

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061920\
 Data File : VD065834.D
 Acq On : 19 Jun 2020 17:47
 Operator : VA/SY
 Sample : L3024-16RE
 Misc : 7.66G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-6RE

Quant Time: Jun 22 08:38:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	9303	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.87	114	18286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	19317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	8553	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	10894	118.51	ug/l	0.00
Spiked Amount			Recovery	=	237.02%	
35) Dibromofluoromethane	7.92	113	7819	67.69	ug/l	0.00
Spiked Amount			Recovery	=	135.38%	
50) Toluene-d8	10.34	98	18943	43.98	ug/l	0.00
Spiked Amount			Recovery	=	87.96%	
62) 4-Bromofluorobenzene	12.63	95	7090	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	

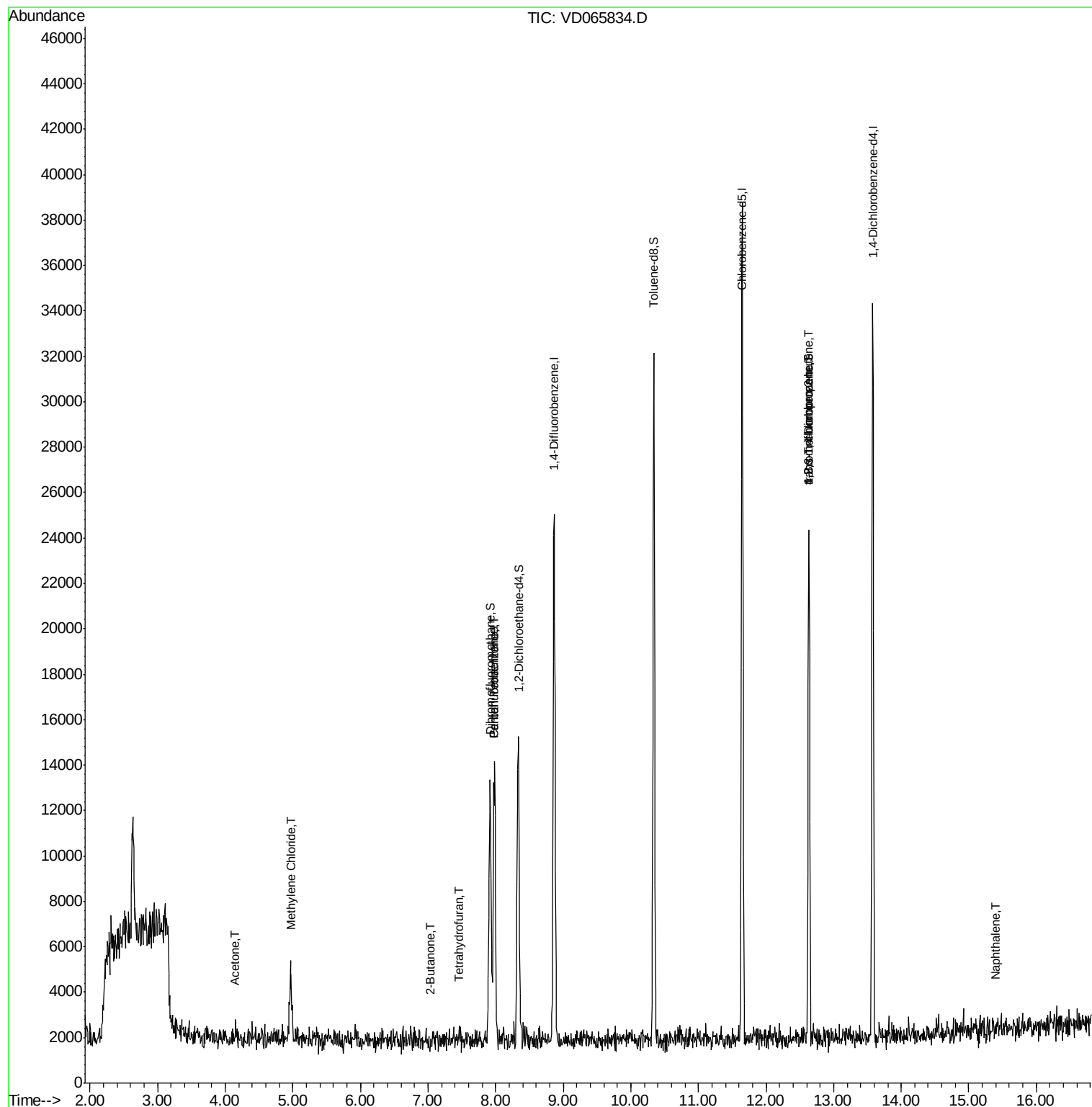
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.24	50	149	Below Cal	#	43
16) Acetone	4.14	43	389	22.433	ug/l #	47
18) Methyl Acetate	4.43	43	55	Below Cal	#	52
20) Methylene Chloride	4.97	84	1697	15.344	ug/l #	86
25) 2-Butanone	7.04	43	64	2.672	ug/l #	52
29) Tetrahydrofuran	7.46	42	80	5.286	ug/l #	34
38) Carbon Tetrachloride	7.97	117	856	4.643	ug/l #	12
76) 1,2,3-Trichloropropane	12.64	75	4080	61.337	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	4080	132.526	ug/l #	9
95) Naphthalene	15.40	128	317	1.195	ug/l #	69

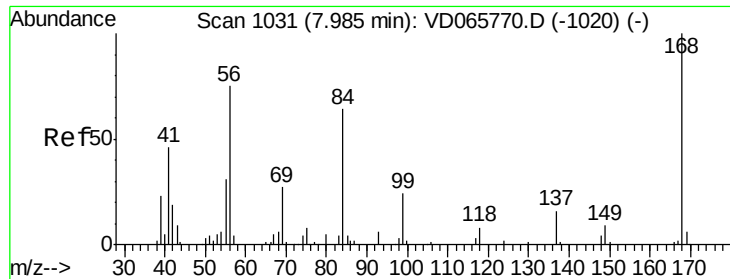
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061920\
Data File : VD065834.D
Acq On : 19 Jun 2020 17:47
Operator : VA/SY
Sample : L3024-16RE
Misc : 7.66G/5.00ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RO-6RE

Quant Time: Jun 22 08:38:38 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 05 13:07:30 2020
Response via : Initial Calibration

