

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD061920\
 Data File : VD065833.D
 Acq On : 19 Jun 2020 17:20
 Operator : VA/SY
 Sample : L3024-13RE
 Misc : 6.21G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-1RE

Quant Time: Jun 20 01:27:10 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	7.98	168	140344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	249465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	207870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	74704	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	83142	59.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	119.90%	
35) Dibromofluoromethane	7.93	113	4324	2.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	5.48%	
50) Toluene-d8	10.34	98	282506	48.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.16%	
62) 4-Bromofluorobenzene	12.64	95	72211	36.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	72.48%	

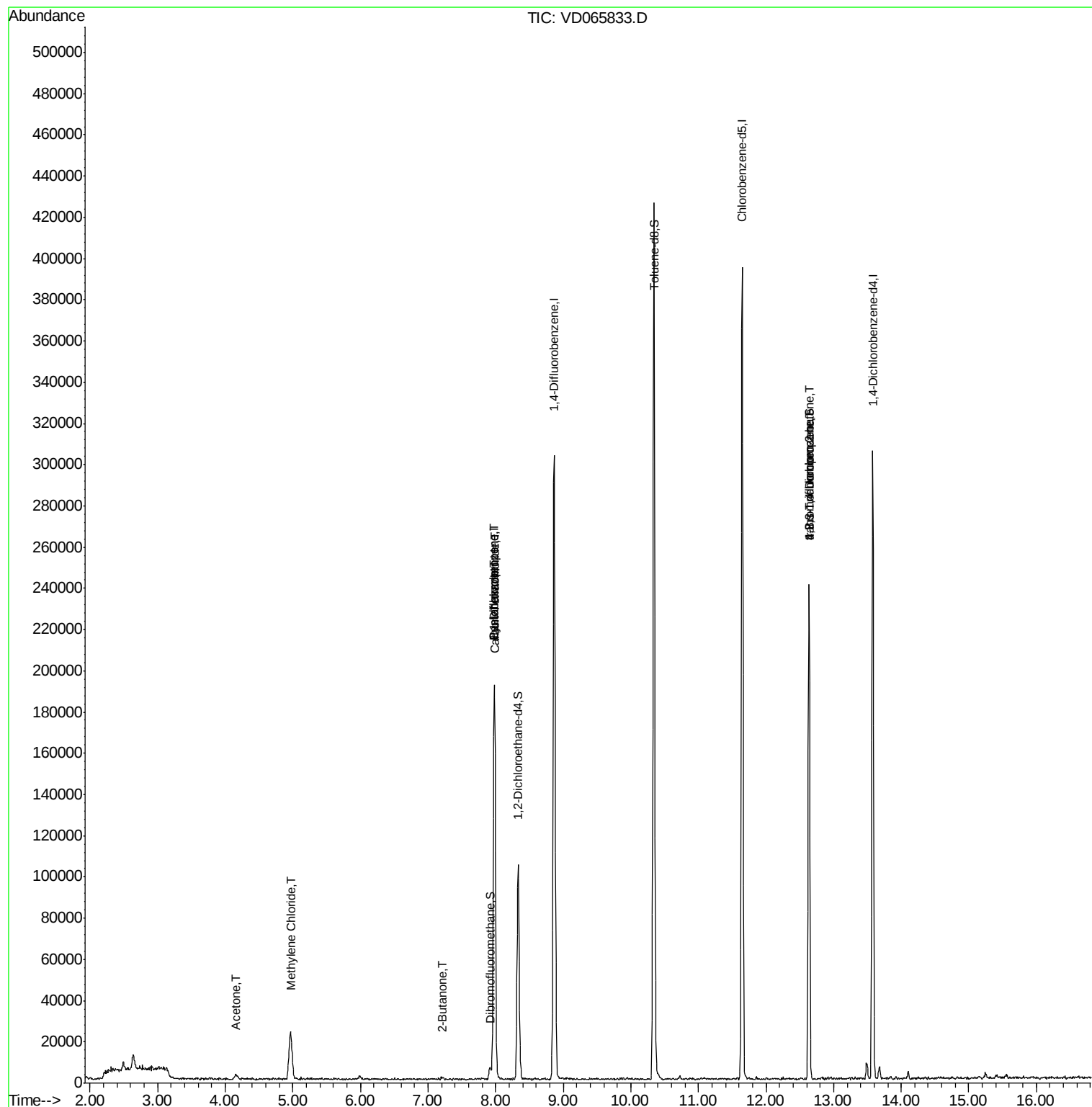
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	392	Below Cal	#	43
16) Acetone	4.16	43	4583	17.520	ug/l	97
18) Methyl Acetate	4.55	43	61	Below Cal	#	52
20) Methylene Chloride	4.97	84	17615	9.034	ug/l	94
25) 2-Butanone	7.22	43	486	1.345	ug/l #	52
31) Cyclohexane	7.98	56	3897	1.567	ug/l #	52
36) 1,1-Dichloropropene	7.98	75	12540	5.248	ug/l #	51
38) Carbon Tetrachloride	7.99	117	14163	5.632	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	41691	71.759	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	41691	155.045	ug/l #	9

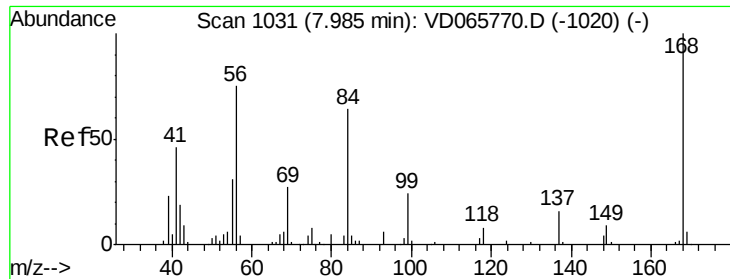
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065833.D

