

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061820\
 Data File : VD065810.D
 Acq On : 18 Jun 2020 16:07
 Operator : VA/SY
 Sample : L2812-06RE
 Misc : 6.28G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-03-061720RE

Quant Time: Jun 19 01:02:49 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	134860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	247561	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	168322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	42511	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	79877	59.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	119.88%	
35) Dibromofluoromethane	7.91	113	80569	51.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.04%	
50) Toluene-d8	10.34	98	234194	40.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	80.32%	
62) 4-Bromofluorobenzene	12.64	95	51770	26.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	52.36%	

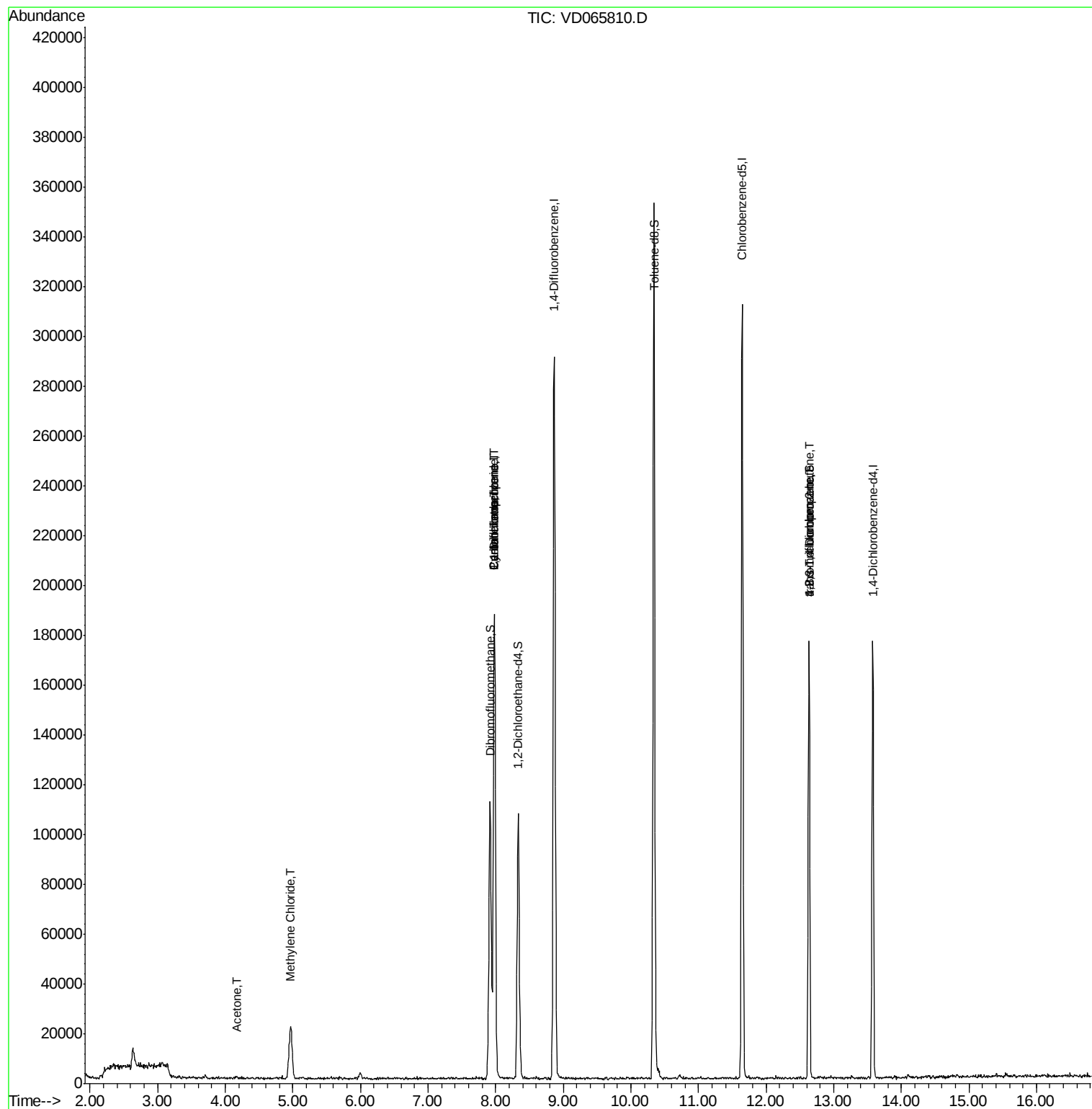
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	87	Below Cal	#	43
11) Tert butyl alcohol	5.18	59	75	Below Cal	#	74
16) Acetone	4.17	43	1423	5.661	ug/l	91
18) Methyl Acetate	4.73	43	69	Below Cal	#	52
20) Methylene Chloride	4.97	84	15705	8.030	ug/l	# 96
31) Cyclohexane	7.98	56	3692	1.545	ug/l	# 1
36) 1,1-Dichloropropene	7.98	75	11228	4.735	ug/l	# 49
38) Carbon Tetrachloride	7.98	117	13993	5.607	ug/l	# 16
76) 1,2,3-Trichloropropane	12.64	75	30086	91.000	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	30086	196.617	ug/l	# 9

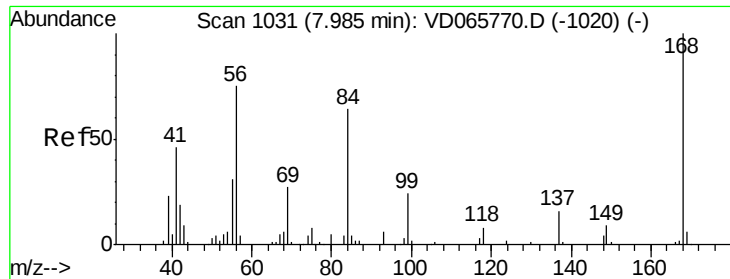
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065810.D

Acq: 18 Jun 2020 16:07

Instrument :

MSVOA_D

ClientSampleId :

