

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061820\
 Data File : VD065817.D
 Acq On : 18 Jun 2020 19:15
 Operator : VA/SY
 Sample : L3024-19
 Misc : 7.64G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-17

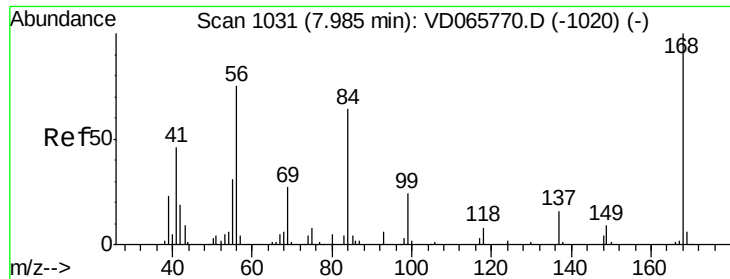
Quant Time: Jun 19 01:04:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	139095	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	248390	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	217163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	85993	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	87079	63.36	ug/l	0.00
Spiked Amount			Recovery	=	126.72%	
35) Dibromofluoromethane	7.91	113	86069	54.86	ug/l	0.00
Spiked Amount			Recovery	=	109.72%	
50) Toluene-d8	10.34	98	296525	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.64	95	86030	43.36	ug/l	0.00
Spiked Amount			Recovery	=	86.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	160	Below Cal	#	43
16) Acetone	4.17	43	554	2.137	ug/l #	47
20) Methylene Chloride	4.97	84	11758	4.490	ug/l	87
31) Cyclohexane	7.98	56	3828	1.553	ug/l #	50
36) 1,1-Dichloropropene	7.98	75	11682	4.910	ug/l #	41
38) Carbon Tetrachloride	7.98	117	14566	5.817	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	1743	1.909	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	47948	71.695	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	47948	154.905	ug/l #	9

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065817.D

Acq: 18 Jun 2020 19:15

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MSVOA_D

ClientSampleId :

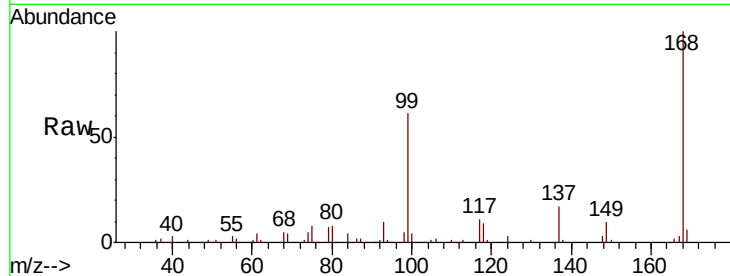
RO-17

Tot Ion:168 Resp: 139095

Ion Ratio Lower Upper

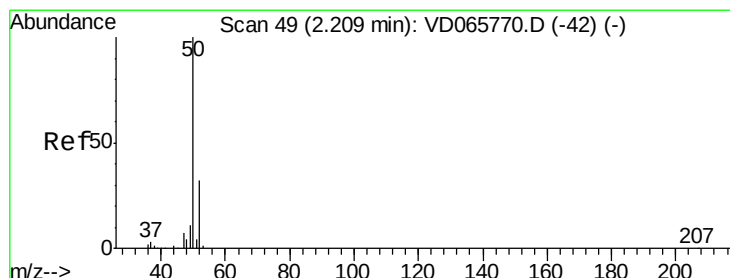
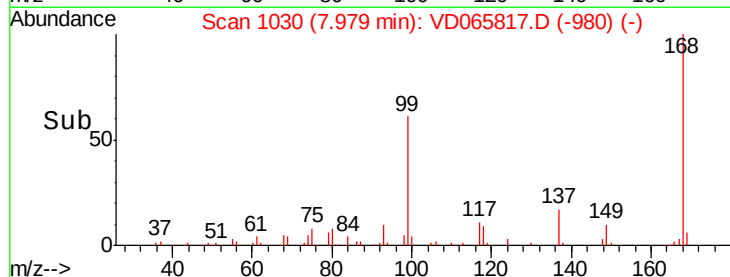
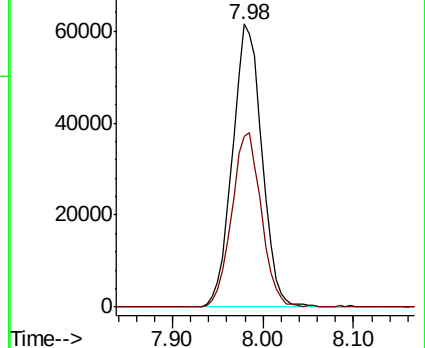
168 100

99 60.5 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: VD065817.D

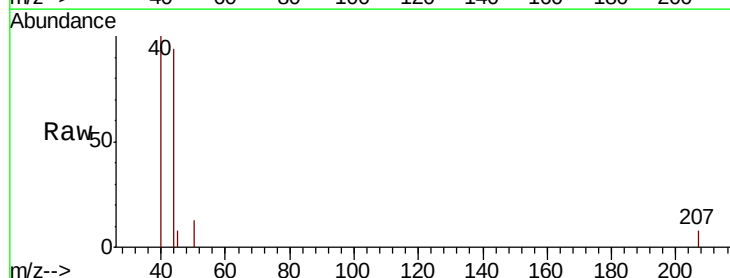
Acq: 18 Jun 2020 19:15

Tgt Ion: 50 Resp: 160

Ion Ratio Lower Upper

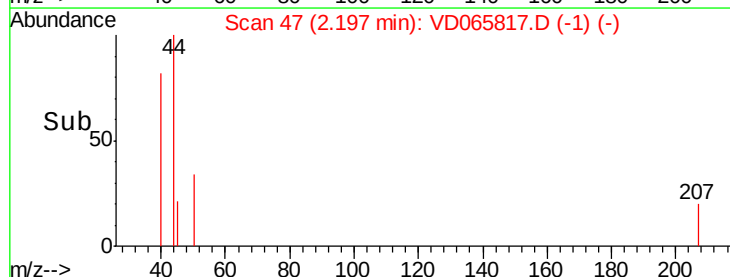
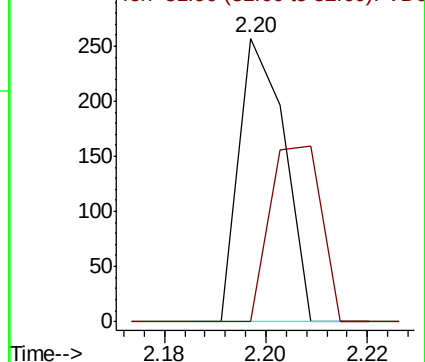
50 100

