

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061820\
 Data File : VD065804.D
 Acq On : 18 Jun 2020 13:25
 Operator : VA/SY
 Sample : L2809-01
 Misc : 7.48G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-061720

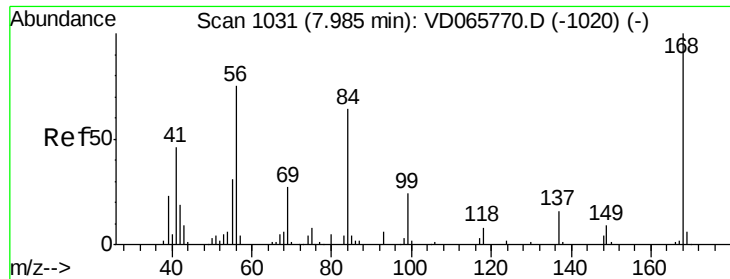
Quant Time: Jun 19 01:01:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	165699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	275283	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	243910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	100840	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	83558	51.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.06%	
35) Dibromofluoromethane	7.91	113	84783	48.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.52%	
50) Toluene-d8	10.34	98	301011	46.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.84%	
62) 4-Bromofluorobenzene	12.64	95	89570	40.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	81.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	211	Below Cal	#	42
3) Chloromethane	2.20	50	127	Below Cal	#	43
16) Acetone	4.14	43	2632	8.522	ug/l #	86
18) Methyl Acetate	4.96	43	137	Below Cal	#	52
20) Methylene Chloride	4.97	84	13131	3.904	ug/l	93
31) Cyclohexane	7.98	56	4762	1.622	ug/l #	33
36) 1,1-Dichloropropene	7.98	75	13496	5.118	ug/l #	51
38) Carbon Tetrachloride	7.98	117	17165	6.185	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	1906	1.883	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	50148	63.944	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	50148	138.159	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: VD065804.D

Acq: 18 Jun 2020 13:25

Instrument :

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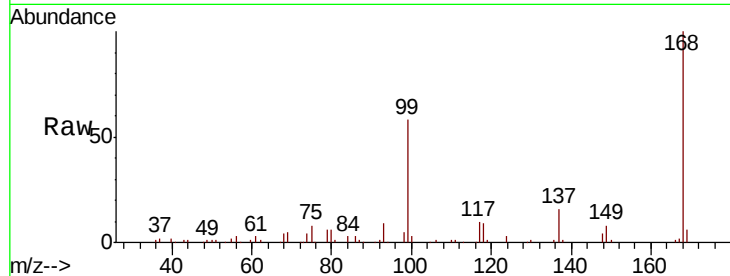
HD-01-061720

Tot Ion:168 Resp: 165699

Ion Ratio Lower Upper

168 100

99 57.7 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

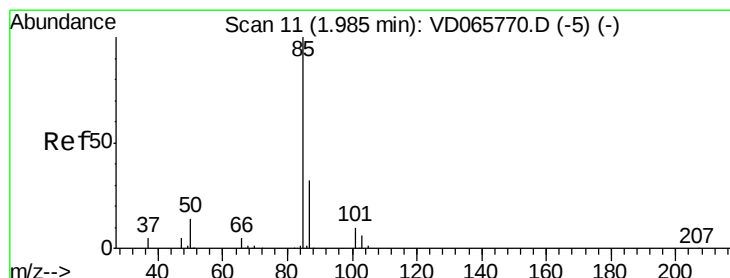
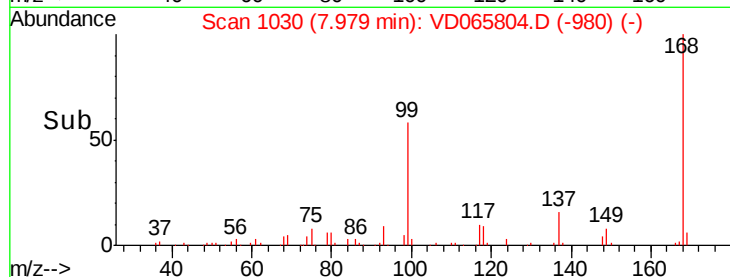
40000

