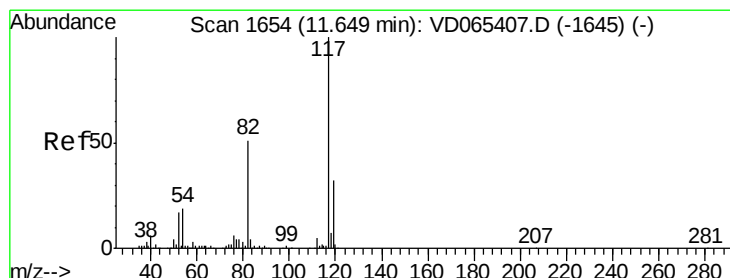
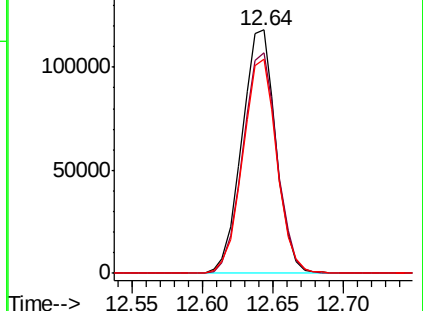
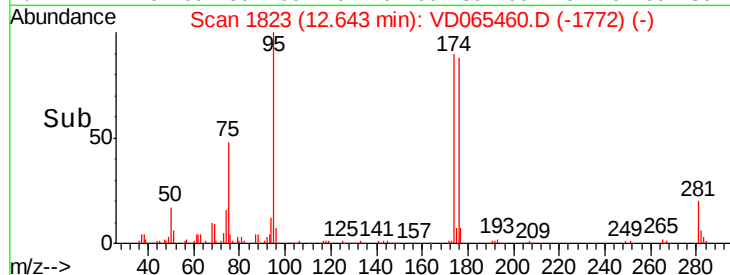
176 87.8 0.0 171.4



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: VD065460.D

Acq: 10 Mar 2020 12:55

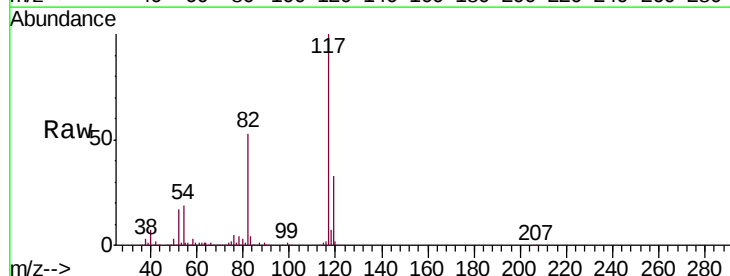
Tgt Ion: 117 Resp: 619131

Ion Ratio Lower Upper

117 100

82 52.7 40.6 60.8

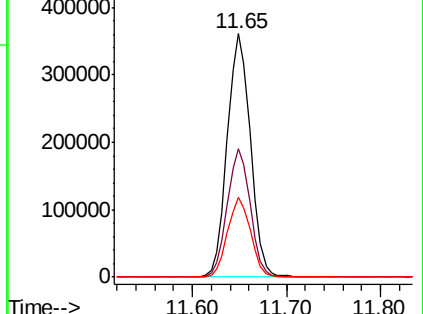
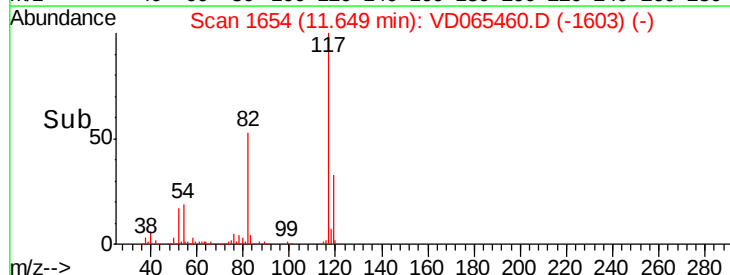
119 32.6 25.4 38.2

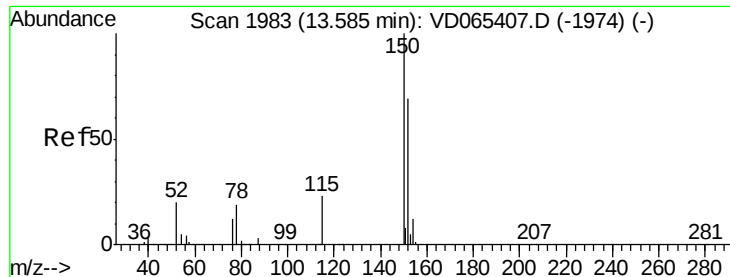


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD065460.D

Acq: 10 Mar 2020 12:55

Instrument :

