

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021020\
 Data File : VD065125.D
 Acq On : 10 Feb 2020 11:19
 Operator : VA/SY
 Sample : VD0210SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 11 08:04:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	548380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	849448	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	880590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	435774	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	245169	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	
35) Dibromofluoromethane	7.91	113	261487	55.17	ug/l	0.00
Spiked Amount			Recovery	=	110.34%	
50) Toluene-d8	10.34	98	1028829	54.54	ug/l	0.00
Spiked Amount			Recovery	=	109.08%	
62) 4-Bromofluorobenzene	12.64	95	391934	65.57	ug/l	0.00
Spiked Amount			Recovery	=	131.14%	

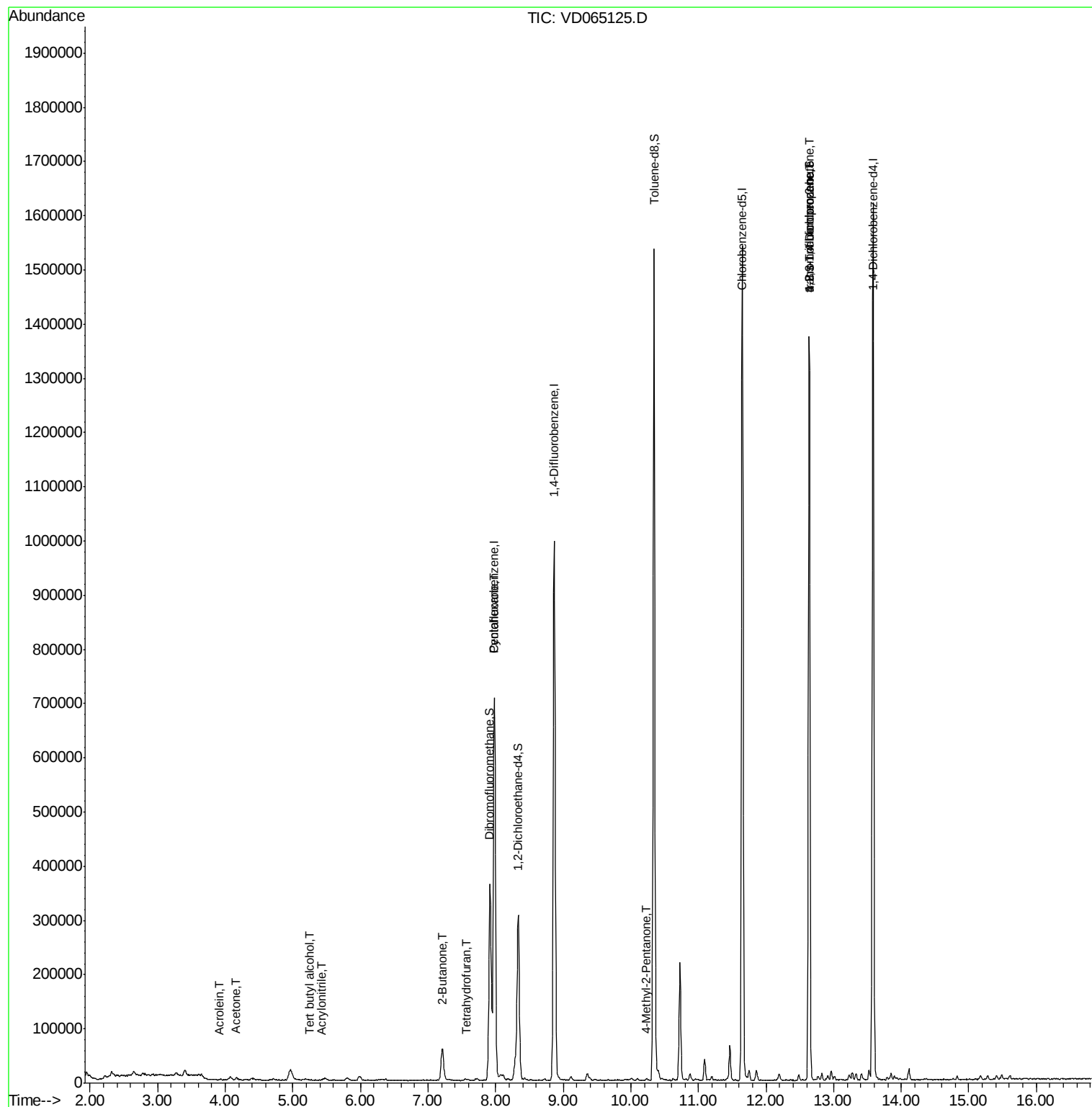
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	1198	4.207	ug/l #	71
13) Acrolein	3.91	56	546	1.559	ug/l #	29
15) Acrylonitrile	5.43	53	1192	1.149	ug/l #	74
16) Acetone	4.17	43	7015	6.020	ug/l	93
20) Methylene Chloride	4.96	84	14191	Below Cal		88
25) 2-Butanone	7.22	43	5720	4.115	ug/l #	75
29) Tetrahydrofuran	7.57	42	1653	1.966	ug/l #	77
31) Cyclohexane	7.98	56	14160	1.527	ug/l #	25
51) 4-Methyl-2-Pentanone	10.24	43	3153	1.038	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.94	63	337	Below Cal	#	46
76) 1,2,3-Trichloropropane	12.64	75	201370	61.035	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	201370	122.065	ug/l #	10

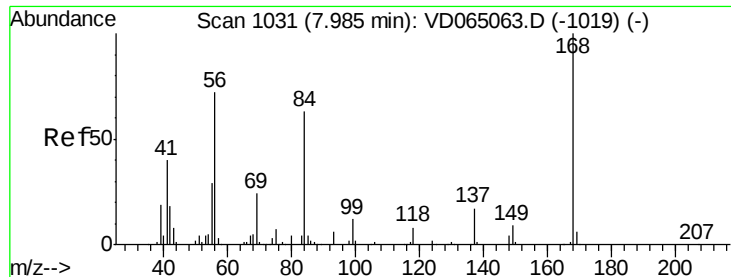
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021020\
Data File : VD065125.D
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Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Feb 11 08:04:47 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