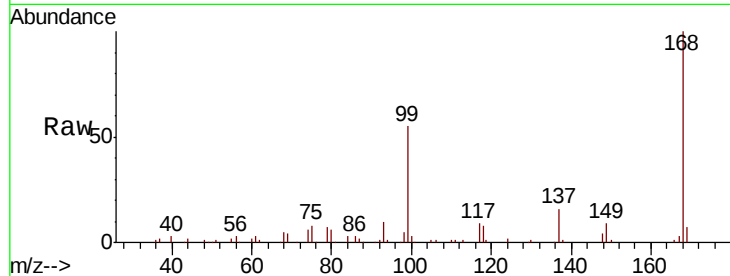
OK-03-061720RE

Tot Ion:168 Resp: 134860

Ion Ratio Lower Upper

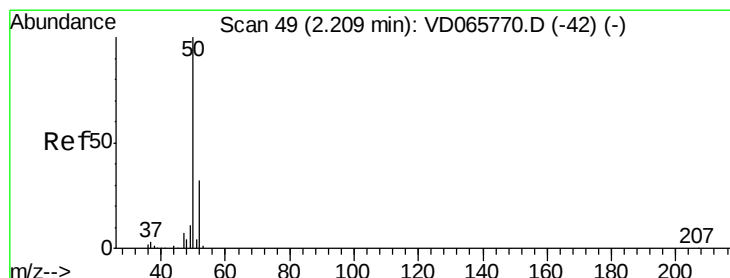
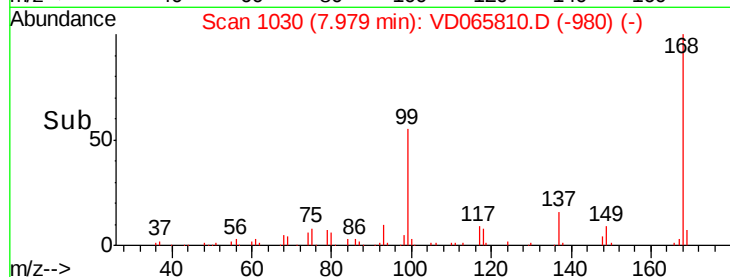
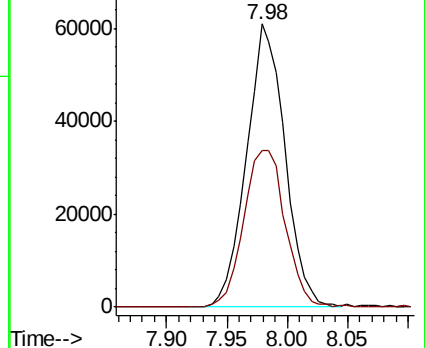
168 100

99 55.2 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: 2.20 min Scan# 47

Delta R.T. -0.01 min

Lab File: VD065810.D

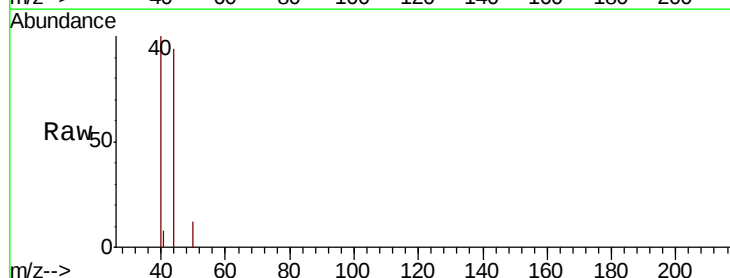
Acq: 18 Jun 2020 16:07

Tgt Ion: 50 Resp: 87

Ion Ratio Lower Upper

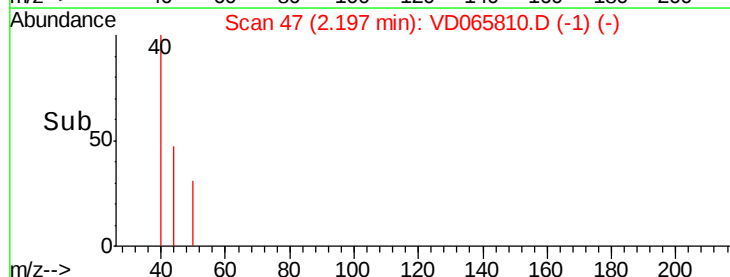
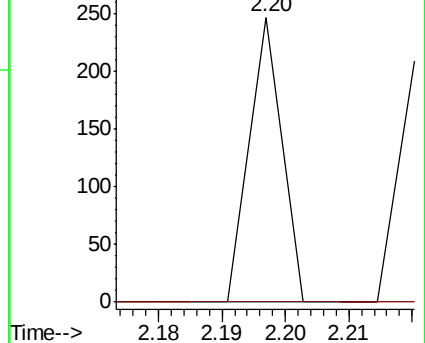
50 100

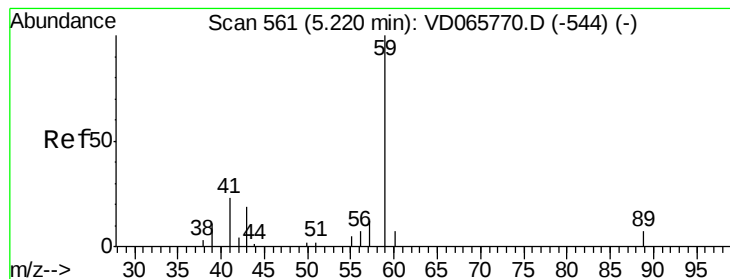
52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



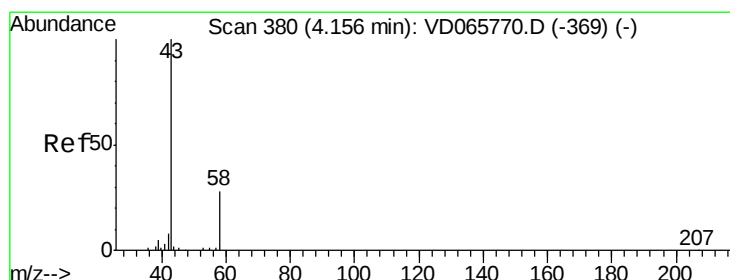
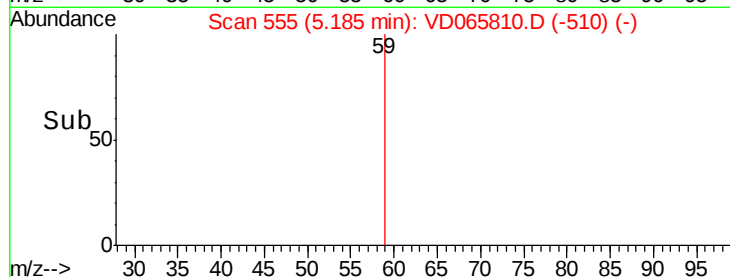
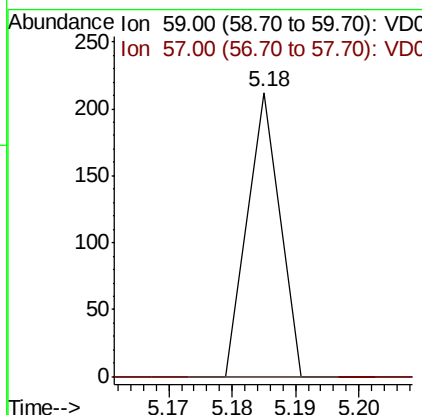
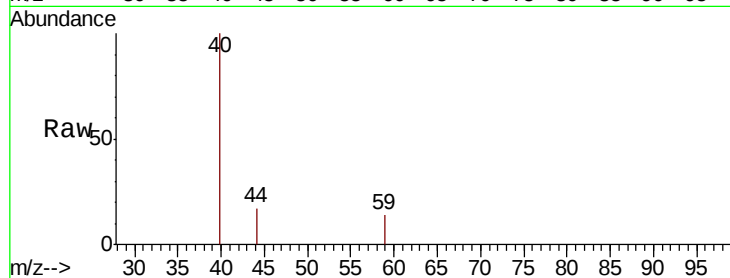