20000

0

Time-->

7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065804.D

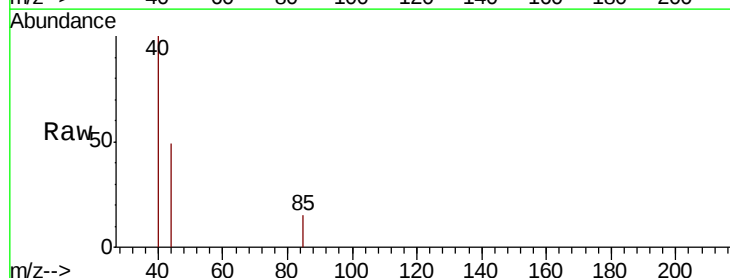
Acq: 18 Jun 2020 13:25

Tgt Ion: 85 Resp: 211

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

1.99

300

250

200

150

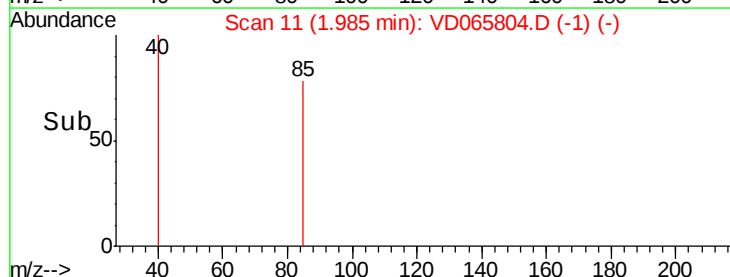
100

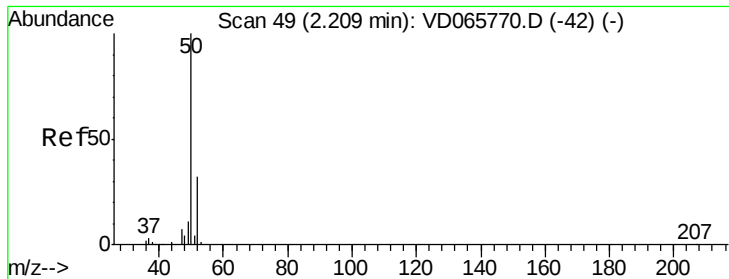
50

0

Time-->

1.96 1.98 2.00





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065804.D

Acq: 18 Jun 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

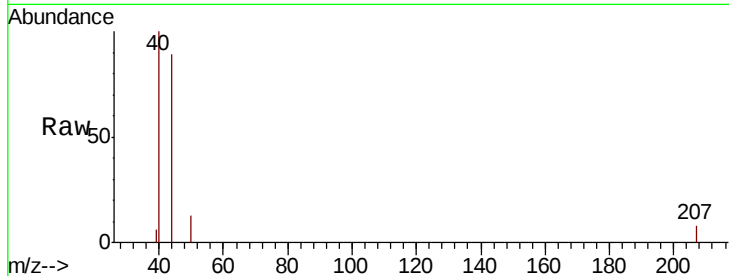
HD-01-061720

Tot Ion: 50 Resp: 127

Ion Ratio Lower Upper

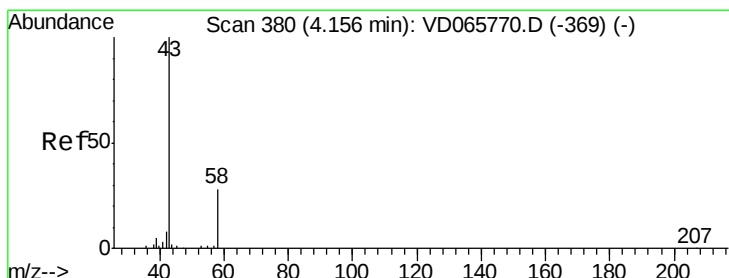
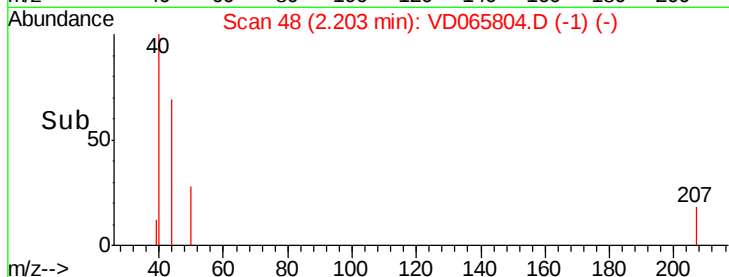
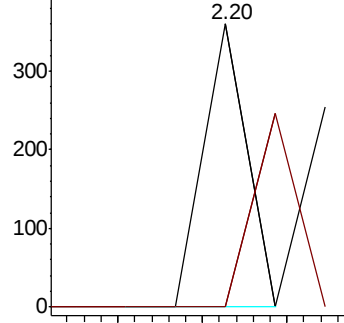
50 100

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: 8.522 ug/l

RT: 4.14 min Scan# 378

Delta R.T. -0.01 min

Lab File: VD065804.D

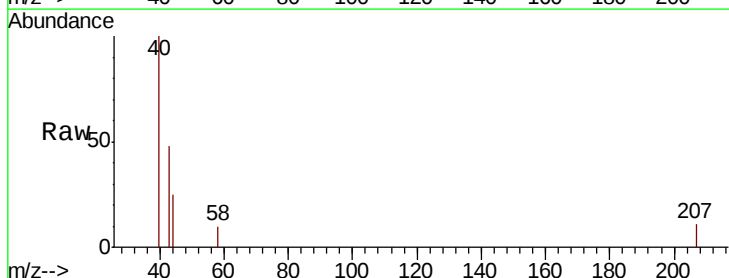
Acq: 18 Jun 2020 13:25

Tgt Ion: 43 Resp: 2632

Ion Ratio Lower Upper

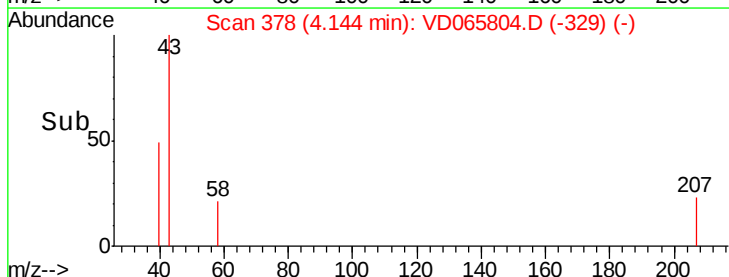
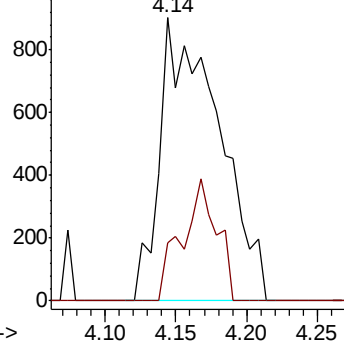
43 100

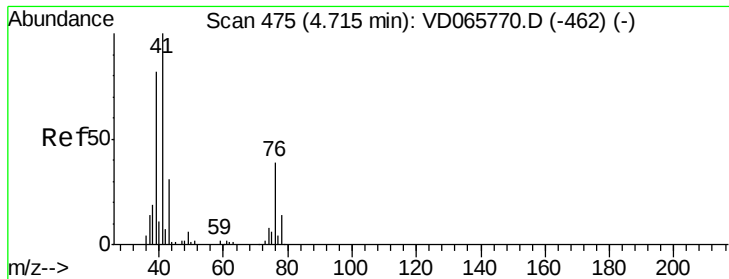
58 20.6 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

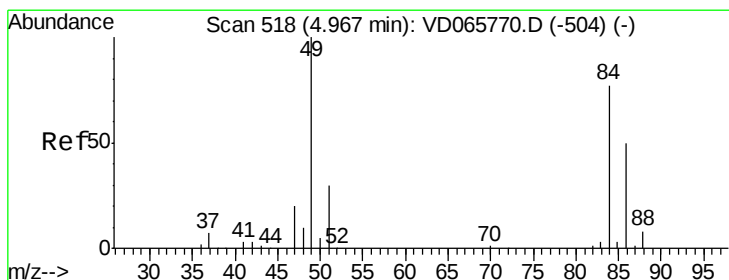
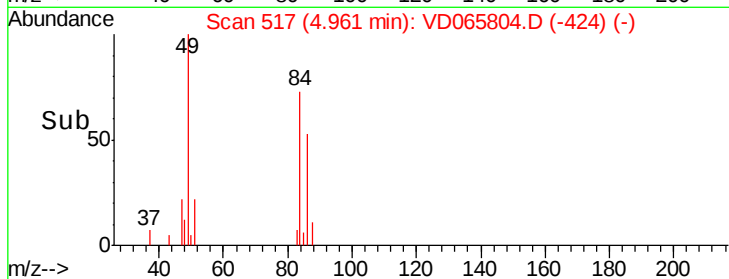
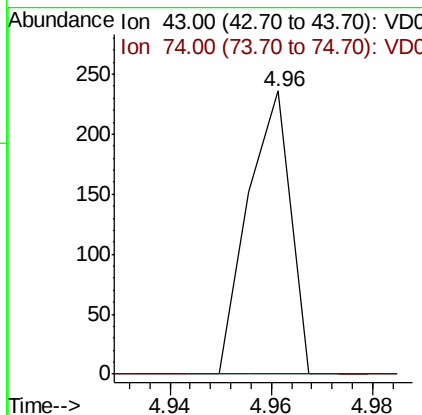
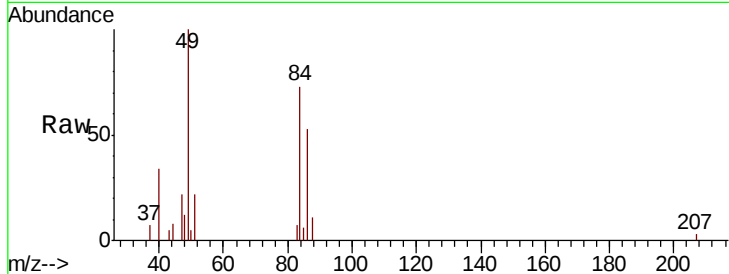