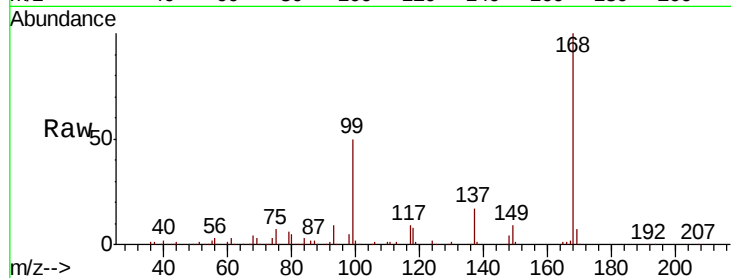




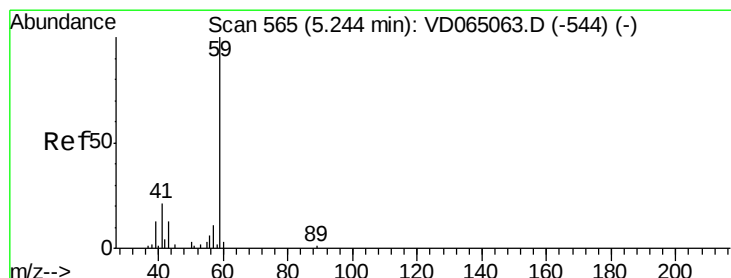
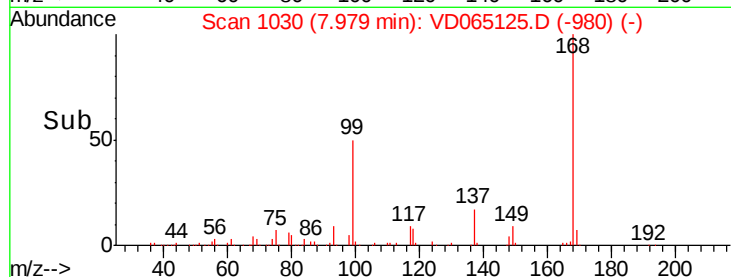
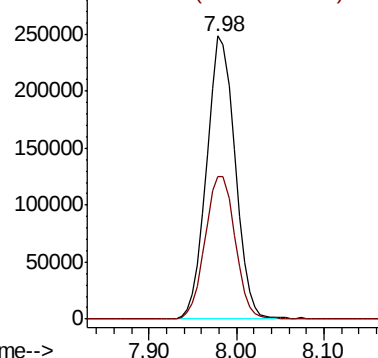
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065125.D
Acq: 10 Feb 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 548380
Ion Ratio Lower Upper
168 100
99 50.1 41.0 61.6

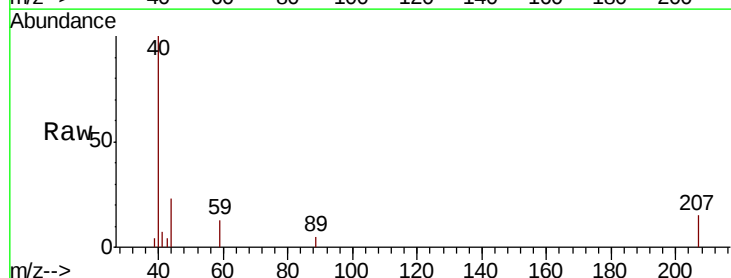


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC

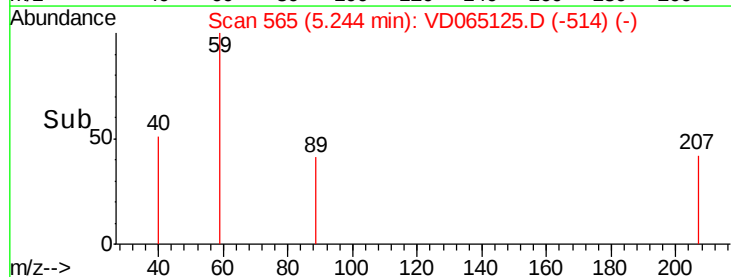
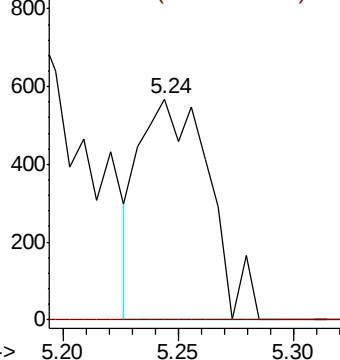


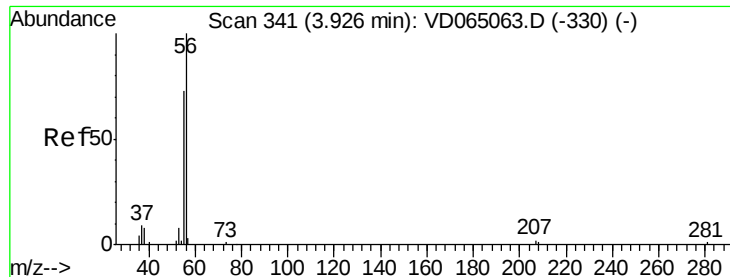
#11
Tert butyl alcohol
Concen: 4.207 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD065125.D
Acq: 10 Feb 2020 11:19

Tgt Ion: 59 Resp: 1198
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC
Ion 57.00 (56.70 to 57.70): VDC

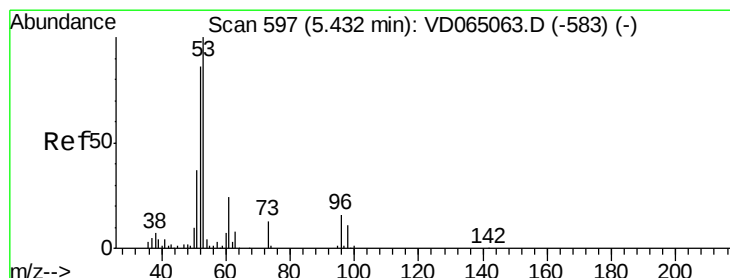
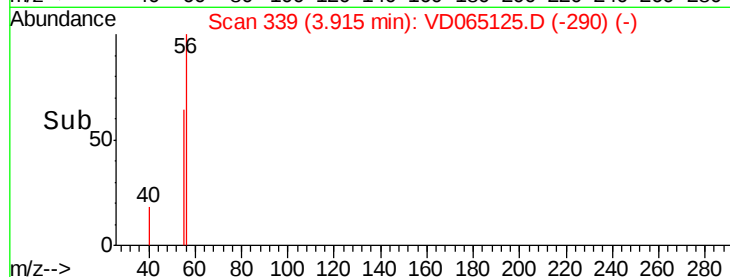
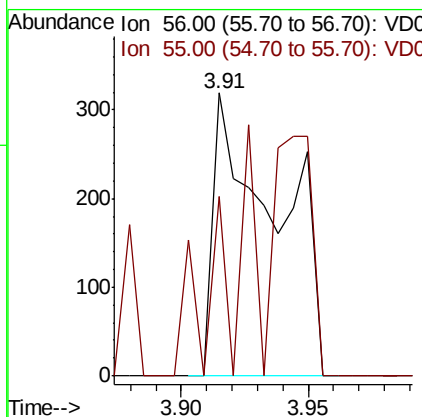
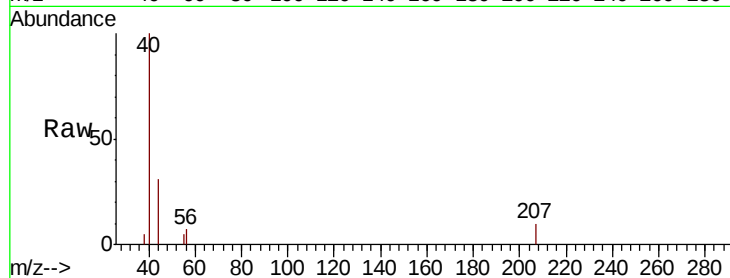




#13
Acrolein
Concen: 1.559 ug/l
RT: 3.91 min Scan# 339
Delta R.T. -0.01 min
Lab File: VD065125.D
Acq: 10 Feb 2020 11:19