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 555
 Delta R.T. -0.04 min
 Lab File: VD065810.D
 Acq: 18 Jun 2020 16:07

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-03-061720RE

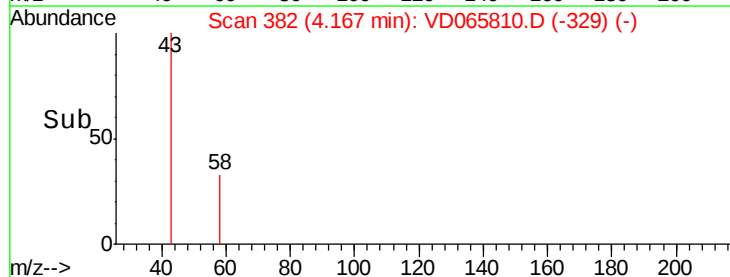
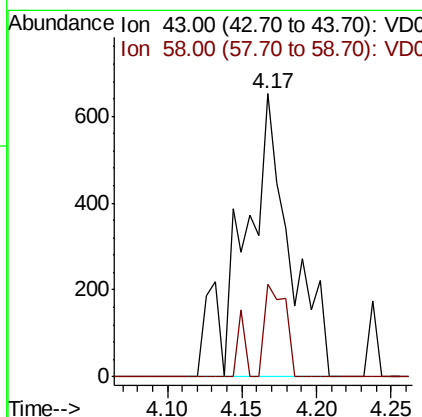
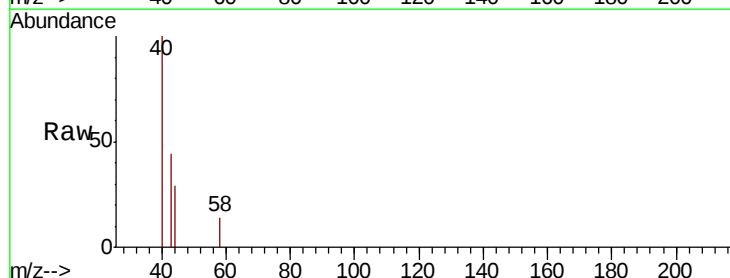
Tot Ion: 59 Resp: 75
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.5 11.3#

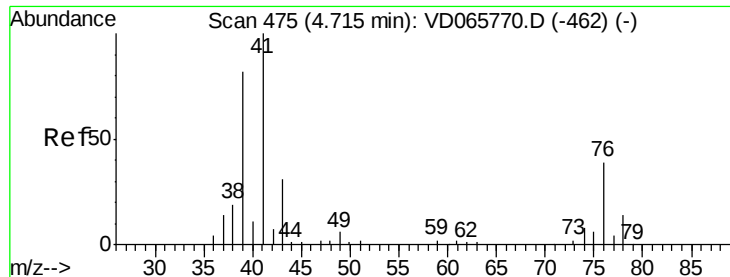


#16

Acetone
 Concen: 5.661 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD065810.D
 Acq: 18 Jun 2020 16:07

Tgt Ion: 43 Resp: 1423
 Ion Ratio Lower Upper
 43 100
 58 32.8 22.3 33.5





#18

Methyl Acetate

Concen: Below Cal

RT: 4.73 min Scan# 478

Delta R.T. 0.02 min

Lab File: VD065810.D

Acq: 18 Jun 2020 16:07

Instrument :

MSVOA_D

ClientSampleId :

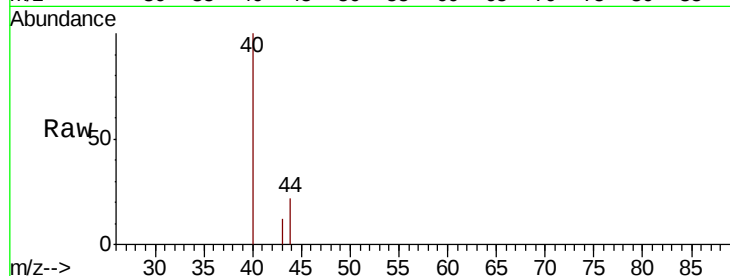
OK-03-061720RE

Tot Ion: 43 Resp: 69

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

4.73

200

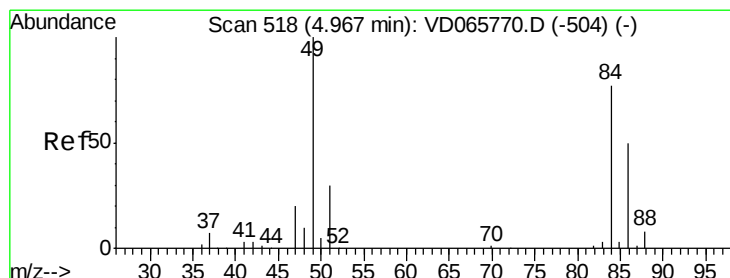
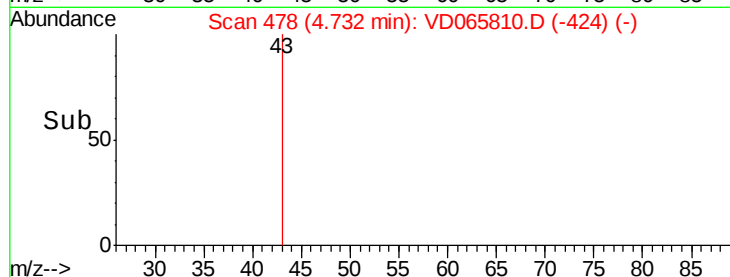
150