Acq: 19 Jun 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

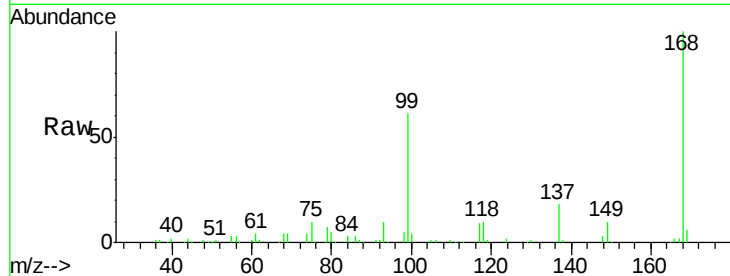
RO-1RE

Tgt Ion:168 Resp: 140344

Ion Ratio Lower Upper

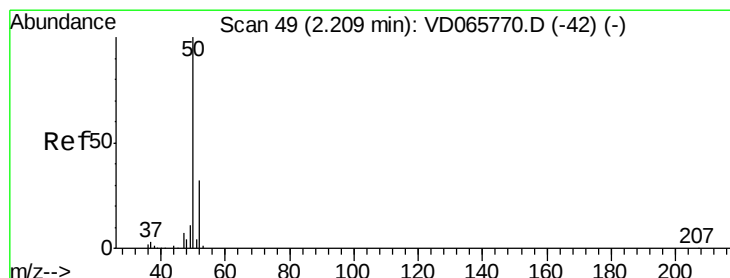
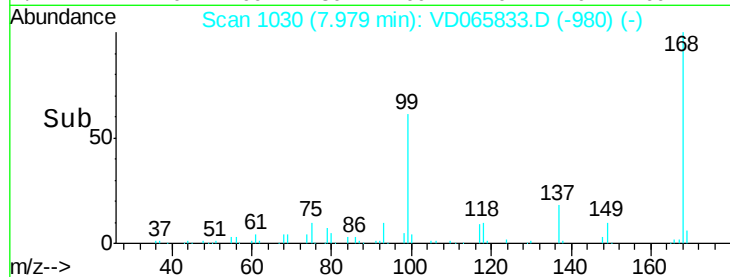
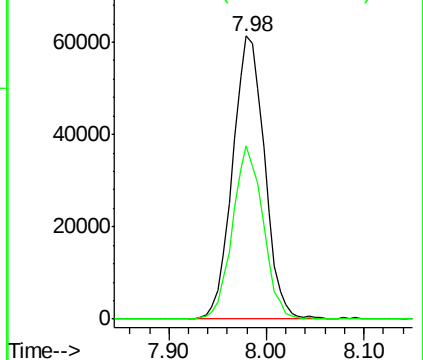
168 100

99 61.3 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: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065833.D

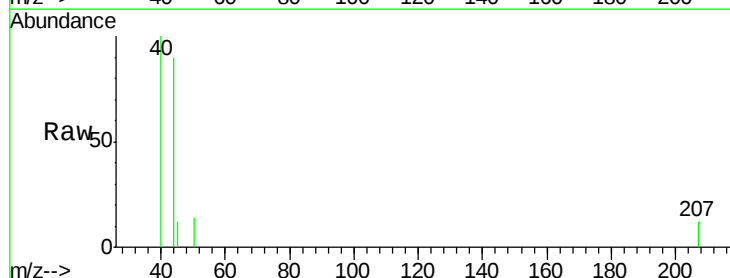
Acq: 19 Jun 2020 17:20

Tgt Ion: 50 Resp: 392

Ion Ratio Lower Upper

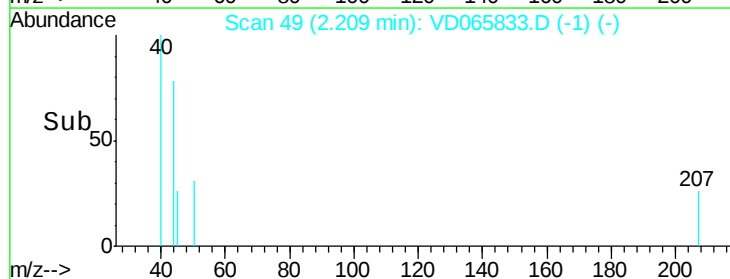
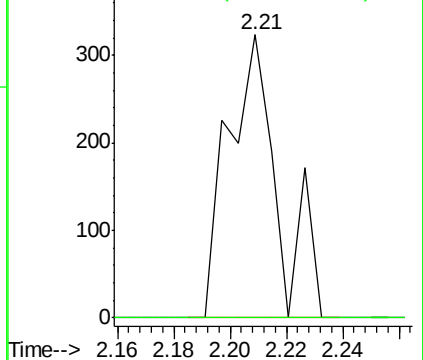
50 100

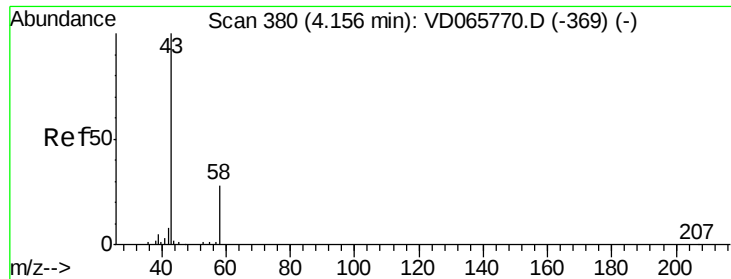
52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#16

Acetone

Concen: 17.520 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065833.D

Acq: 19 Jun 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

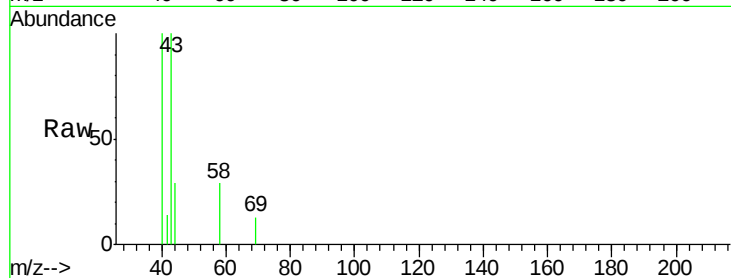
RO-1RE

Tgt Ion: 43 Resp: 4583

Ion Ratio Lower Upper

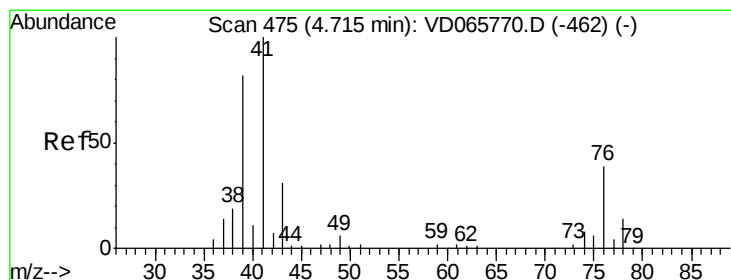
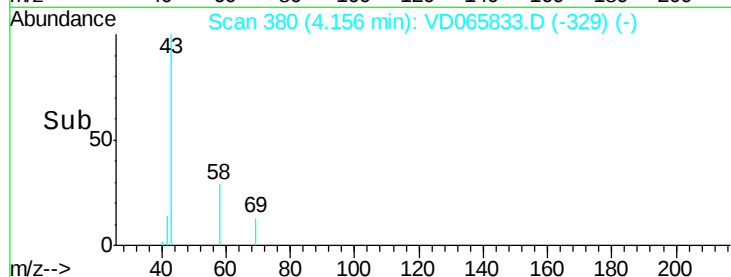
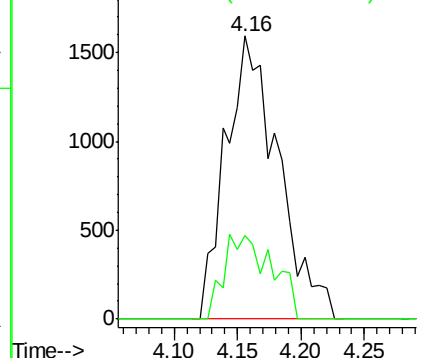
43 100