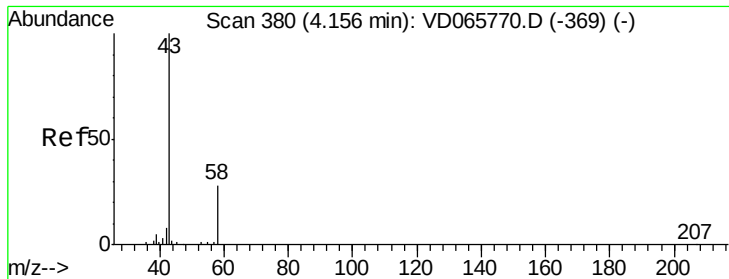
52 0.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#16

Acetone

Concen: 2.137 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.02 min

Lab File: VD065817.D

Acq: 18 Jun 2020 19:15

Instrument :

MSVOA_D

ClientSampleId :

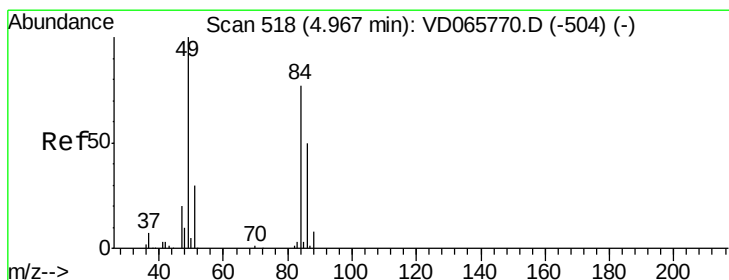
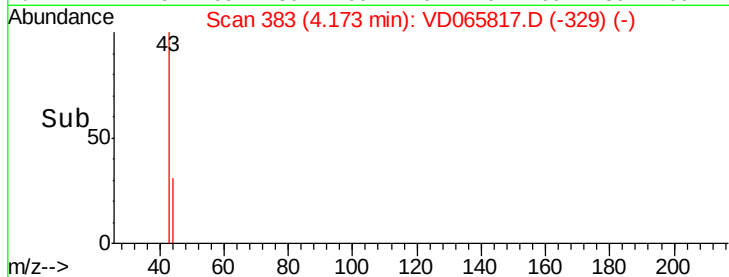
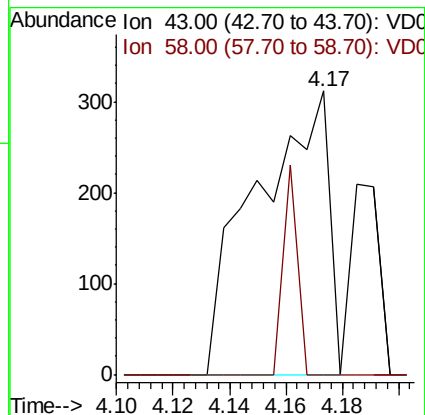
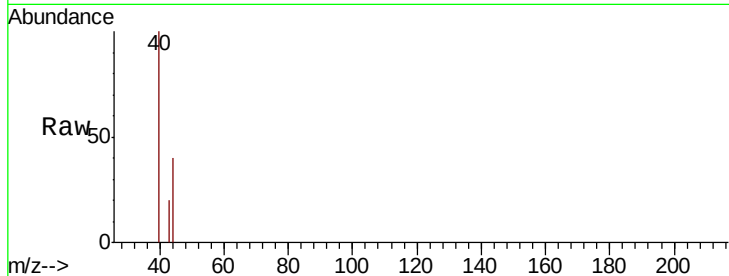
RO-17

Tot Ion: 43 Resp: 554

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



#20

Methylene Chloride

Concen: 4.490 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD065817.D

Acq: 18 Jun 2020 19:15

Tgt Ion: 84 Resp: 11758

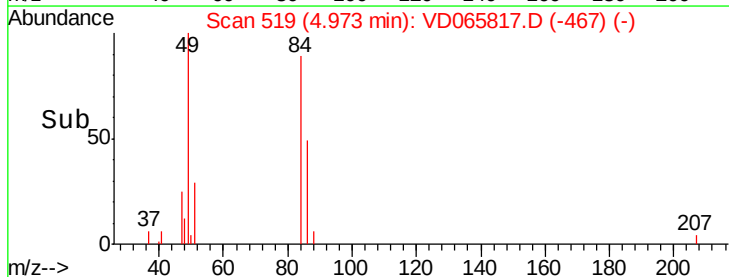
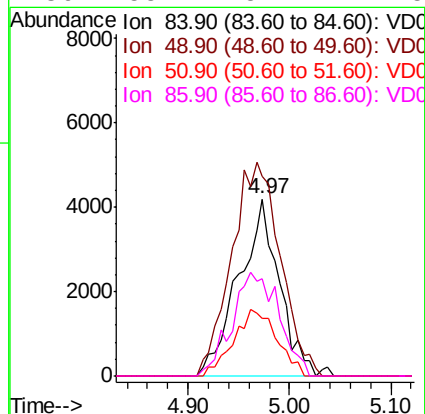
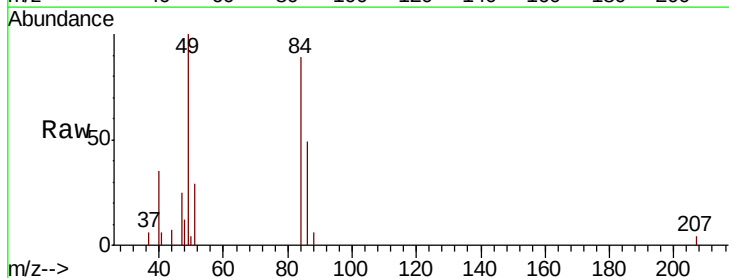
Ion Ratio Lower Upper

