

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031220\
 Data File : VD065484.D
 Acq On : 12 Mar 2020 10:56
 Operator : VA/SY
 Sample : VD0312SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBL01

Quant Time: Mar 13 04:24:37 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	559008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	943688	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	886608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	405159	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	287028	59.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.72%	
35) Dibromofluoromethane	7.92	113	308342	52.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.68%	
50) Toluene-d8	10.34	98	1180359	52.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.44%	
62) 4-Bromofluorobenzene	12.64	95	355047	51.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.74%	

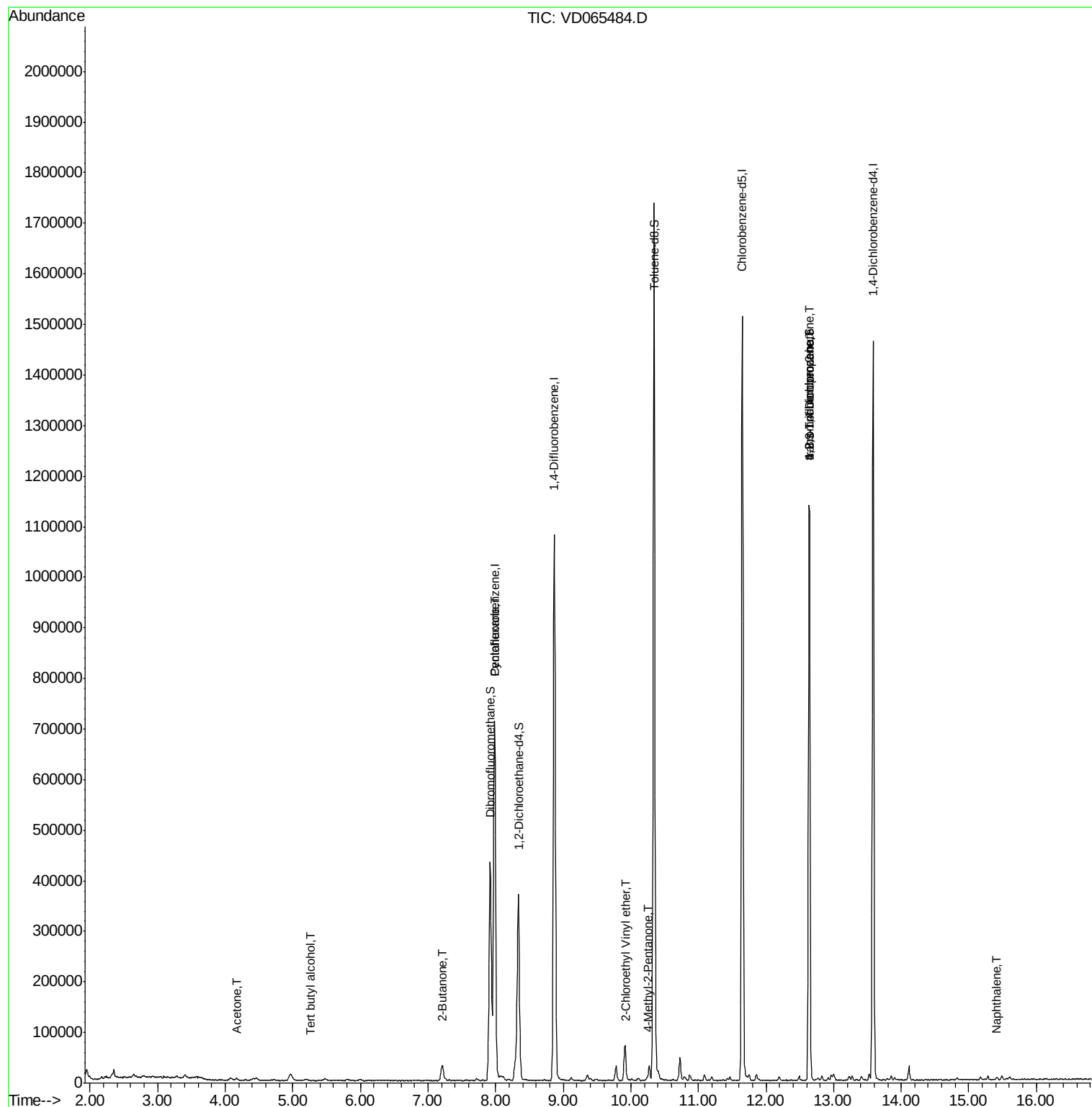
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	1899	Below Cal	#	54
11) Tert butyl alcohol	5.26	59	284	1.03	ug/l #	76
16) Acetone	4.16	43	6751	6.96	ug/l #	84
20) Methylene Chloride	4.96	84	10064	Below Cal	#	93
25) 2-Butanone	7.21	43	2135	1.61	ug/l #	47
31) Cyclohexane	7.98	56	12925	1.36	ug/l #	17
51) 4-Methyl-2-Pentanone	10.24	43	3922	1.21	ug/l #	82
58) 2-Chloroethyl Vinyl ether	9.94	63	54	2.21	ug/l #	46
76) 1,2,3-Trichloropropane	12.64	75	172629	54.00	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	172629	113.95	ug/l #	14
95) Naphthalene	15.41	128	3397	4.64	ug/l #	90

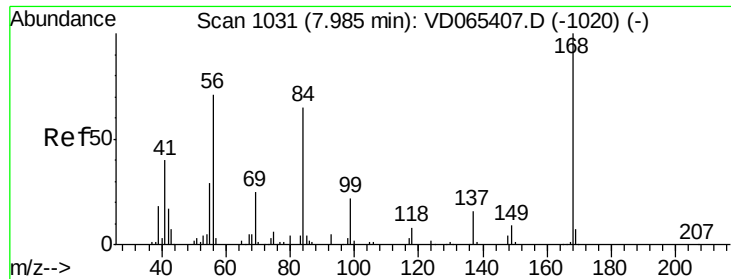
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD031220\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065484.D