58 29.4 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: 4.55 min Scan# 447

Delta R.T. -0.16 min

Lab File: VD065833.D

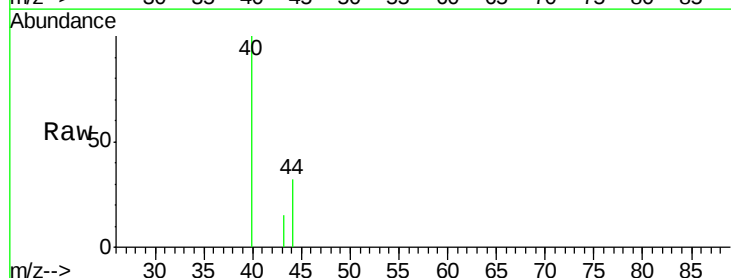
Acq: 19 Jun 2020 17:20

Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

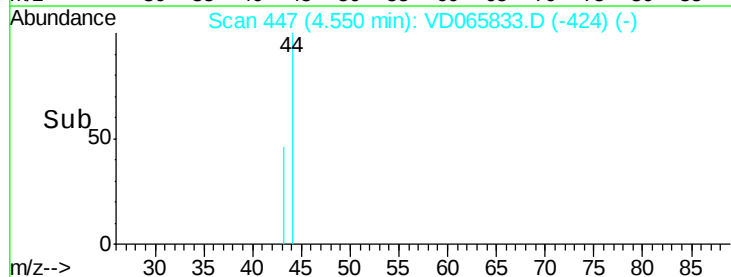
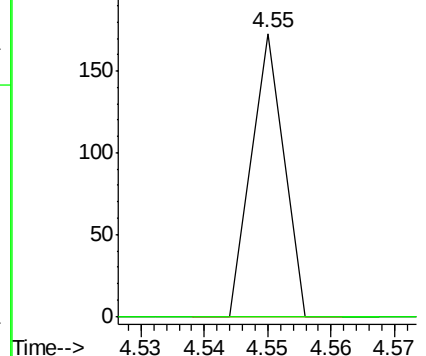
43 100

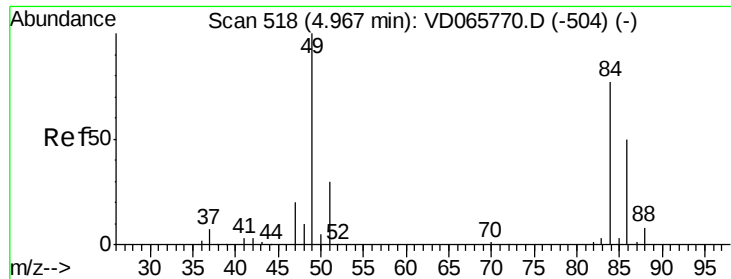
74 0.0 18.7 28.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

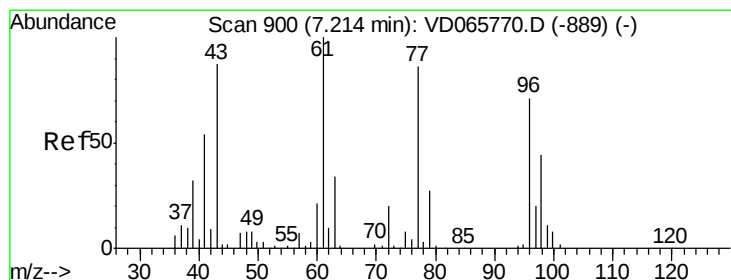
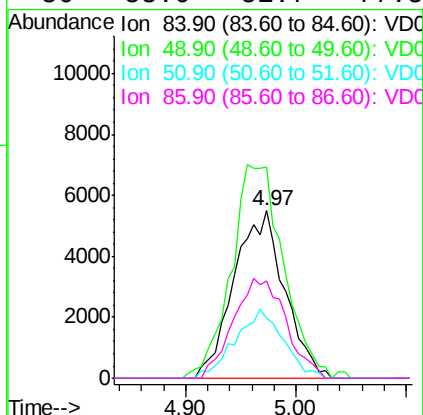
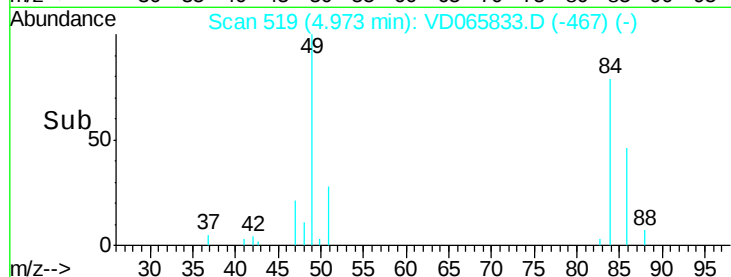
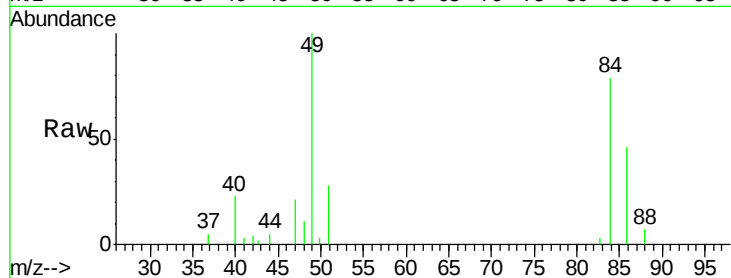




#20
Methylene Chloride
Concen: 9.034 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065833.D
Acq: 19 Jun 2020 17:20