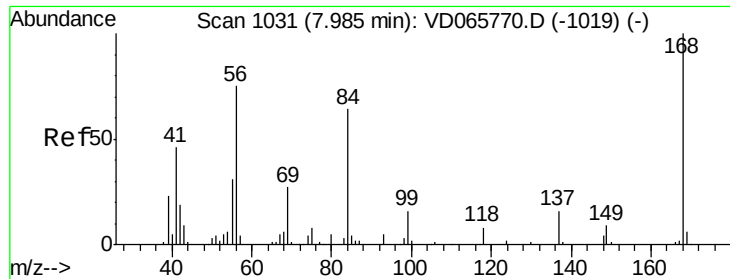
84 100

49 112.8 103.4 155.0

51 32.3 31.4 47.2

86 55.2 51.7 77.5

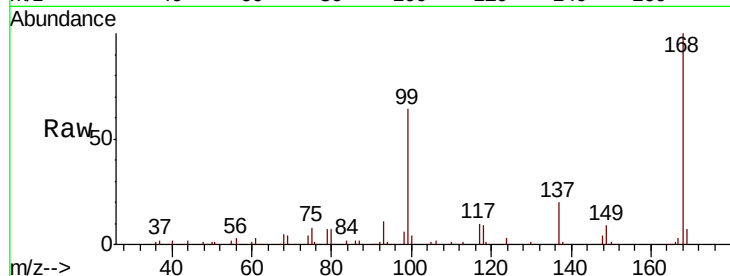




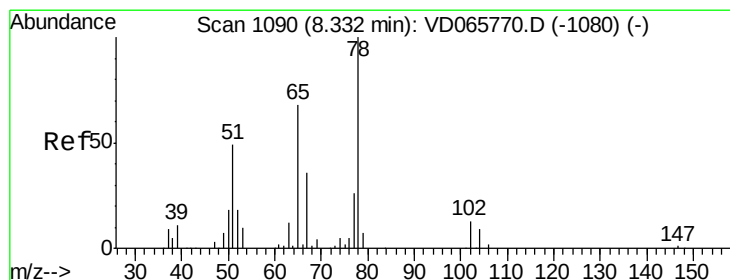
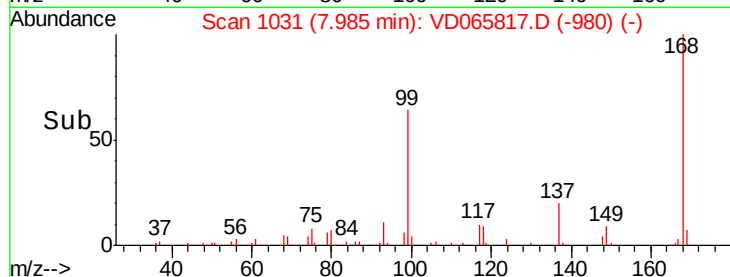
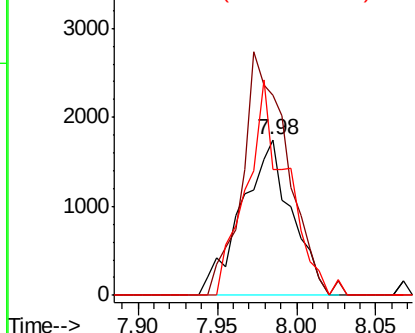
#31
Cyclohexane
Concen: 1.553 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065817.D
Acq: 18 Jun 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
RO-17

Tot Ion: 56 Resp: 3828
Ion Ratio Lower Upper
56 100
69 128.5 28.5 42.7#
84 80.8 68.4 102.6

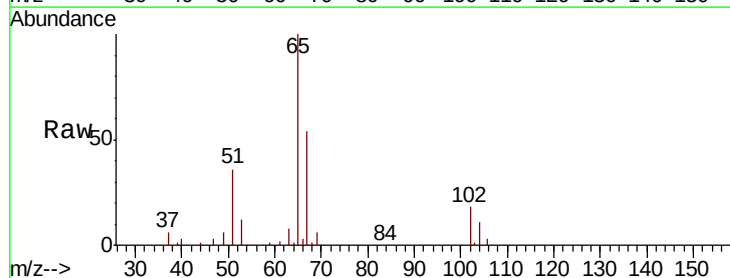


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

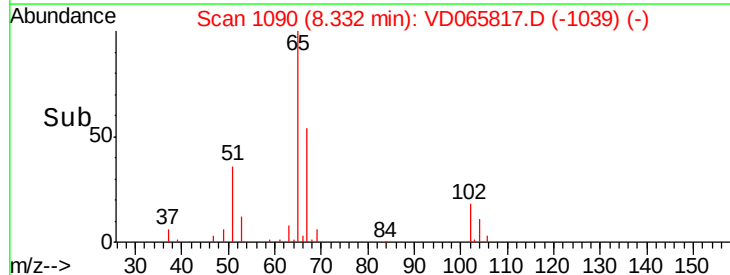
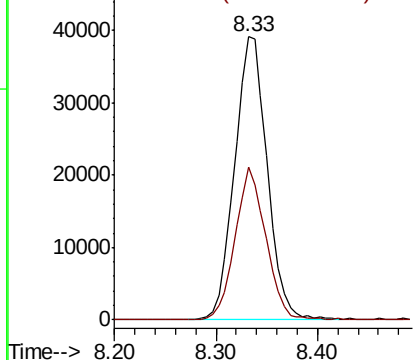