Acq: 12 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

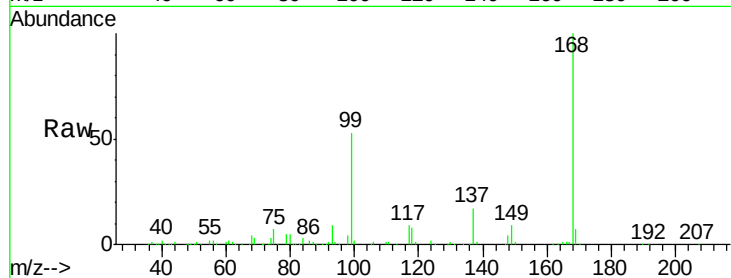
VD0312SBL01

Tgt Ion:168 Resp: 559008

Ion Ratio Lower Upper

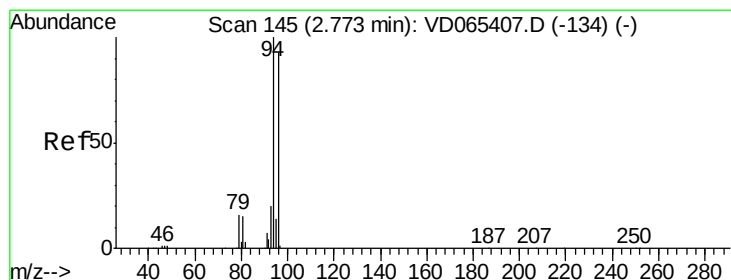
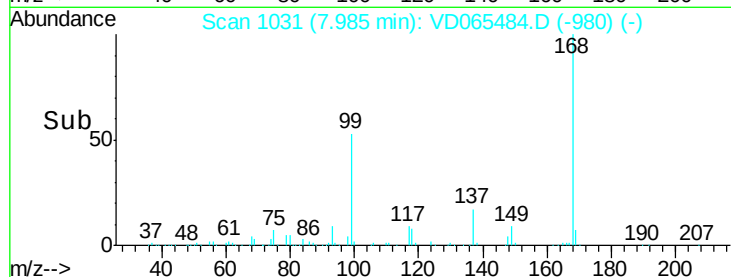
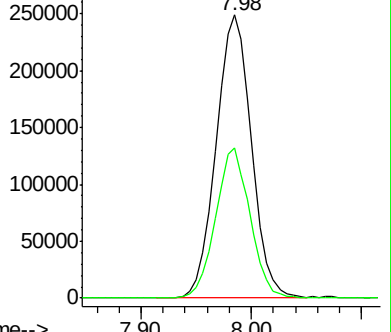
168 100

99 52.8 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# 148

Delta R.T. 0.02 min

Lab File: VD065484.D

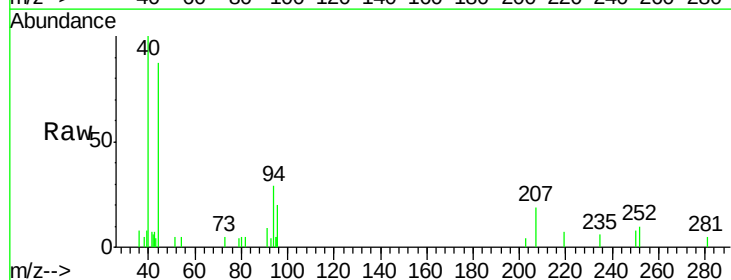
Acq: 12 Mar 2020 10:56

Tgt Ion: 94 Resp: 1899

Ion Ratio Lower Upper

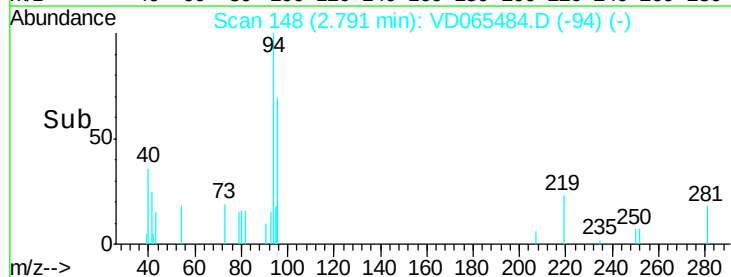
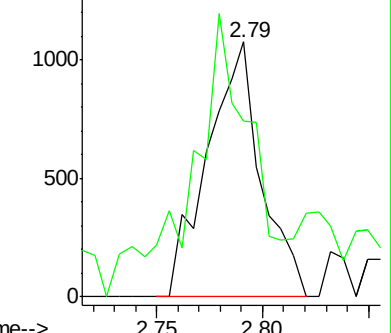
94 100

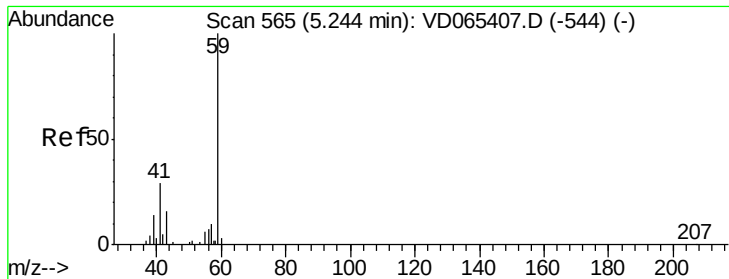
96 48.6 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

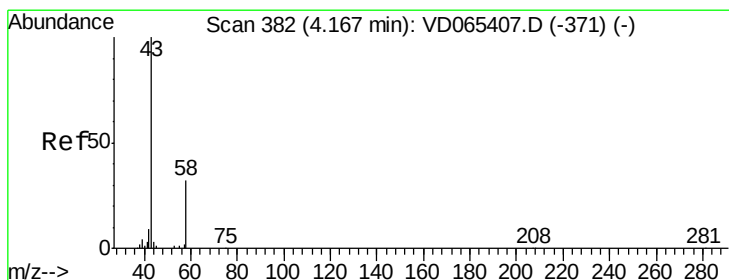
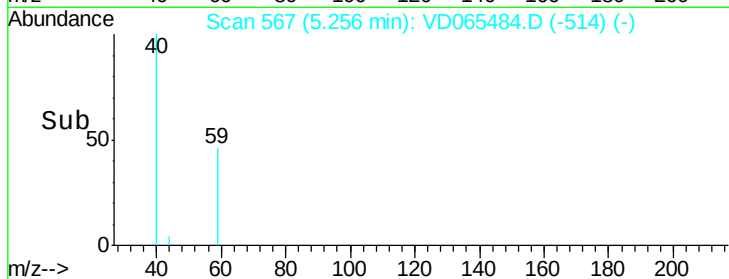
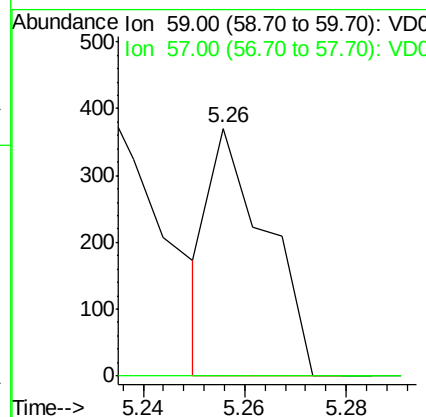
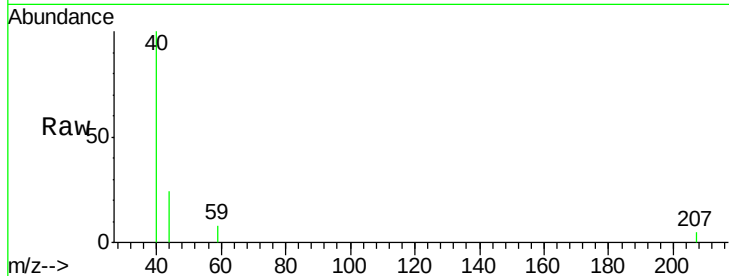




#11
Tert butyl alcohol
Concen: 1.03 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD065484.D
Acq: 12 Mar 2020 10:56