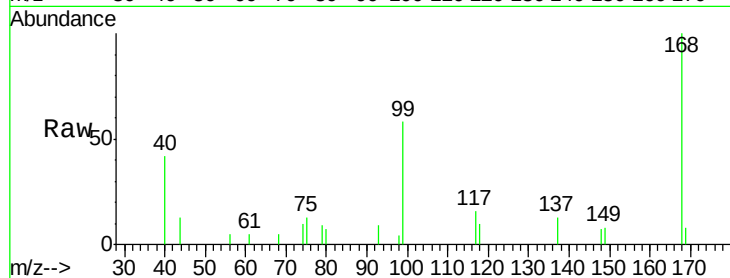




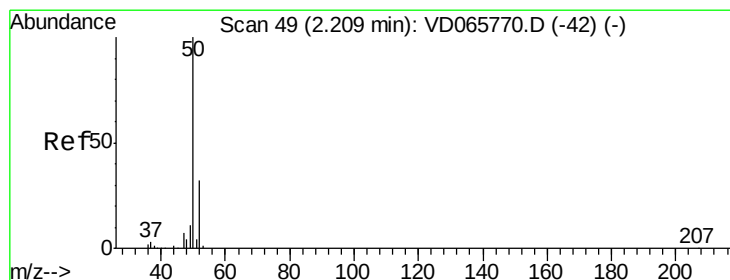
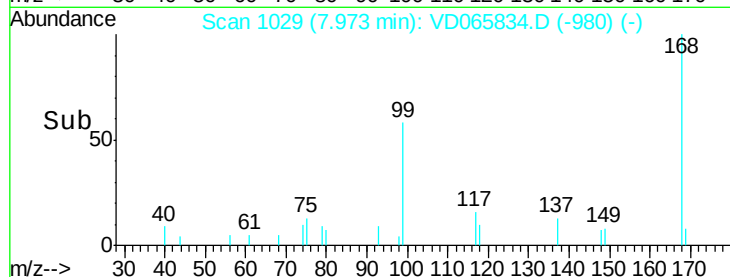
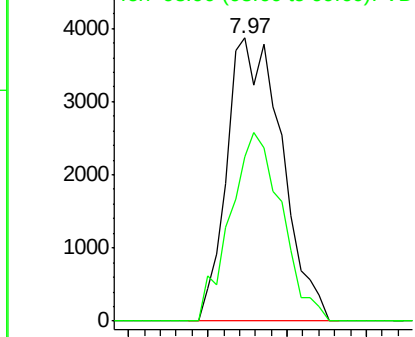
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD065834.D
Acq: 19 Jun 2020 17:47

Instrument :
MSVOA_D
ClientSampleId :
RO-6RE

Tot Ion:168 Resp: 9303
Ion Ratio Lower Upper
168 100
99 58.3 45.3 67.9

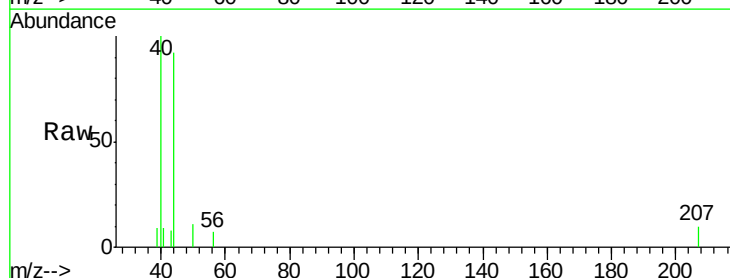


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC

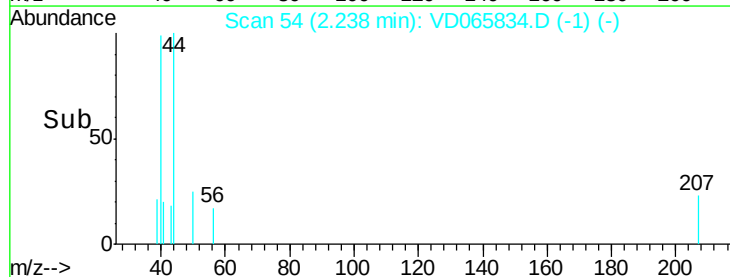
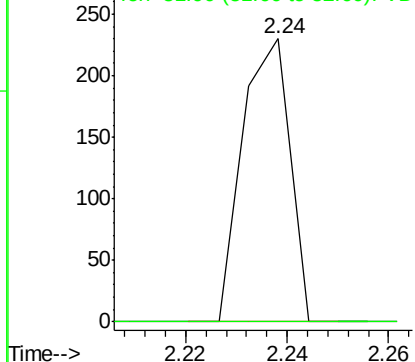


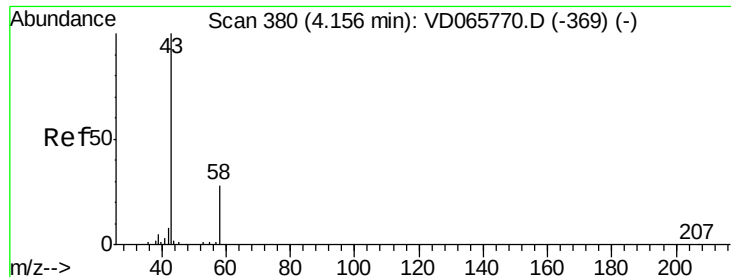
#3
Chloromethane
Concen: Below Cal
RT: 2.24 min Scan# 54
Delta R.T. 0.03 min
Lab File: VD065834.D
Acq: 19 Jun 2020 17:47

Tgt Ion: 50 Resp: 149
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC
Ion 51.90 (51.60 to 52.60): VDC





#16

Acetone

Concen: 22.433 ug/l

RT: 4.14 min Scan# 378

Delta R.T. -0.01 min

Lab File: VD065834.D

Acq: 19 Jun 2020 17:47

Instrument :

MSVOA_D

ClientSampleId :

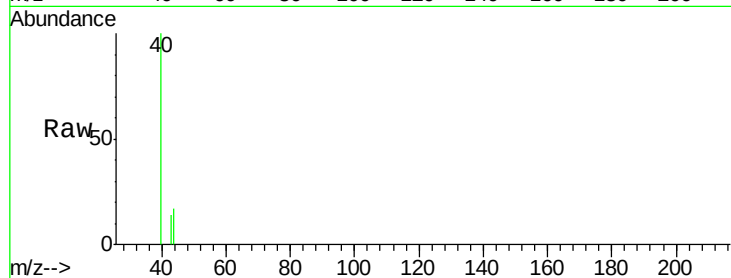
RO-6RE

Tot Ion: 43 Resp: 389

Ion Ratio Lower Upper

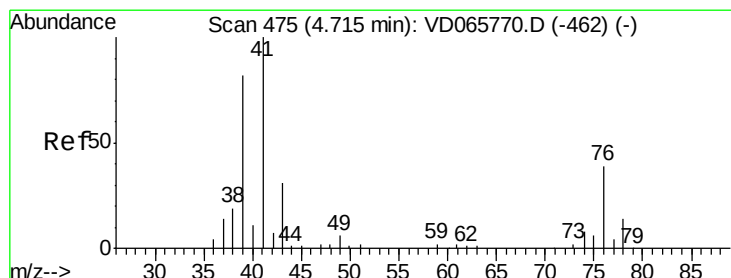
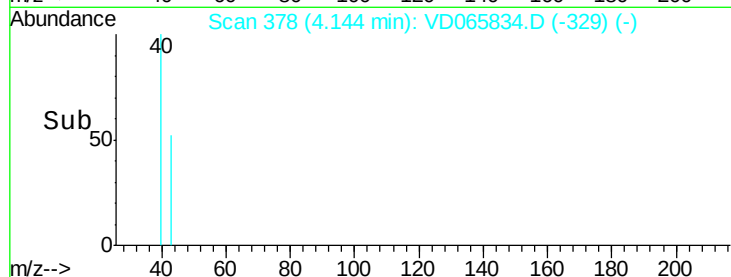
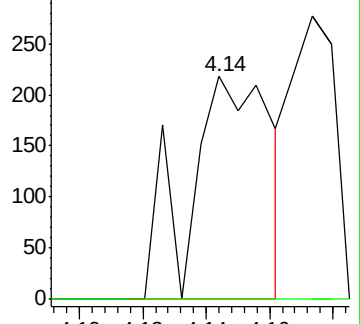
43 100