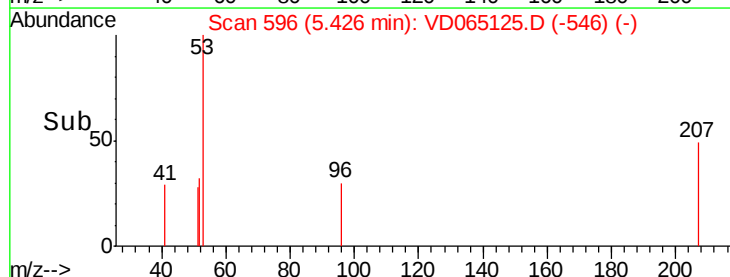
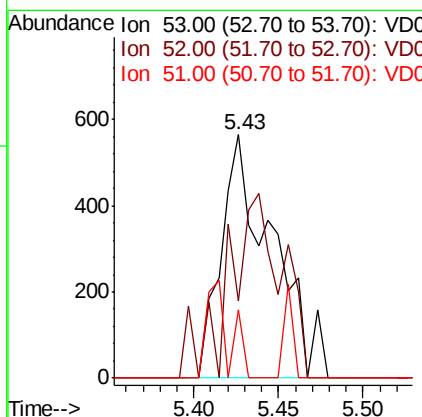
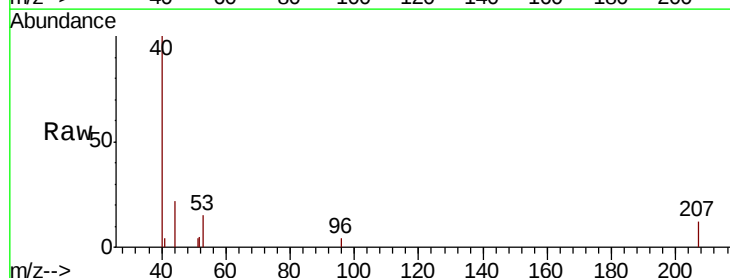
Instrument :
MSVOA_D
ClientSampled :

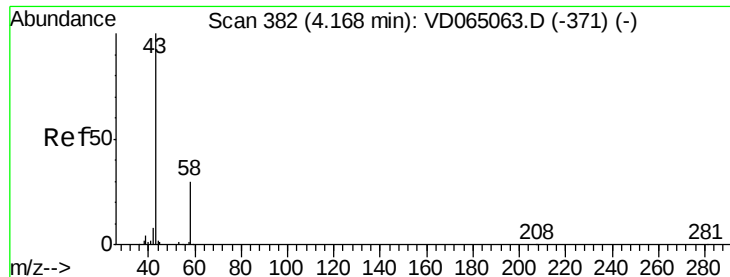
Tot Ion: 56 Resp: 546
Ion Ratio Lower Upper
56 100
55 13.2 58.2 87.2#



#15
Acrylonitrile
Concen: 1.149 ug/l
RT: 5.43 min Scan# 596
Delta R.T. -0.01 min
Lab File: VD065125.D
Acq: 10 Feb 2020 11:19

Tgt Ion: 53 Resp: 1192
Ion Ratio Lower Upper
53 100
52 74.9 66.2 99.2
51 0.0 30.4 45.6#





#16

Acetone

Concen: 6.020 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065125.D

Acq: 10 Feb 2020 11:19

Instrument :

MSVOA_D

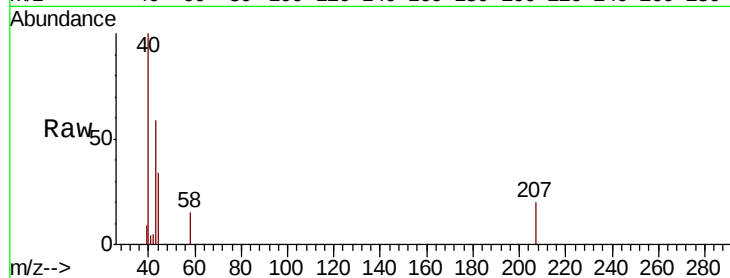
ClientSampleId :

Tot Ion: 43 Resp: 7015

Ion Ratio Lower Upper

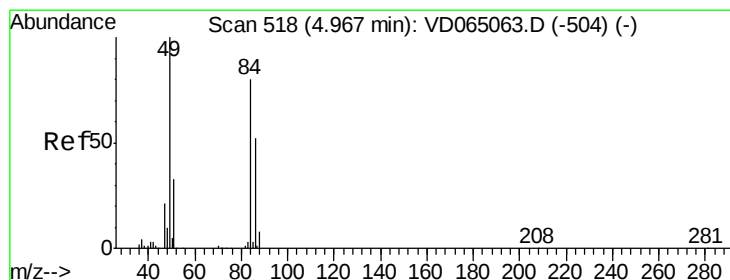
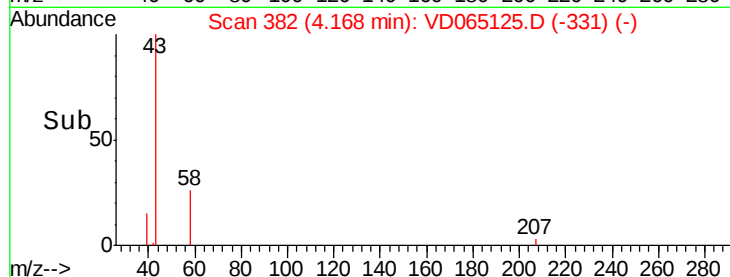
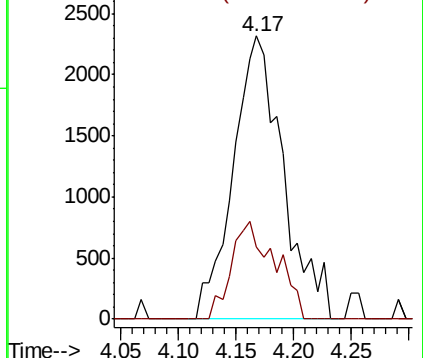
43 100

58 25.6 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065125.D

Acq: 10 Feb 2020 11:19

Tgt Ion: 84 Resp: 14191

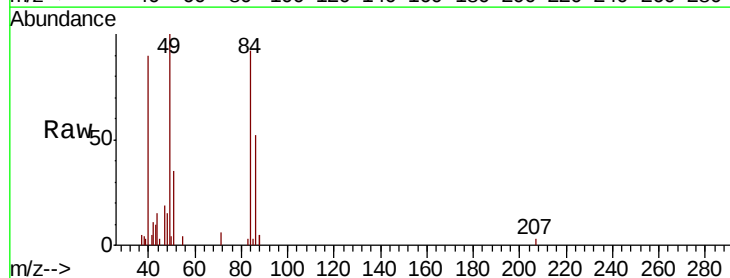
Ion Ratio Lower Upper

84 100

49 108.7 100.4 150.6

51 38.6 32.7 49.1

86 56.2 52.4 78.6

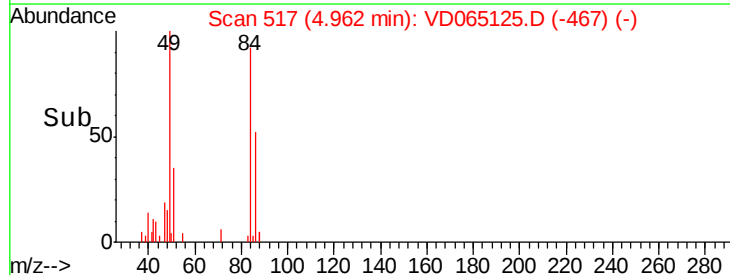
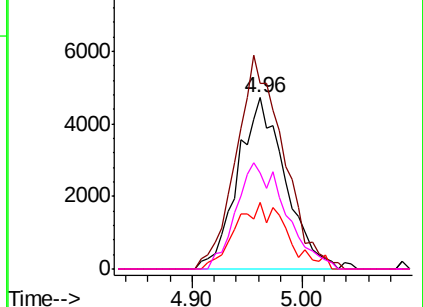