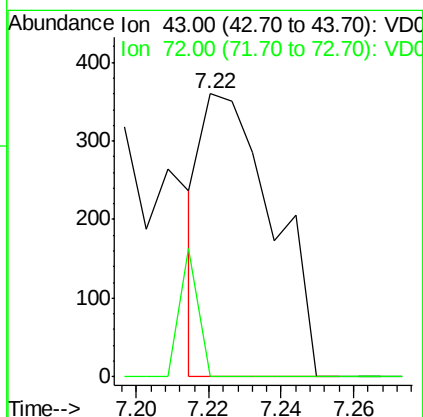
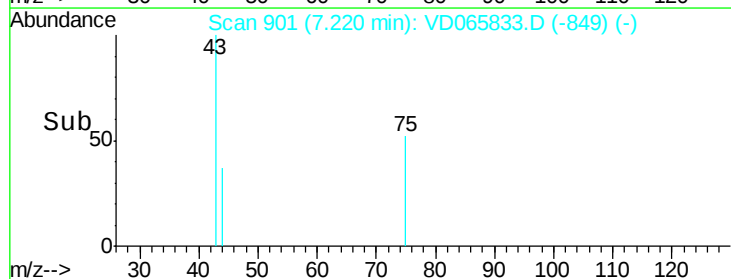
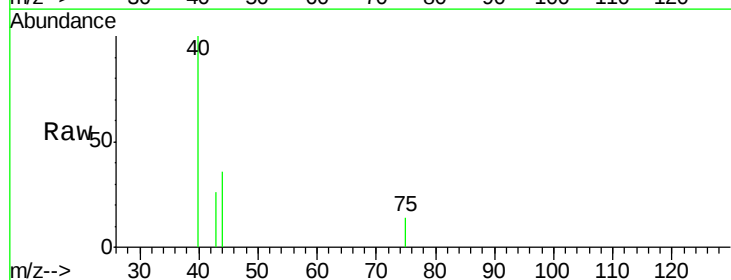
Instrument :
MSVOA_D
ClientSampleId :
RO-1RE

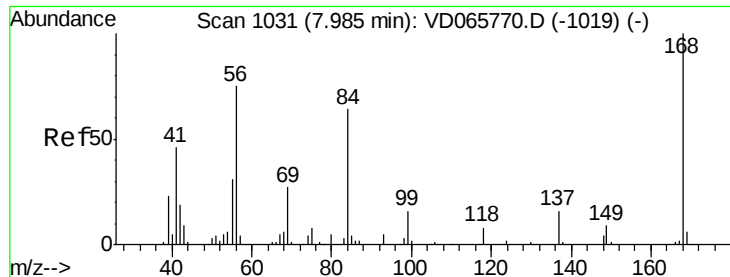
Tgt Ion: 84 Resp: 17615
Ion Ratio Lower Upper
84 100
49 123.3 103.4 155.0
51 35.7 31.4 47.2
86 58.0 51.7 77.5



#25
2-Butanone
Concen: 1.345 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD065833.D
Acq: 19 Jun 2020 17:20

Tgt Ion: 43 Resp: 486
Ion Ratio Lower Upper
43 100
72 0.0 18.5 27.7#

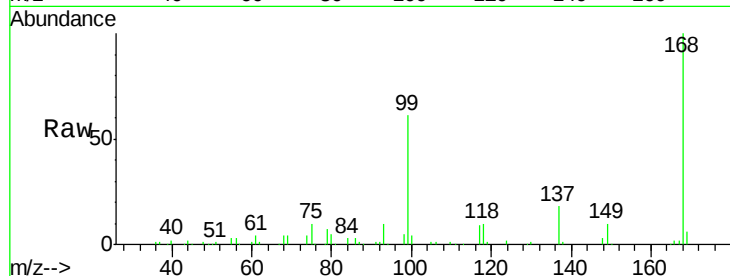




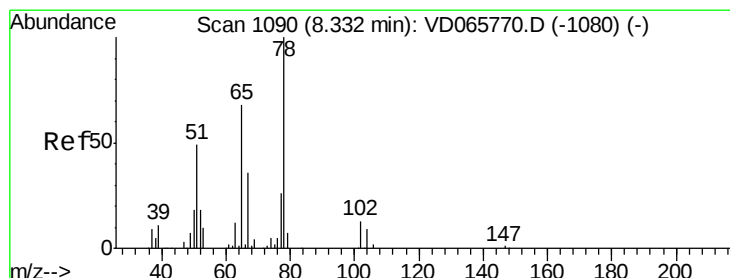
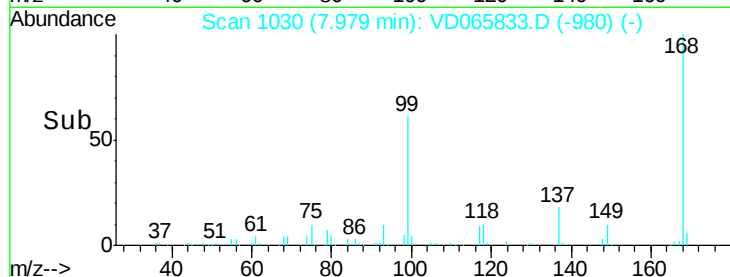
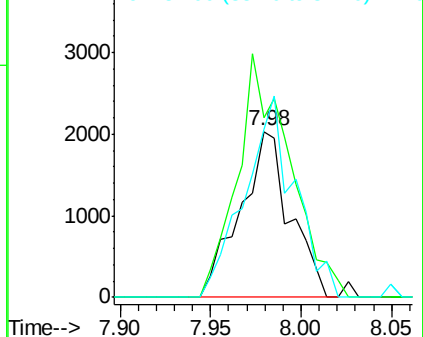
#31
Cyclohexane
Concen: 1.567 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065833.D
Acq: 19 Jun 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
RO-1RE

Tgt Ion: 56 Resp: 3897
Ion Ratio Lower Upper
56 100
69 108.5 28.5 42.7#
84 100.9 68.4 102.6

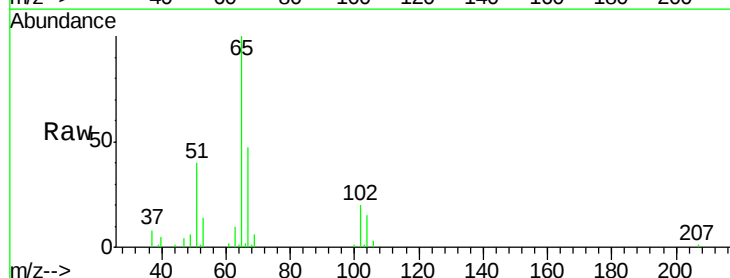


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

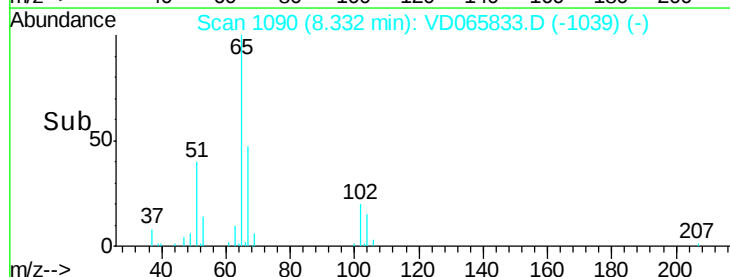
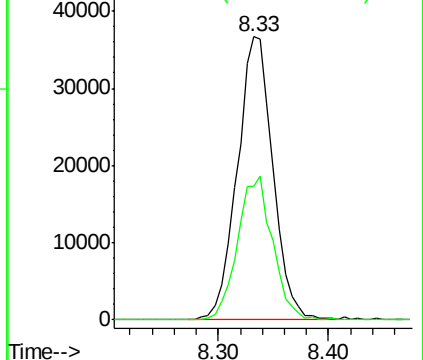


