

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061920\
 Data File : VD065836.D
 Acq On : 19 Jun 2020 18:41
 Operator : VA/SY
 Sample : L3024-22RE
 Misc : 6.94G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-11RE

Quant Time: Jun 20 01:27:52 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	7.99	168	128146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	218730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	183295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	61265	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	80463	63.54	ug/l	0.00
Spiked Amount			Recovery	=	127.08%	
35) Dibromofluoromethane	7.91	113	78877	57.09	ug/l	0.00
Spiked Amount			Recovery	=	114.18%	
50) Toluene-d8	10.34	98	264863	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.64	95	68396	39.15	ug/l	0.00
Spiked Amount			Recovery	=	78.30%	

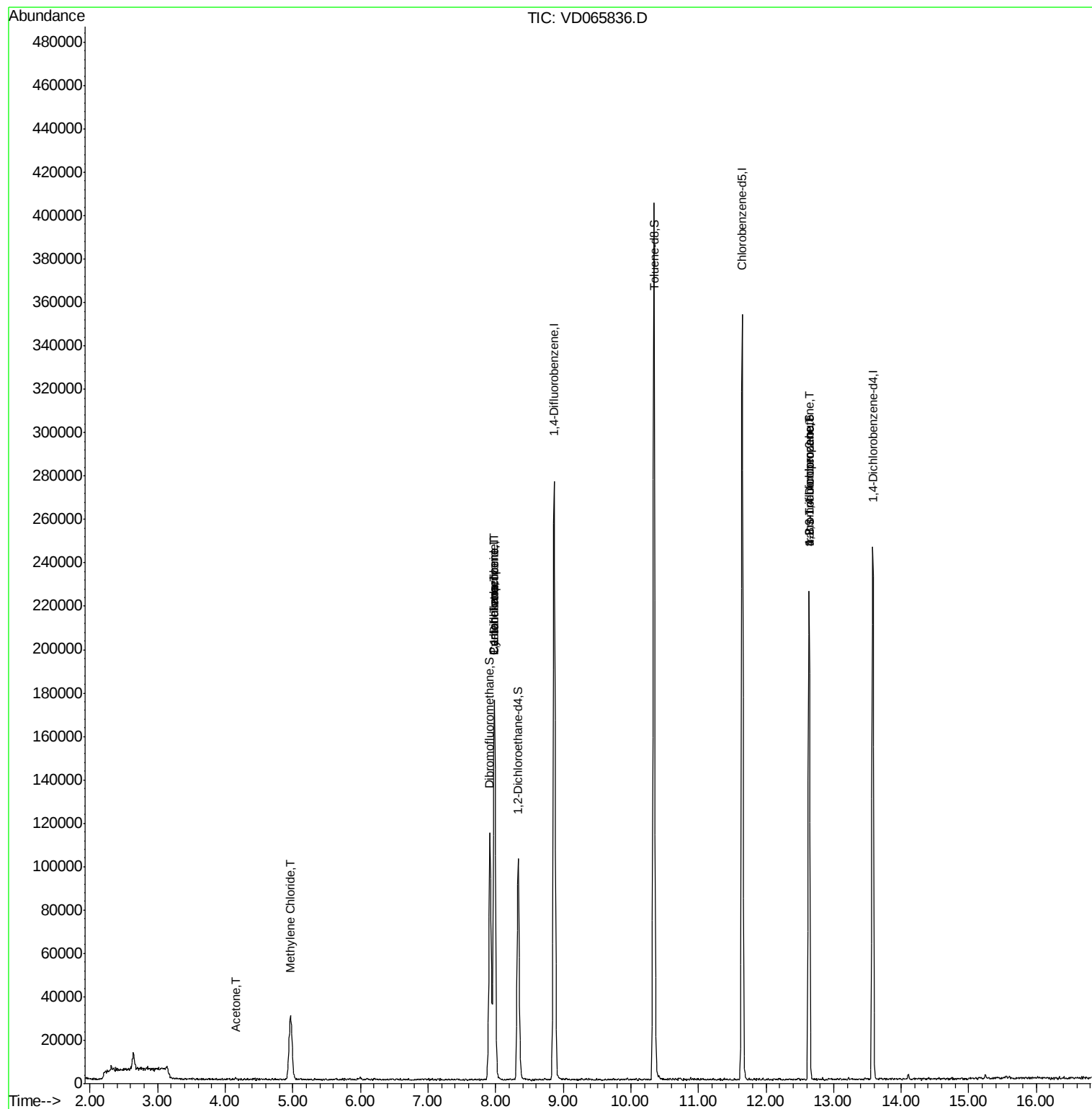
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	61	Below Cal	#	42
3) Chloromethane	2.20	50	207	Below Cal	#	43
16) Acetone	4.16	43	1034	4.329	ug/l #	47
18) Methyl Acetate	4.72	43	54	Below Cal	#	52
20) Methylene Chloride	4.96	84	22360	14.465	ug/l #	92
31) Cyclohexane	7.98	56	3595	1.583	ug/l #	34
36) 1,1-Dichloropropene	7.98	75	10910	5.207	ug/l #	50
38) Carbon Tetrachloride	7.98	117	13027	5.908	ug/l #	20
76) 1,2,3-Trichloropropane	12.64	75	39360	82.608	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	39360	178.485	ug/l #	9

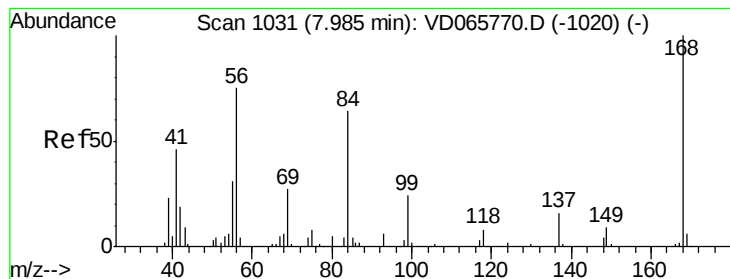
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD061920\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065836.D