58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: Below Cal

RT: 4.43 min Scan# 426

Delta R.T. -0.29 min

Lab File: VD065834.D

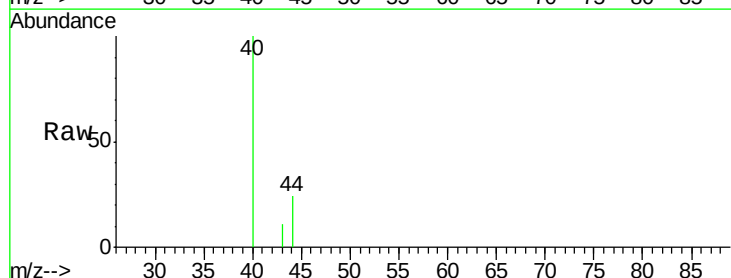
Acq: 19 Jun 2020 17:47

Tgt Ion: 43 Resp: 55

Ion Ratio Lower Upper

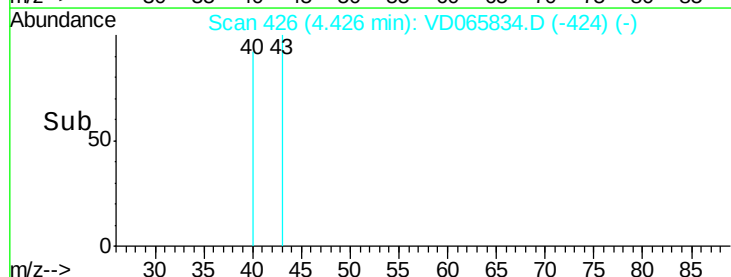
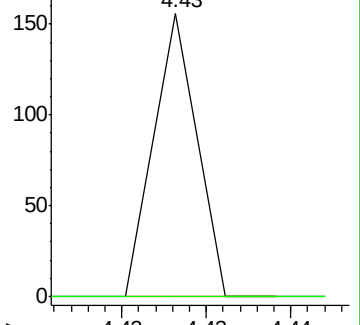
43 100

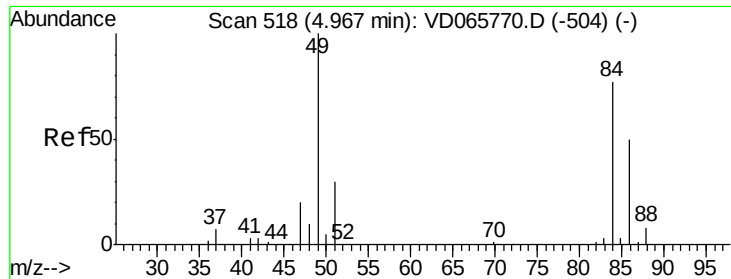
74 0.0 18.7 28.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

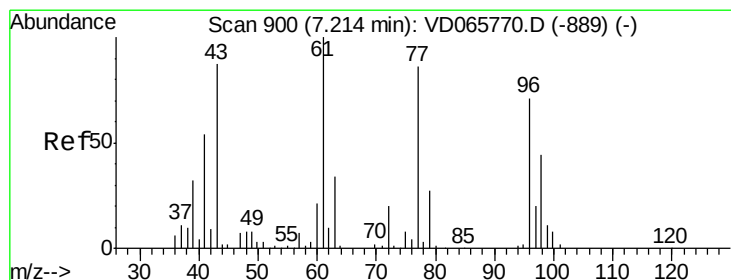
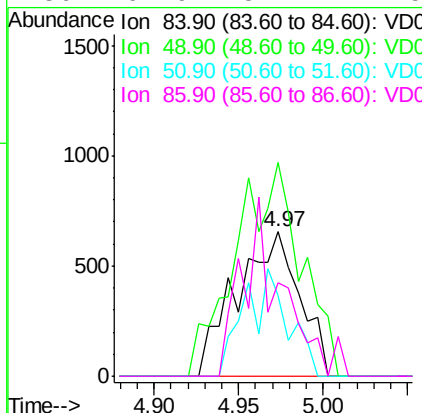
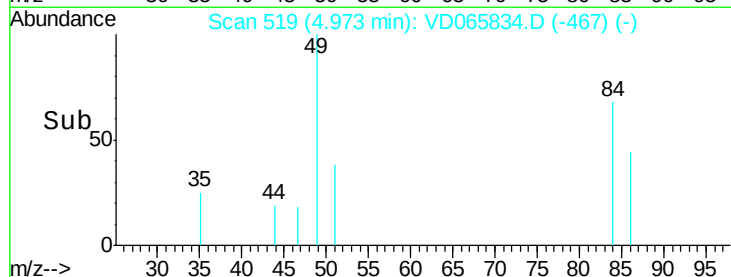
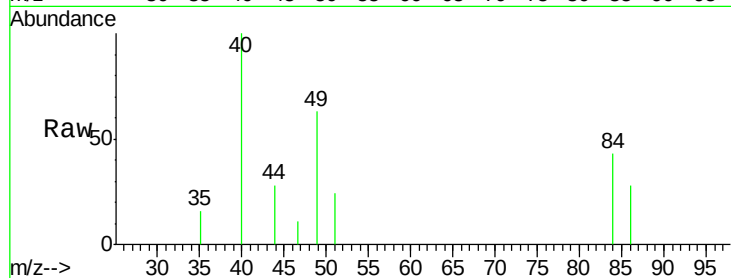




#20
Methvlene Chloride
Concen: 15.344 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065834.D
Acq: 19 Jun 2020 17:47