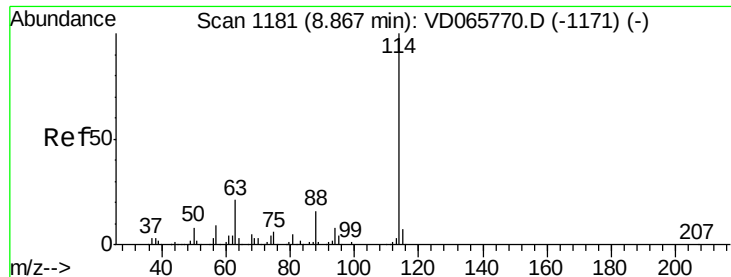
#33
1,2-Dichloroethane-d4
Concen: 63.356 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD065817.D
Acq: 18 Jun 2020 19:15

Tgt Ion: 65 Resp: 87079
Ion Ratio Lower Upper
65 100
67 50.7 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: VD065817.D

Acq: 18 Jun 2020 19:15

Instrument :

MSVOA_D

ClientSampleId :

RO-17

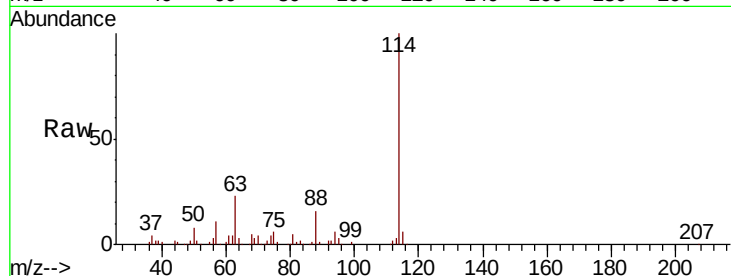
Tot Ion:114 Resp: 248390

Ion Ratio Lower Upper

114 100

63 23.2 0.0 41.8

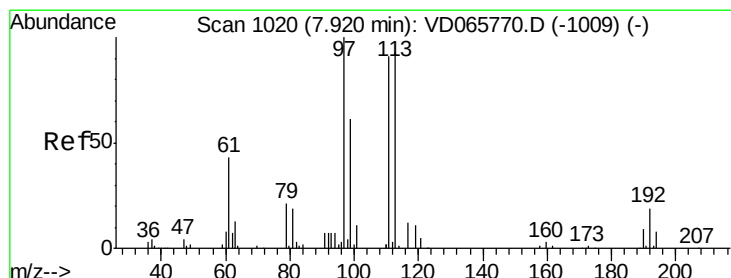
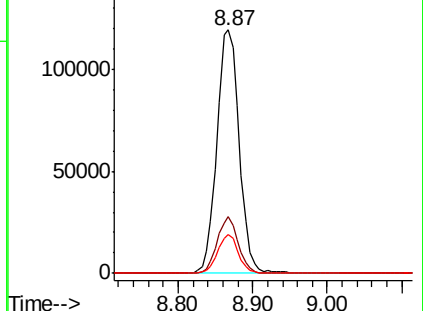
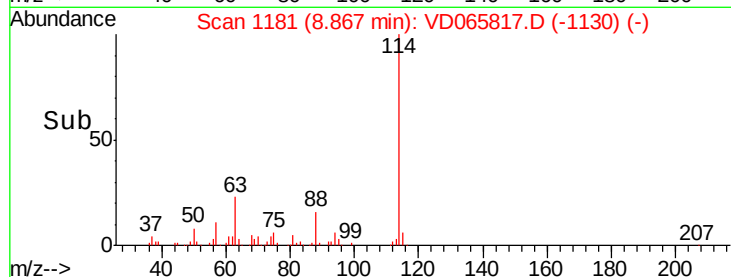
88 15.8 0.0 32.0



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: 54.857 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD065817.D

Acq: 18 Jun 2020 19:15

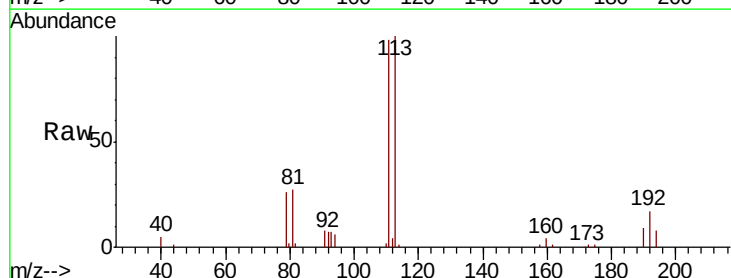
Tgt Ion:113 Resp: 86069

Ion Ratio Lower Upper

113 100

111 101.4 83.4 125.0

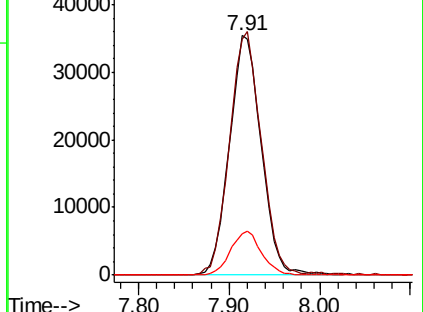
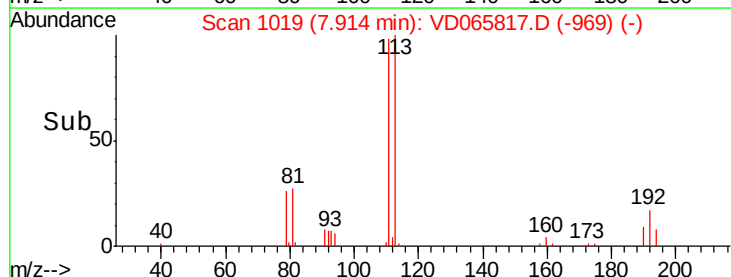
192 17.7 15.7 23.5