#18
Methyl Acetate
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. 0.25 min
Lab File: VD065804.D
Acq: 18 Jun 2020 13:25

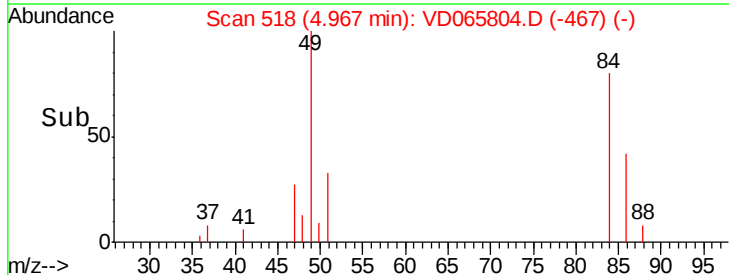
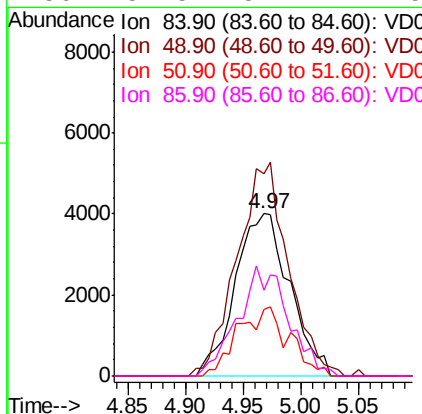
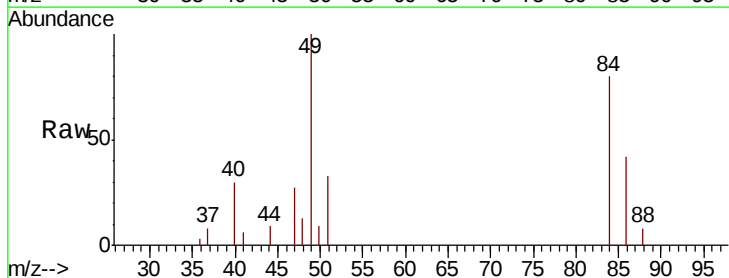
Instrument :
MSVOA_D
ClientSampleId :
HD-01-061720

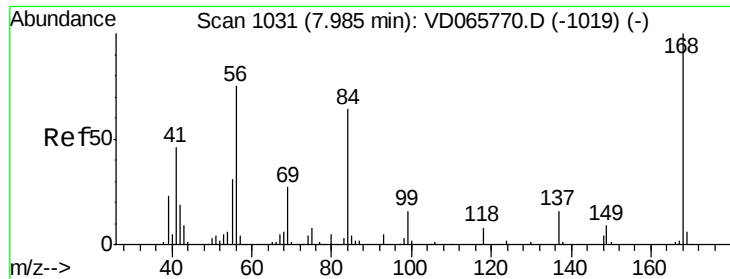
Tot Ion: 43 Resp: 137
Ion Ratio Lower Upper
43 100
74 0.0 18.7 28.1#



#20
Methylene Chloride
Concen: 3.904 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065804.D
Acq: 18 Jun 2020 13:25

Tgt Ion: 84 Resp: 13131
Ion Ratio Lower Upper
84 100
49 124.7 103.4 155.0
51 40.7 31.4 47.2
86 52.5 51.7 77.5

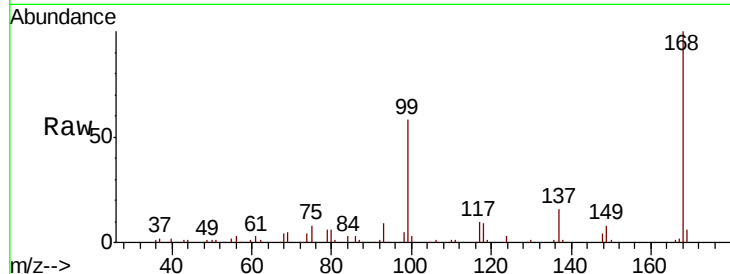




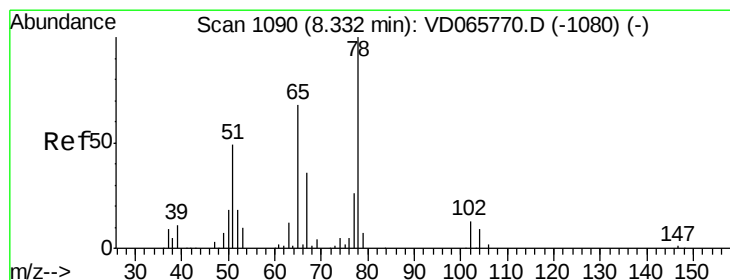
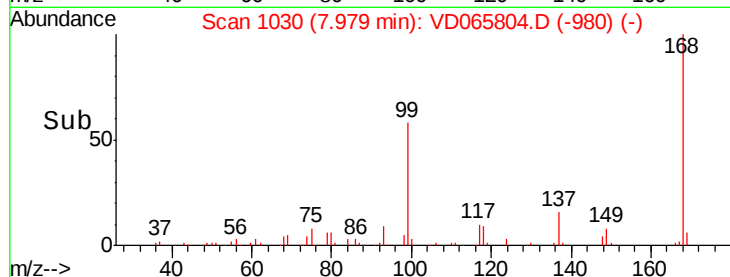
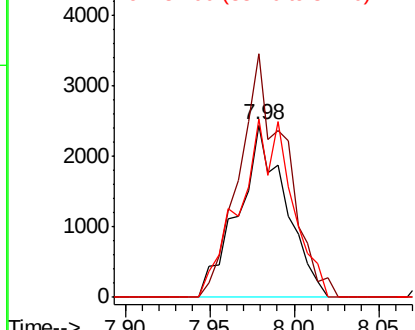
#31
Cyclohexane
Concen: 1.622 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065804.D
Acq: 18 Jun 2020 13:25