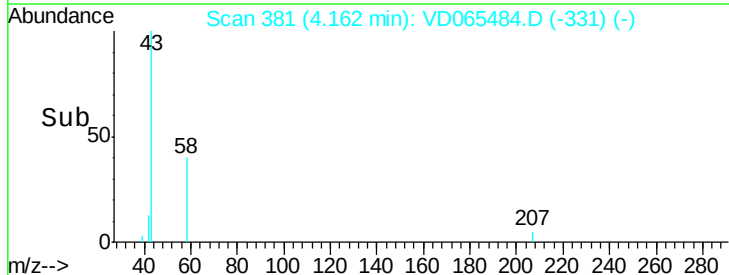
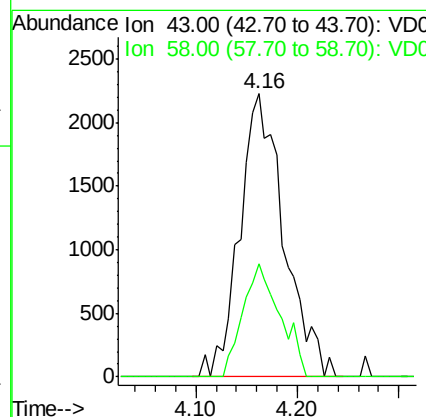
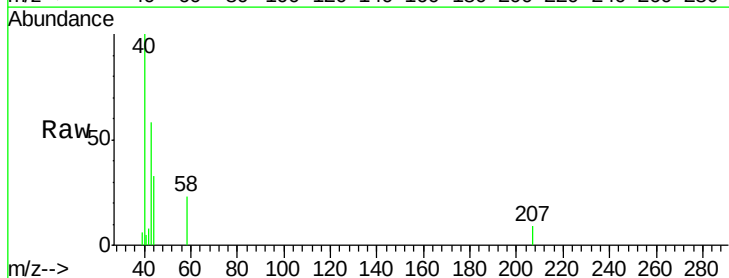
Instrument :
MSVOA_D
ClientSampleId :
VD0312SBL01

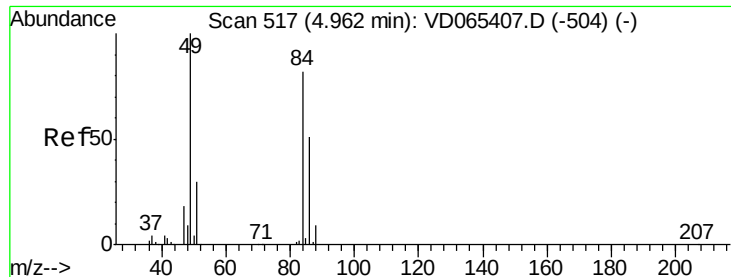
Tgt Ion: 59 Resp: 284
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#



#16
Acetone
Concen: 6.96 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD065484.D
Acq: 12 Mar 2020 10:56

Tgt Ion: 43 Resp: 6751
Ion Ratio Lower Upper
43 100
58 40.1 25.1 37.7#

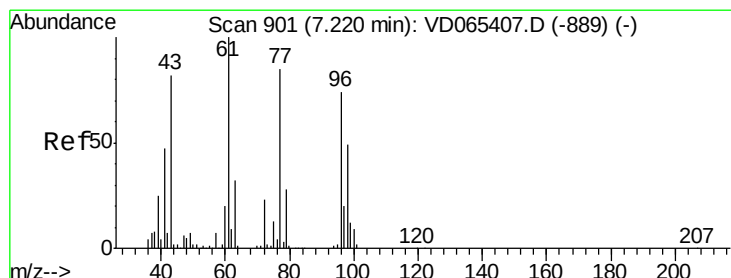
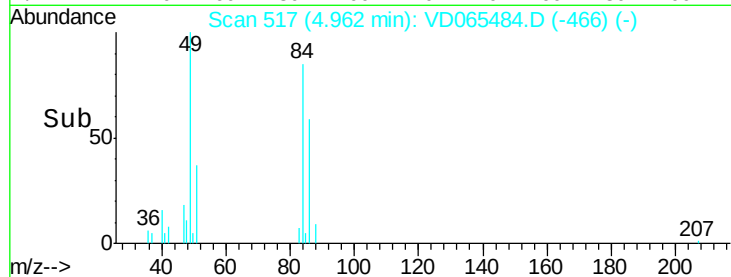
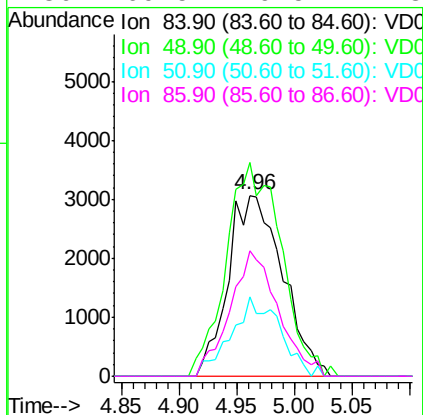
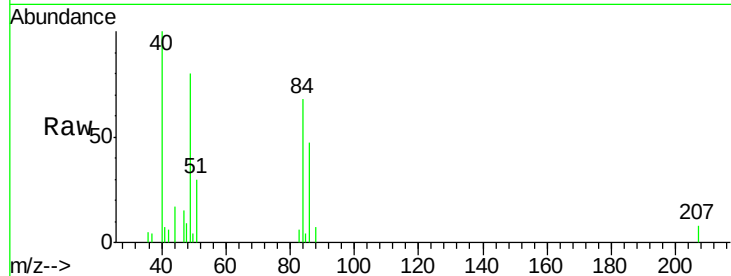




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065484.D
Acq: 12 Mar 2020 10:56

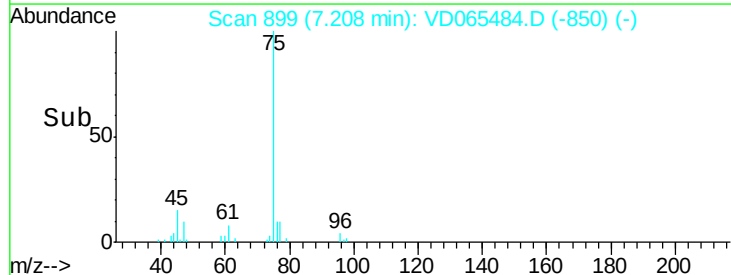
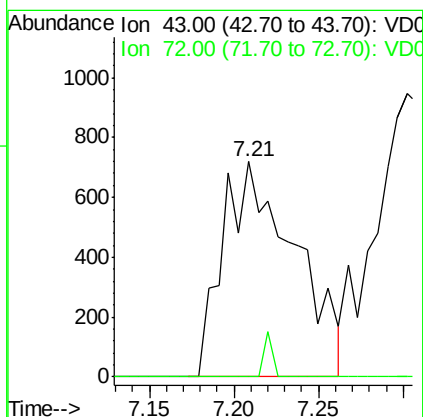
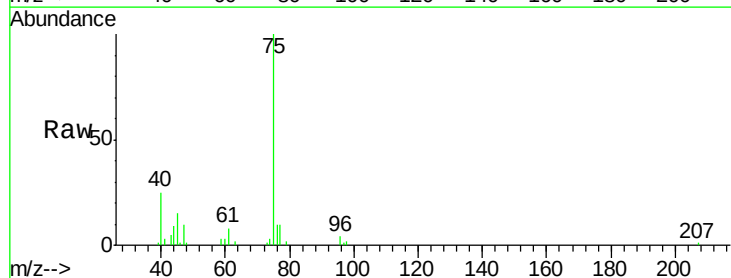
Instrument :
MSVOA_D
ClientSampleId :
VD0312SBL01