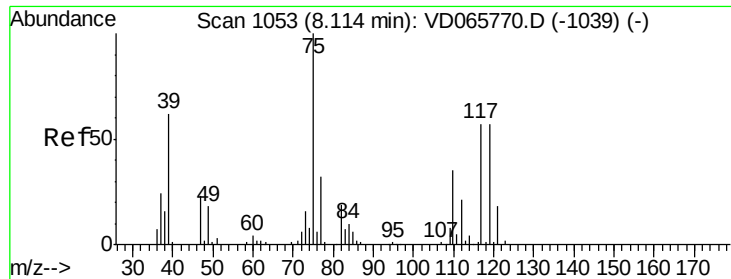


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

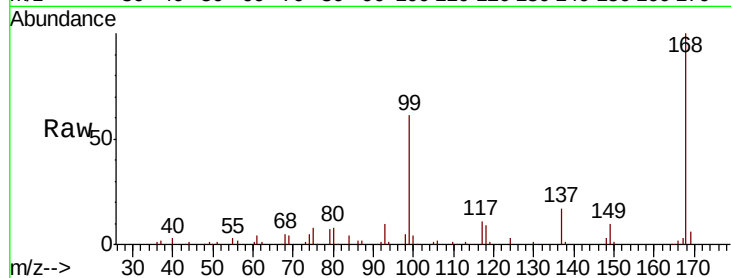




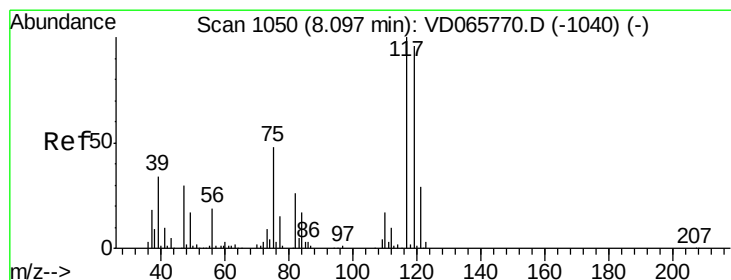
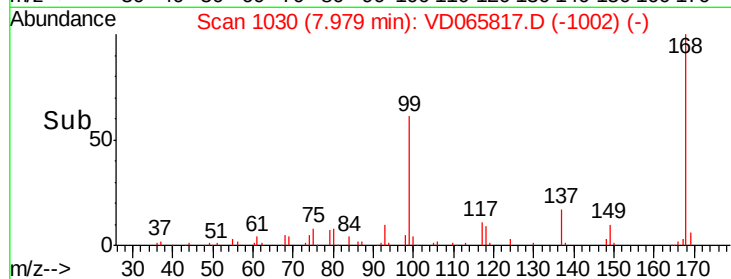
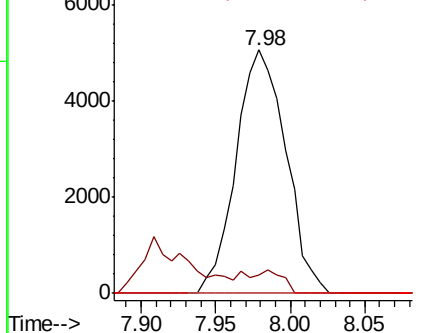
#36
 1,1-Dichloropropene
 Concen: 4.910 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065817.D
 Acq: 18 Jun 2020 19:15

Instrument :
 MSVOA_D
 ClientSampleId :
 RO-17

Tot Ion: 75 Resp: 11682
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.6 52.8#
 77 0.0 25.1 37.7#

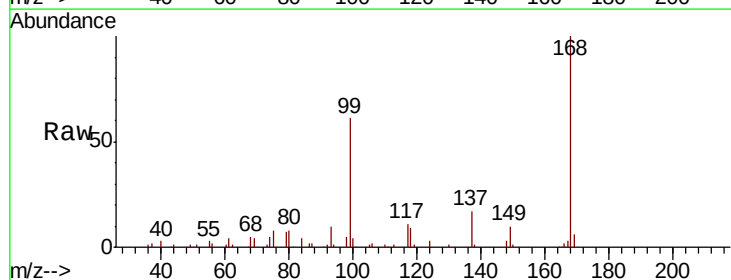


Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

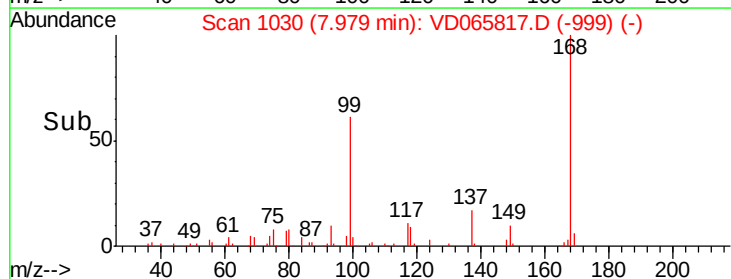
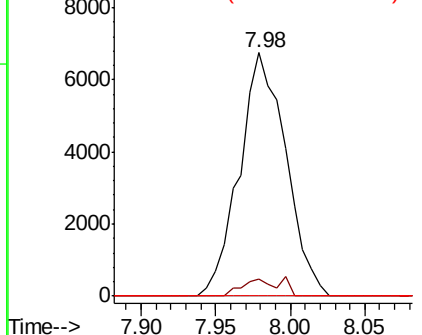


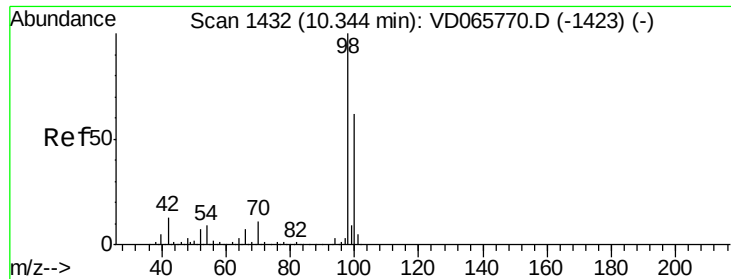
#38
 Carbon Tetrachloride
 Concen: 5.817 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065817.D
 Acq: 18 Jun 2020 19:15