Acq: 19 Jun 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

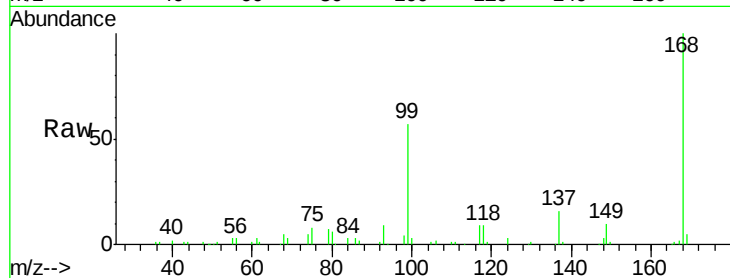
RO-11RE

Tgt Ion:168 Resp: 128146

Ion Ratio Lower Upper

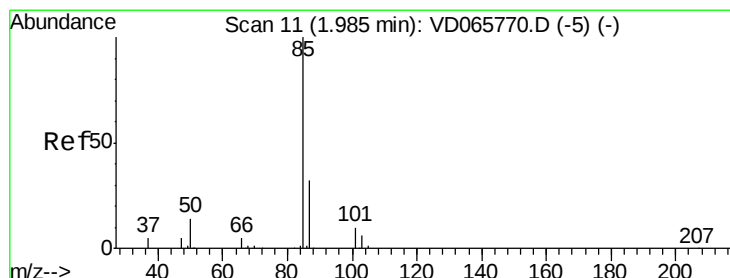
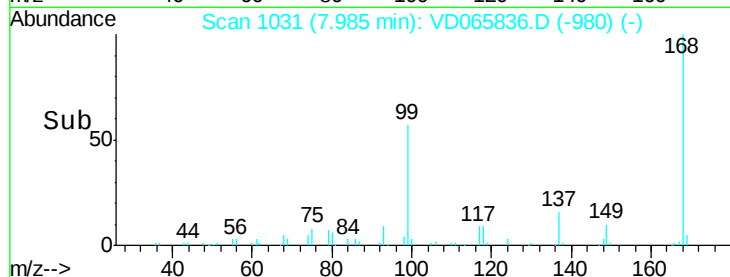
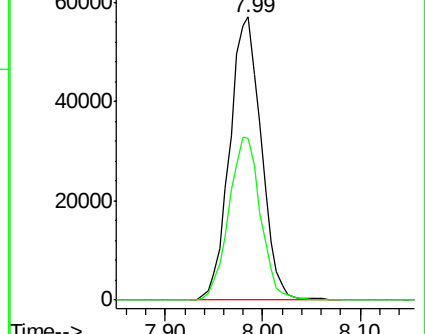
168 100

99 57.1 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065836.D

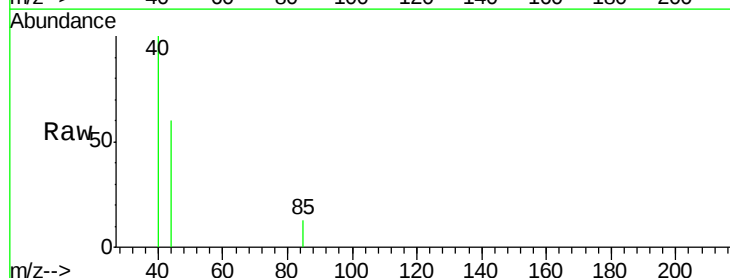
Acq: 19 Jun 2020 18:41

Tgt Ion: 85 Resp: 61

Ion Ratio Lower Upper

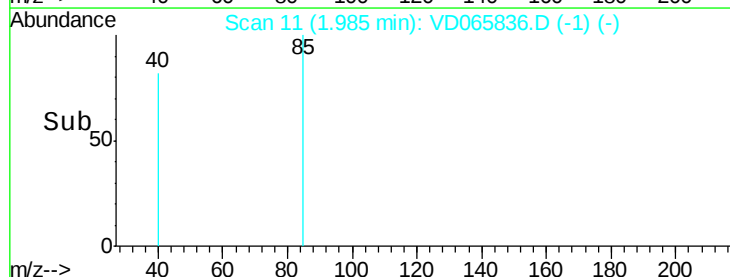
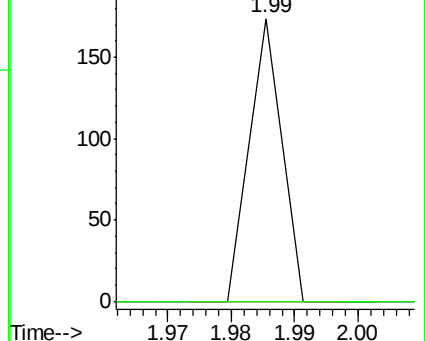
85 100

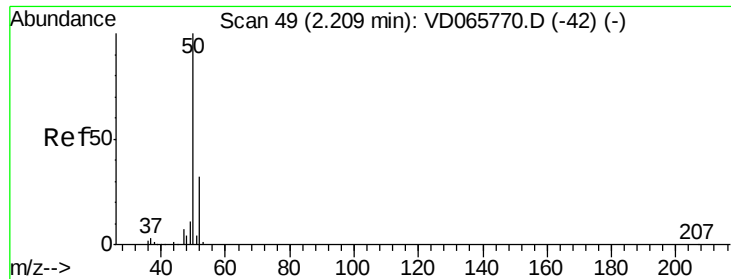
87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065836.D

Acq: 19 Jun 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

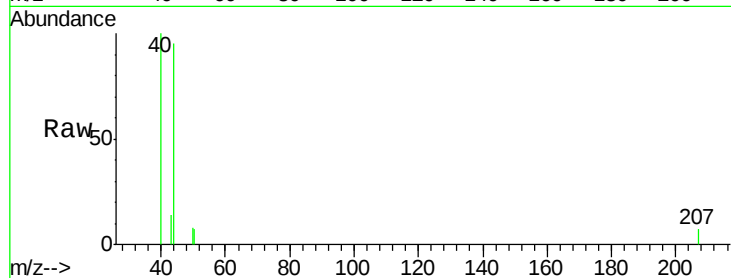
RO-11RE

Tgt Ion: 50 Resp: 207

Ion Ratio Lower Upper

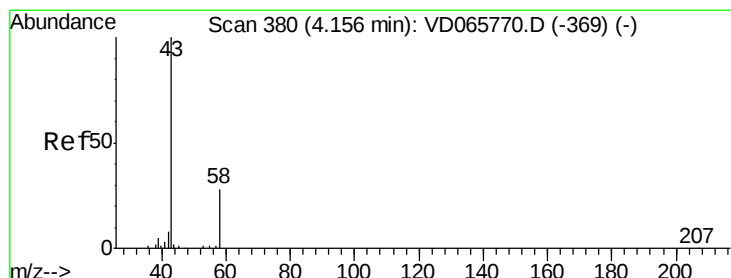
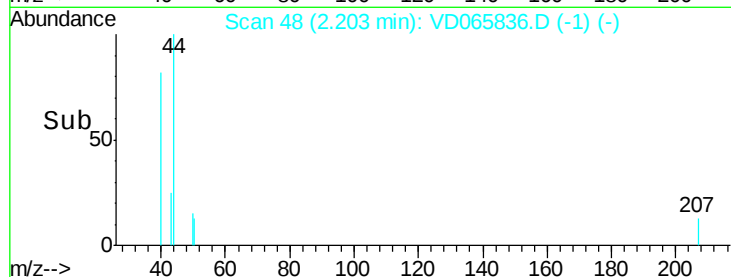
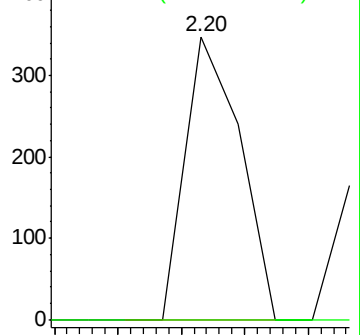
50 100