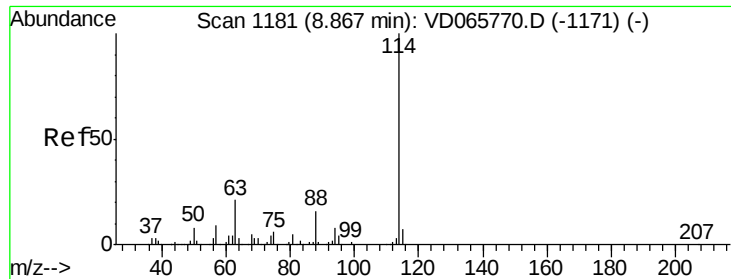
#33
1,2-Dichloroethane-d4
Concen: 59.953 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD065833.D
Acq: 19 Jun 2020 17:20

Tgt Ion: 65 Resp: 83142
Ion Ratio Lower Upper
65 100
67 49.7 0.0 103.6



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

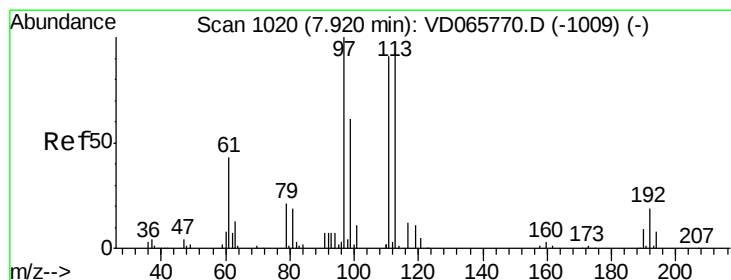
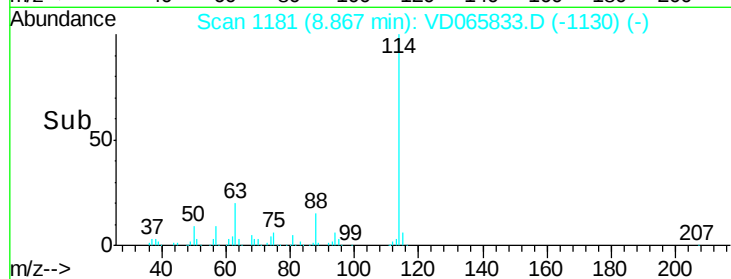
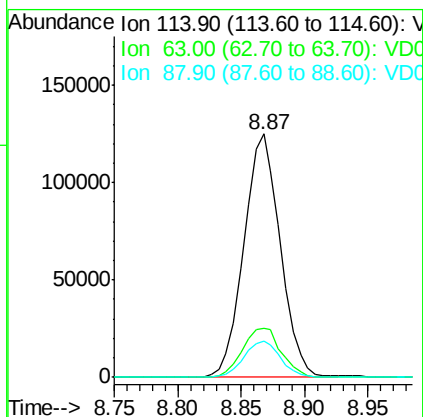
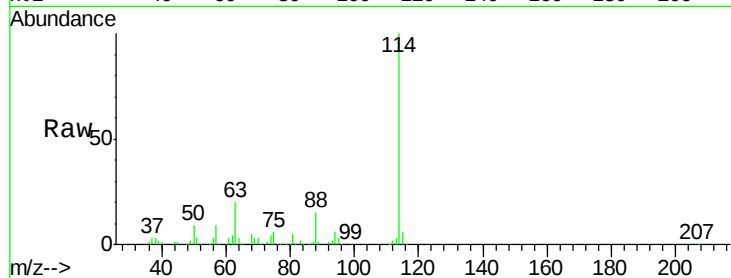




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065833.D
 Acq: 19 Jun 2020 17:20

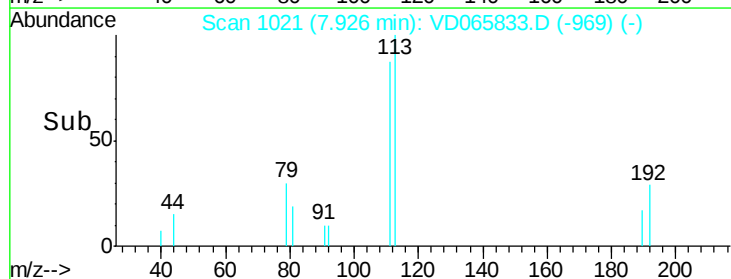
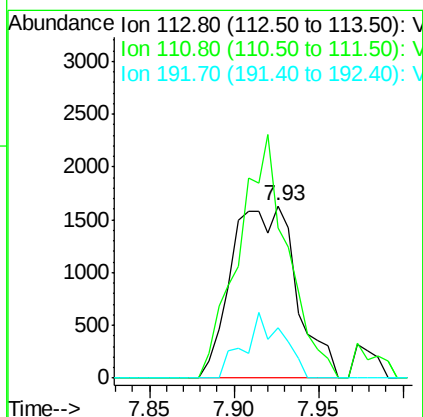
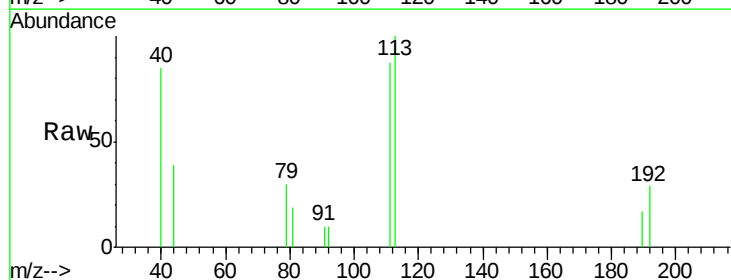
Instrument :
 MSVOA_D
 ClientSampleId :
 RO-1RE

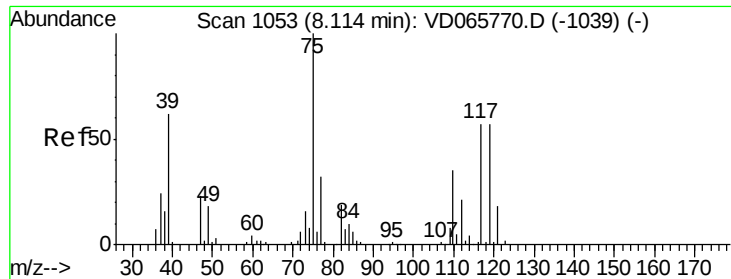
Tgt Ion:114 Resp: 249465
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.8
 88 15.1 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 2.744 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD065833.D
 Acq: 19 Jun 2020 17:20