Tgt Ion: 117 Resp: 14566
 Ion Ratio Lower Upper
 117 100
 119 6.8 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: 50.683 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065817.D

Acq: 18 Jun 2020 19:15

Instrument :

MSVOA_D

ClientSampleId :

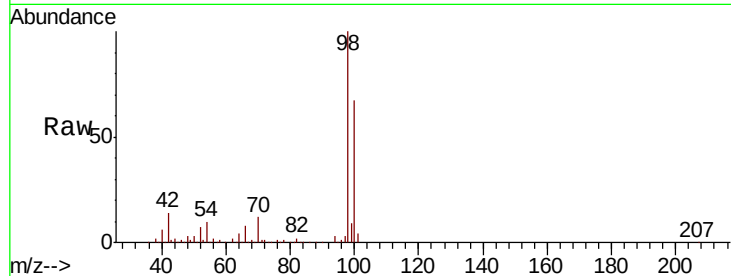
RO-17

Tot Ion: 98 Resp: 296525

Ion Ratio Lower Upper

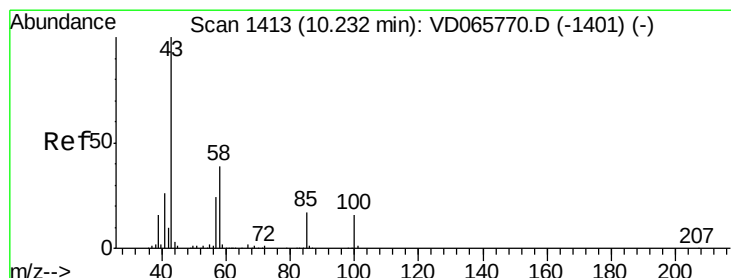
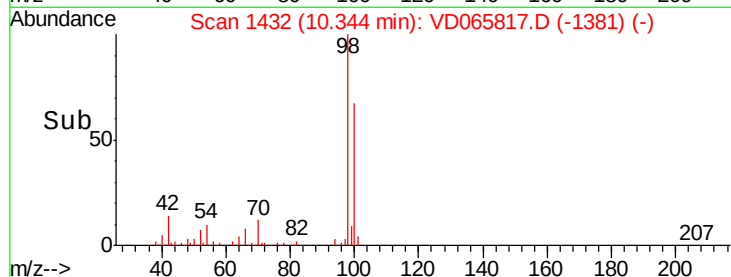
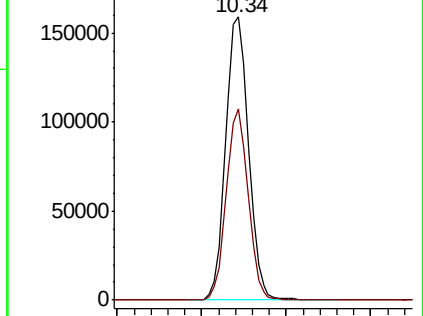
98 100

100 64.7 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.909 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD065817.D

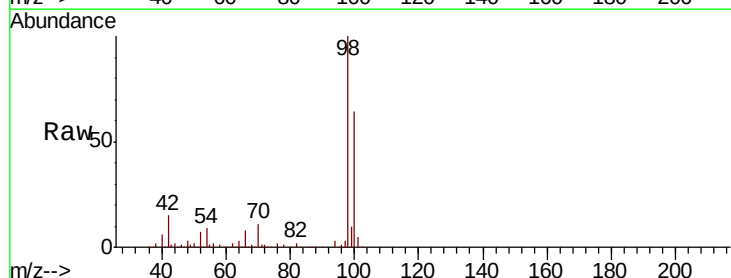
Acq: 18 Jun 2020 19:15

Tgt Ion: 43 Resp: 1743

Ion Ratio Lower Upper

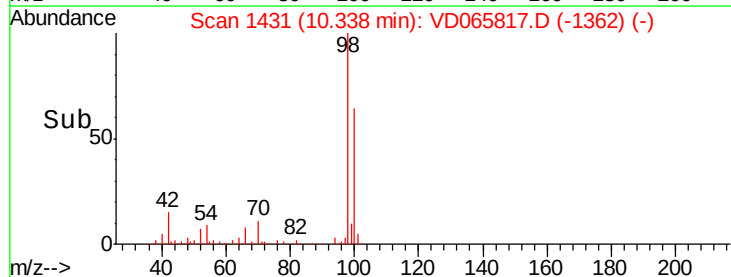
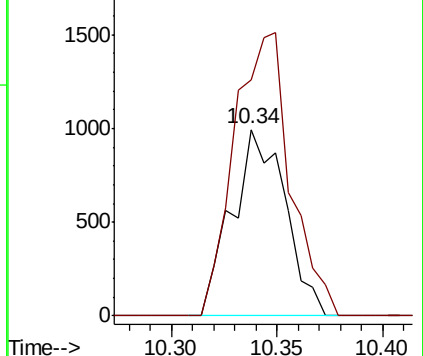
43 100

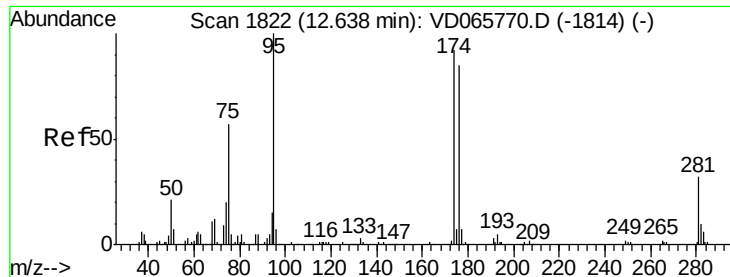
58 160.2 30.7 46.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