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: 4.329 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065836.D

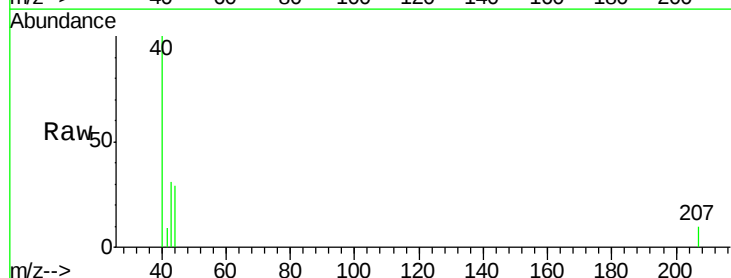
Acq: 19 Jun 2020 18:41

Tgt Ion: 43 Resp: 1034

Ion Ratio Lower Upper

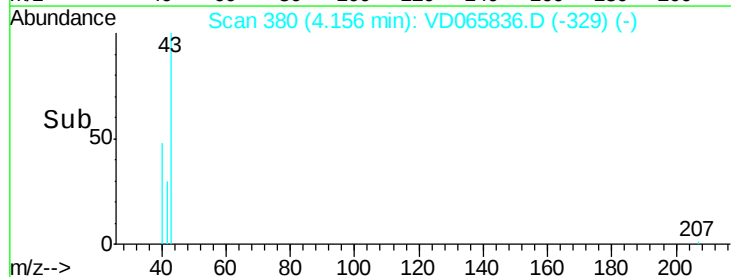
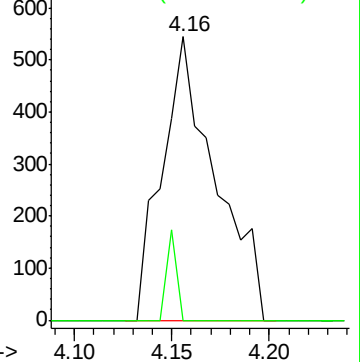
43 100

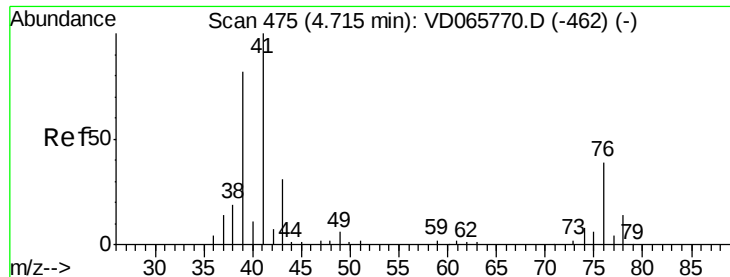
58 0.0 22.3 33.5#



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: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065836.D

Acq: 19 Jun 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

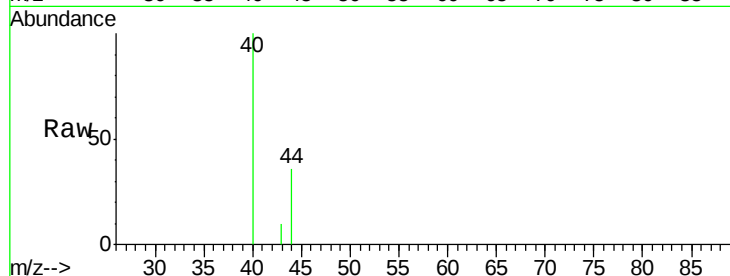
RO-11RE

Tgt Ion: 43 Resp: 54

Ion Ratio Lower Upper

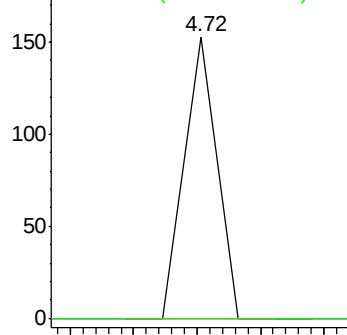
43 100

74 0.0 18.7 28.1#

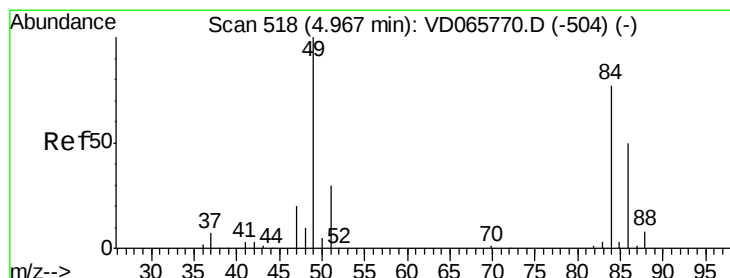
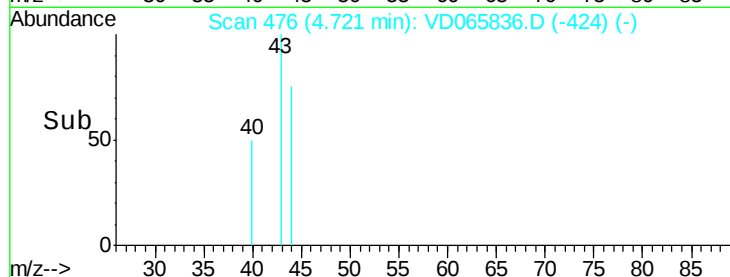