MSVOA_D

ClientSampleId :

VD0310SBL01

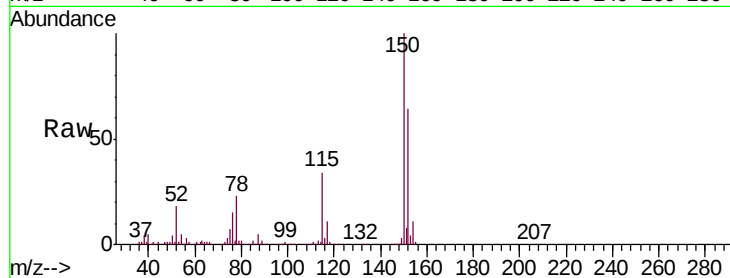
Tgt Ion:152 Resp: 272776

Ion Ratio Lower Upper

152 100

115 53.8 27.6 82.8

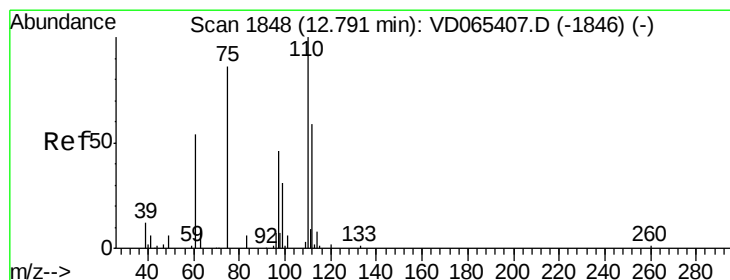
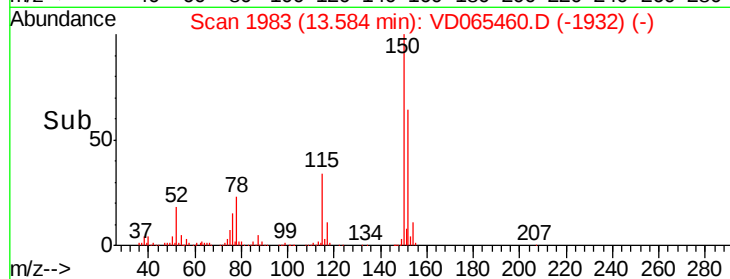
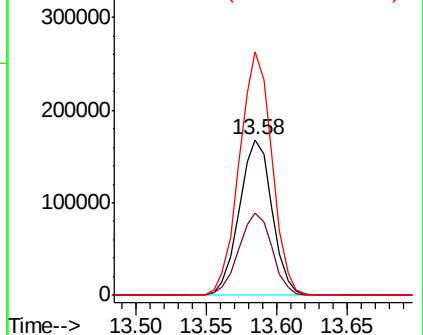
150 155.8 0.0 345.0



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: 45.801 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065460.D

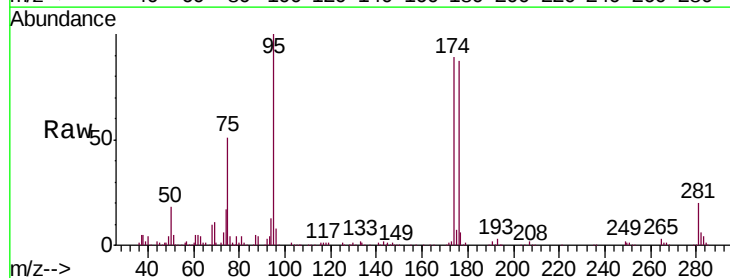
Acq: 10 Mar 2020 12:55

Tgt Ion: 75 Resp: 98583

Ion Ratio Lower Upper

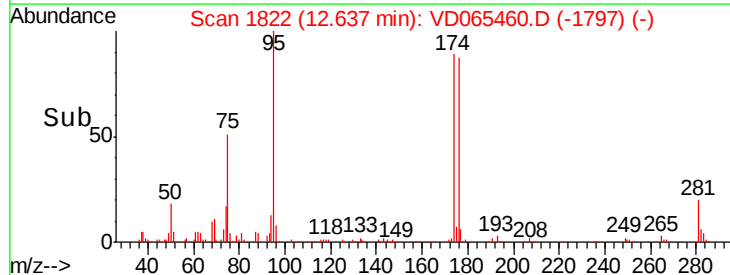
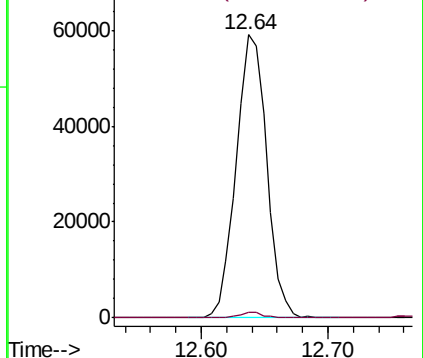
75 100