Instrument :
MSVOA_D
ClientSampleId :
HD-01-061720

Tot Ion: 56 Resp: 4762
Ion Ratio Lower Upper
56 100
69 141.2 28.5 42.7#
84 103.3 68.4 102.6#

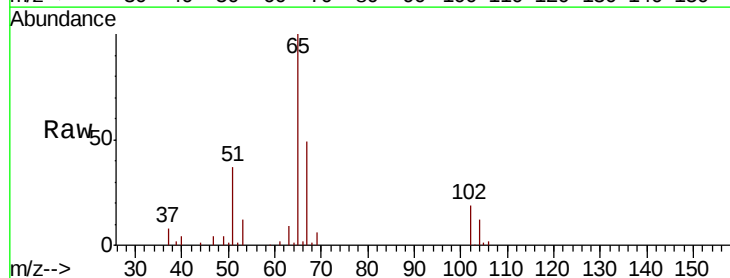


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

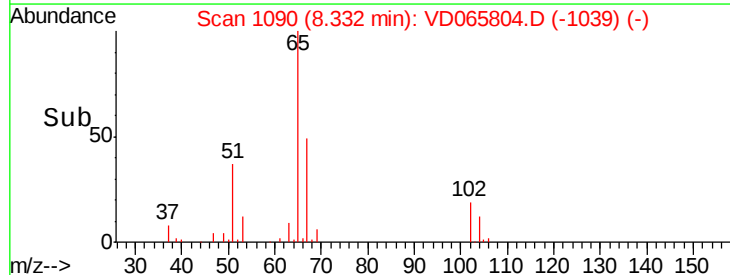
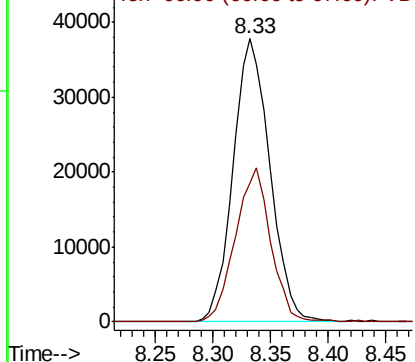


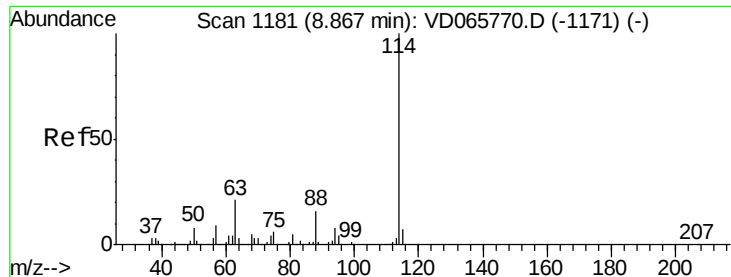
#33
1,2-Dichloroethane-d4
Concen: 51.033 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD065804.D
Acq: 18 Jun 2020 13:25

Tgt Ion: 65 Resp: 83558
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.6



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

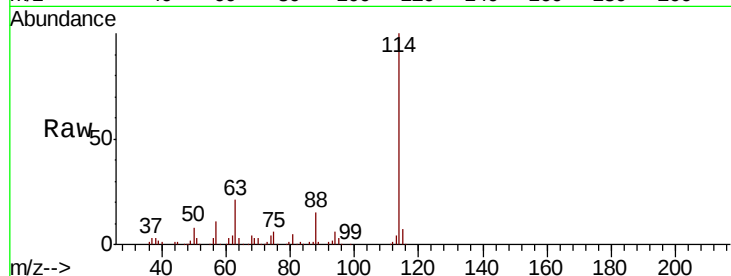




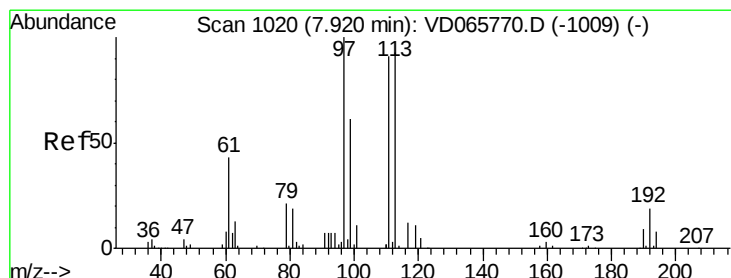
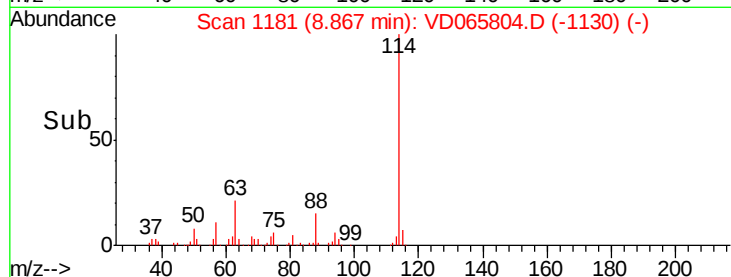
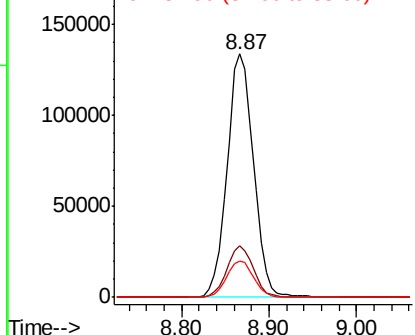
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD065804.D
Acq: 18 Jun 2020 13:25