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



Time-->



#20

Methylene Chloride

Concen: 14.465 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD065836.D

Acq: 19 Jun 2020 18:41

Tgt Ion: 84 Resp: 22360

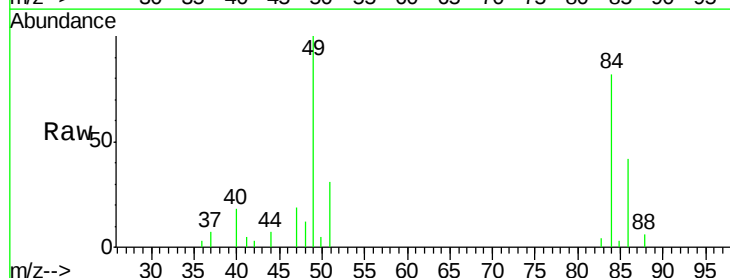
Ion Ratio Lower Upper

84 100

49 122.3 103.4 155.0

51 38.1 31.4 47.2

86 51.0 51.7 77.5#

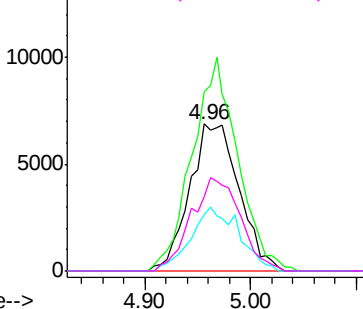


Abundance Ion 83.90 (83.60 to 84.60): VDC

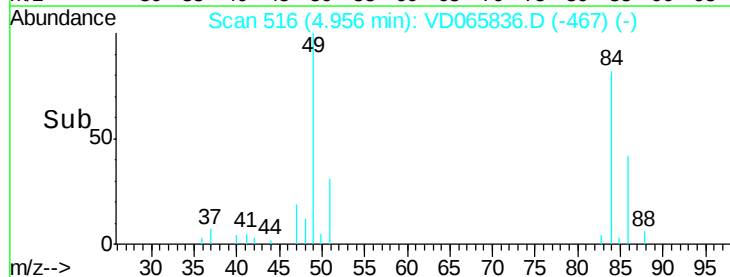
Ion 48.90 (48.60 to 49.60): VDC

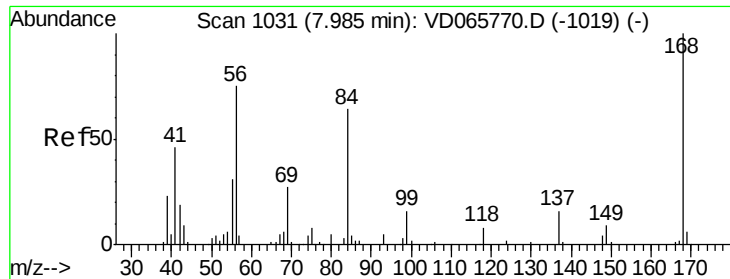
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



Time-->

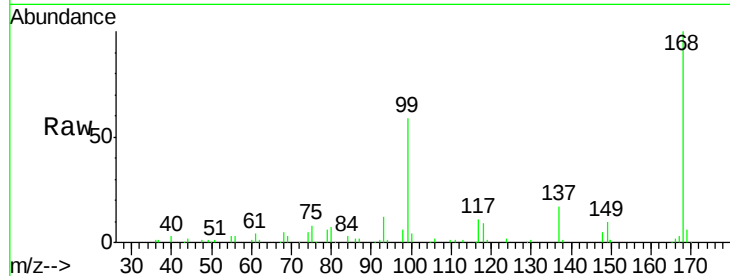




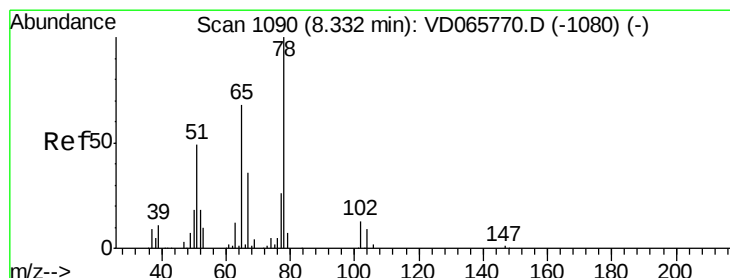
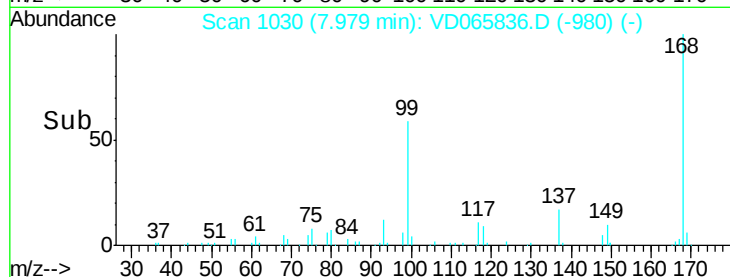
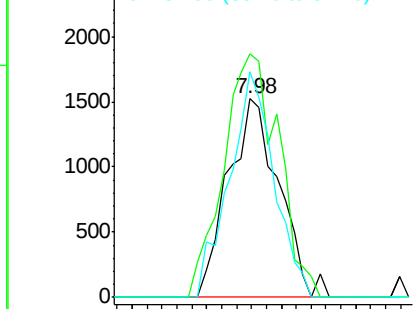
#31
Cyclohexane
Concen: 1.583 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065836.D
Acq: 19 Jun 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
RO-11RE

Tgt Ion: 56 Resp: 3595
Ion Ratio Lower Upper
56 100
69 122.6 28.5 42.7#
84 113.8 68.4 102.6#

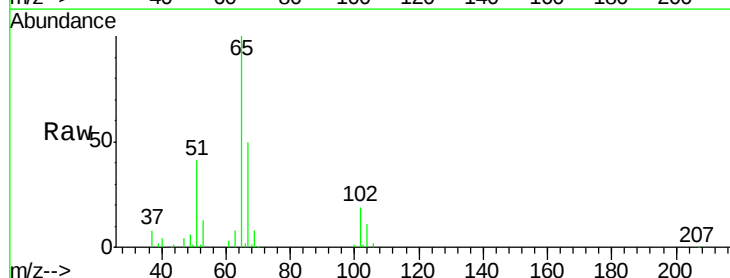


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

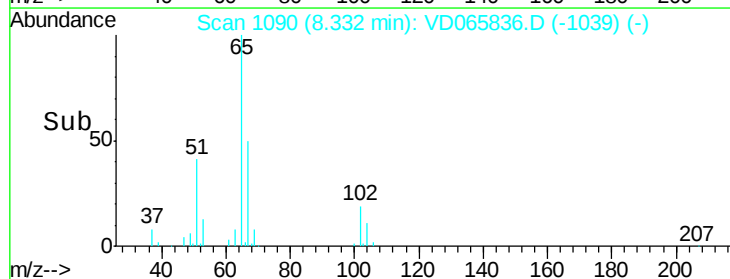
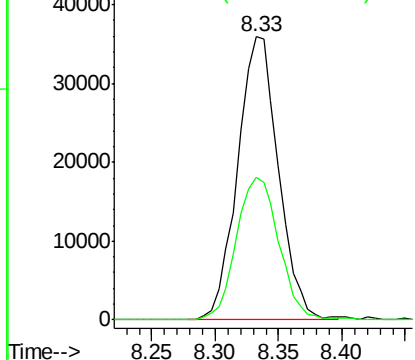