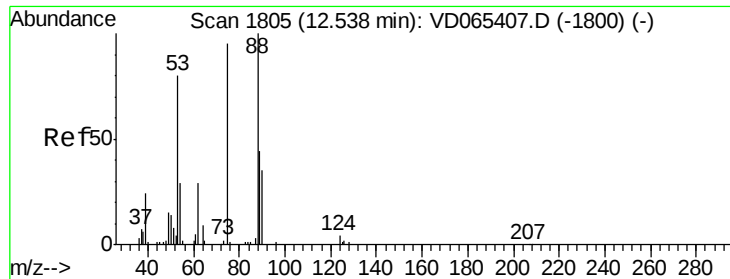
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

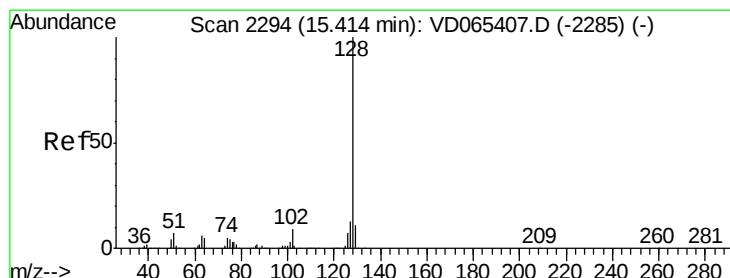
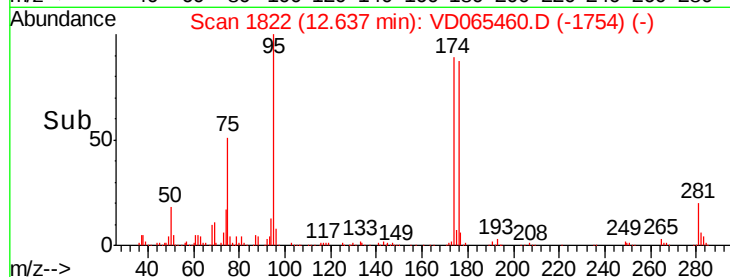
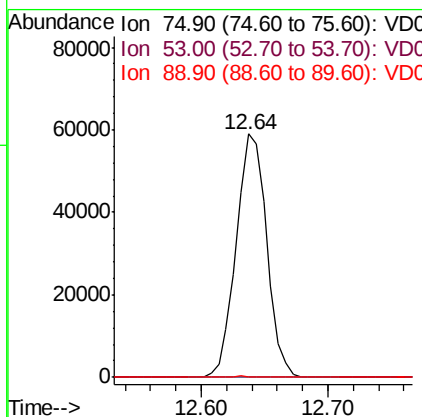
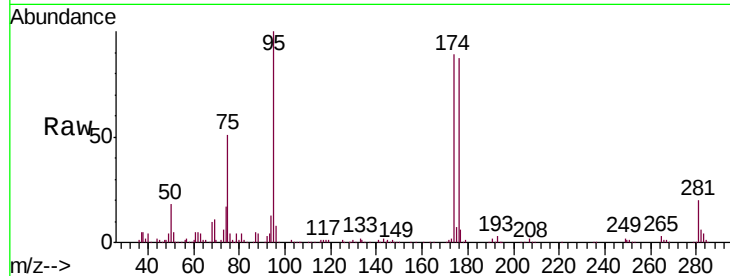




#81
trans-1,4-Dichloro-2-butene
Concen: 96.653 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.10 min
Lab File: VD065460.D
Acq: 10 Mar 2020 12:55

Instrument :
MSVOA_D
ClientSampleId :
VD0310SBL01

Tgt Ion: 75 Resp: 98583
Ion Ratio Lower Upper
75 100
53 0.2 71.3 106.9#
89 0.1 37.0 55.6#



#95
Naphthalene
Concen: 4.521 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VD065460.D
Acq: 10 Mar 2020 12:55

Tgt Ion: 128 Resp: 1101
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