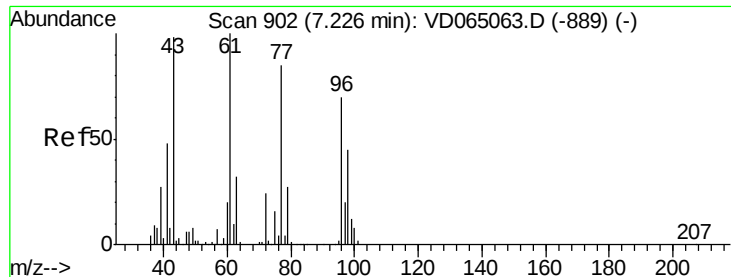
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 4.115 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065125.D

Acq: 10 Feb 2020 11:19

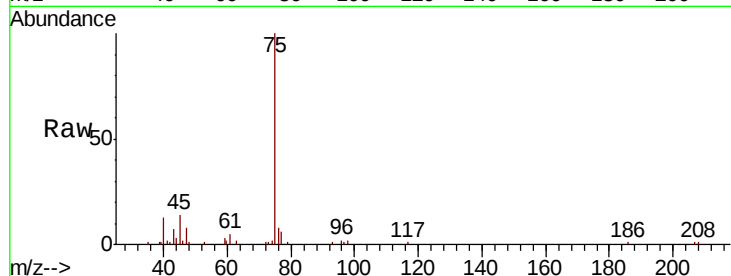
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 5720

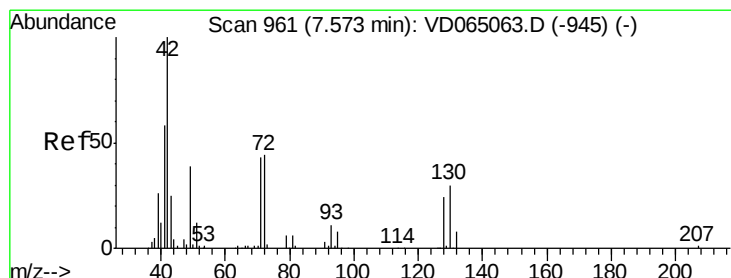
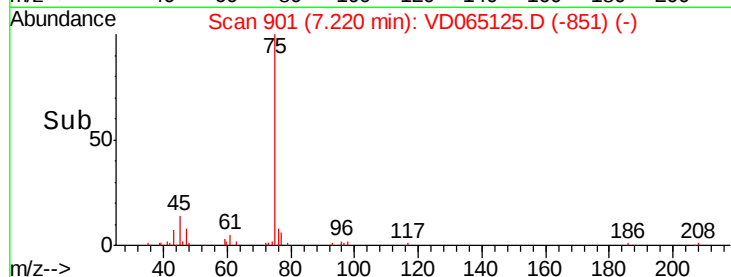
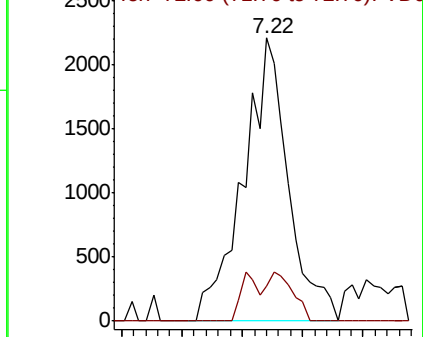
Ion Ratio Lower Upper

43 100

72 12.6 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.966 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065125.D

Acq: 10 Feb 2020 11:19

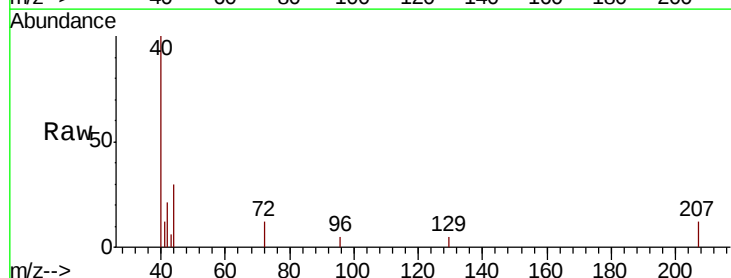
Tgt Ion: 42 Resp: 1653

Ion Ratio Lower Upper

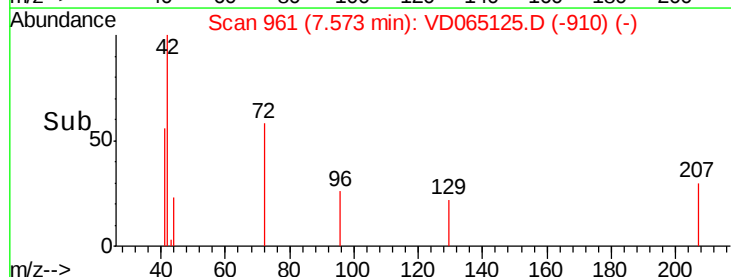
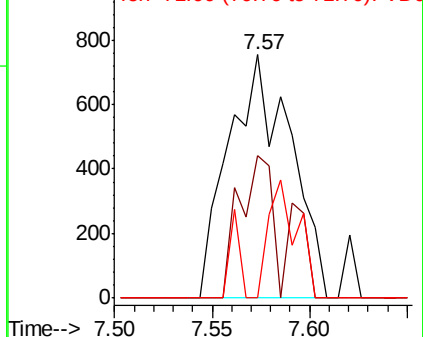
42 100

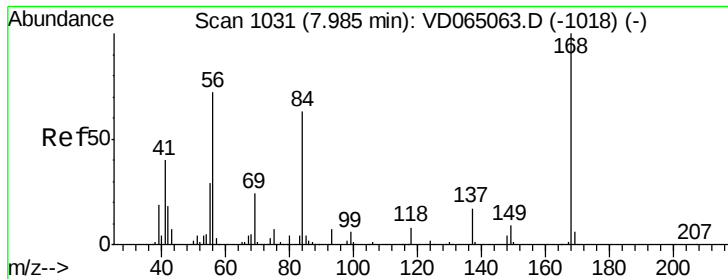
72 30.9 34.2 51.4#

71 22.4 31.8 47.6#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

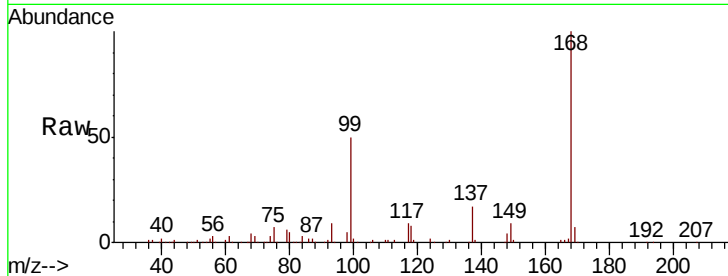




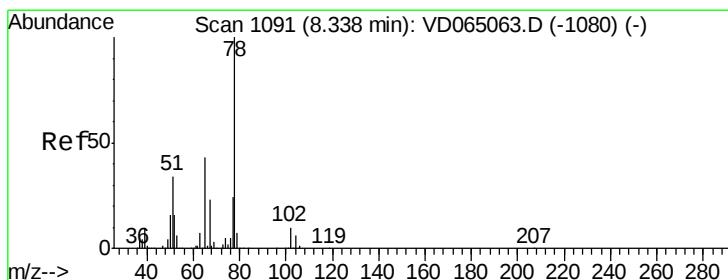
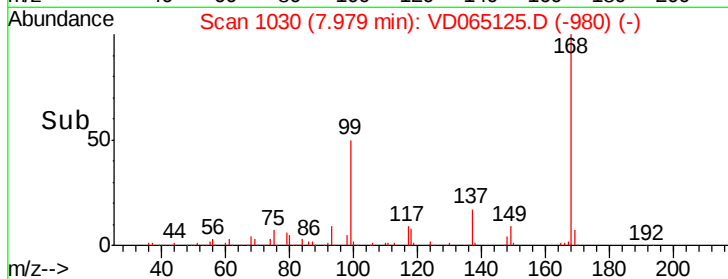
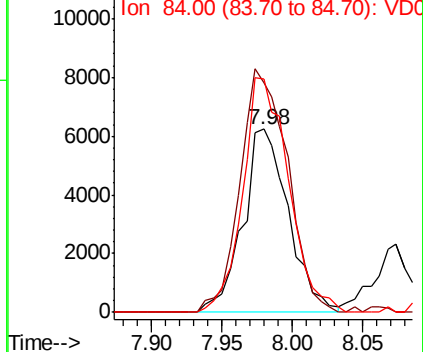
#31
Cyclohexane
Concen: 1.527 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065125.D
Acq: 10 Feb 2020 11:19