100

50

0

Time--> 4.71 4.72 4.73 4.74 4.75



#20

Methylene Chloride

Concen: 8.030 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD065810.D

Acq: 18 Jun 2020 16:07

Tgt Ion: 84 Resp: 15705

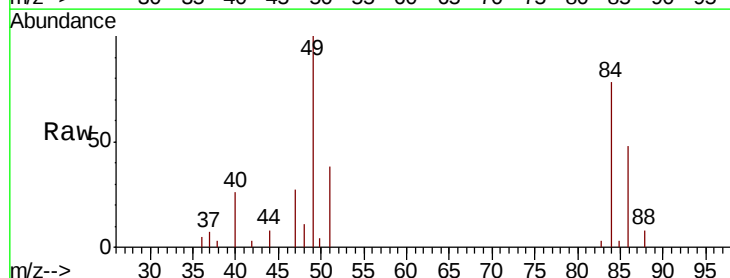
Ion Ratio Lower Upper

84 100

49 128.6 103.4 155.0

51 49.4 31.4 47.2#

86 61.2 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

10000

8000

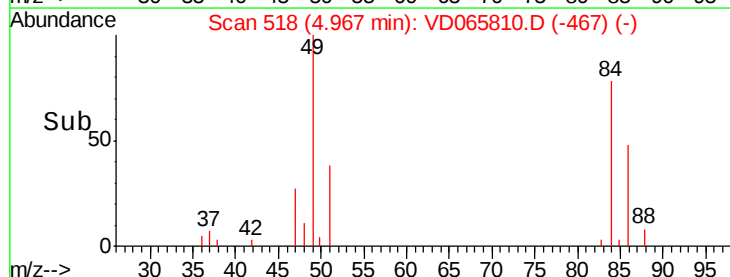
6000

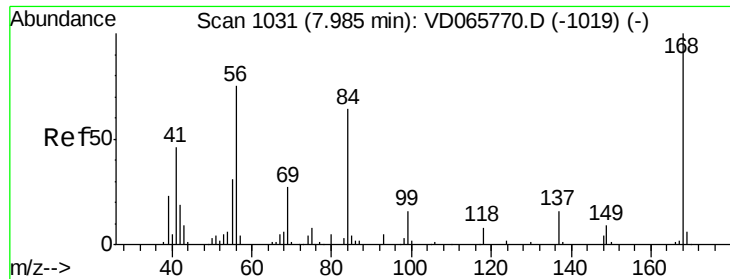
4000

2000

0

Time--> 4.90 4.97 5.10

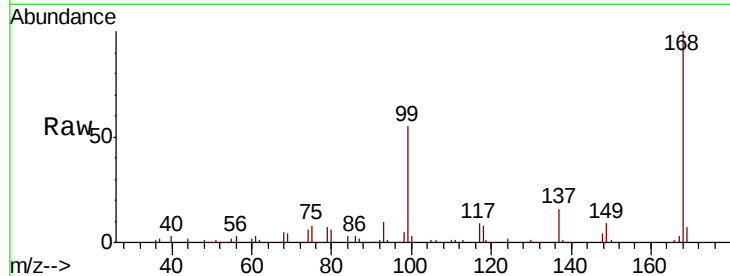




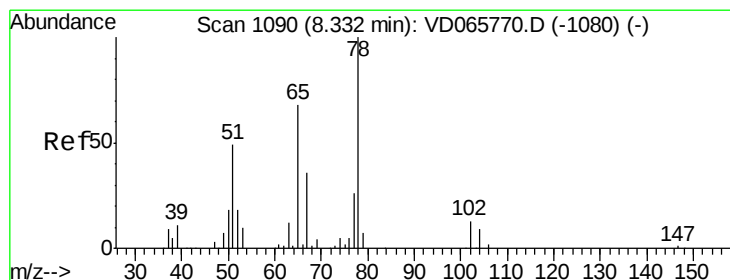
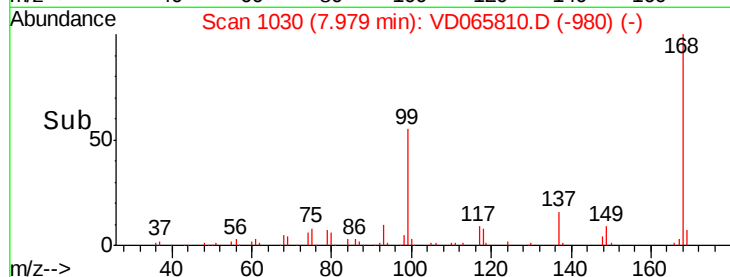
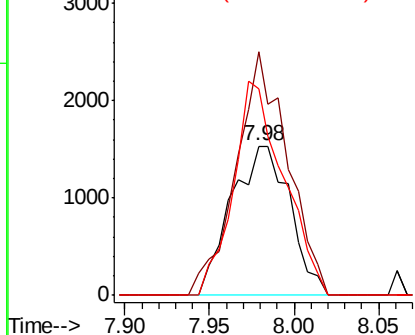
#31
Cyclohexane
Concen: 1.545 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065810.D
Acq: 18 Jun 2020 16:07

Instrument :
MSVOA_D
ClientSampleId :
OK-03-061720RE

Tot Ion: 56 Resp: 3692
Ion Ratio Lower Upper
56 100
69 163.0 28.5 42.7#
84 138.3 68.4 102.6#

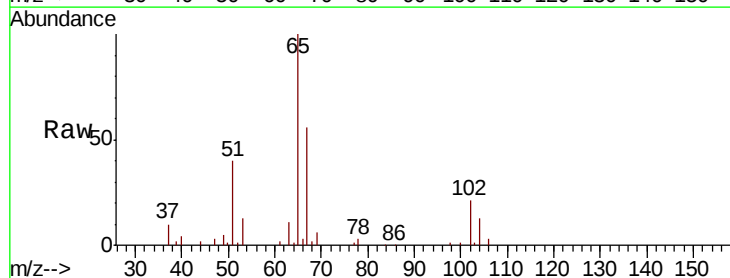


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

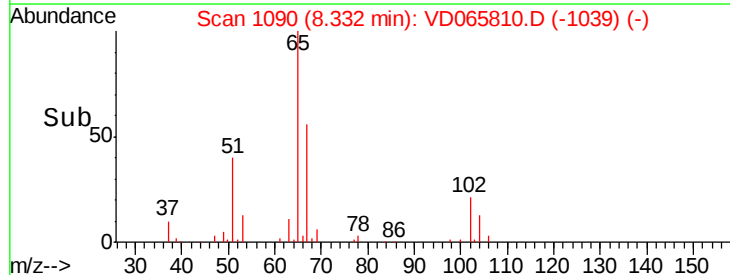
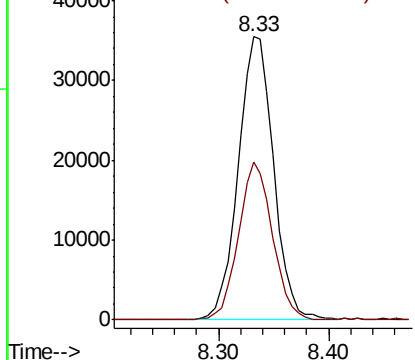