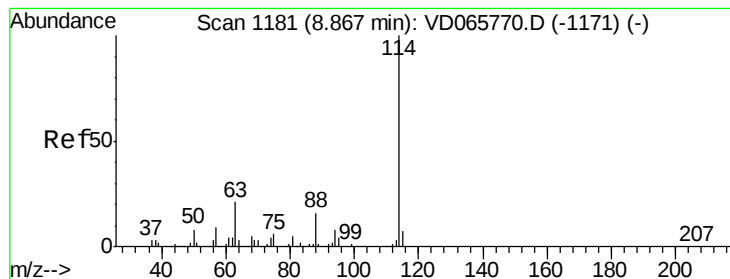
#33
1,2-Dichloroethane-d4
Concen: 63.544 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD065836.D
Acq: 19 Jun 2020 18:41

Tgt Ion: 65 Resp: 80463
Ion Ratio Lower Upper
65 100
67 52.4 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: VD065836.D

Acq: 19 Jun 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

RO-11RE

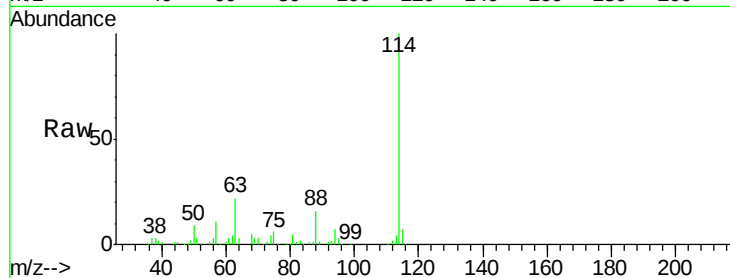
Tgt Ion:114 Resp: 218730

Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.8

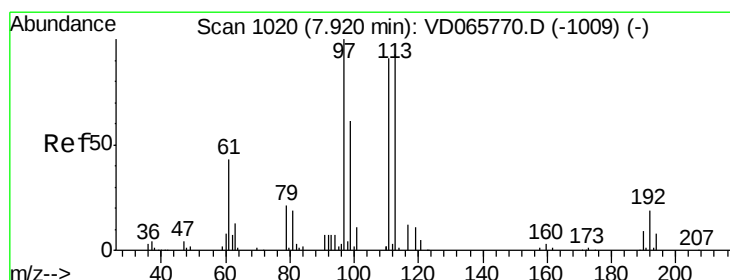
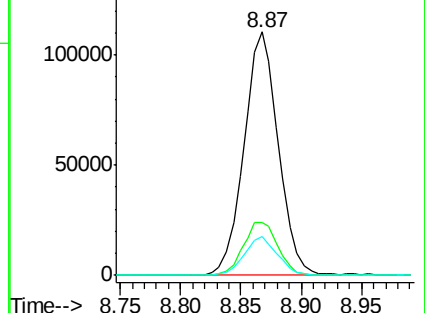
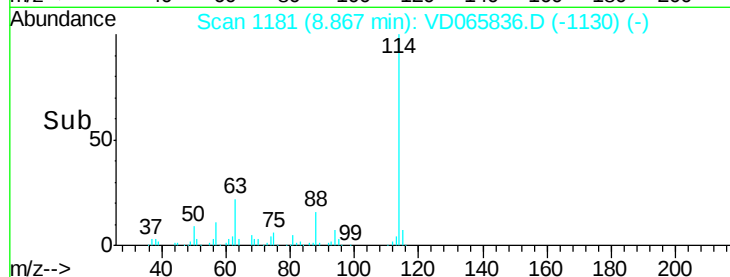
88 16.2 0.0 32.0



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: 57.090 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD065836.D

Acq: 19 Jun 2020 18:41

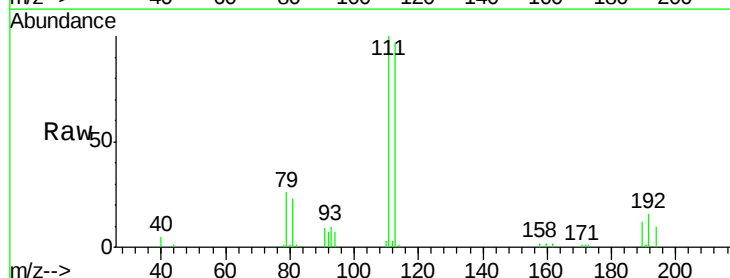
Tgt Ion:113 Resp: 78877

Ion Ratio Lower Upper

113 100

111 102.6 83.4 125.0

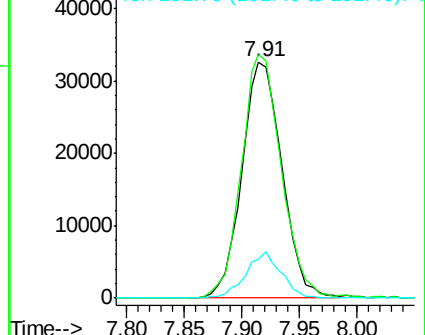
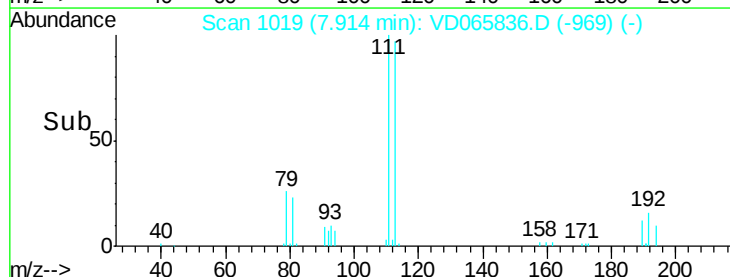
192 17.1 15.7 23.5