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 14160
Ion Ratio Lower Upper
56 100
69 125.6 26.6 40.0#
84 127.4 70.6 106.0#

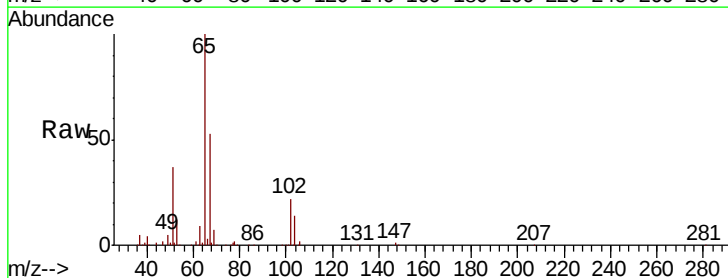


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

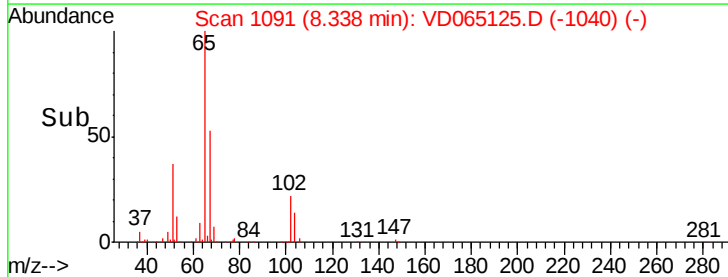
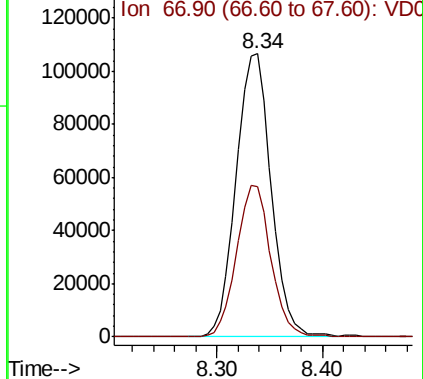


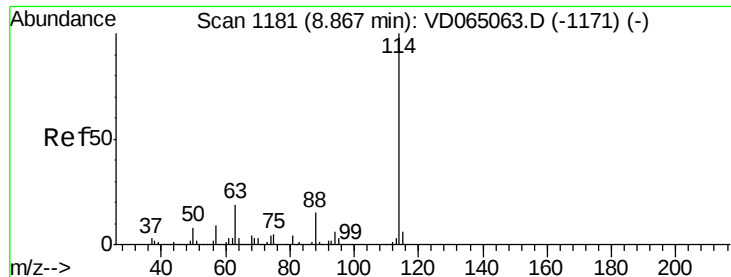
#33
1,2-Dichloroethane-d4
Concen: 52.603 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD065125.D
Acq: 10 Feb 2020 11:19

Tgt Ion: 65 Resp: 245169
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.8



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

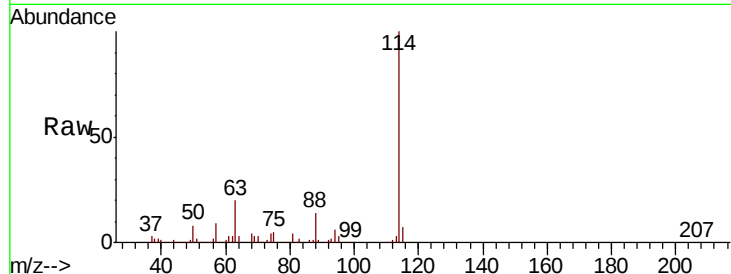




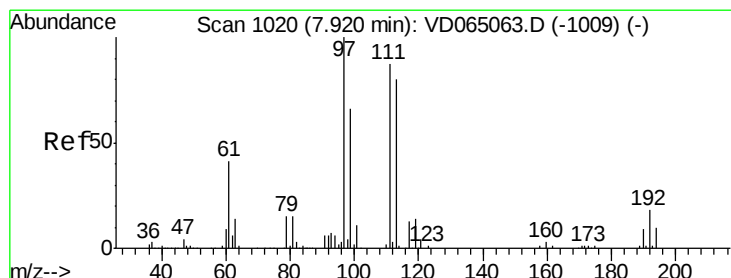
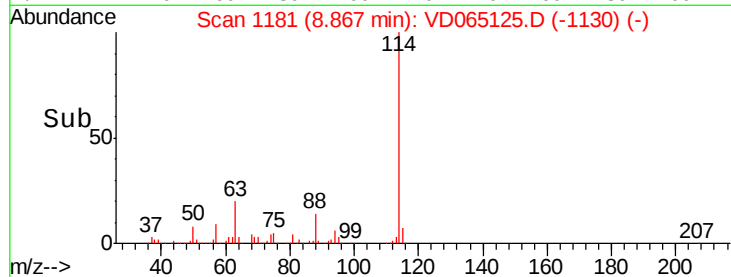
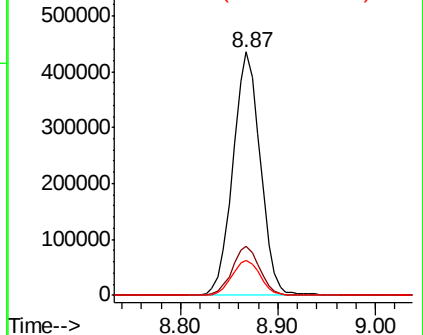
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065125.D
 Acq: 10 Feb 2020 11:19