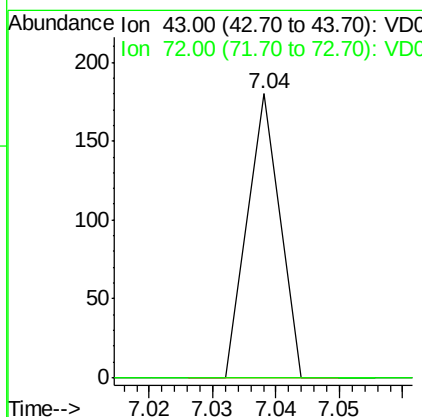
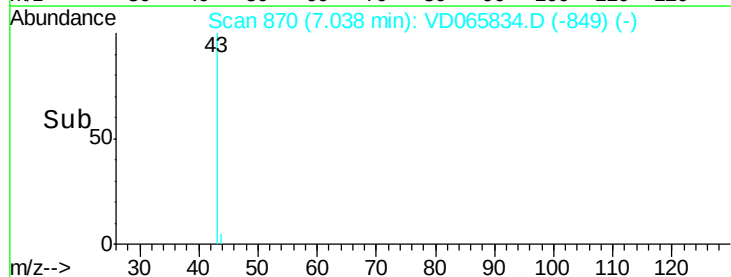
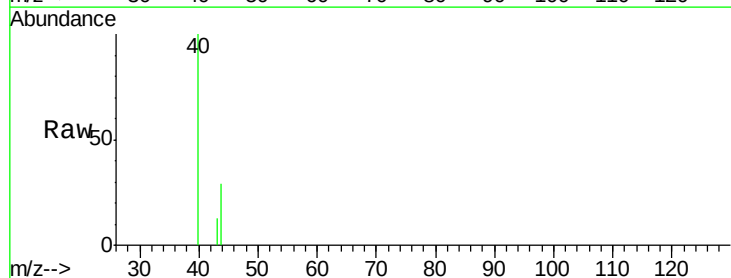
Instrument :
MSVOA_D
ClientSampleId :
RO-6RE

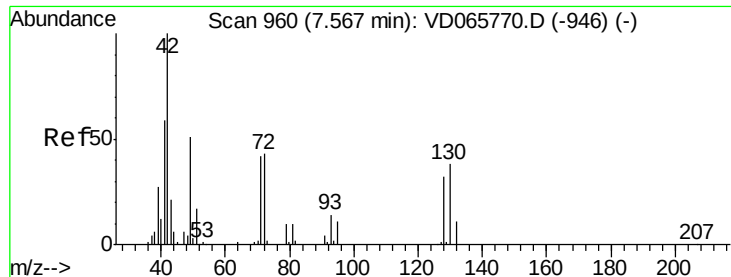
Tot Ion: 84 Resp: 1697
Ion Ratio Lower Upper
84 100
49 147.9 103.4 155.0
51 55.9 31.4 47.2#
86 64.9 51.7 77.5



#25
2-Butanone
Concen: 2.672 ug/l
RT: 7.04 min Scan# 870
Delta R.T. -0.18 min
Lab File: VD065834.D
Acq: 19 Jun 2020 17:47

Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
72 0.0 18.5 27.7#

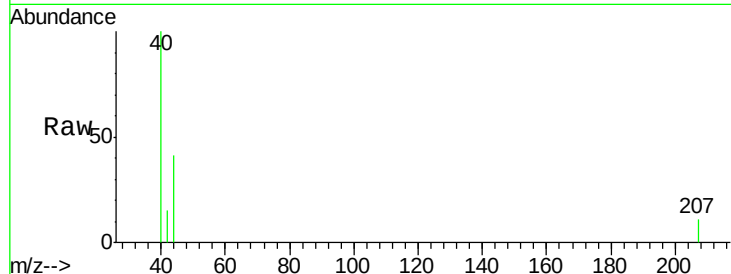




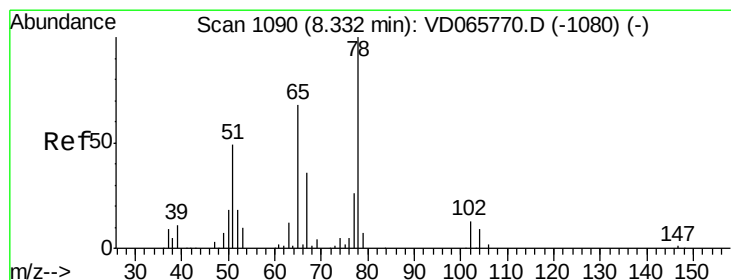
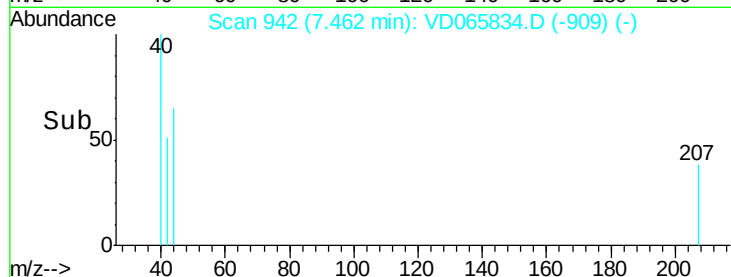
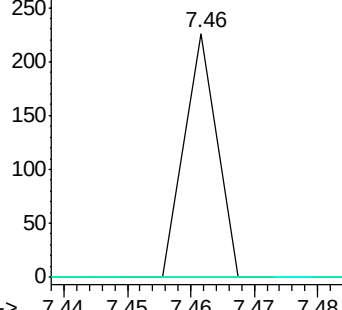
#29
Tetrahydrofuran
Concen: 5.286 ug/l
RT: 7.46 min Scan# 942
Delta R.T. -0.11 min
Lab File: VD065834.D
Acq: 19 Jun 2020 17:47

Instrument :
MSVOA_D
ClientSampleId :
RO-6RE

Tot Ion: 42 Resp: 80
Ion Ratio Lower Upper
42 100
72 0.0 34.9 52.3#
71 0.0 31.2 46.8#

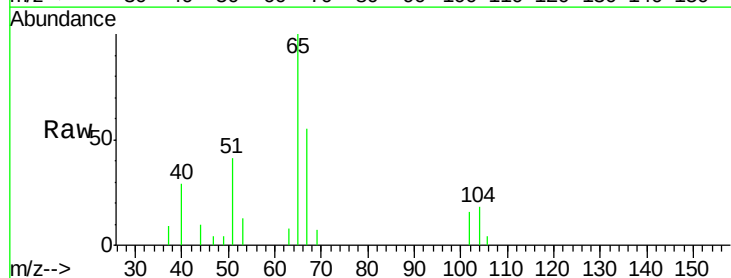


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

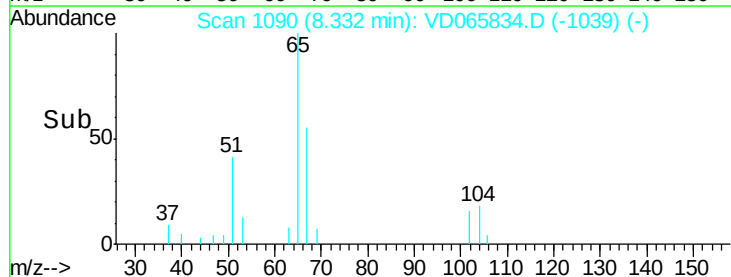
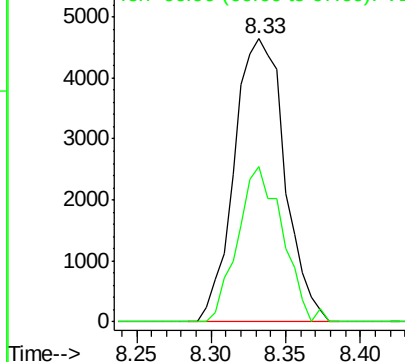