Instrument :
MSVOA_D
ClientSampleId :
HD-01-061720

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.8
88	15.1	0.0	32.0

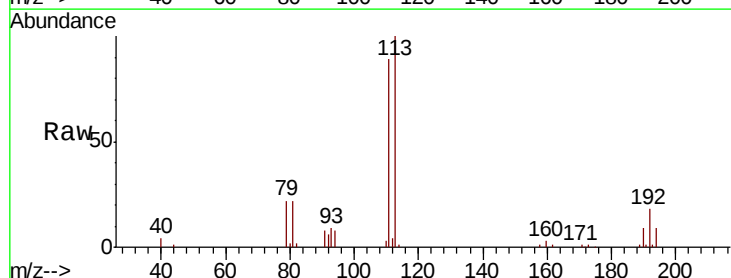


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

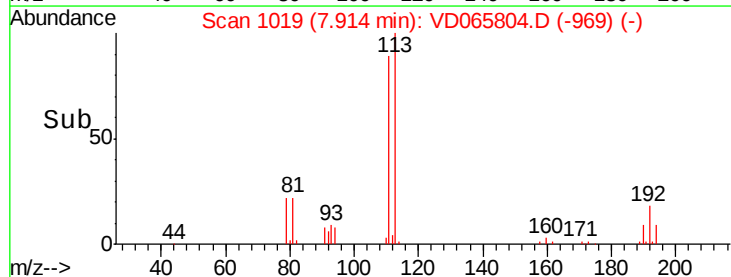
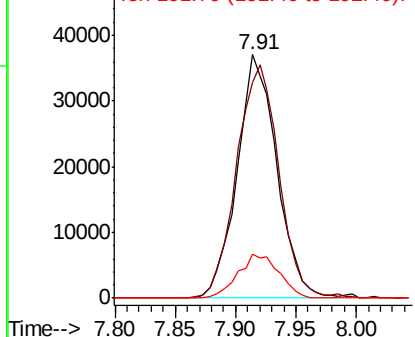


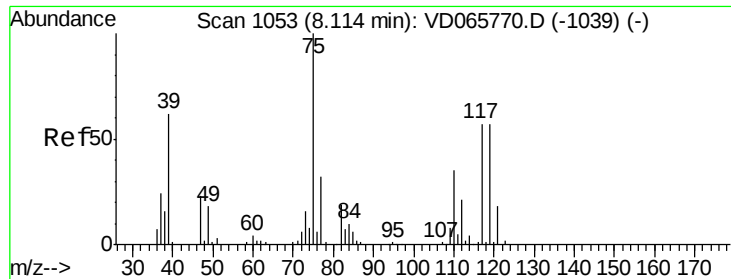
#35
Dibromofluoromethane
Concen: 48.758 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD065804.D
Acq: 18 Jun 2020 13:25

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.4	125.0
192	18.7	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

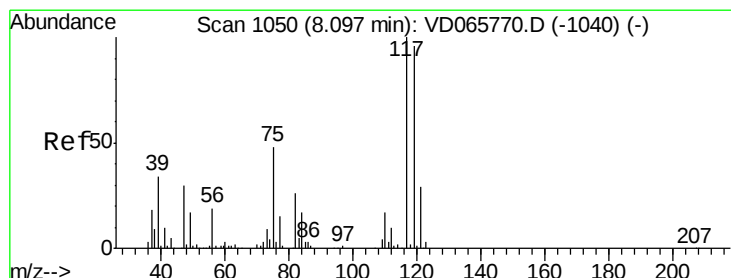
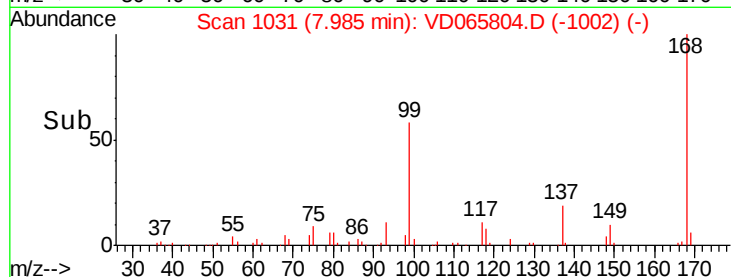
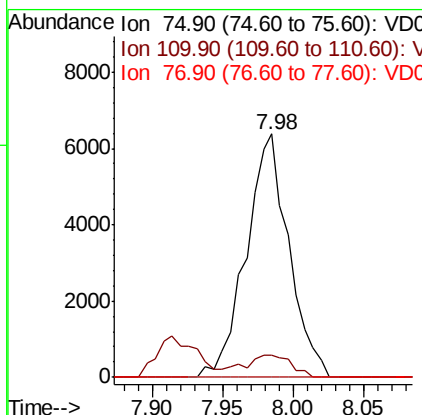
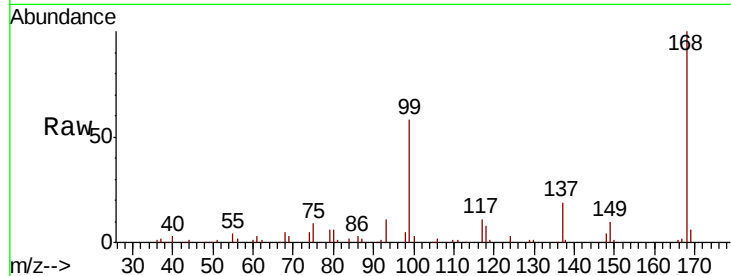




#36
 1,1-Dichloropropene
 Concen: 5.118 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065804.D
 Acq: 18 Jun 2020 13:25

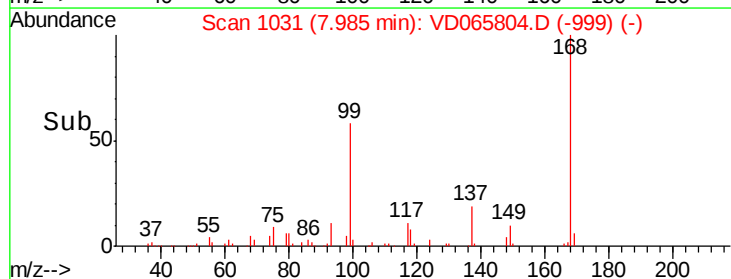
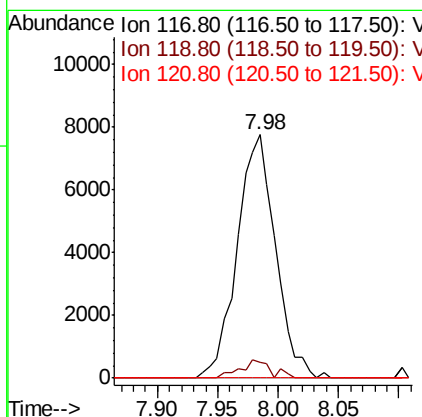
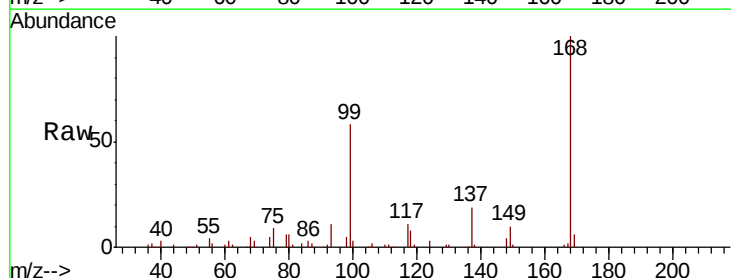
Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-061720