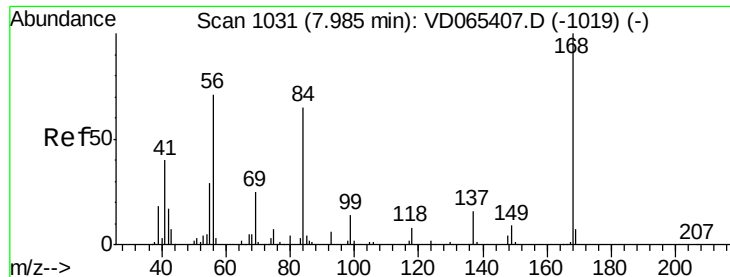
Tgt Ion: 84 Resp: 10064
Ion Ratio Lower Upper
84 100
49 118.1 97.7 146.5
51 43.7 28.8 43.2#
86 69.5 49.5 74.3



#25
2-Butanone
Concen: 1.61 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065484.D
Acq: 12 Mar 2020 10:56

Tgt Ion: 43 Resp: 2135
Ion Ratio Lower Upper
43 100
72 0.0 22.3 33.5#

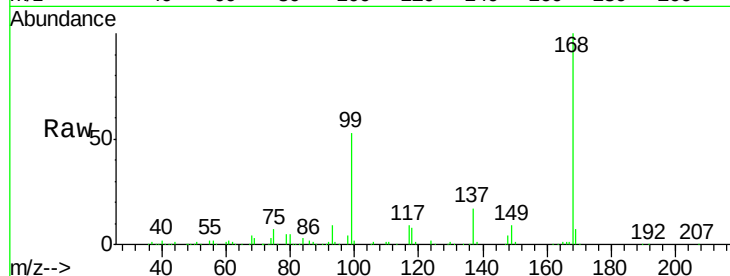




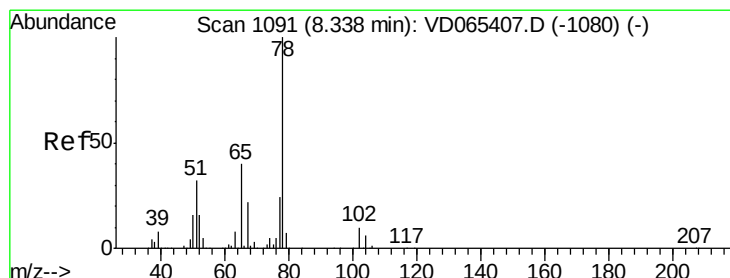
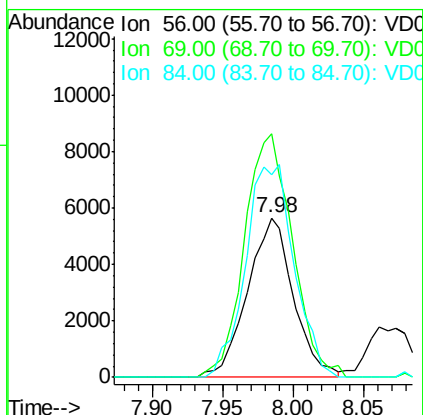
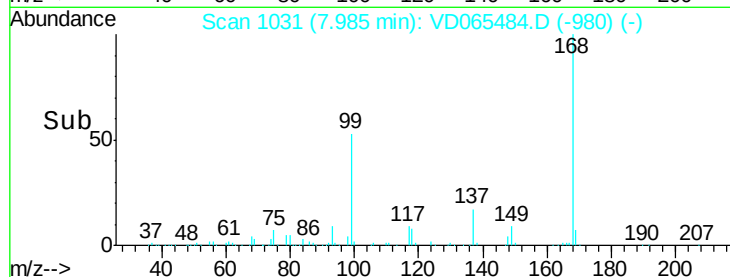
#31
Cyclohexane
Concen: 1.36 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065484.D
Acq: 12 Mar 2020 10:56

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBL01

Tgt Ion: 56 Resp: 12925
Ion Ratio Lower Upper
56 100
69 152.8 28.3 42.5#
84 126.8 73.1 109.7#

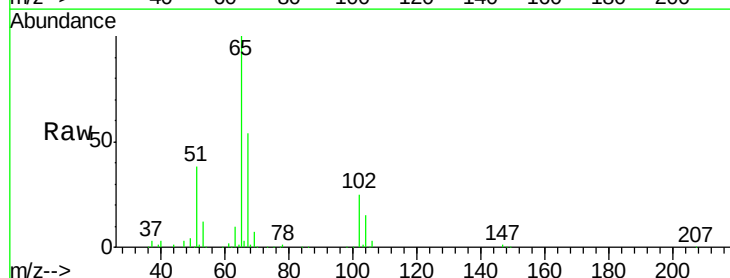


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

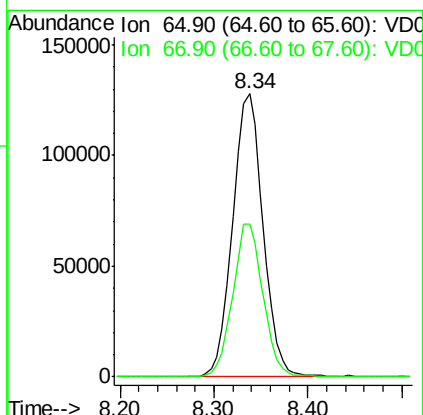
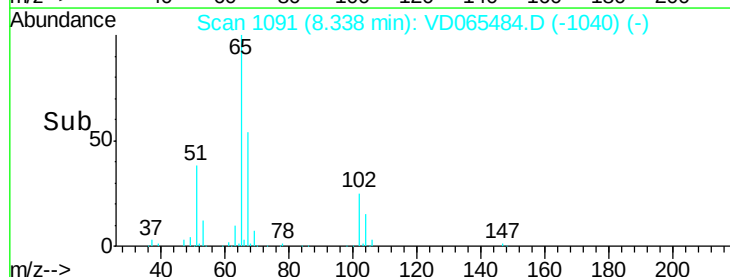


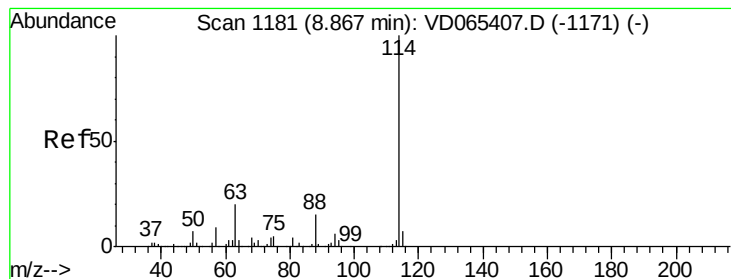
#33
1,2-Dichloroethane-d4
Concen: 59.86 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD065484.D
Acq: 12 Mar 2020 10:56

Tgt Ion: 65 Resp: 287028
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: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065484.D