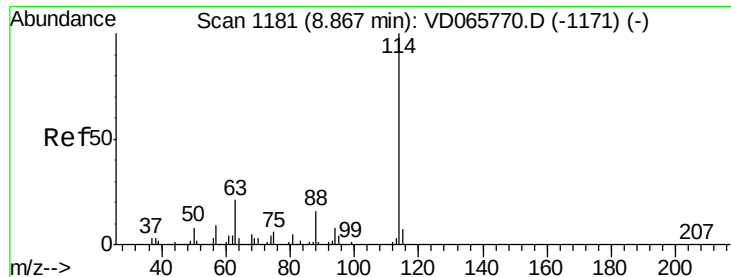
#33
1,2-Dichloroethane-d4
Concen: 118.508 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD065834.D
Acq: 19 Jun 2020 17:47

Tgt Ion: 65 Resp: 10894
Ion Ratio Lower Upper
65 100
67 48.8 0.0 103.6



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

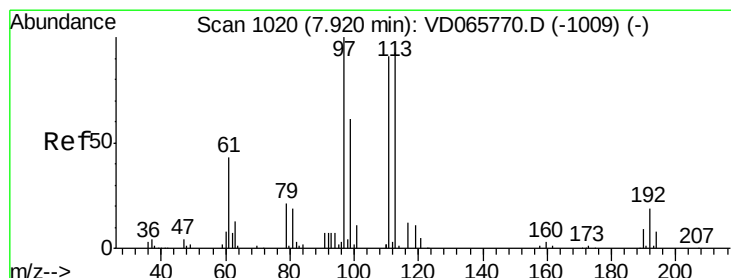
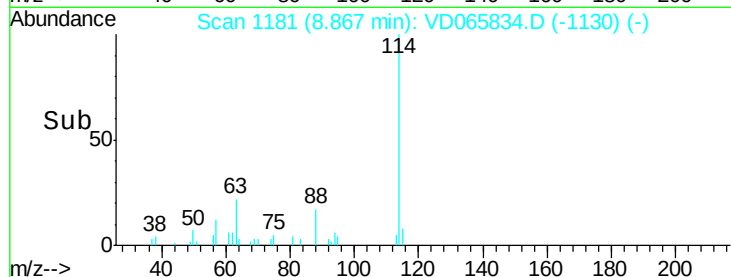
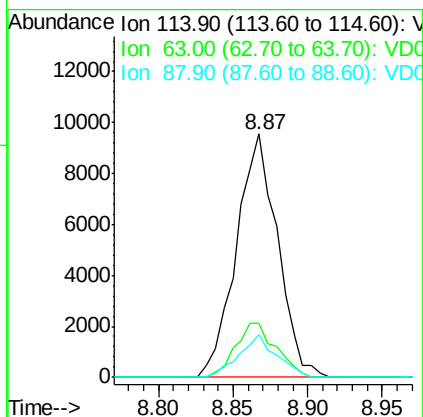
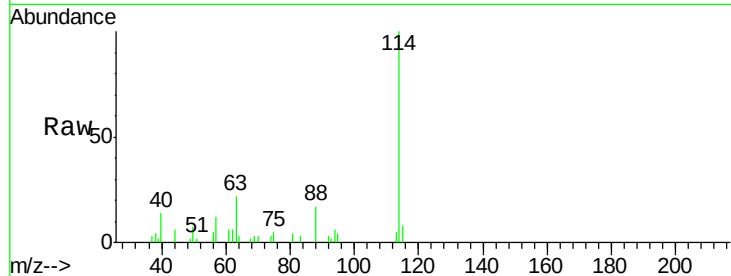




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065834.D
 Acq: 19 Jun 2020 17:47

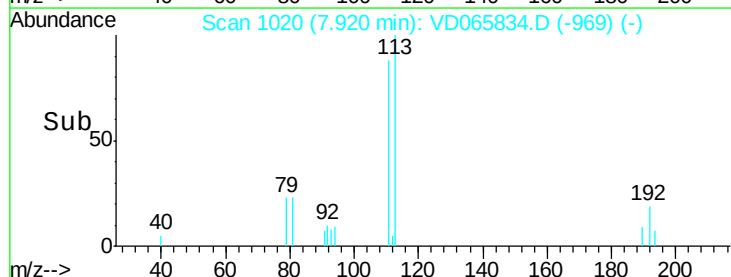
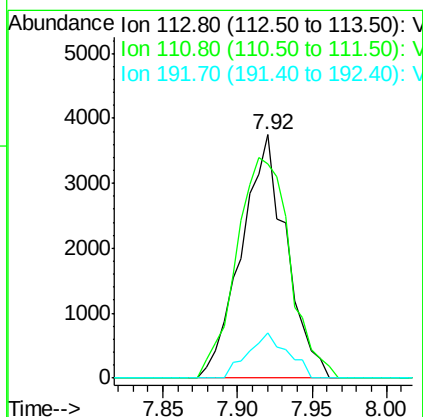
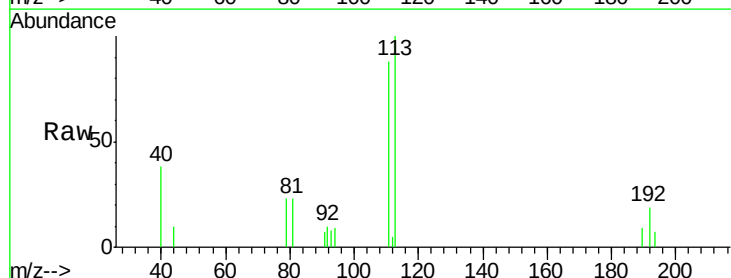
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-6RE

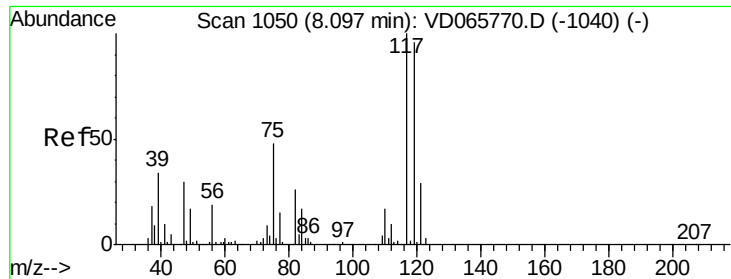
Tot Ion:114 Resp: 18286
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 41.8
 88 17.3 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 67.694 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065834.D
 Acq: 19 Jun 2020 17:47