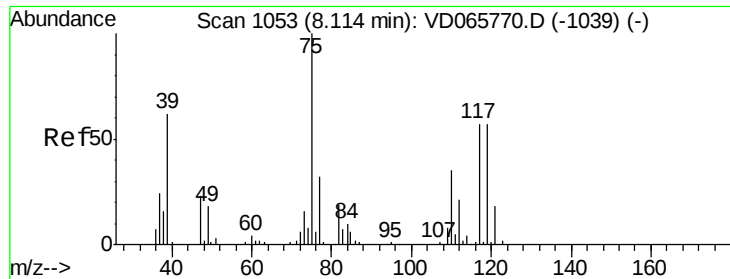


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

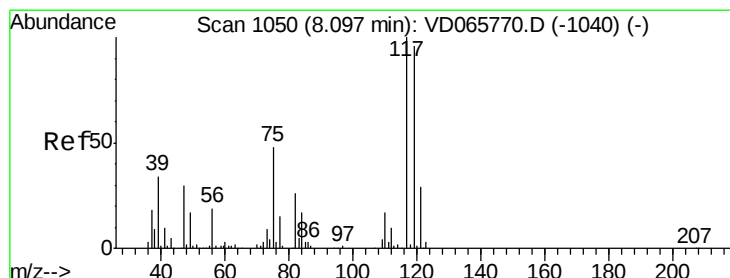
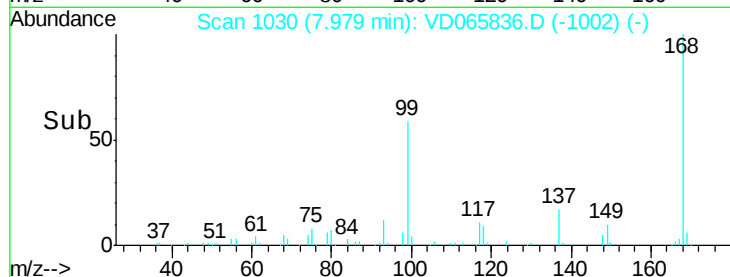
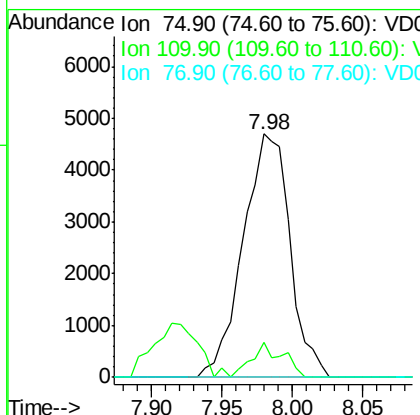
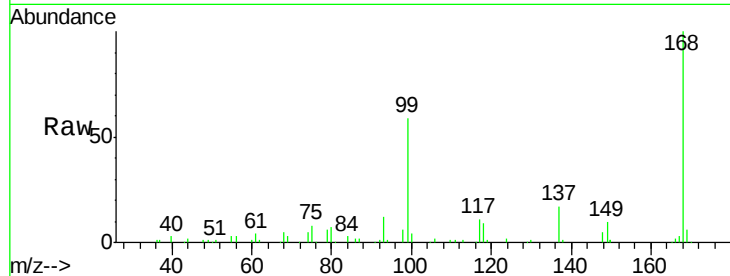




#36
 1,1-Dichloropropene
 Concen: 5.207 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065836.D
 Acq: 19 Jun 2020 18:41

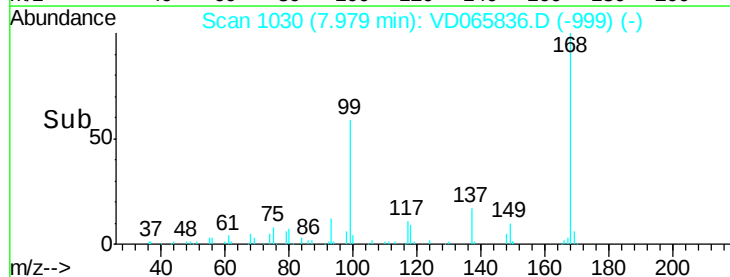
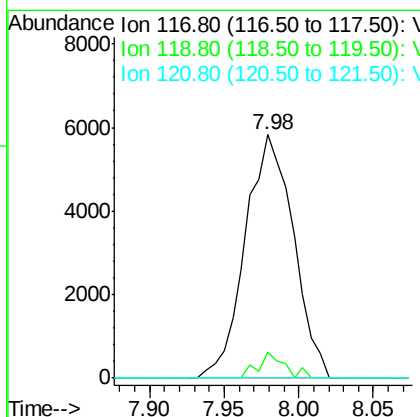
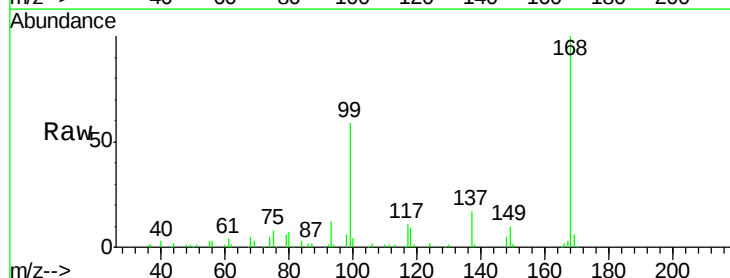
Instrument :
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 RO-11RE

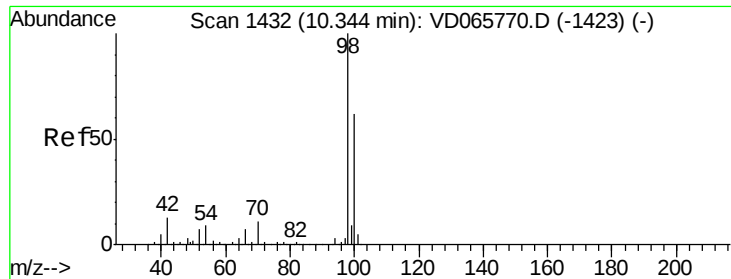
Tgt Ion: 75 Resp: 10910
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.6 52.8#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.908 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065836.D
 Acq: 19 Jun 2020 18:41

Tgt Ion: 117 Resp: 13027
 Ion Ratio Lower Upper
 117 100
 119 10.6 76.8 115.2#
 121 0.0 23.4 35.2#





#50

Toluene-d8

Concen: 51.410 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065836.D

Acq: 19 Jun 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

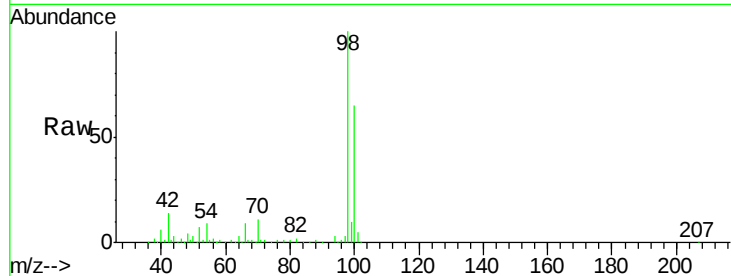
RO-11RE

Tgt Ion: 98 Resp: 264863

Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VD065770.D (-1423) (-)