Acq: 12 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBL01

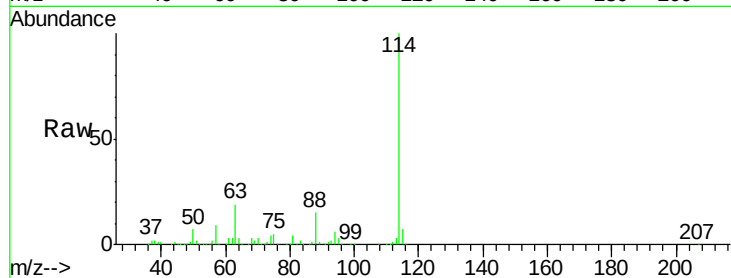
Tgt Ion:114 Resp: 943688

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

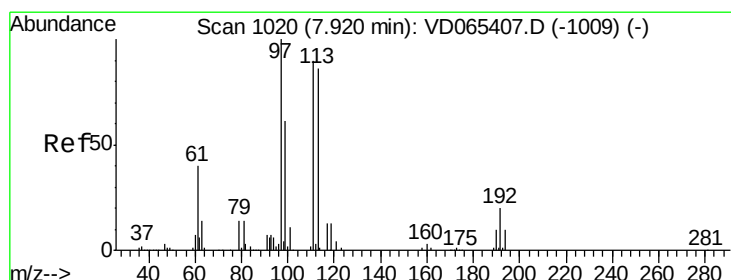
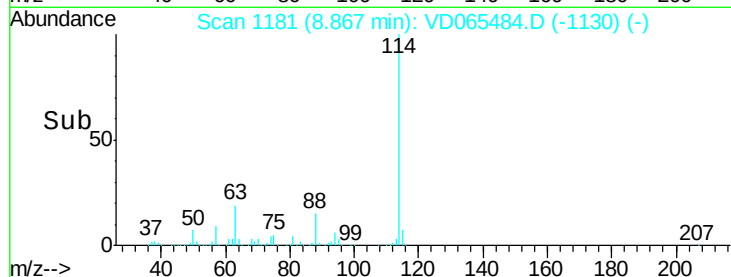
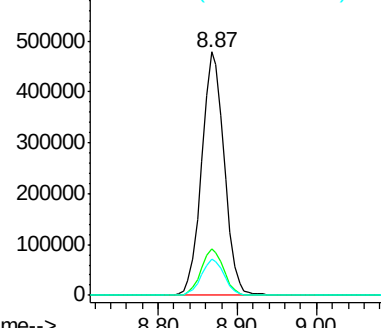
88 15.0 0.0 30.4



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



#35

Dibromofluoromethane

Concen: 52.84 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065484.D

Acq: 12 Mar 2020 10:56

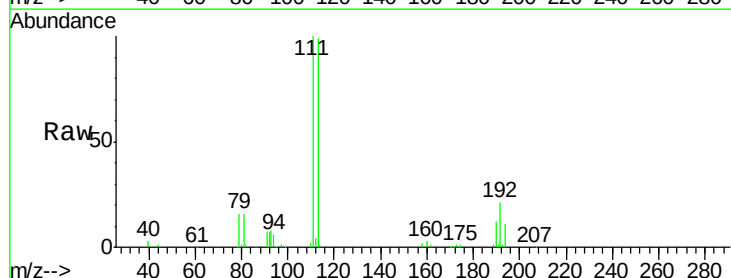
Tgt Ion:113 Resp: 308342

Ion Ratio Lower Upper

113 100

111 102.2 82.1 123.1

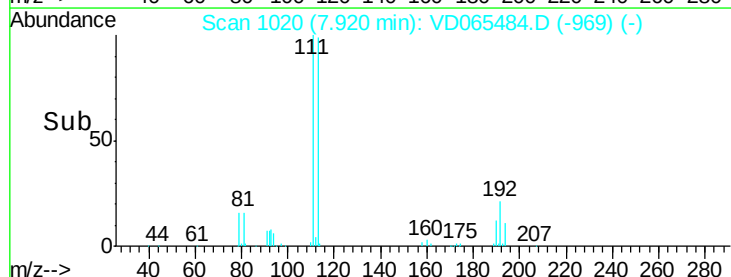
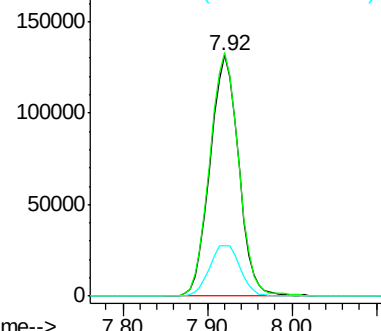
192 22.5 17.2 25.8

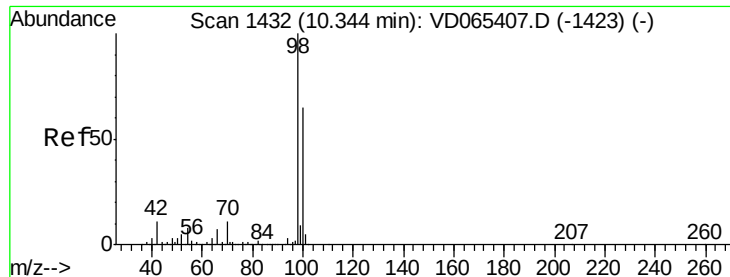


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 52.72 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065484.D

Acq: 12 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

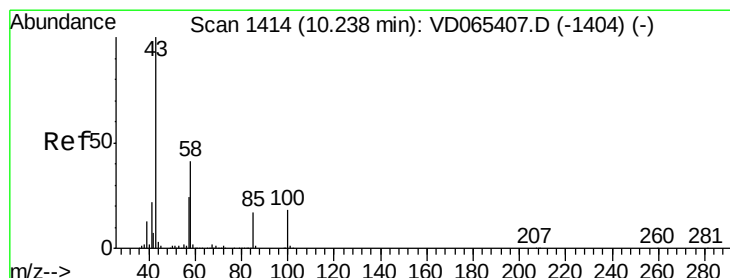
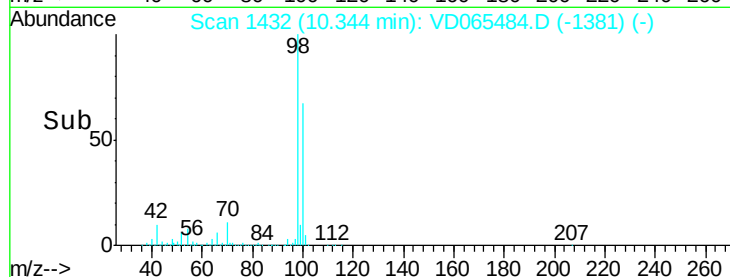
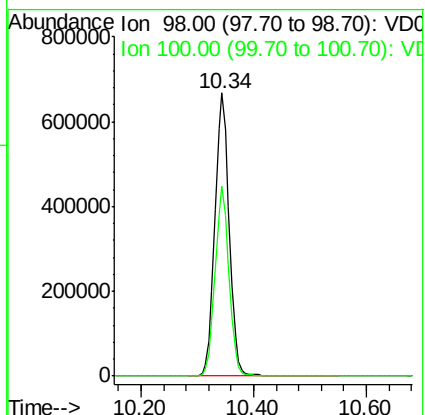
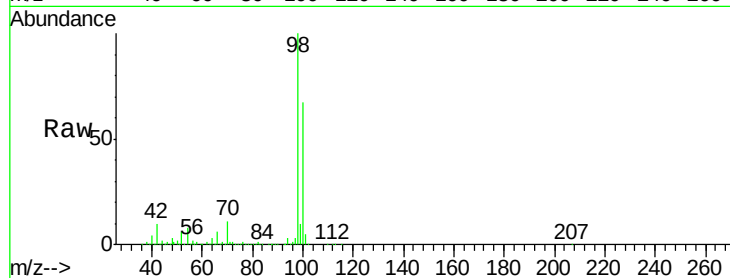
VD0312SBL01