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	38.8
88	14.3	0.0	29.6

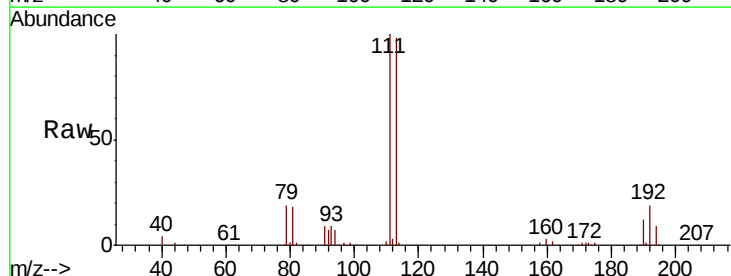


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

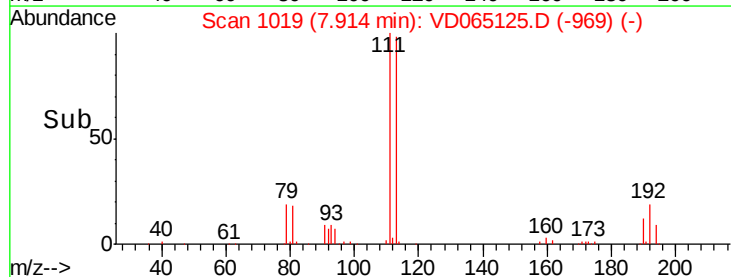
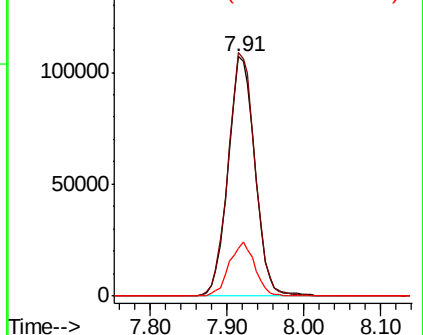


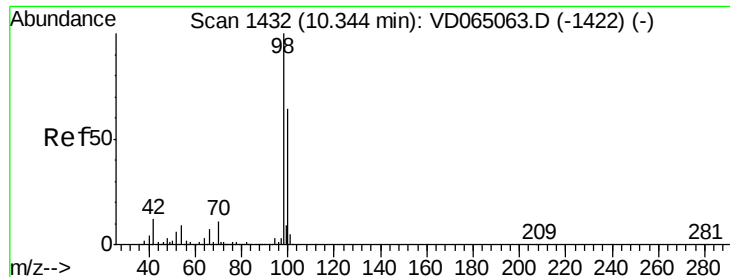
#35
 Dibromofluoromethane
 Concen: 55.173 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065125.D
 Acq: 10 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	83.1	124.7
192	21.4	18.1	27.1



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

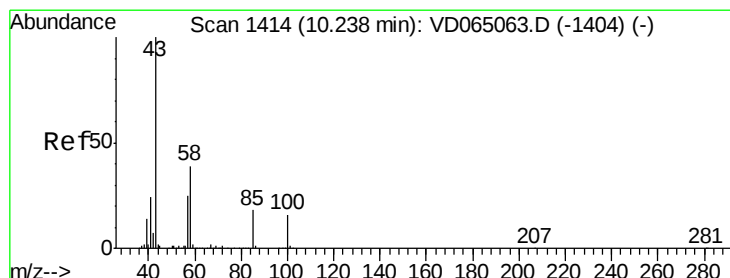
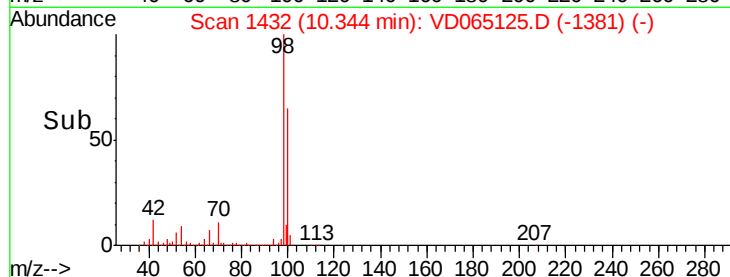
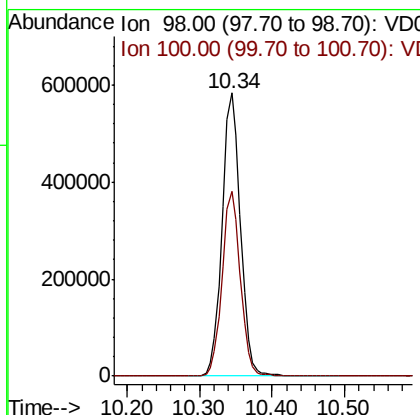
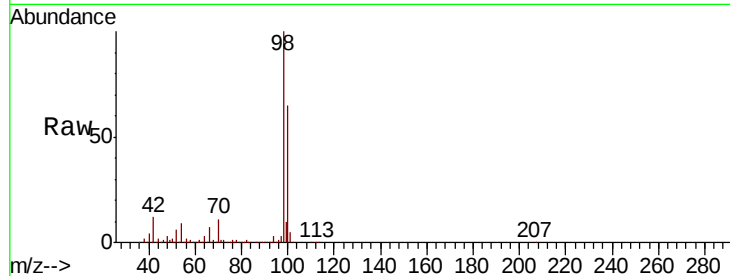




#50
Toluene-d8
Concen: 54.539 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065125.D
Acq: 10 Feb 2020 11:19

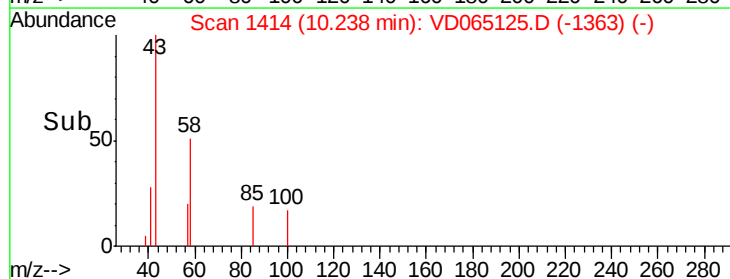
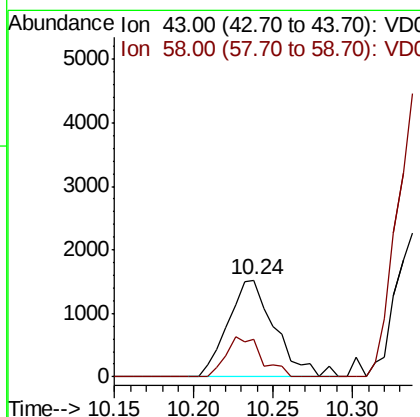
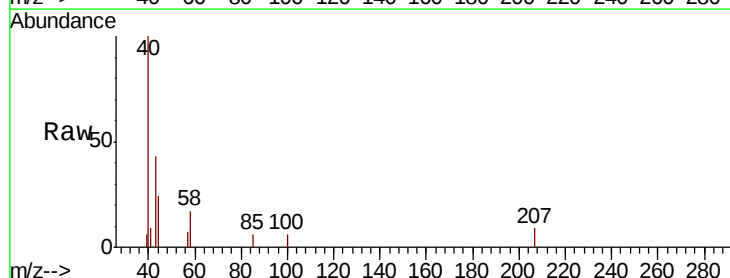
Instrument :
MSVOA_D
ClientSampleId :

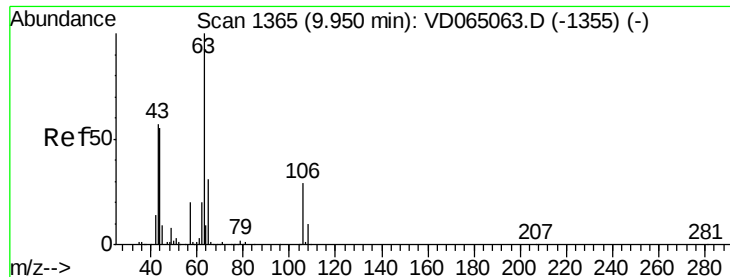
Tot Ion: 98 Resp: 1028829
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.038 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD065125.D
Acq: 10 Feb 2020 11:19