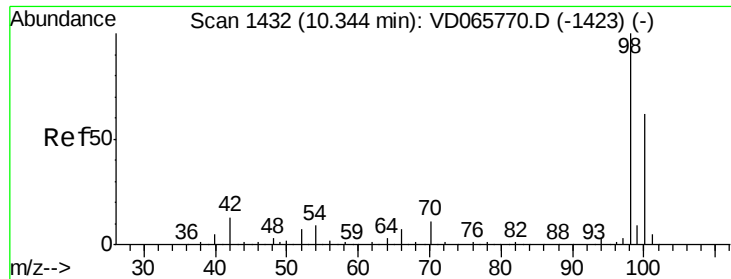
Tot Ion: 75 Resp: 13496
 Ion Ratio Lower Upper
 75 100
 110 10.2 17.6 52.8#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.185 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065804.D
 Acq: 18 Jun 2020 13:25

Tgt Ion: 117 Resp: 17165
 Ion Ratio Lower Upper
 117 100
 119 6.2 76.8 115.2#
 121 0.0 23.4 35.2#

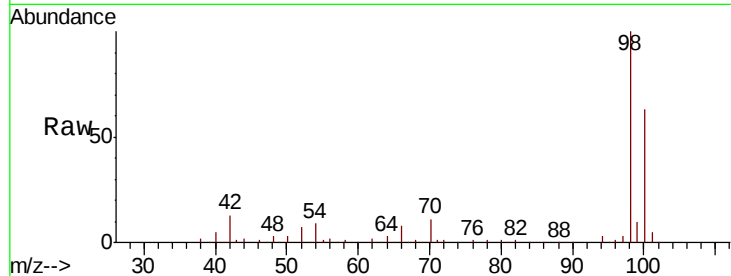




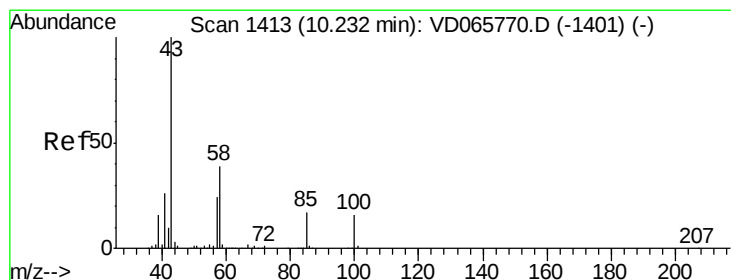
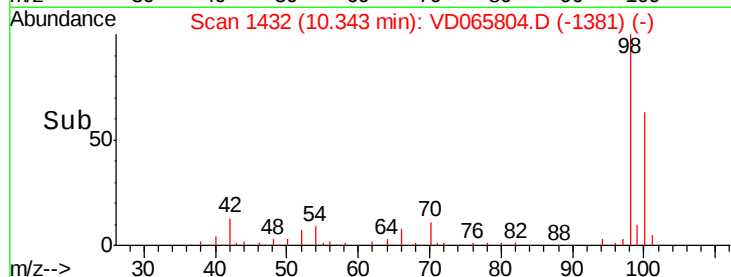
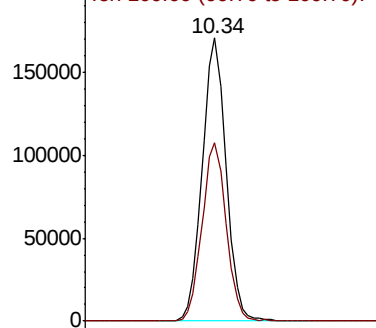
#50
Toluene-d8
Concen: 46.424 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065804.D
Acq: 18 Jun 2020 13:25

Instrument :
MSVOA_D
ClientSampleId :
HD-01-061720

Tot Ion: 98 Resp: 301011
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.2

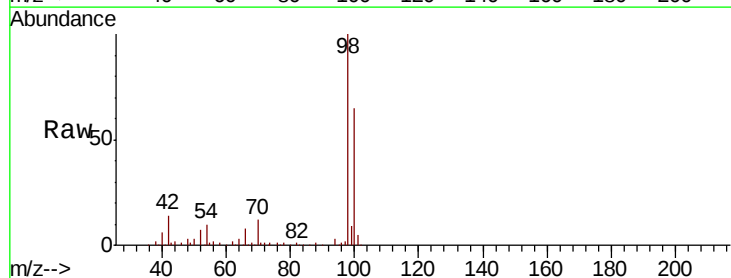


Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

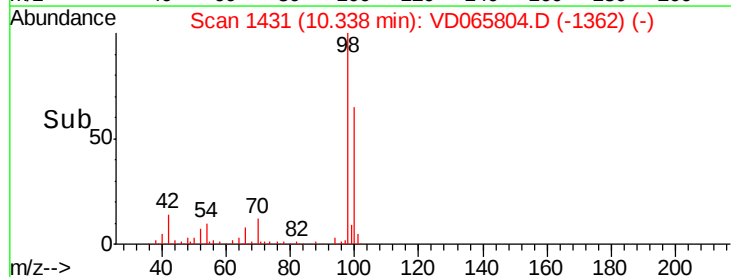
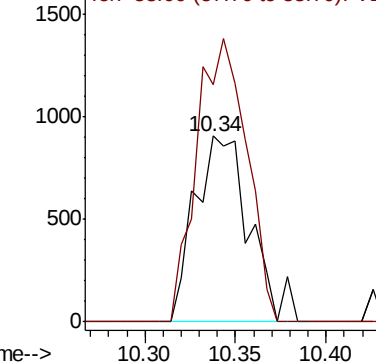