Tgt Ion: 98 Resp: 1180359

Ion Ratio Lower Upper

98 100

100 65.3 52.8 79.2



#51

4-Methyl-2-Pentanone

Concen: 1.21 ug/l

RT: 10.24 min Scan# 1415

Delta R.T. 0.01 min

Lab File: VD065484.D

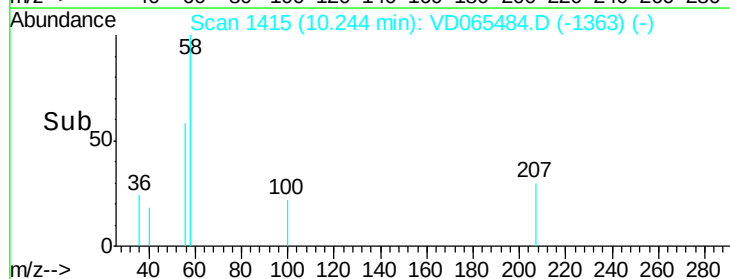
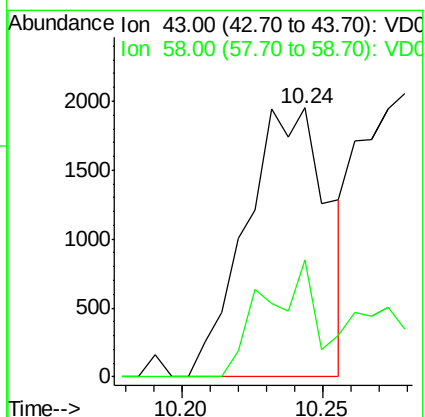
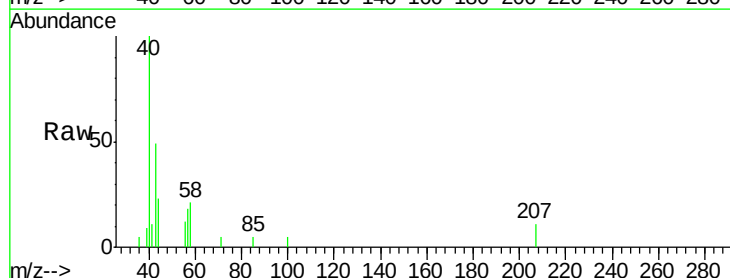
Acq: 12 Mar 2020 10:56

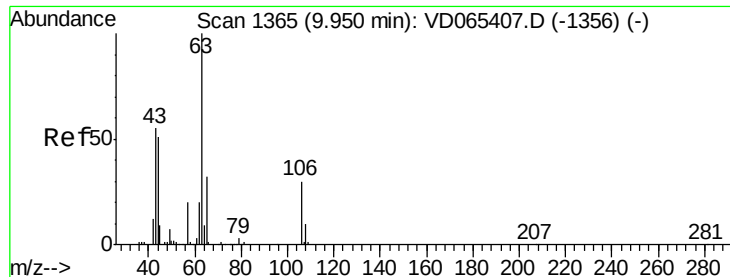
Tgt Ion: 43 Resp: 3922

Ion Ratio Lower Upper

43 100

58 28.7 31.8 47.6#





#58

2-Chloroethyl Vinyl ether

Concen: 2.21 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VD065484.D

Acq: 12 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

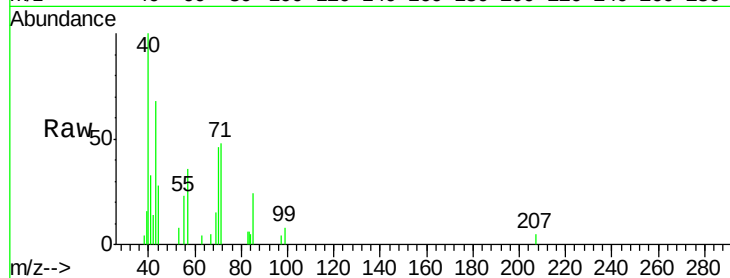
VD0312SBL01

Tgt Ion: 63 Resp: 54

Ion Ratio Lower Upper

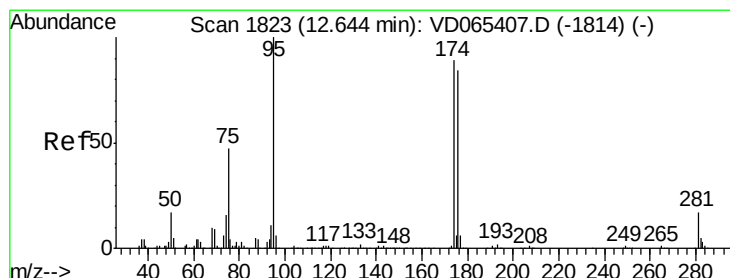
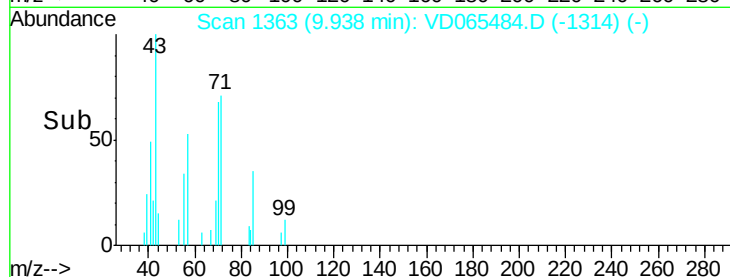
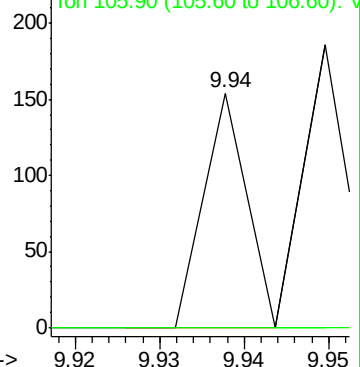
63 100

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: 51.37 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065484.D