Tgt Ion: 43 Resp: 3153
Ion Ratio Lower Upper
43 100
58 31.1 30.2 45.2

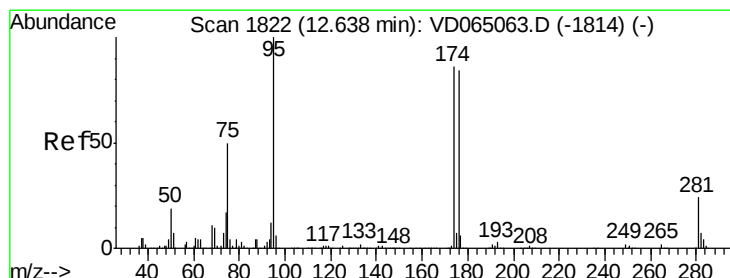
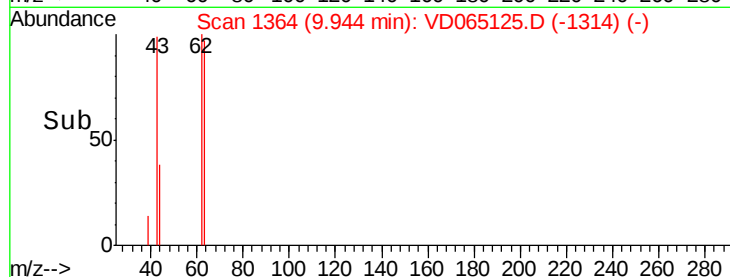
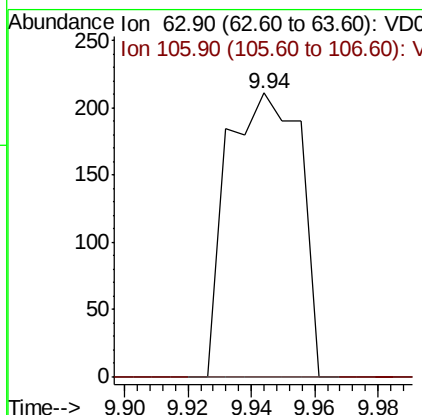
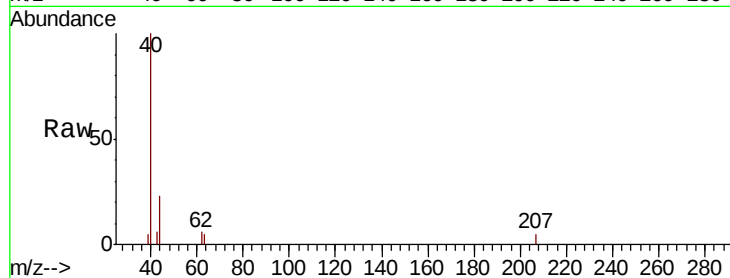




#58
 2-Chloroethyl Vinyl ether
 Concen: Below Cal
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065125.D
 Acq: 10 Feb 2020 11:19

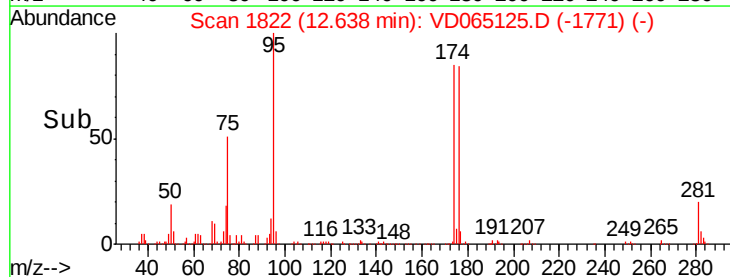
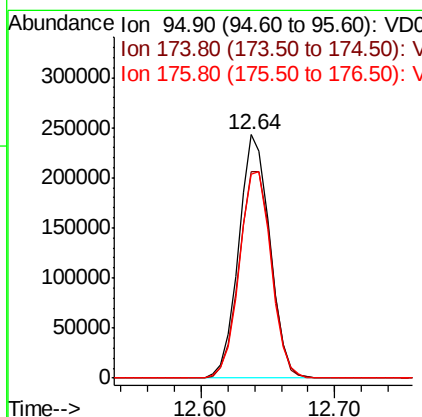
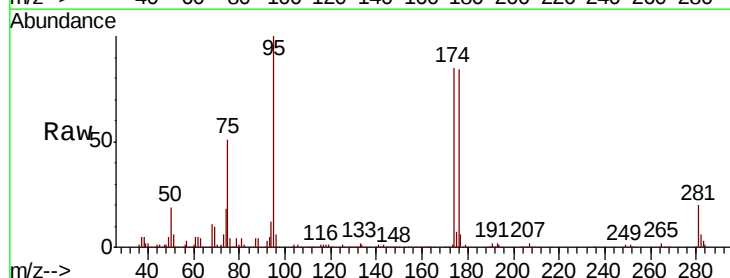
Instrument :
 MSVOA_D
 ClientSampleId :

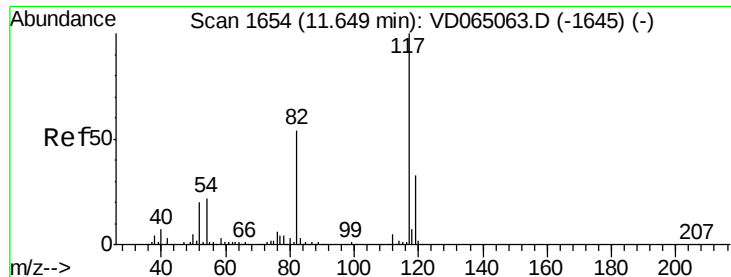
Tot Ion: 63 Resp: 337
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.3 34.9#



#62
 4-Bromofluorobenzene
 Concen: 65.570 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065125.D
 Acq: 10 Feb 2020 11:19

Tgt Ion: 95 Resp: 391934
 Ion Ratio Lower Upper
 95 100
 174 88.4 0.0 180.0
 176 86.3 0.0 173.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065125.D

Acq: 10 Feb 2020 11:19

Instrument :

MSVOA_D

ClientSampleId :

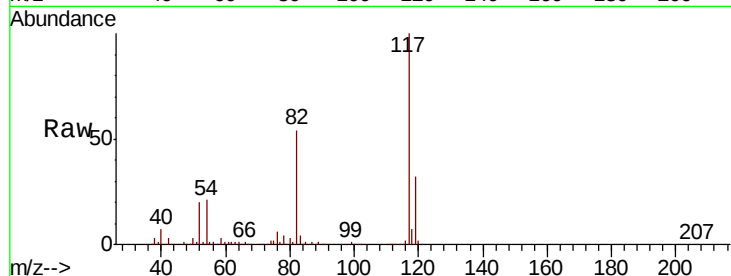
Tot Ion:117 Resp: 880590

Ion Ratio Lower Upper

117 100

82 53.8 43.1 64.7

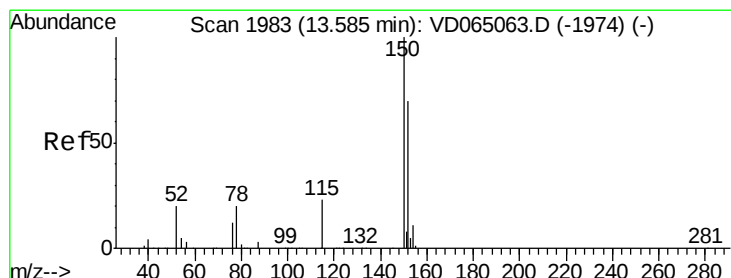
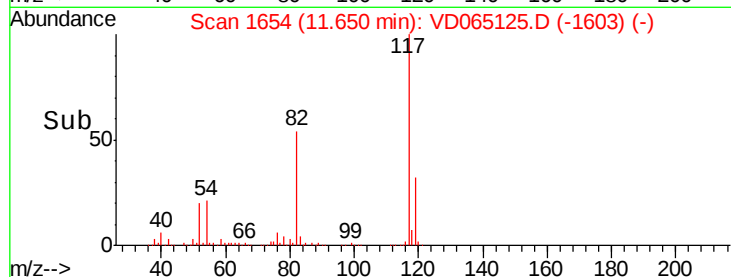
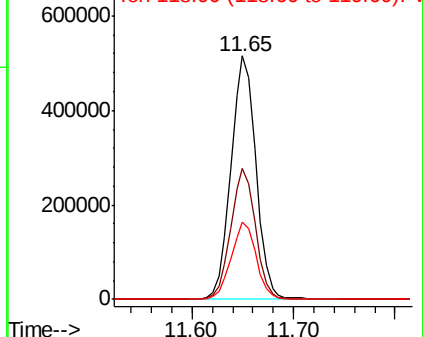
119 31.9 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VD