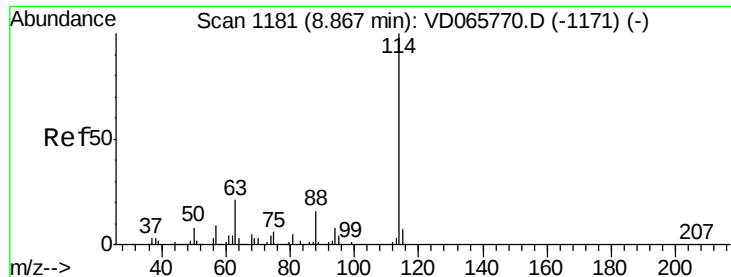
#33
1,2-Dichloroethane-d4
Concen: 59.941 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD065810.D
Acq: 18 Jun 2020 16:07

Tgt Ion: 65 Resp: 79877
Ion Ratio Lower Upper
65 100
67 53.3 0.0 103.6



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

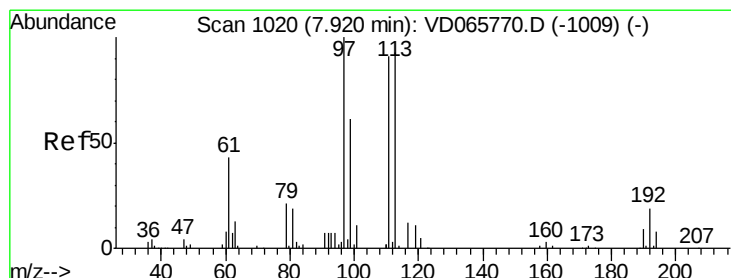
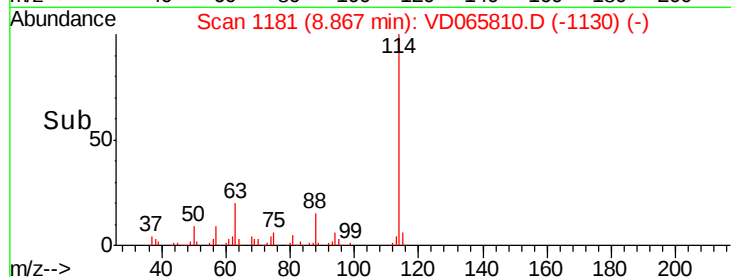
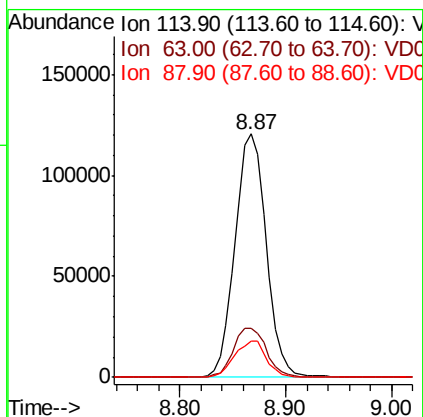
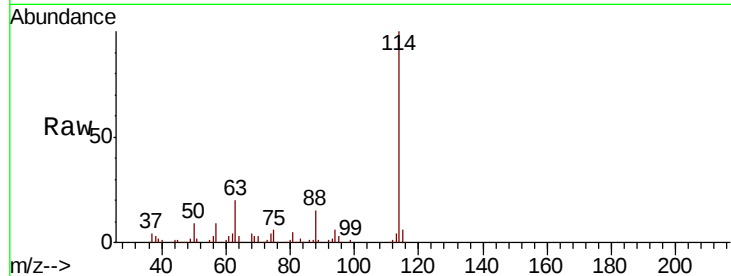




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065810.D
 Acq: 18 Jun 2020 16:07

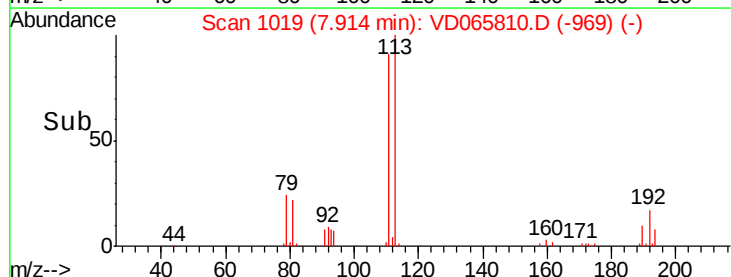
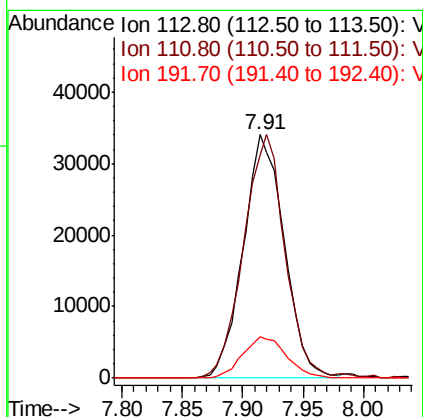
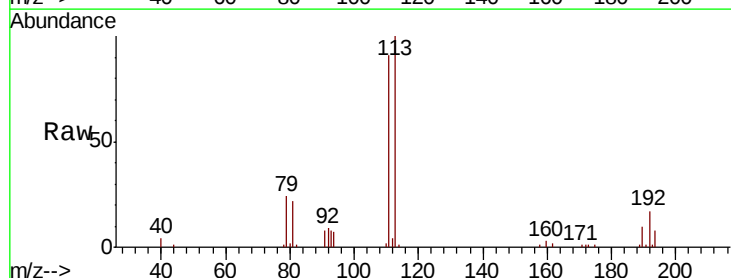
Instrument :
 MSVOA_D
 ClientSampleId :
 OK-03-061720RE

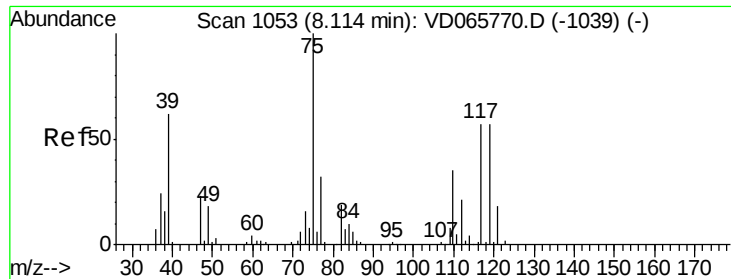
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	41.8
88	14.9	0.0	32.0



#35
 Dibromofluoromethane
 Concen: 51.523 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065810.D
 Acq: 18 Jun 2020 16:07

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	83.4	125.0
192	17.9	15.7	23.5