Acq: 12 Mar 2020 10:56

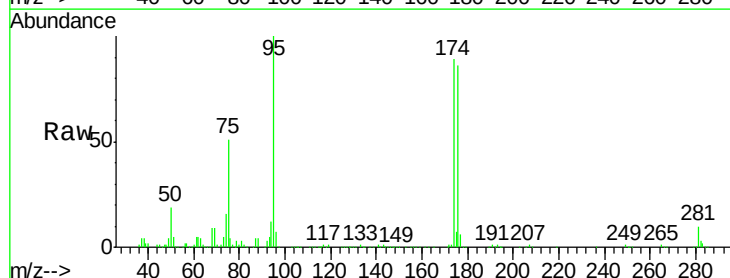
Tgt Ion: 95 Resp: 355047

Ion Ratio Lower Upper

95 100

174 91.4 0.0 176.8

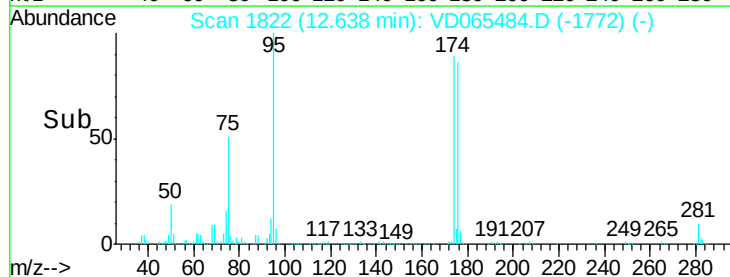
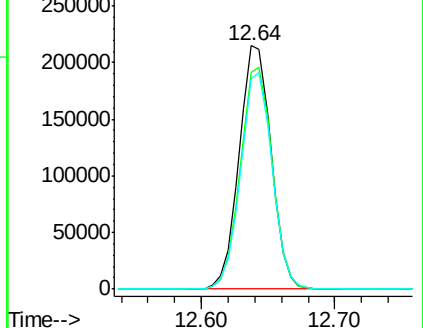
176 88.0 0.0 171.4

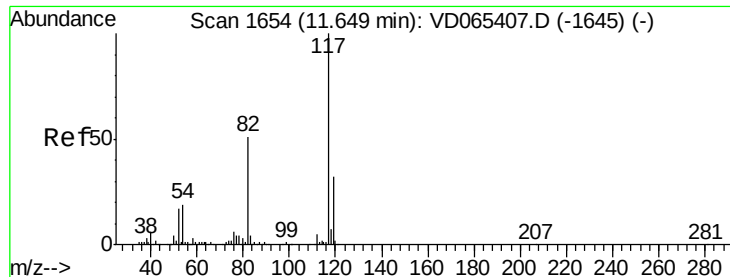


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

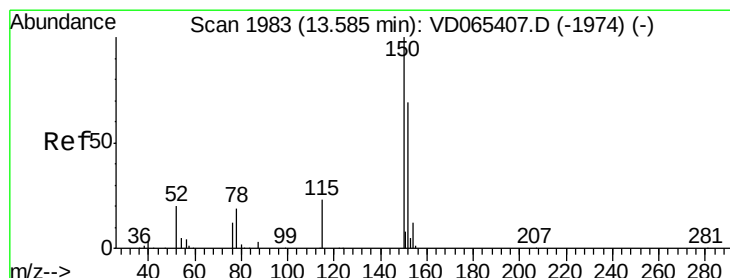
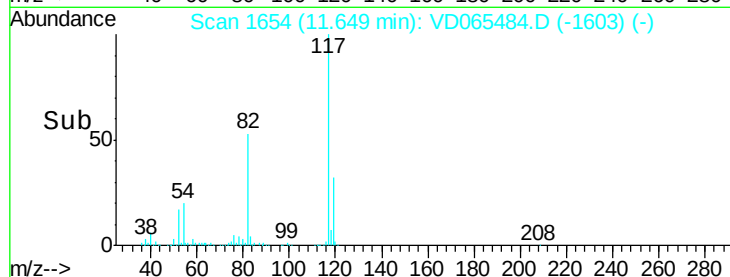
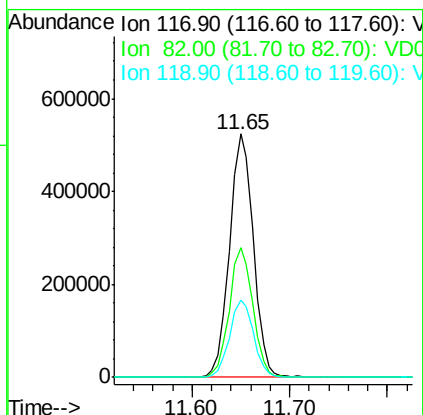
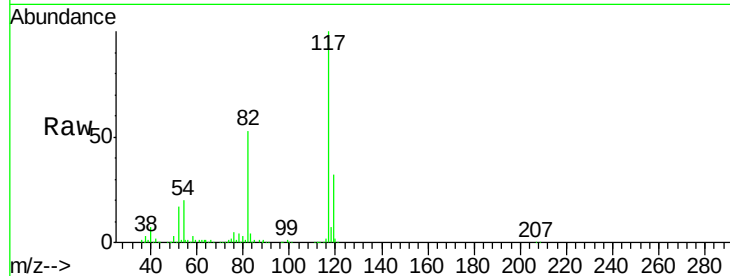




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065484.D
Acq: 12 Mar 2020 10:56

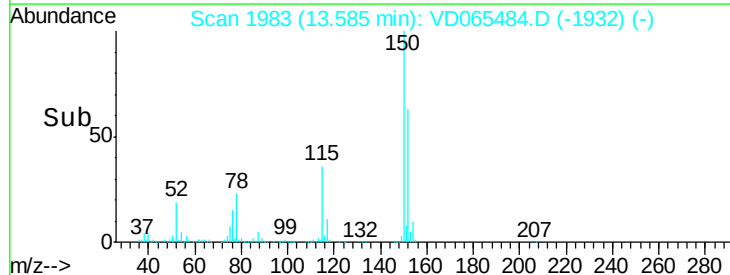
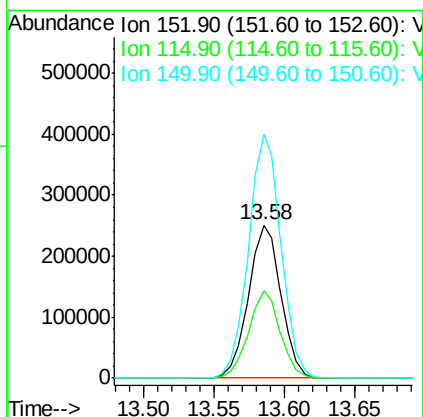
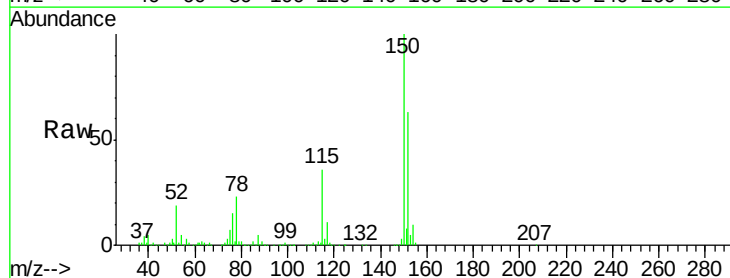
Instrument :
MSVOA_D
ClientSampleId :
VD0312SBL01

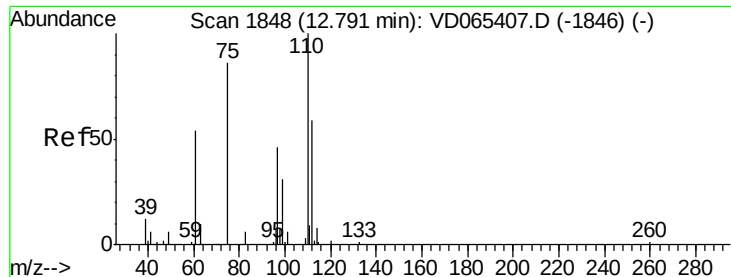
Tgt Ion:117 Resp: 886608
Ion Ratio Lower Upper
117 100
82 53.0 40.6 60.8
119 31.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065484.D
Acq: 12 Mar 2020 10:56