Tgt Ion:113 Resp: 7819
 Ion Ratio Lower Upper
 113 100
 111 107.6 83.4 125.0
 192 16.5 15.7 23.5





#38

Carbon Tetrachloride

Concen: 4.643 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD065834.D

Acq: 19 Jun 2020 17:47

Instrument :

MSVOA_D

ClientSampleId :

RO-6RE

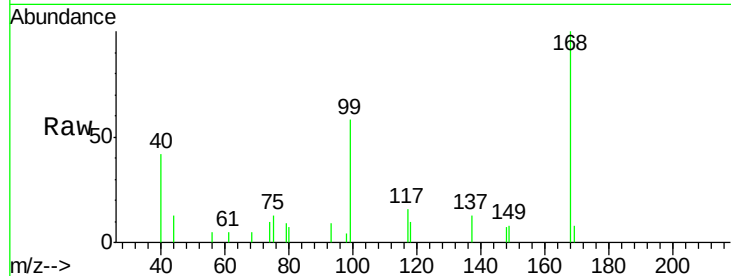
Tot Ion:117 Resp: 856

Ion Ratio Lower Upper

117 100

119 0.0 76.8 115.2#

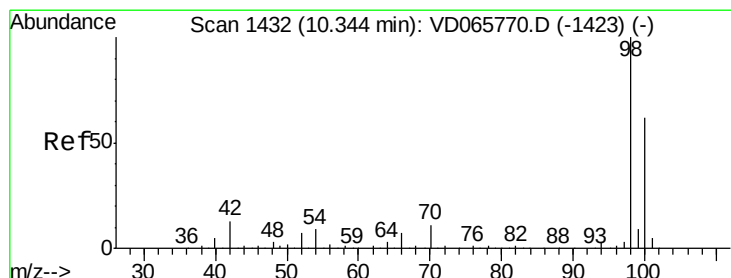
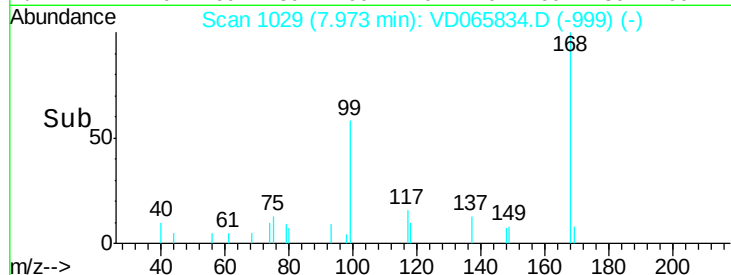
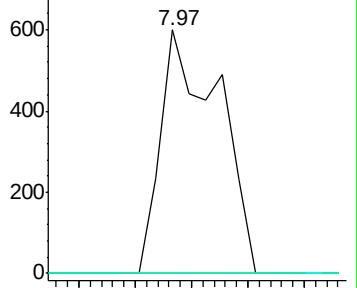
121 0.0 23.4 35.2#



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: 43.981 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD065834.D

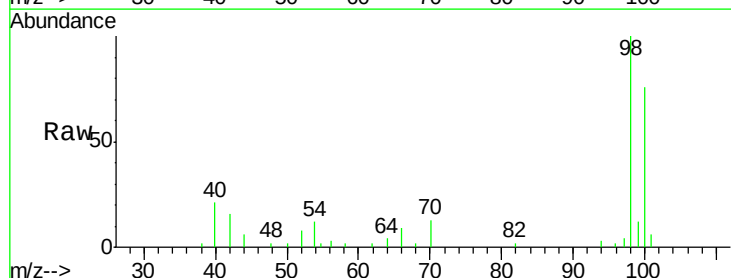
Acq: 19 Jun 2020 17:47

Tgt Ion: 98 Resp: 18943

Ion Ratio Lower Upper

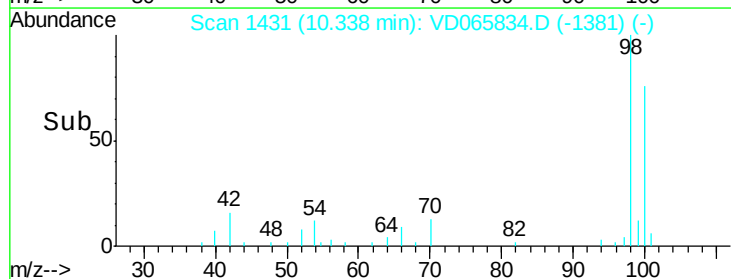
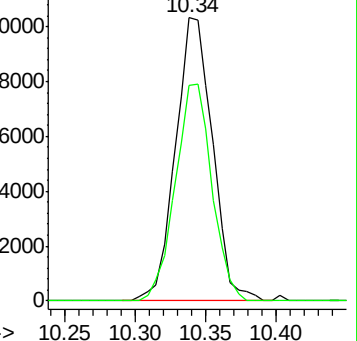
98 100

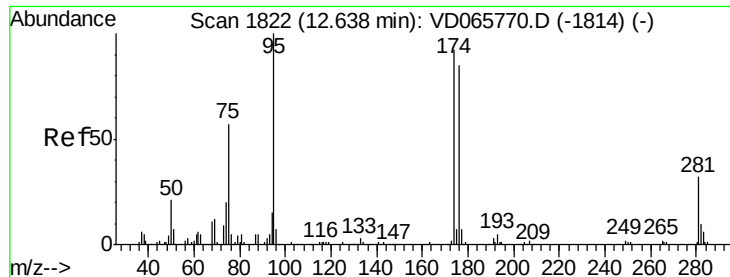
100 75.9 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.539 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD065834.D

Acq: 19 Jun 2020 17:47

Instrument :

MSVOA_D

ClientSampleId :