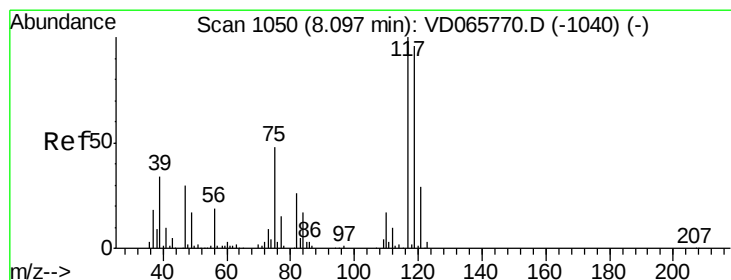
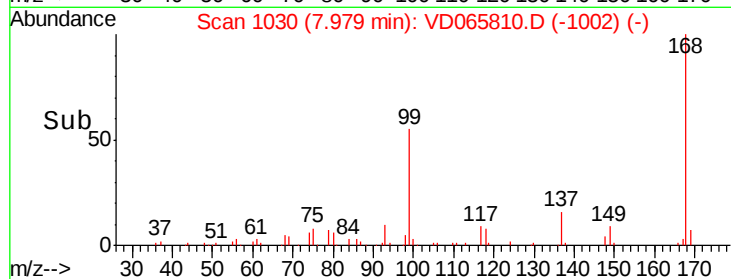
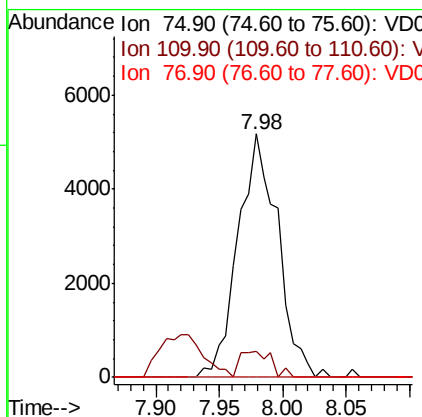
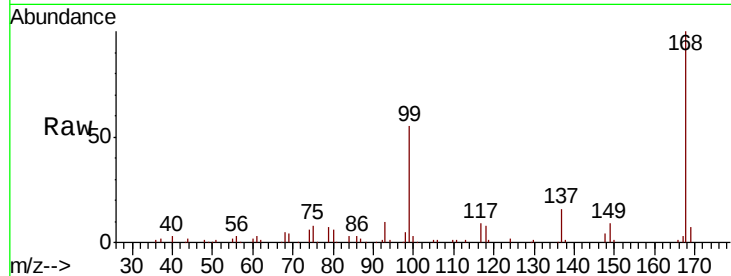




#36
 1,1-Dichloropropene
 Concen: 4.735 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065810.D
 Acq: 18 Jun 2020 16:07

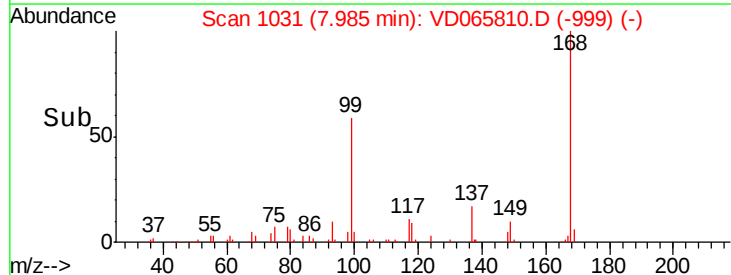
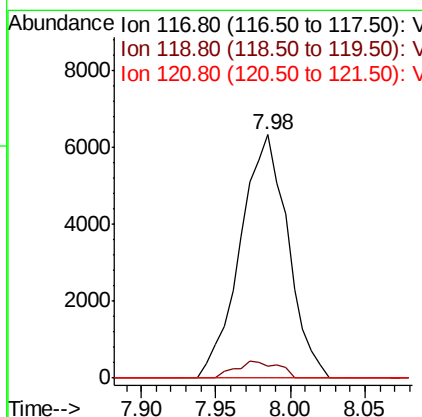
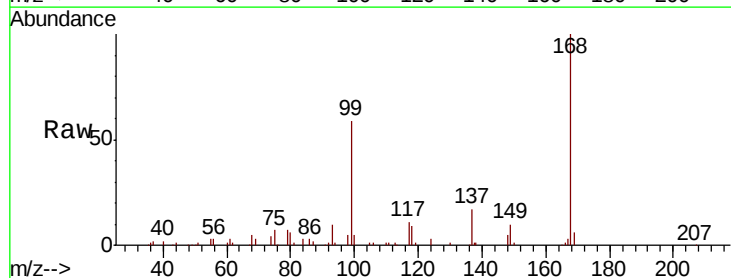
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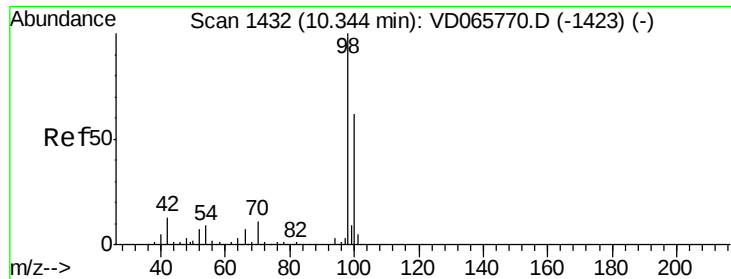
Tot Ion: 75 Resp: 11228
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.6 52.8#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.607 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065810.D
 Acq: 18 Jun 2020 16:07

Tgt Ion: 117 Resp: 13993
 Ion Ratio Lower Upper
 117 100
 119 4.9 76.8 115.2#
 121 0.0 23.4 35.2#





#50

Toluene-d8

Concen: 40.163 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065810.D

Acq: 18 Jun 2020 16:07

Instrument :

MSVOA_D

ClientSampleId :