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: VD065125.D

Acq: 10 Feb 2020 11:19

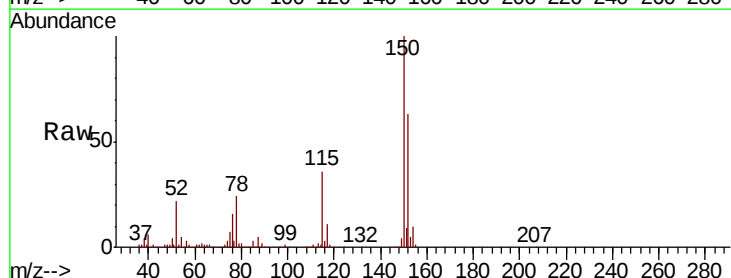
Tgt Ion:152 Resp: 435774

Ion Ratio Lower Upper

152 100

115 56.6 27.5 82.4

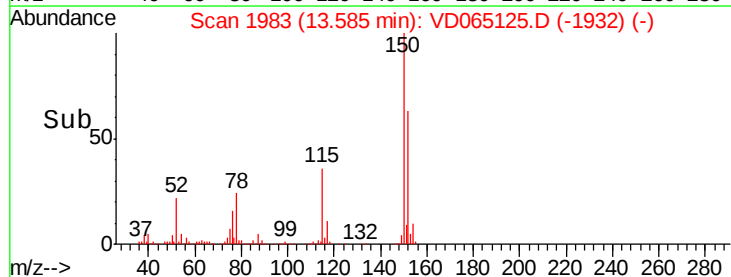
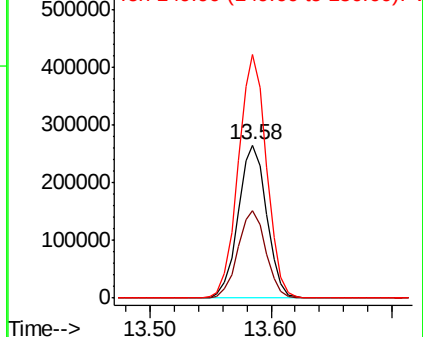
150 157.9 0.0 343.2

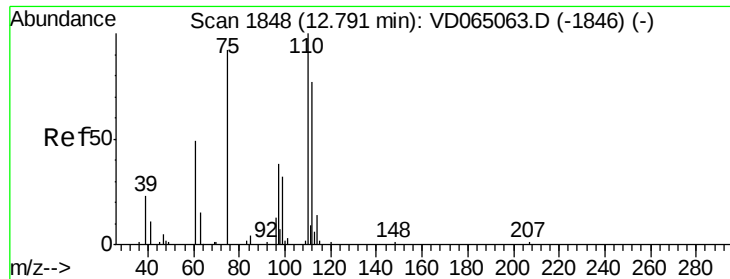


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 61.035 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065125.D

Acq: 10 Feb 2020 11:19

Instrument :

MSVOA_D

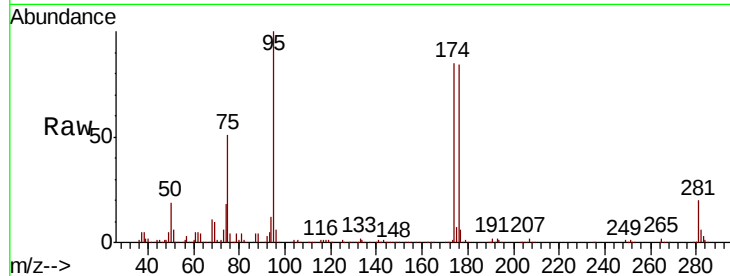
ClientSampleId :

Tot Ion: 75 Resp: 201370

Ion Ratio Lower Upper

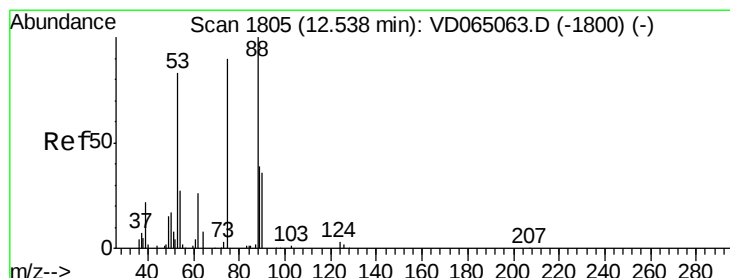
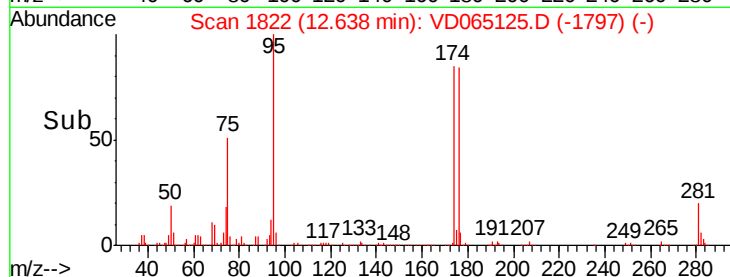
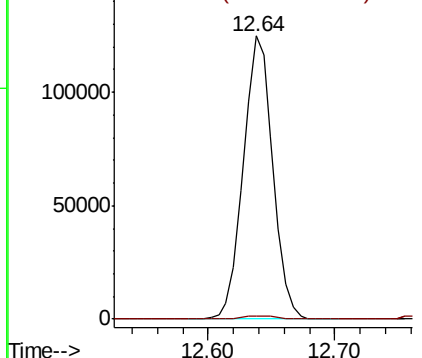
75 100

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: 122.065 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065125.D

Acq: 10 Feb 2020 11:19

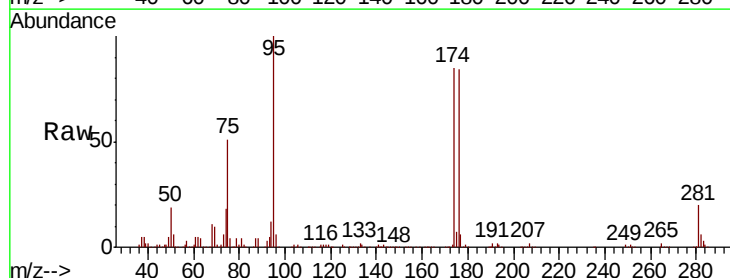
Tgt Ion: 75 Resp: 201370

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.1 37.0 55.4#



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

