

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\
 Data File : VD066098.D
 Acq On : 29 Jul 2020 19:17
 Operator : VA/SY
 Sample : L3483-01
 Misc : 4.97G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 01:34:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	218791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	362945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	401475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	216132	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	103421	58.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.18%	
35) Dibromofluoromethane	7.91	113	112302	51.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.02%	
50) Toluene-d8	10.34	98	441032	53.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.56%	
62) 4-Bromofluorobenzene	12.64	95	181043	63.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	127.34%	

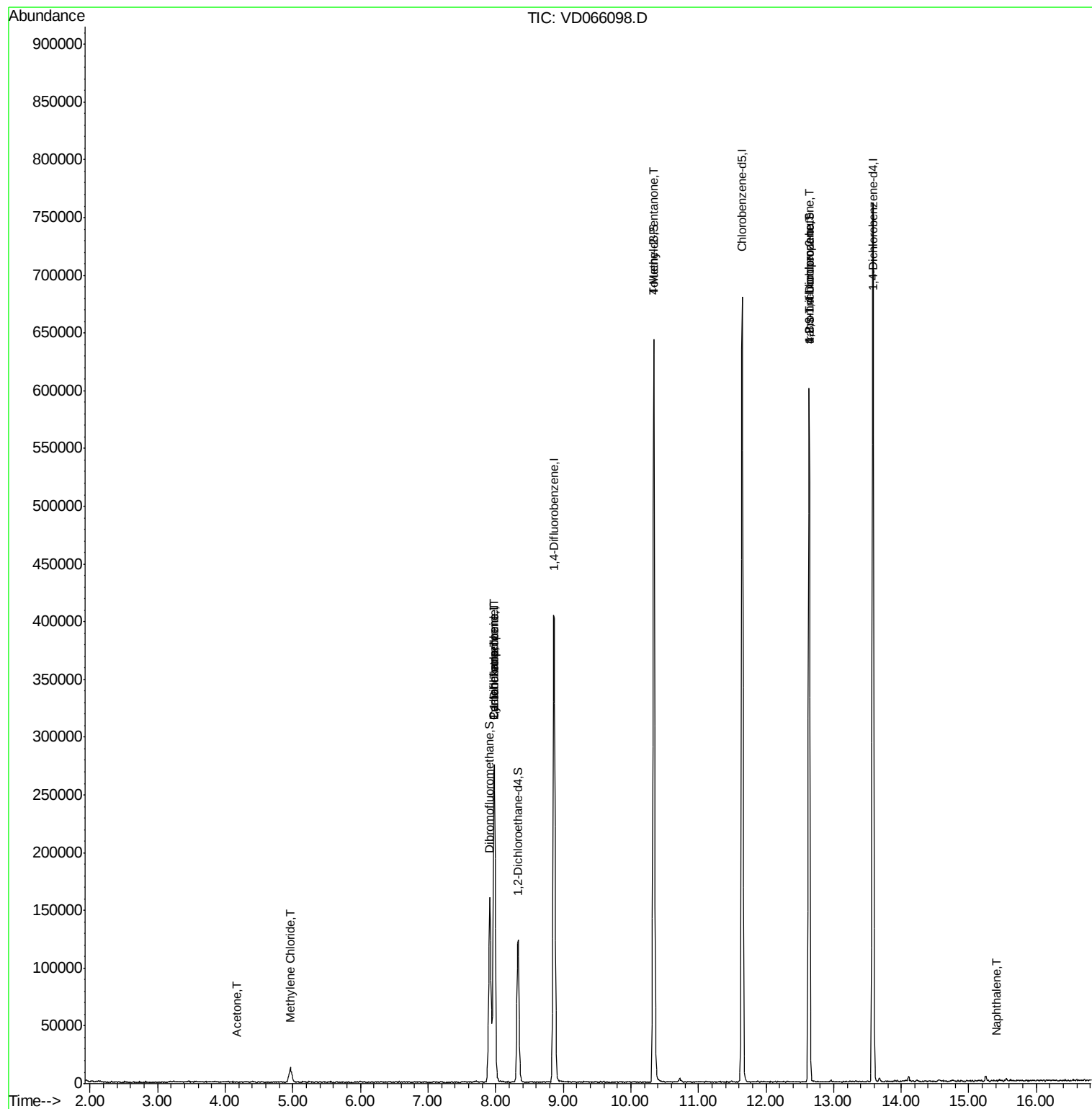
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	428	1.188	ug/l #	42
20) Methylene Chloride	4.96	84	9344	1.833	ug/l	94
31) Cyclohexane	7.98	56	3556	1.110	ug/l #	20
36) 1,1-Dichloropropene	7.97	75	14160	4.571	ug/l #	44
38) Carbon Tetrachloride	7.98	117	20391	6.067	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	2008	1.725	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	93465	57.433	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	93465	131.790	ug/l #	11
95) Naphthalene	15.41	128	138	3.566	ug/l #	68