RO-6RE

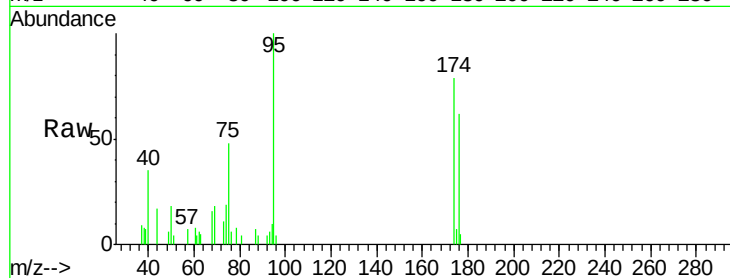
Tot Ion: 95 Resp: 7090

Ion Ratio Lower Upper

95 100

174 85.3 0.0 175.2

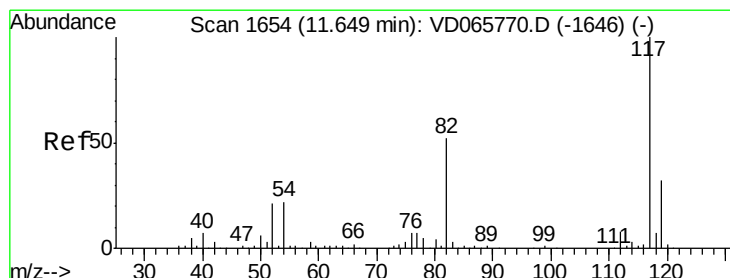
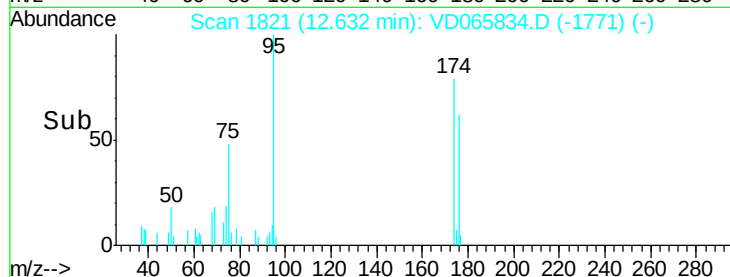
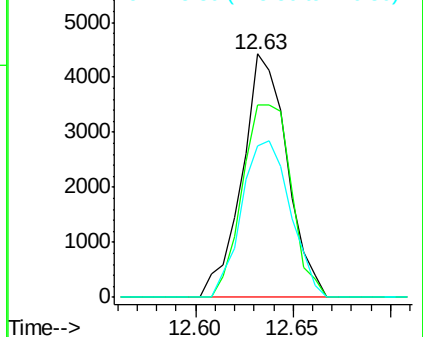
176 69.3 0.0 163.0



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: VD065834.D

Acq: 19 Jun 2020 17:47

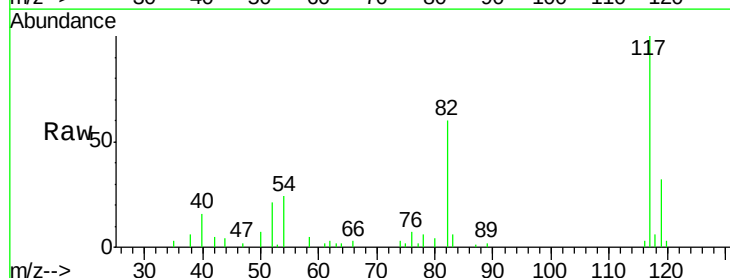
Tgt Ion: 117 Resp: 19317

Ion Ratio Lower Upper

117 100

82 59.9 41.9 62.9

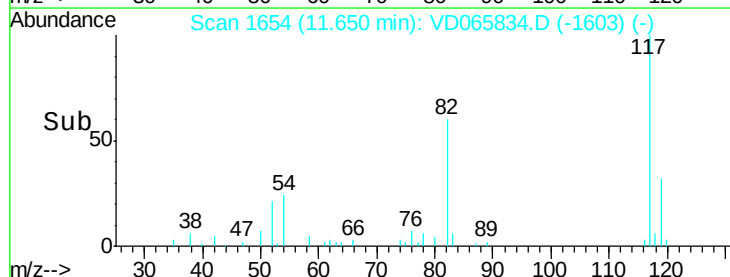
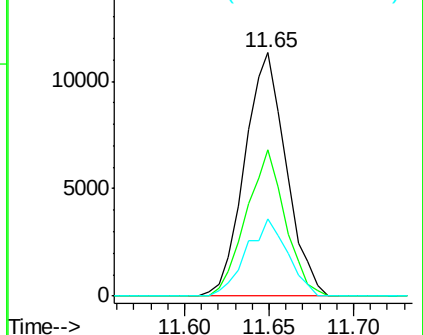
119 31.7 25.3 37.9

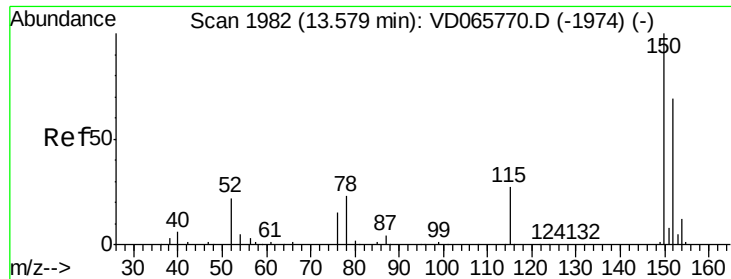


Abundance Ion 116.90 (116.60 to 117.60): V

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. 0.01 min

Lab File: VD065834.D

Acq: 19 Jun 2020 17:47

Instrument :

MSVOA_D

ClientSampleId :

RO-6RE

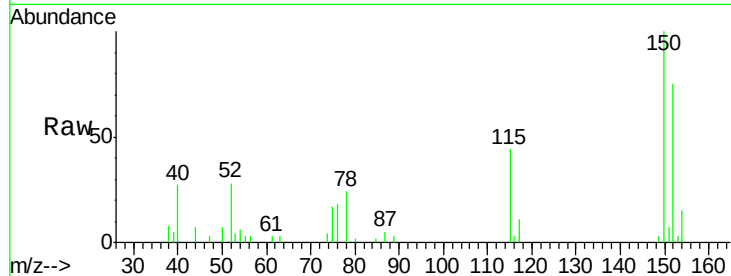
Tot Ion:152 Resp: 8553

Ion Ratio Lower Upper

152 100

115 58.5 28.7 86.1

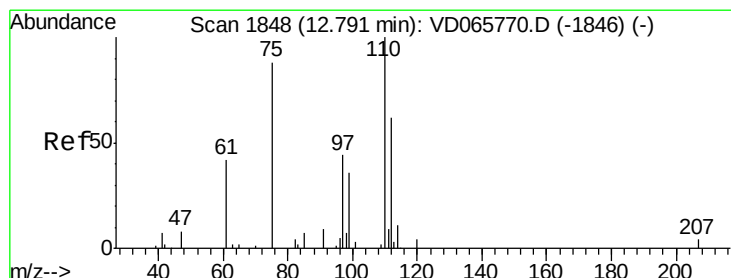
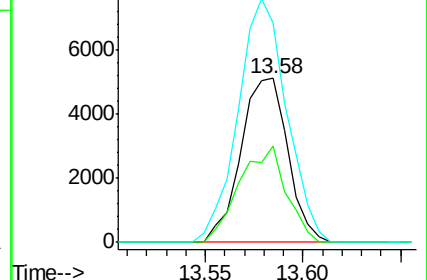
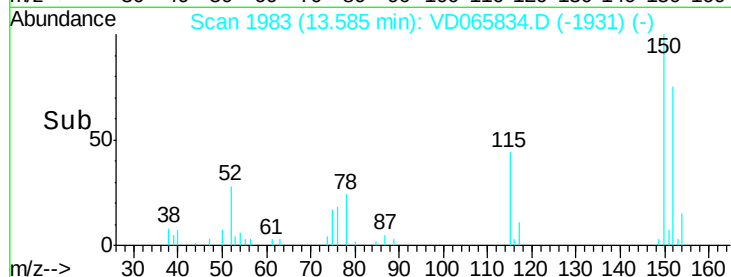
150 153.7 0.0 348.0