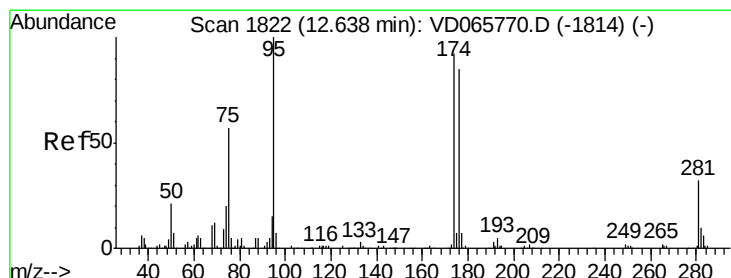
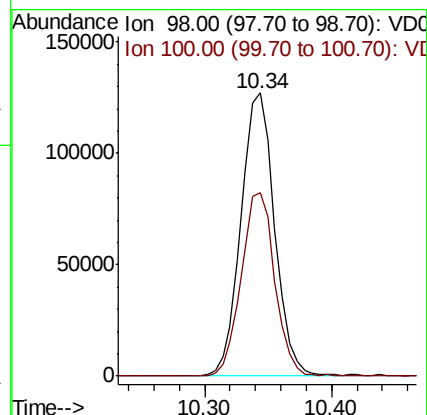
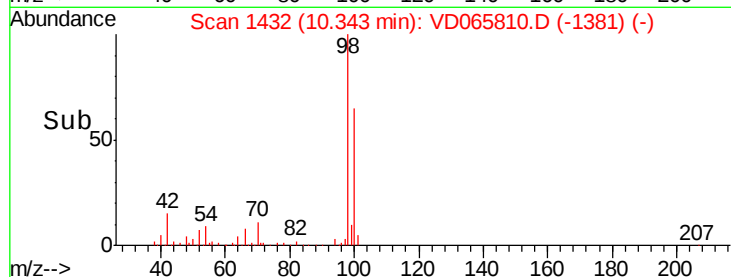
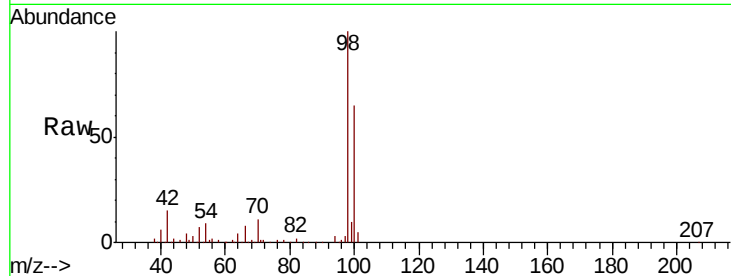
OK-03-061720RE

Tot Ion: 98 Resp: 234194

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 26.180 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065810.D

Acq: 18 Jun 2020 16:07

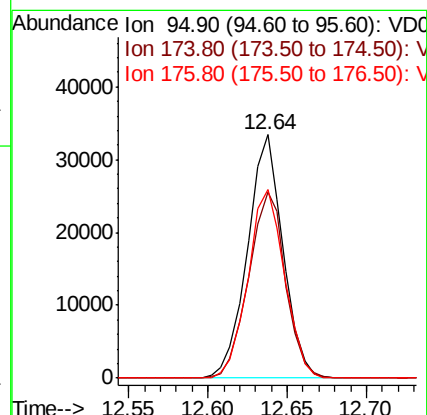
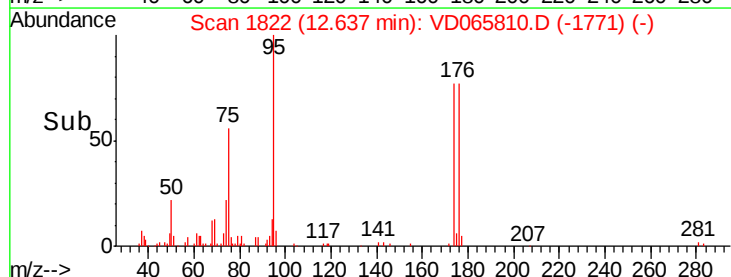
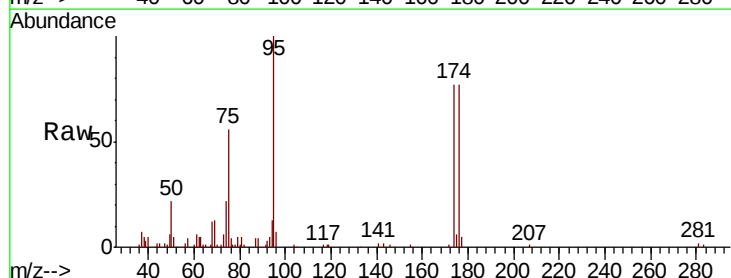
Tgt Ion: 95 Resp: 51770

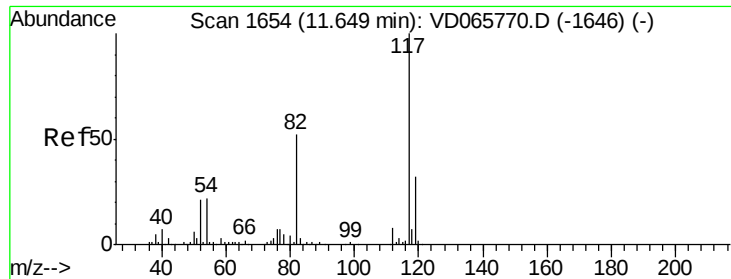
Ion Ratio Lower Upper

95 100

174 79.5 0.0 175.2

176 80.0 0.0 163.0

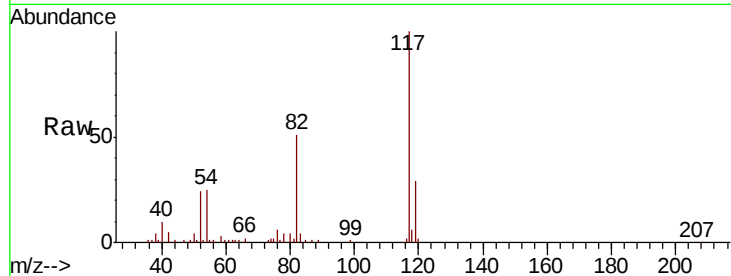




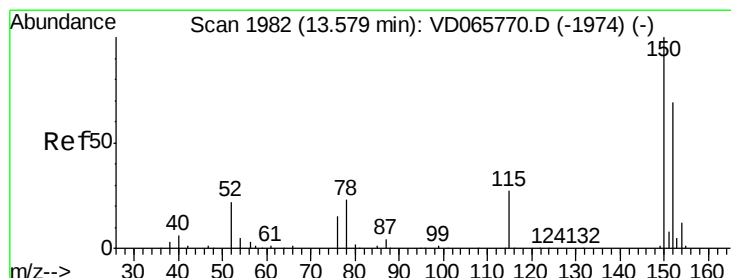
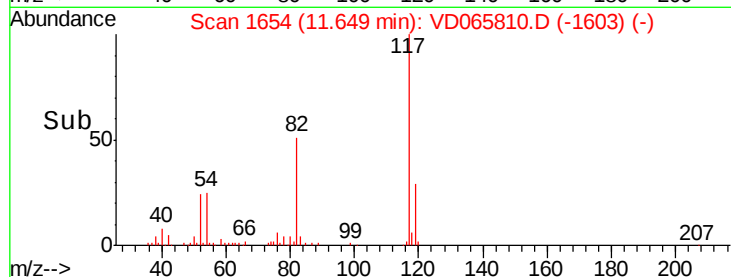
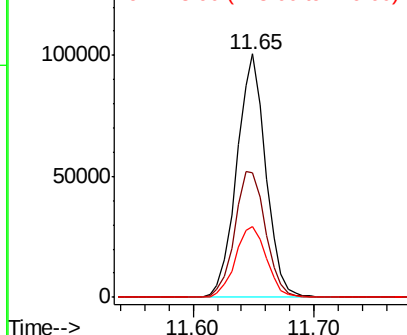
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065810.D
Acq: 18 Jun 2020 16:07