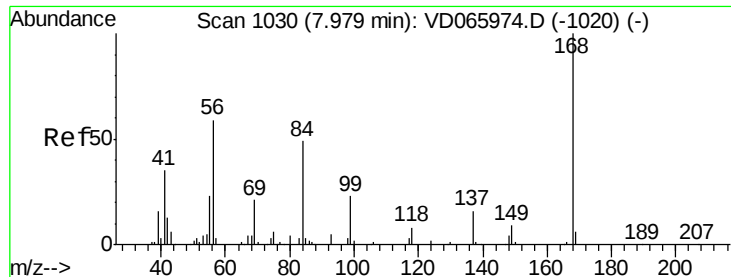
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072920\
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Quant Time: Jul 30 01:34:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066098.D

Acq: 29 Jul 2020 19:17

Instrument :

MSVOA_D

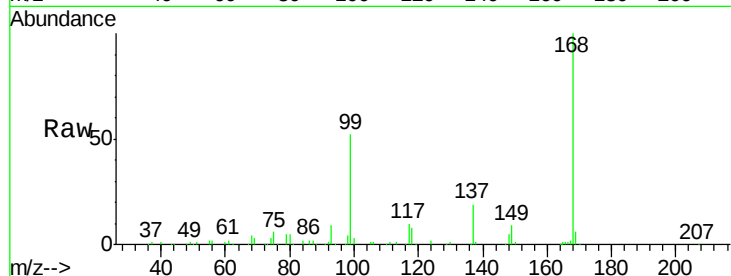
ClientSampleId :

Tot Ion:168 Resp: 218791

Ion Ratio Lower Upper

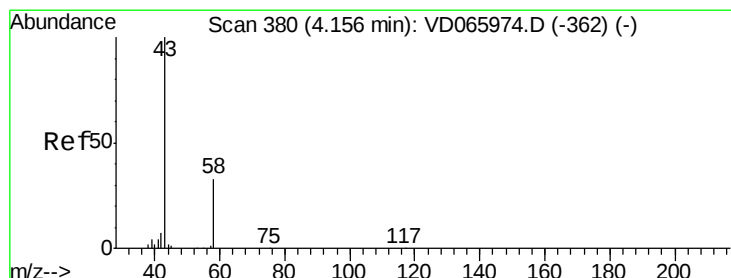
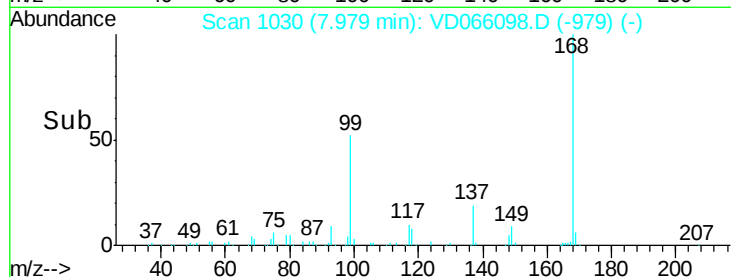
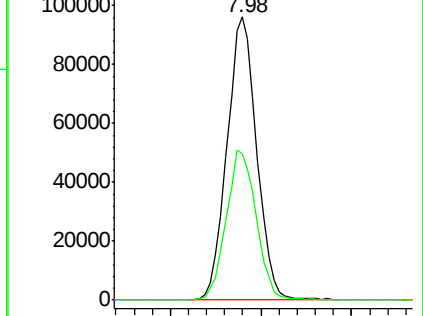
168 100

99 51.5 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 1.188 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066098.D