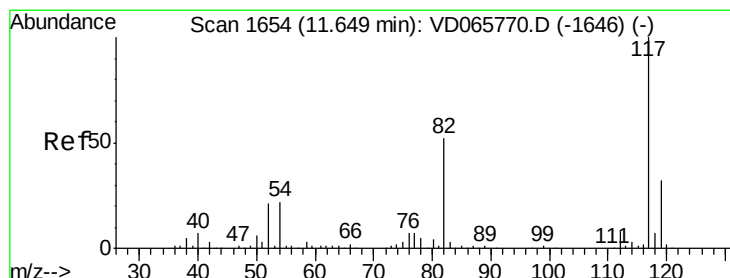
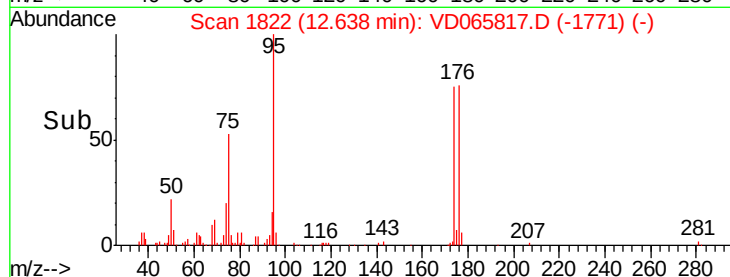
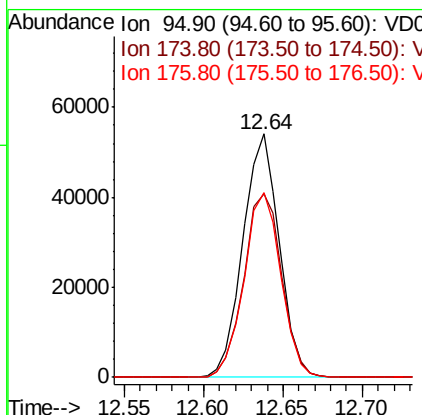
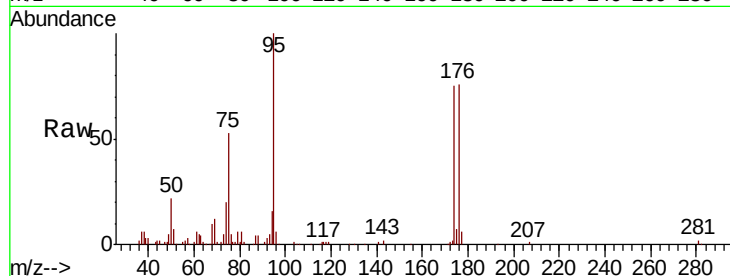




#62
4-Bromofluorobenzene
Concen: 43.359 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065817.D
Acq: 18 Jun 2020 19:15

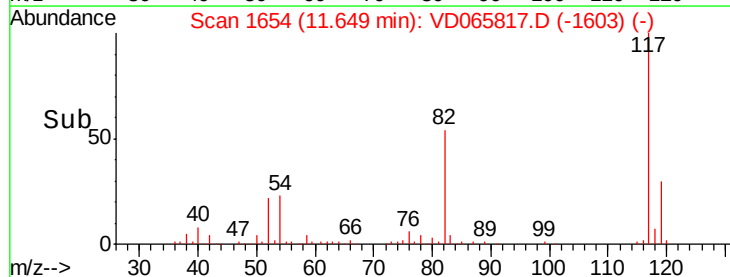
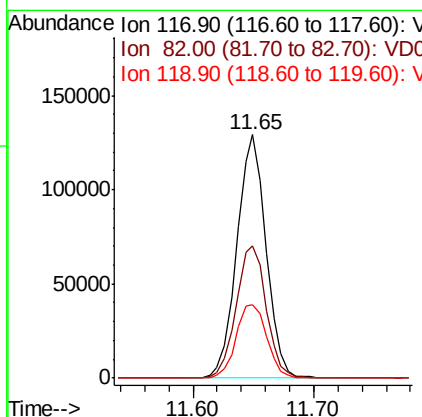
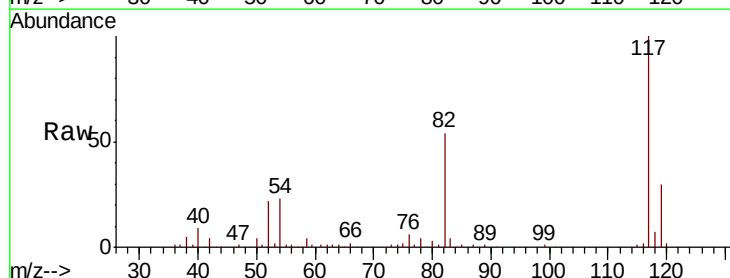
Instrument :
MSVOA_D
ClientSampleId :
RO-17

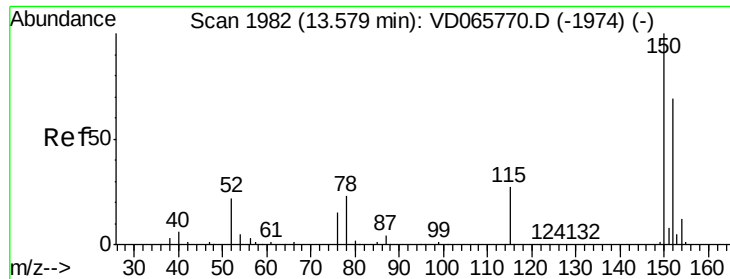
Tot Ion: 95 Resp: 86030
Ion Ratio Lower Upper
95 100
174 79.3 0.0 175.2
176 77.0 0.0 163.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065817.D
Acq: 18 Jun 2020 19:15

Tgt Ion: 117 Resp: 217163
Ion Ratio Lower Upper
117 100
82 54.3 41.9 62.9
119 30.1 25.3 37.9