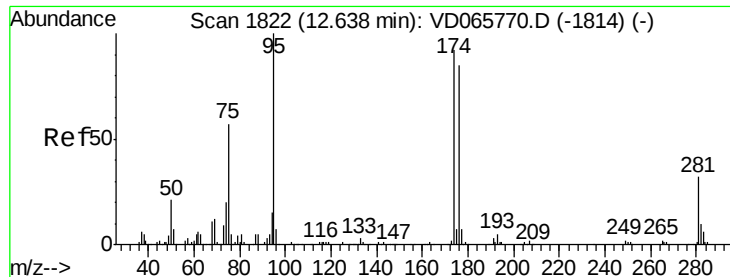
#51
4-Methyl-2-Pentanone
Concen: 1.883 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD065804.D
Acq: 18 Jun 2020 13:25

Tgt Ion: 43 Resp: 1906
Ion Ratio Lower Upper
43 100
58 139.0 30.7 46.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

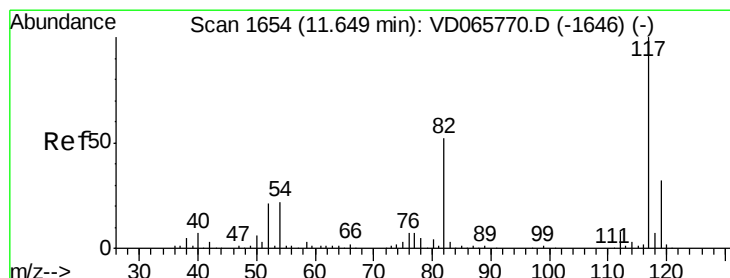
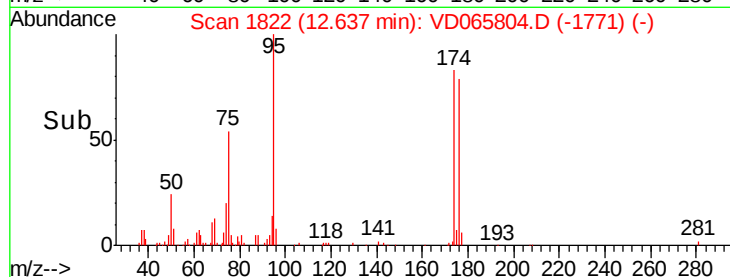
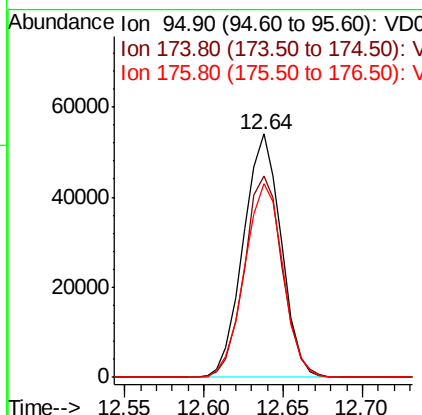
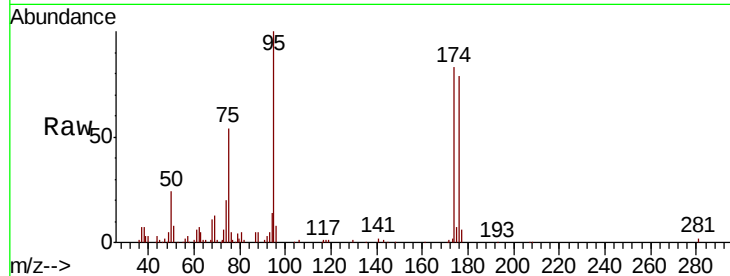




#62
4-Bromofluorobenzene
Concen: 40.733 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065804.D
Acq: 18 Jun 2020 13:25

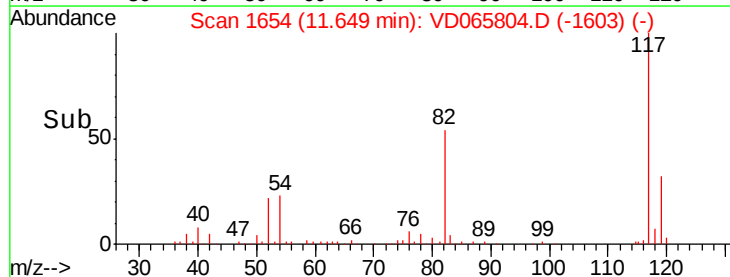
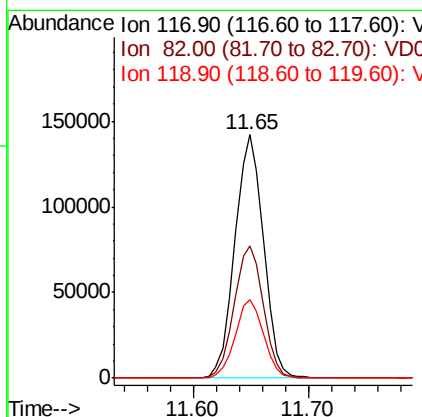
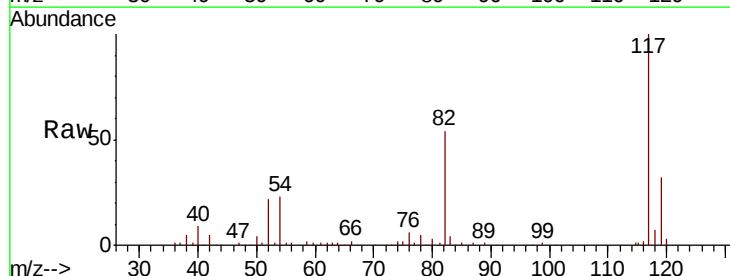
Instrument :
MSVOA_D
ClientSampleId :
HD-01-061720

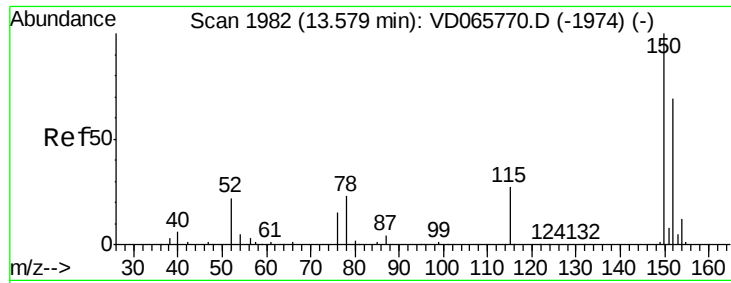
Tot Ion: 95 Resp: 89570
Ion Ratio Lower Upper
95 100
174 83.0 0.0 175.2
176 81.0 0.0 163.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065804.D
Acq: 18 Jun 2020 13:25

Tgt Ion: 117 Resp: 243910
Ion Ratio Lower Upper
117 100
82 54.2 41.9 62.9
119 32.4 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD065804.D