Tgt Ion:113 Resp: 4324
 Ion Ratio Lower Upper
 113 100
 111 108.2 83.4 125.0
 192 22.6 15.7 23.5

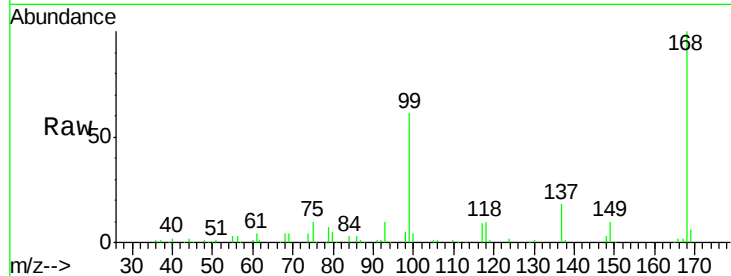




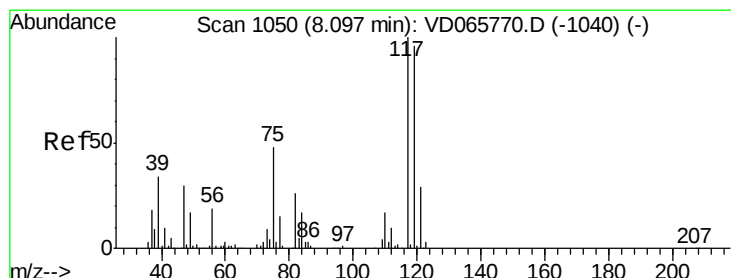
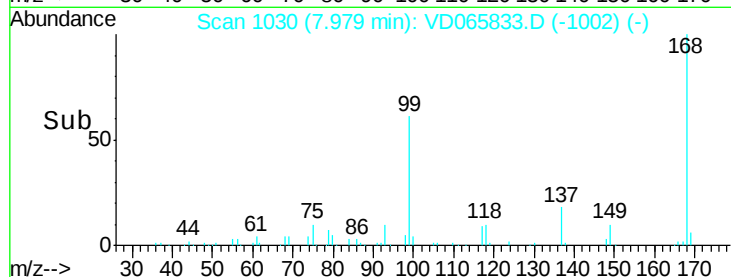
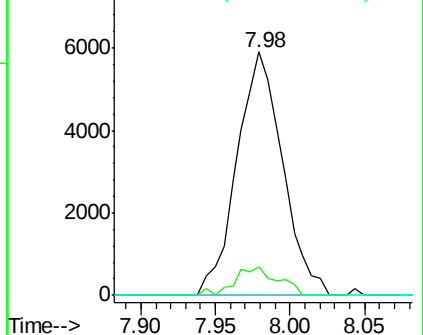
#36
 1,1-Dichloropropene
 Concen: 5.248 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065833.D
 Acq: 19 Jun 2020 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-1RE

Tgt Ion: 75 Resp: 12540
 Ion Ratio Lower Upper
 75 100
 110 11.0 17.6 52.8#
 77 0.0 25.1 37.7#

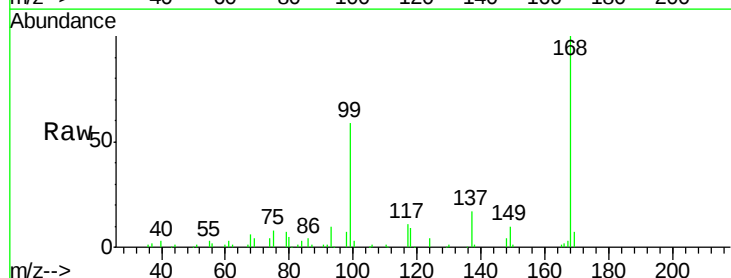


Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

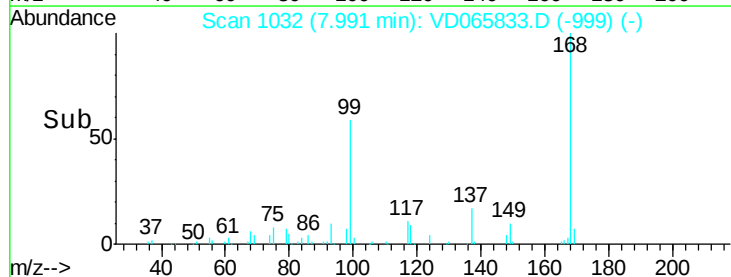
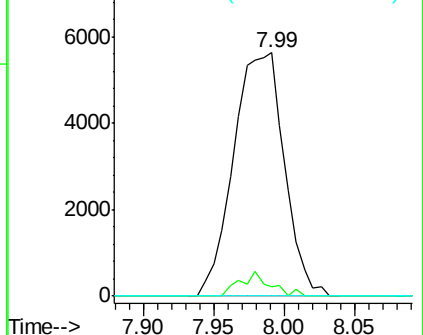


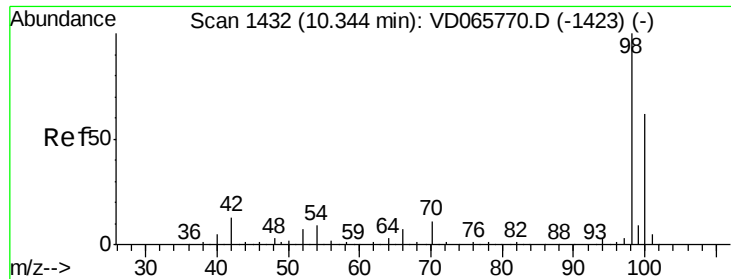
#38
 Carbon Tetrachloride
 Concen: 5.632 ug/l
 RT: 7.99 min Scan# 1032
 Delta R.T. -0.11 min
 Lab File: VD065833.D
 Acq: 19 Jun 2020 17:20

Tgt Ion: 117 Resp: 14163
 Ion Ratio Lower Upper
 117 100
 119 3.8 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: 48.079 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065833.D