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: 61.337 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065834.D

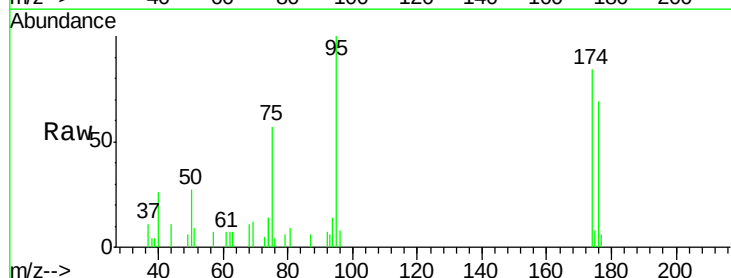
Acq: 19 Jun 2020 17:47

Tgt Ion: 75 Resp: 4080

Ion Ratio Lower Upper

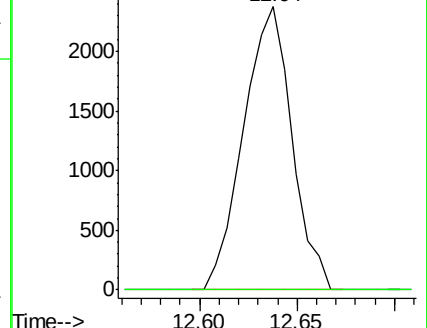
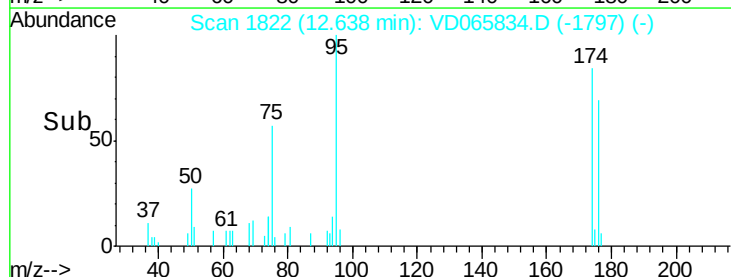
75 100

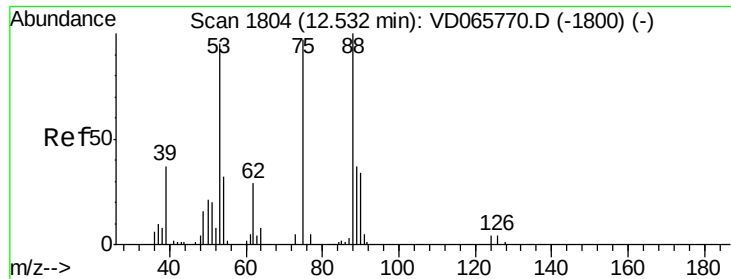
77 0.0 0.0 0.0



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: 132.526 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065834.D

Acq: 19 Jun 2020 17:47

Instrument :

MSVOA_D

ClientSampleId :

RO-6RE

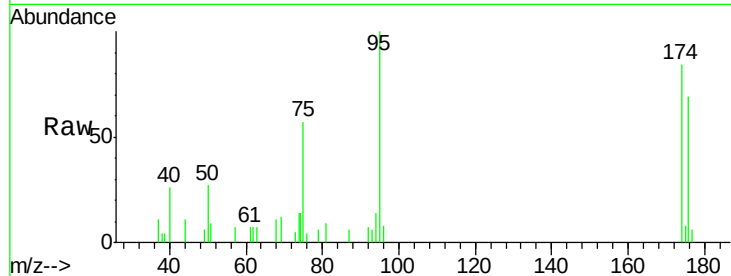
Tot Ion: 75 Resp: 4080

Ion Ratio Lower Upper

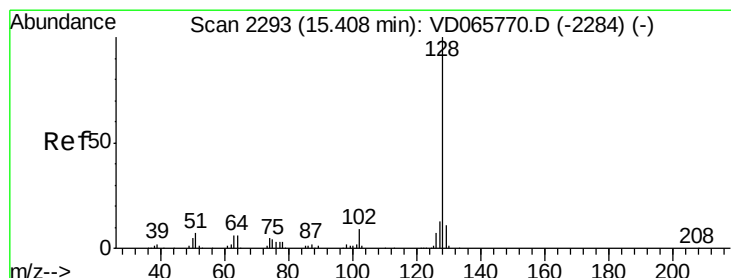
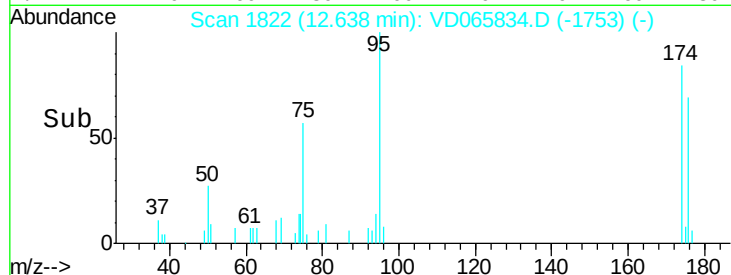
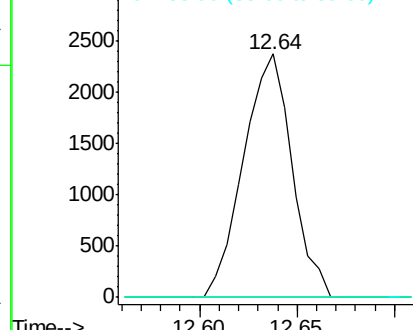
75 100

53 0.0 82.6 123.8#

89 0.0 35.9 53.9#



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: 1.195 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD065834.D

Acq: 19 Jun 2020 17:47

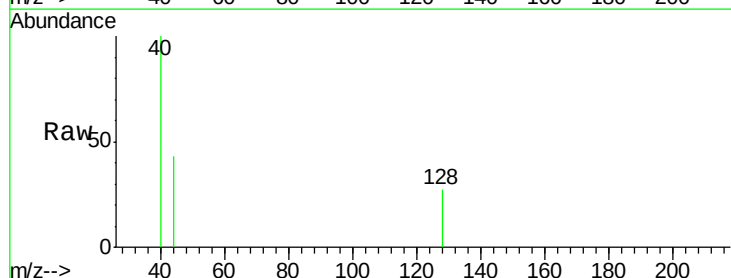
Tgt Ion: 128 Resp: 317

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.6 12.8#



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