Acq: 18 Jun 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

HD-01-061720

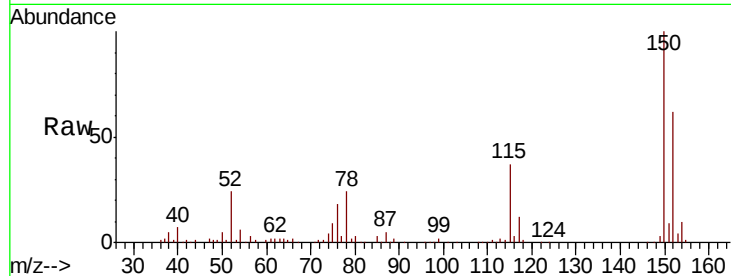
Tot Ion:152 Resp: 100840

Ion Ratio Lower Upper

152 100

115 58.8 28.7 86.1

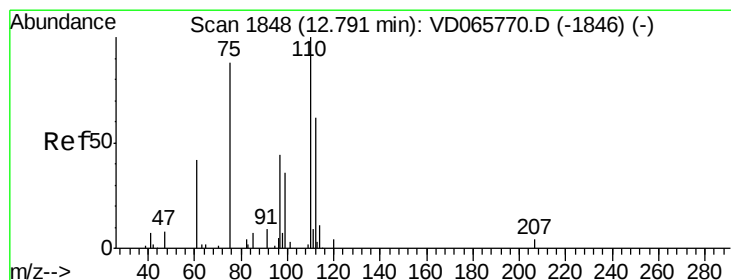
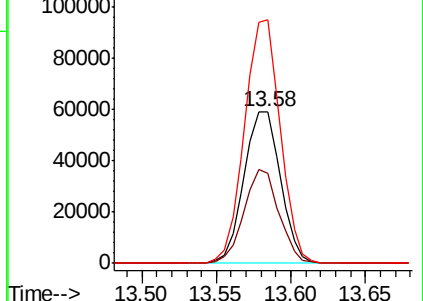
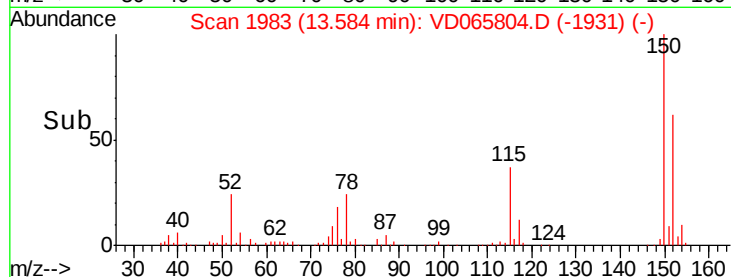
150 156.0 0.0 348.0



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: 63.944 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065804.D

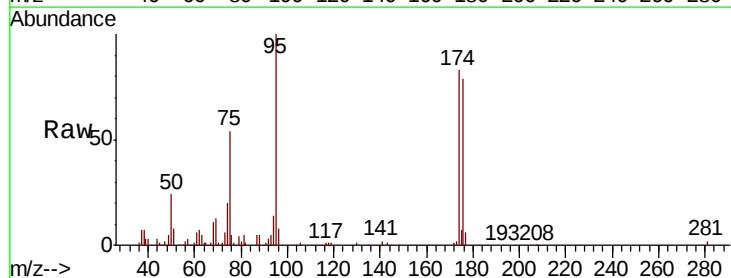
Acq: 18 Jun 2020 13:25

Tgt Ion: 75 Resp: 50148

Ion Ratio Lower Upper

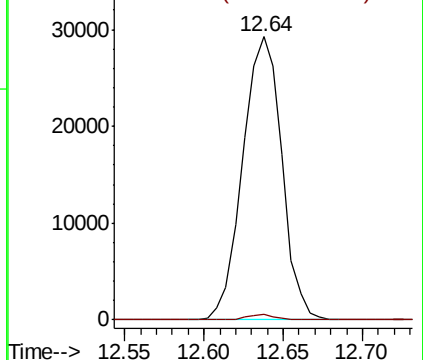
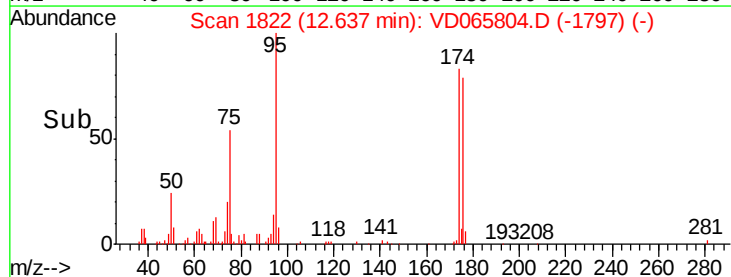
75 100

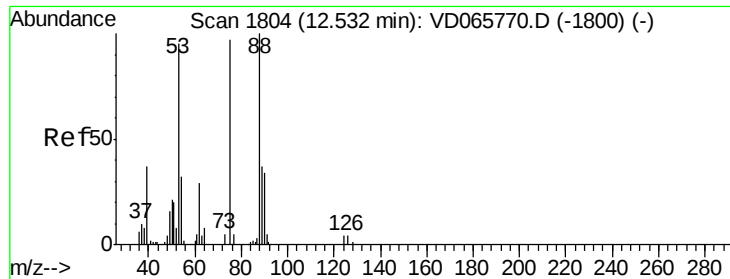
77 1.3 0.0 0.0#



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: 138.159 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065804.D

Acq: 18 Jun 2020 13:25

Instrument :

MSVOA_D

ClientSampleId :

HD-01-061720

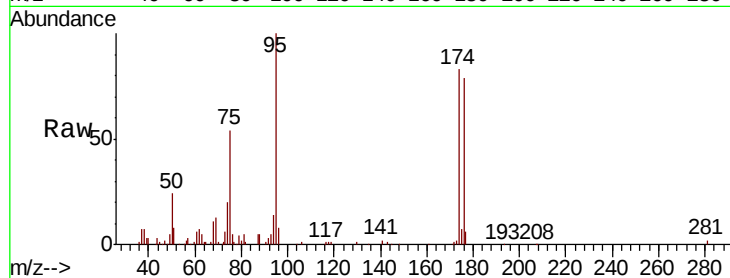
Tot Ion: 75 Resp: 50148

Ion Ratio Lower Upper

75 100

53 0.1 82.6 123.8#

89 0.1 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