Instrument :
MSVOA_D
ClientSampleId :
OK-03-061720RE

Tot Ion:117 Resp: 168322
Ion Ratio Lower Upper
117 100
82 51.2 41.9 62.9
119 29.0 25.3 37.9

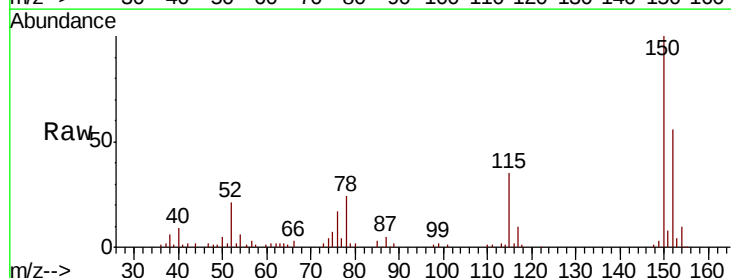


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

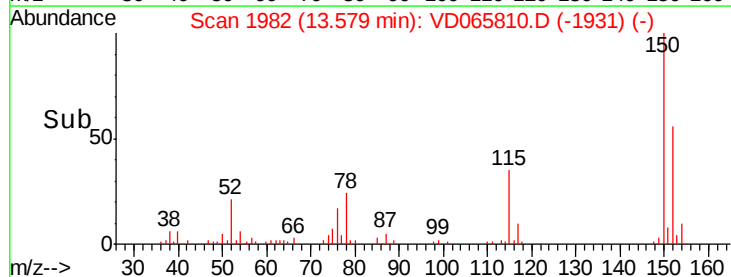
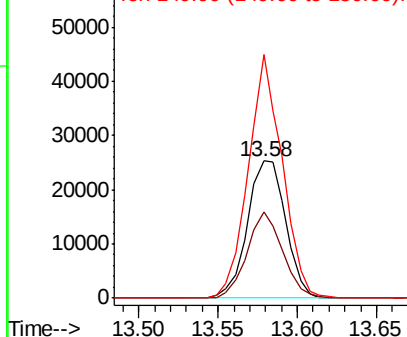


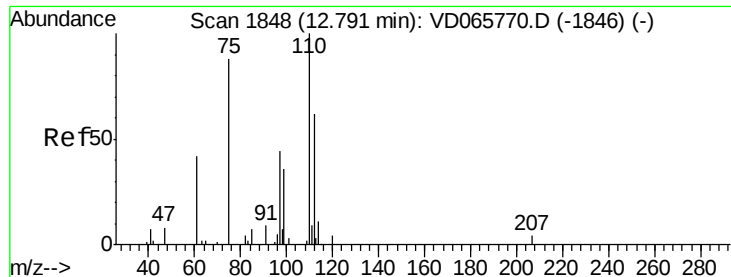
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065810.D
Acq: 18 Jun 2020 16:07

Tgt Ion:152 Resp: 42511
Ion Ratio Lower Upper
152 100
115 58.2 28.7 86.1
150 156.9 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: 91.000 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065810.D

Acq: 18 Jun 2020 16:07

Instrument :

MSVOA_D

ClientSampleId :

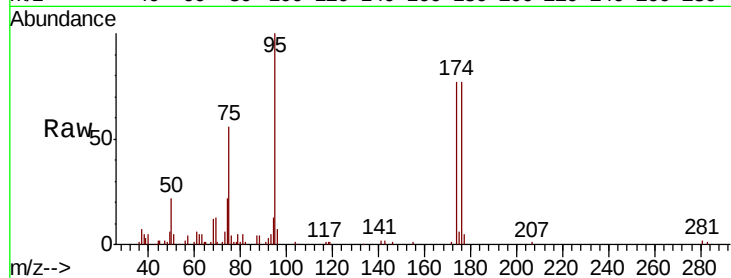
OK-03-061720RE

Tot Ion: 75 Resp: 30086

Ion Ratio Lower Upper

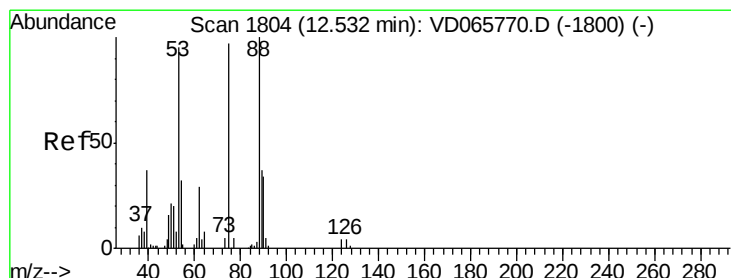
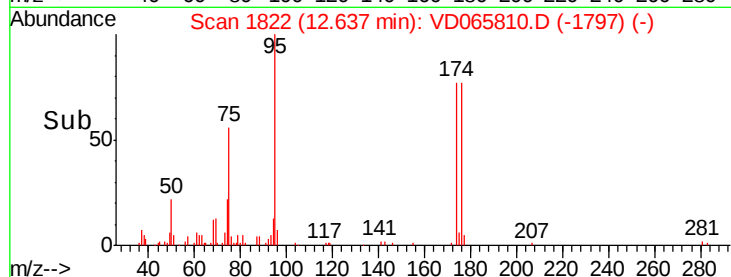
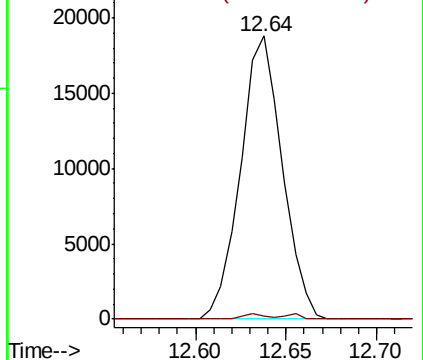
75 100

77 1.1 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: 196.617 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065810.D

Acq: 18 Jun 2020 16:07

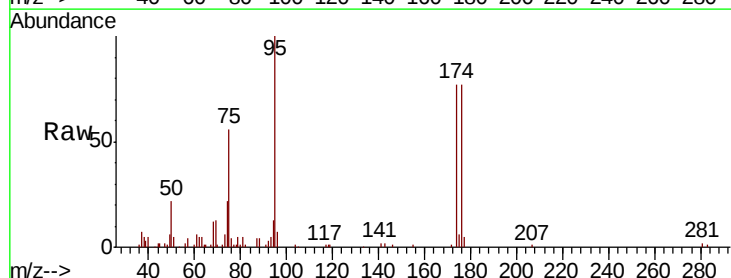
Tgt Ion: 75 Resp: 30086

Ion Ratio Lower Upper

75 100

53 0.4 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