Ion 100.00 (99.70 to 100.70): VD065770.D (-1423) (-)

10.34

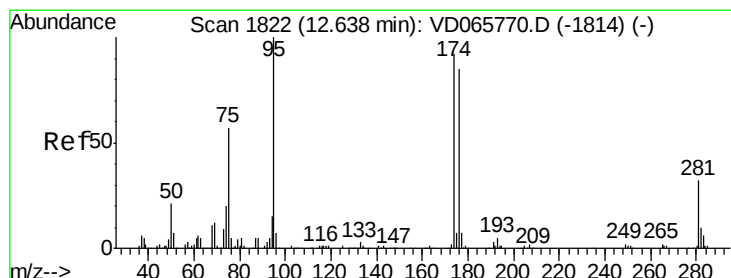
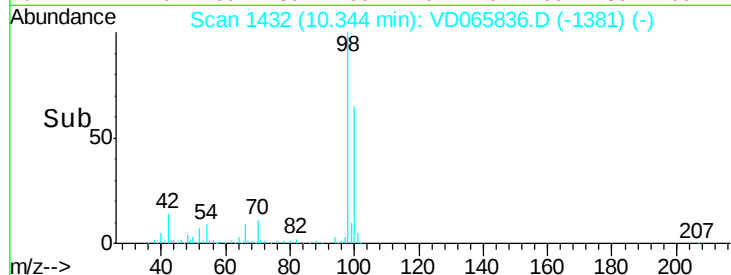
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 39.146 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065836.D

Acq: 19 Jun 2020 18:41

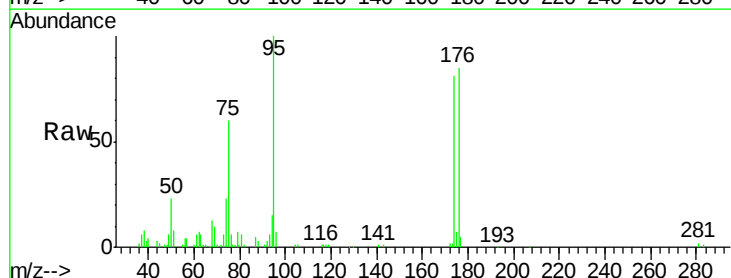
Tgt Ion: 95 Resp: 68396

Ion Ratio Lower Upper

95 100

174 81.9 0.0 175.2

176 79.6 0.0 163.0



Abundance Ion 94.90 (94.60 to 95.60): VD065770.D (-1814) (-)

Ion 173.80 (173.50 to 174.50): VD065770.D (-1814) (-)

Ion 175.80 (175.50 to 176.50): VD065770.D (-1814) (-)

12.64

50000

40000

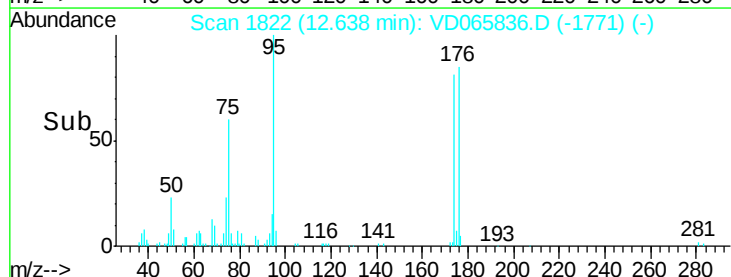
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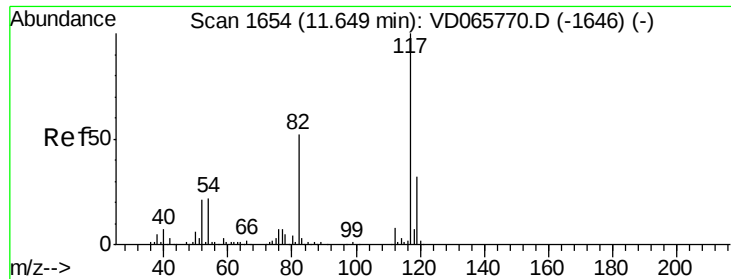
20000

10000

0

Time-->

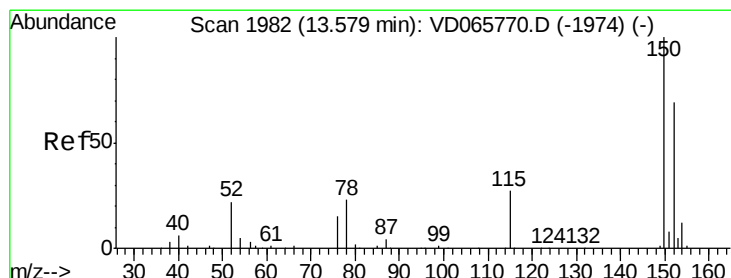
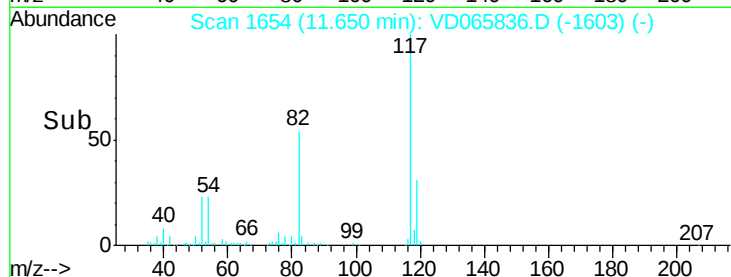
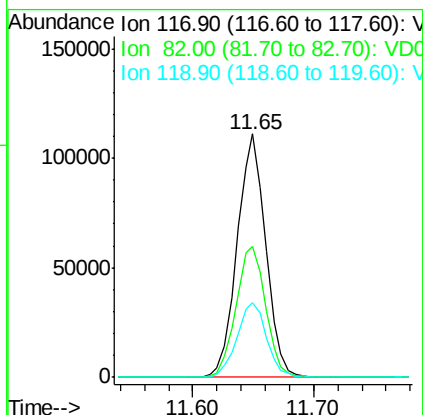
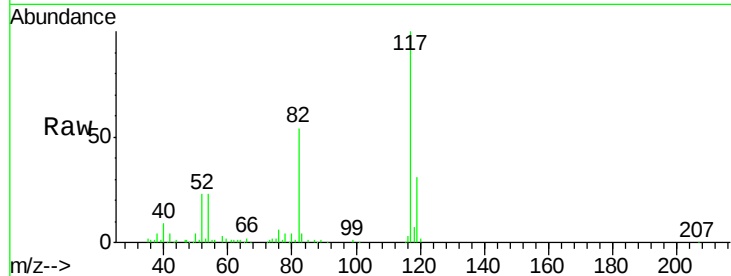