Acq: 19 Jun 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

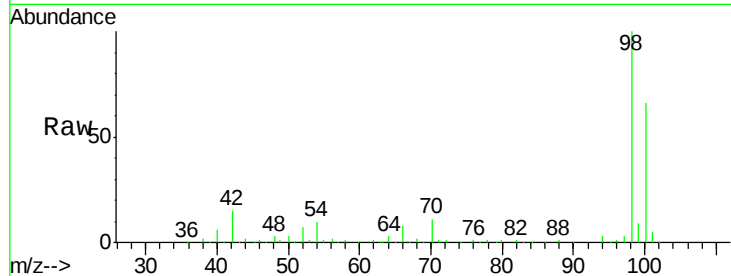
RO-1RE

Tgt Ion: 98 Resp: 282506

Ion Ratio Lower Upper

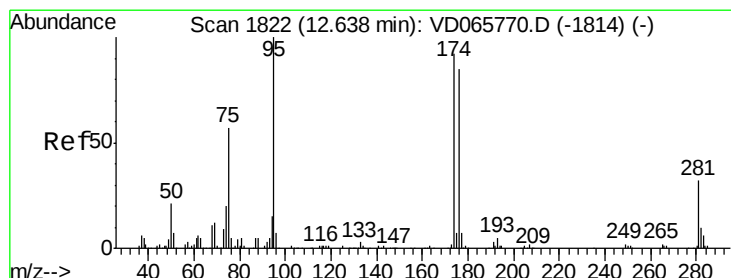
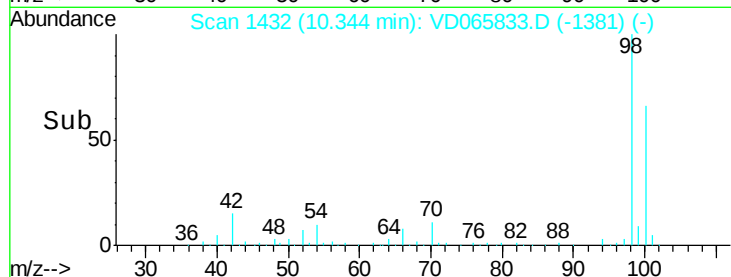
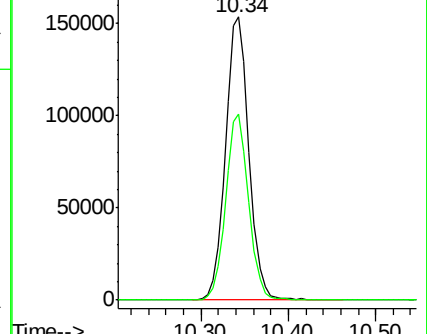
98 100

100 64.6 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 36.238 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065833.D

Acq: 19 Jun 2020 17:20

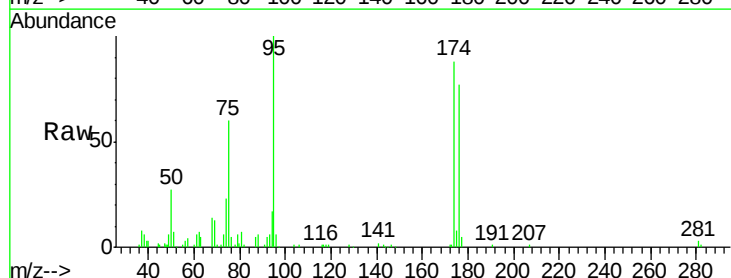
Tgt Ion: 95 Resp: 72211

Ion Ratio Lower Upper

95 100

174 83.1 0.0 175.2

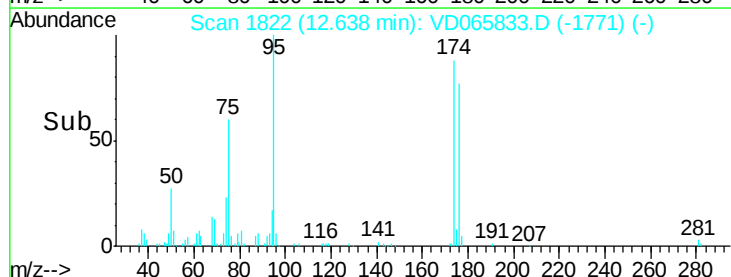
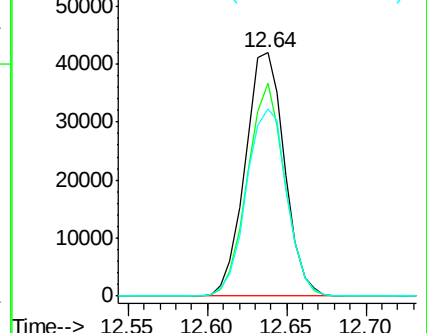
176 79.1 0.0 163.0

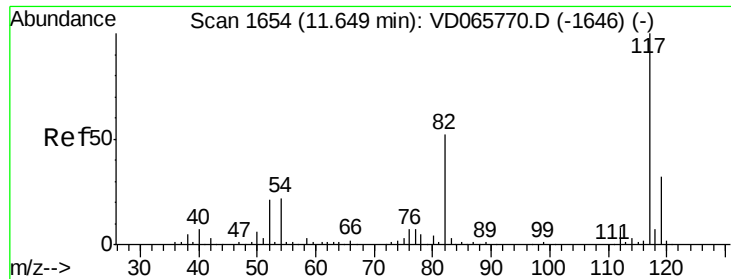


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

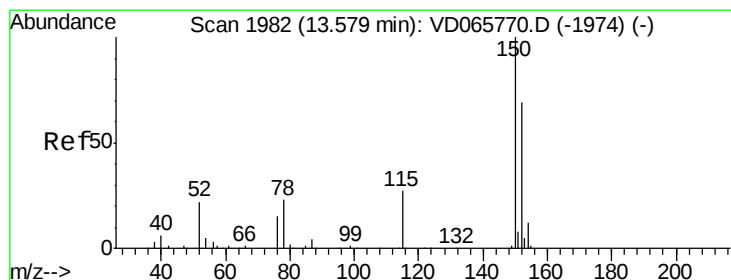
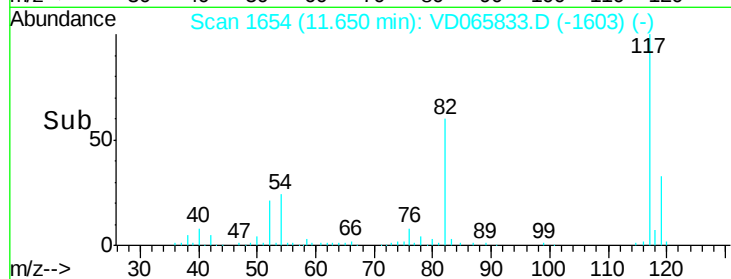
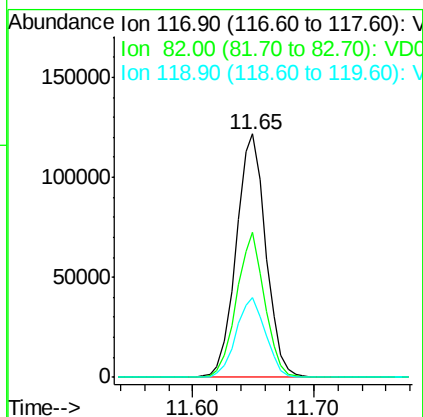
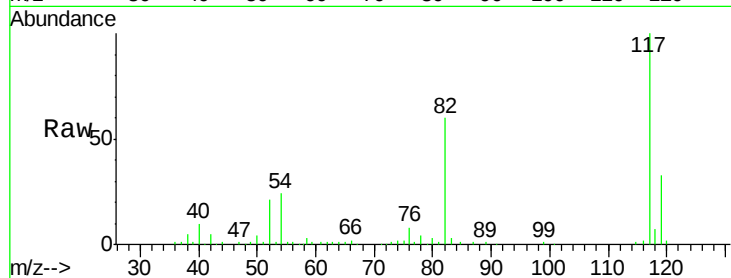