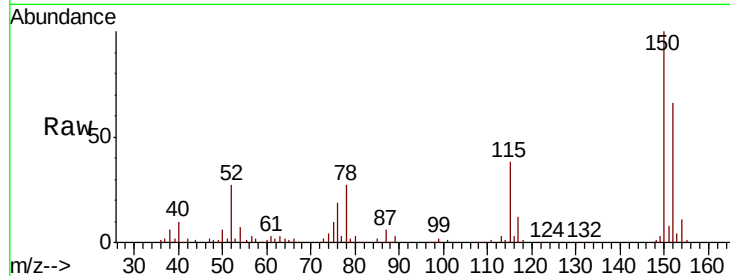


#72

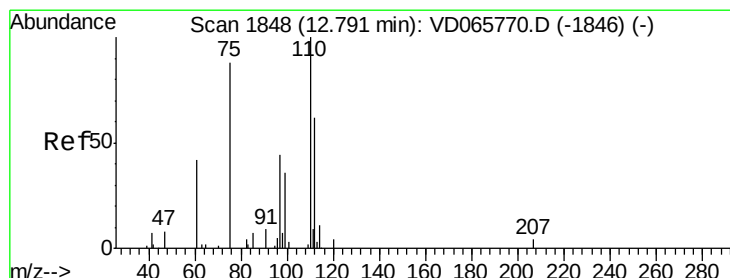
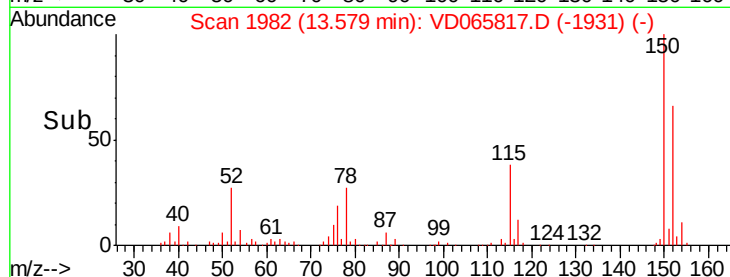
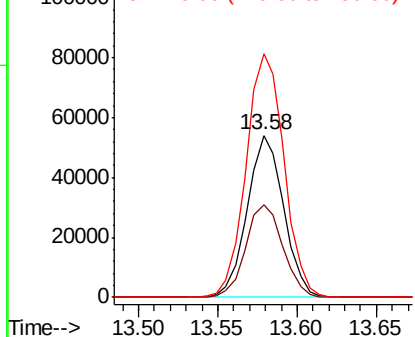
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD065817.D
Acq: 18 Jun 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
RO-17

Tot Ion:152 Resp: 85993
Ion Ratio Lower Upper
152 100
115 58.5 28.7 86.1
150 157.1 0.0 348.0



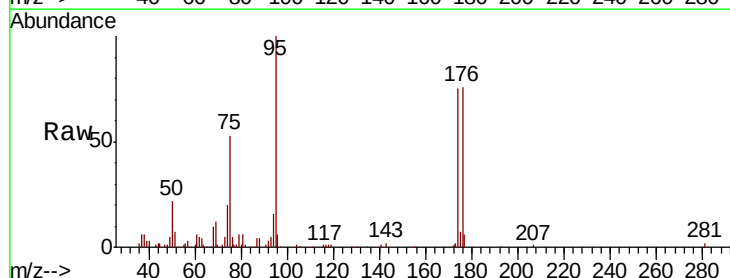
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



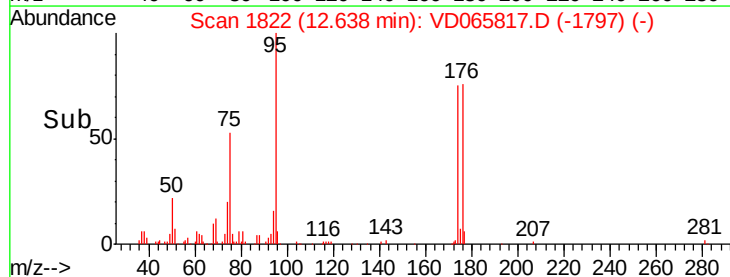
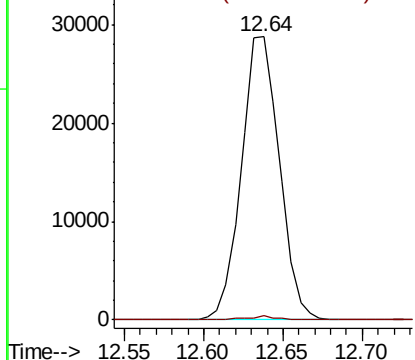
#76

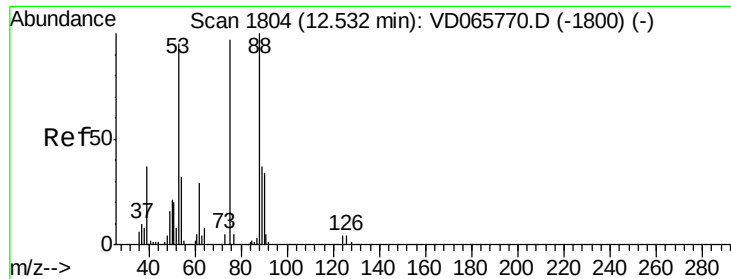
1,2,3-Trichloropropane
Concen: 71.695 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065817.D
Acq: 18 Jun 2020 19:15

Tgt Ion: 75 Resp: 47948
Ion Ratio Lower Upper
75 100
77 1.0 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: 154.905 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065817.D

Acq: 18 Jun 2020 19:15

Instrument :

MSVOA_D

ClientSampleId :

RO-17

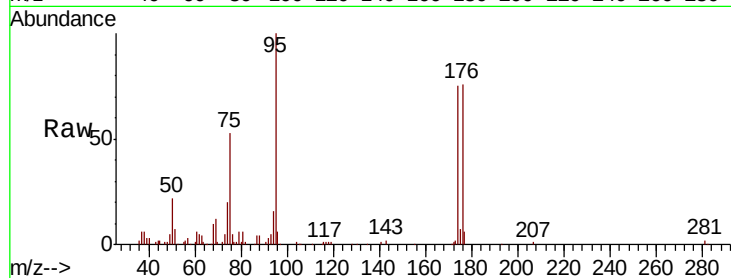
Tot Ion: 75 Resp: 47948

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