Tgt Ion:152 Resp: 405159
Ion Ratio Lower Upper
152 100
115 55.5 27.6 82.8
150 159.3 0.0 345.0

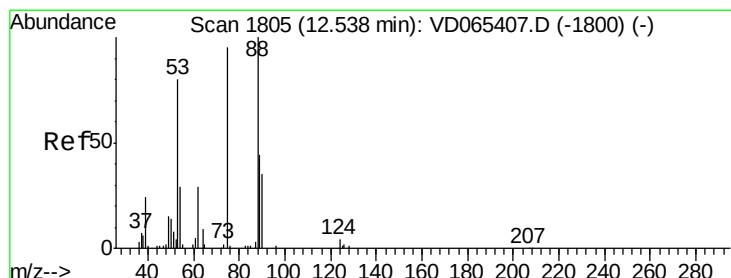
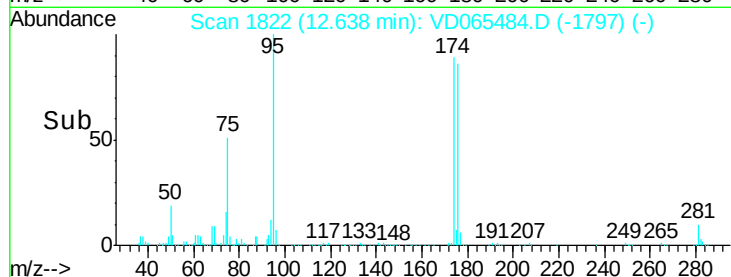
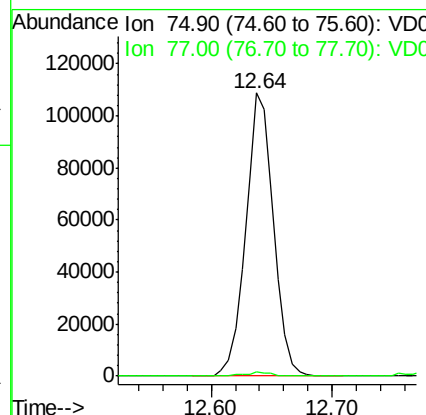
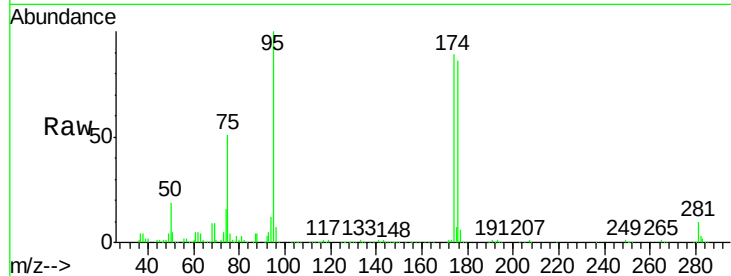




#76
 1,2,3-Trichloropropane
 Concen: 54.00 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD065484.D
 Acq: 12 Mar 2020 10:56

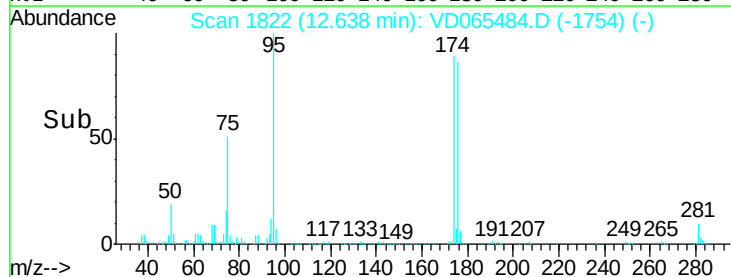
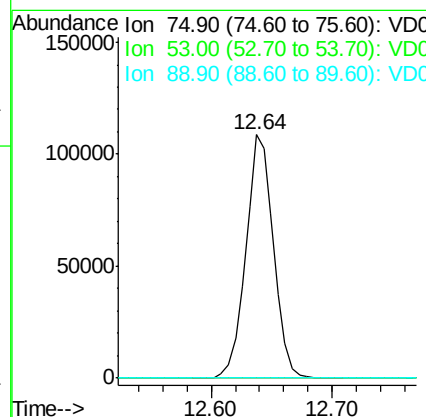
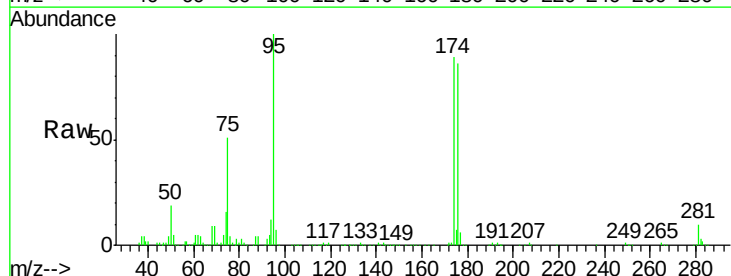
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBL01

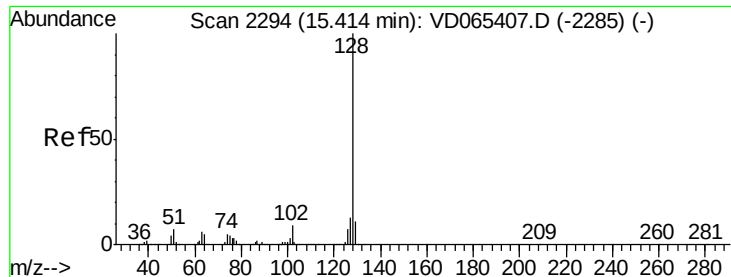
Tgt Ion: 75 Resp: 172629
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.95 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.10 min
 Lab File: VD065484.D
 Acq: 12 Mar 2020 10:56

Tgt Ion: 75 Resp: 172629
 Ion Ratio Lower Upper
 75 100
 53 0.2 71.3 106.9#
 89 0.0 37.0 55.6#





#95

Naphthalene

Concen: 4.64 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD065484.D

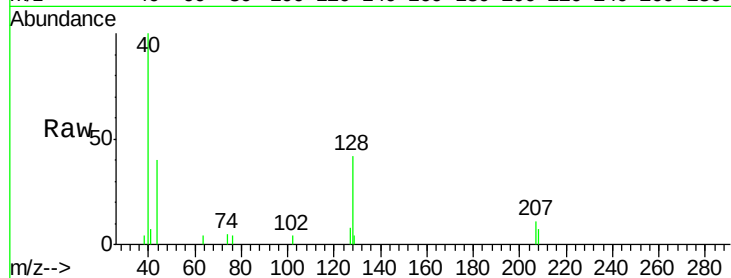
Acq: 12 Mar 2020 10:56

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBL01



Tgt Ion:	128	Resp:	3397
Ion	Ratio	Lower	Upper
128	100		
127	6.4	10.6	16.0#
129	10.5	8.7	13.1