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065833.D
Acq: 19 Jun 2020 17:20

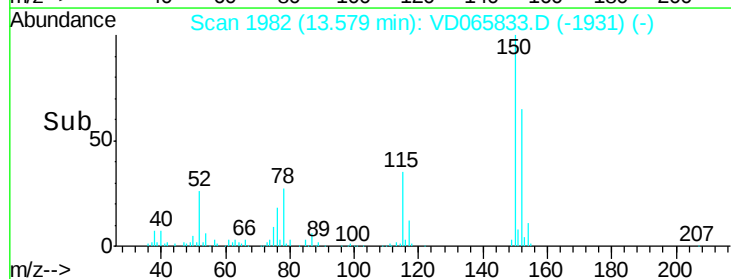
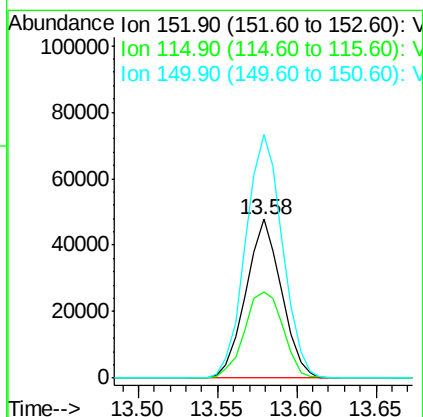
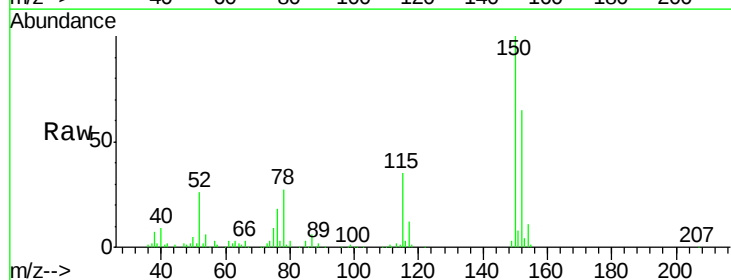
Instrument :
MSVOA_D
ClientSampleId :
RO-1RE

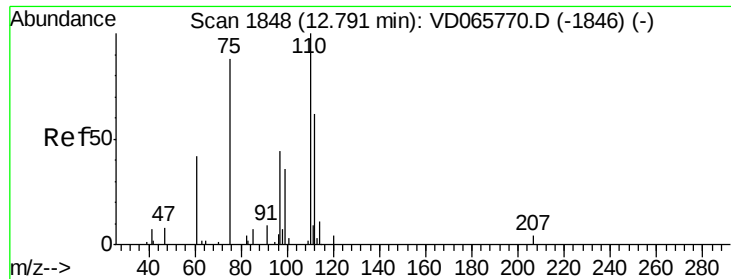
Tgt Ion:117 Resp: 207870
Ion Ratio Lower Upper
117 100
82 59.7 41.9 62.9
119 32.8 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065833.D
Acq: 19 Jun 2020 17:20

Tgt Ion:152 Resp: 74704
Ion Ratio Lower Upper
152 100
115 59.0 28.7 86.1
150 158.6 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 71.759 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065833.D

Acq: 19 Jun 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

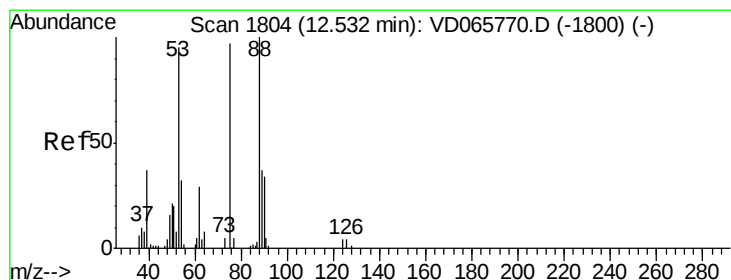
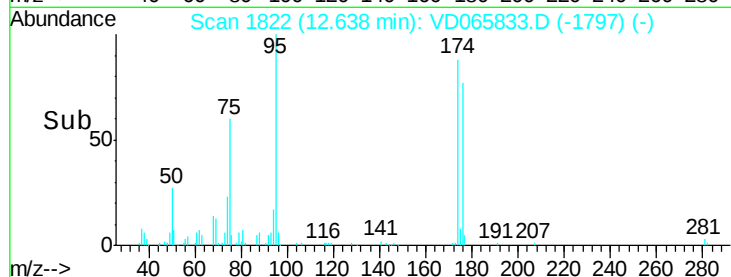
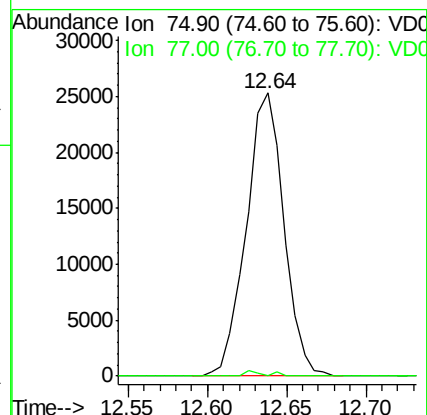
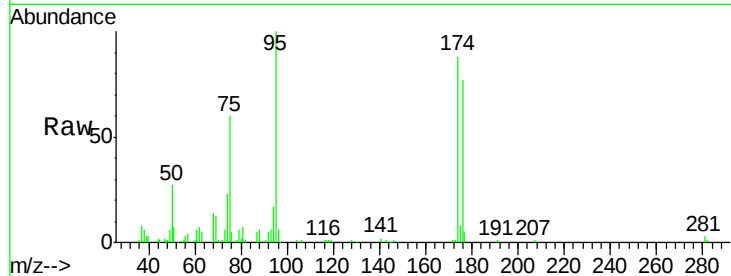
RO-1RE

Tgt Ion: 75 Resp: 41691

Ion Ratio Lower Upper

75 100

77 0.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 155.045 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065833.D

Acq: 19 Jun 2020 17:20

Tgt Ion: 75 Resp: 41691

Ion Ratio Lower Upper

75 100

53 0.0 82.6 123.8#

89 0.0 35.9 53.9#