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065836.D
Acq: 19 Jun 2020 18:41

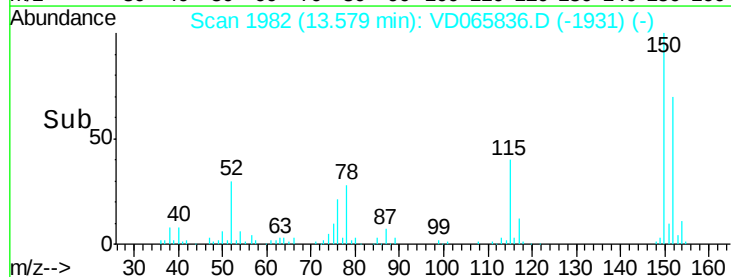
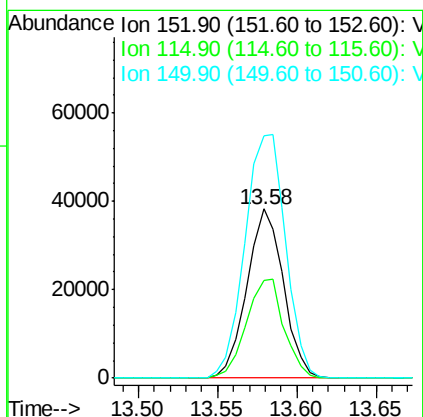
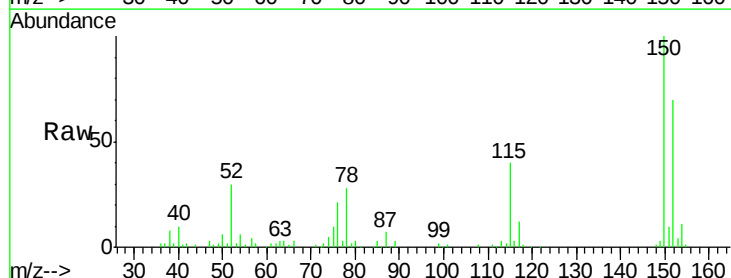
Instrument :
MSVOA_D
ClientSampleId :
RO-11RE

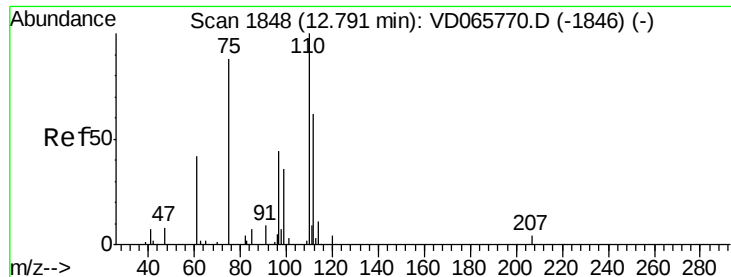
Tgt Ion:117 Resp: 183295
Ion Ratio Lower Upper
117 100
82 53.9 41.9 62.9
119 30.5 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065836.D
Acq: 19 Jun 2020 18:41

Tgt Ion:152 Resp: 61265
Ion Ratio Lower Upper
152 100
115 60.4 28.7 86.1
150 160.4 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 82.608 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065836.D

Acq: 19 Jun 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

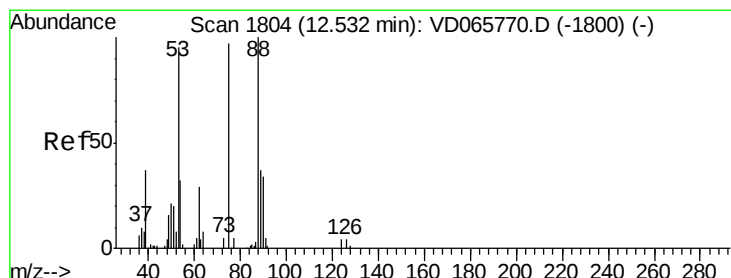
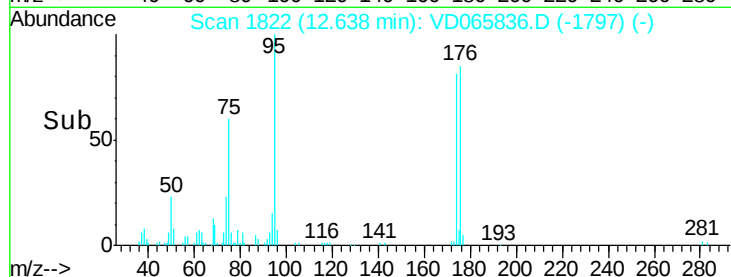
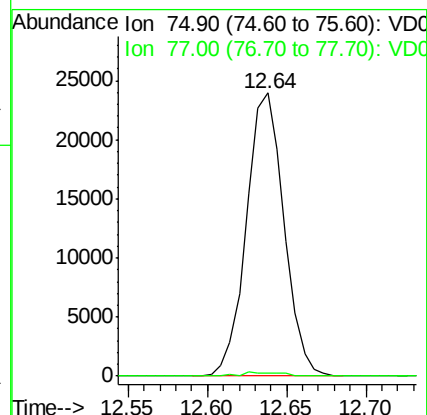
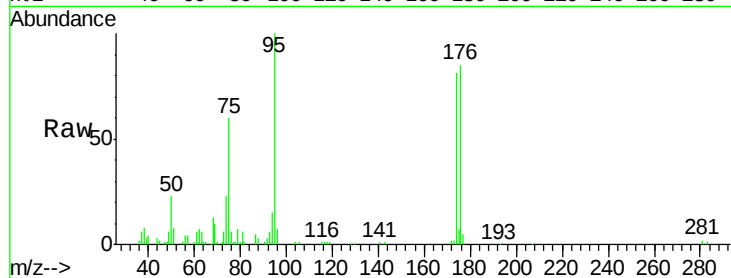
RO-11RE

Tgt Ion: 75 Resp: 39360

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 178.485 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065836.D

Acq: 19 Jun 2020 18:41

Tgt Ion: 75 Resp: 39360

Ion Ratio Lower Upper

75 100

53 0.0 82.6 123.8#

89 0.0 35.9 53.9#