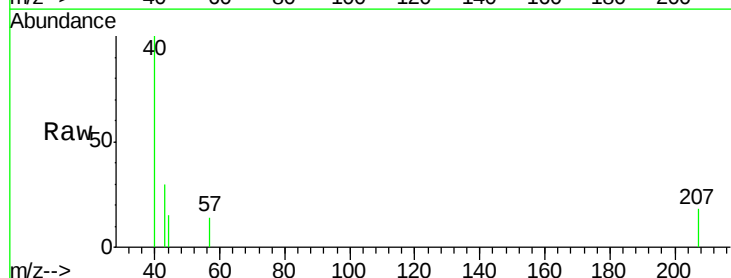
Acq: 29 Jul 2020 19:17

Tgt Ion: 43 Resp: 428

Ion Ratio Lower Upper

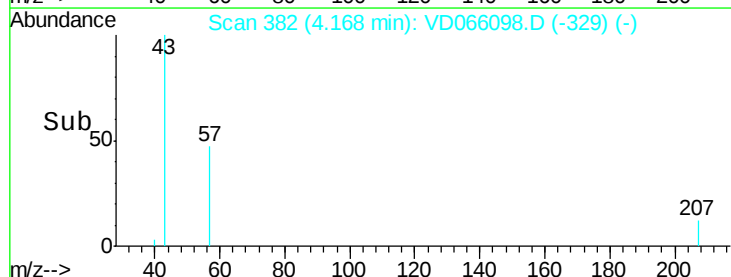
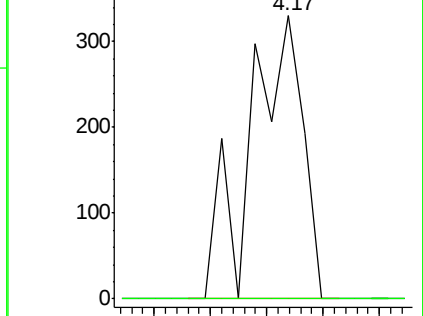
43 100

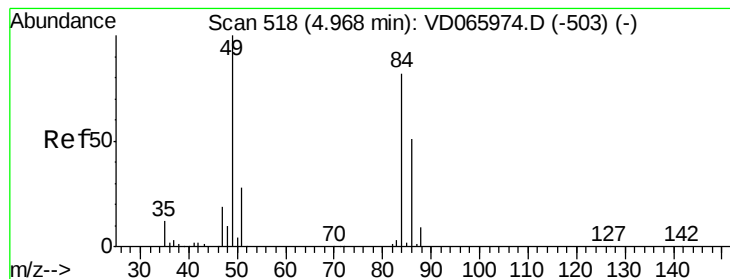
58 0.0 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#20

Methvlene Chloride

Concen: 1.833 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066098.D

Acq: 29 Jul 2020 19:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 9344

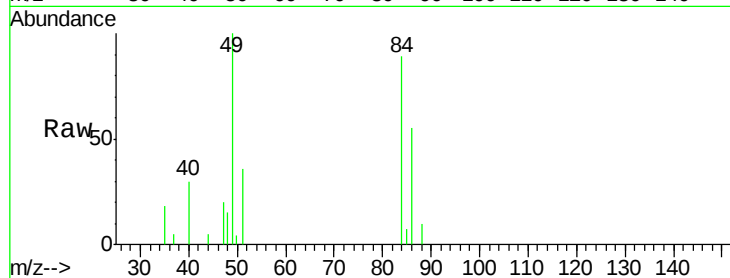
Ion Ratio Lower Upper

84 100

49 112.9 97.7 146.5

51 40.7 27.4 41.2

86 62.2 49.4 74.2

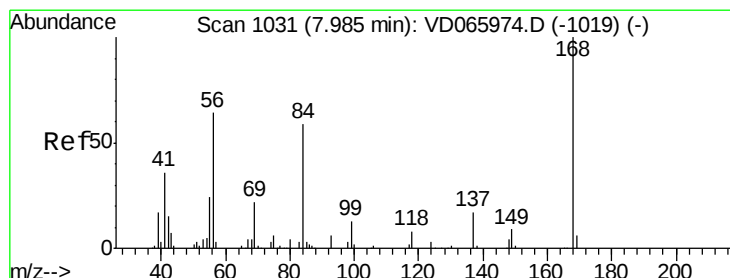
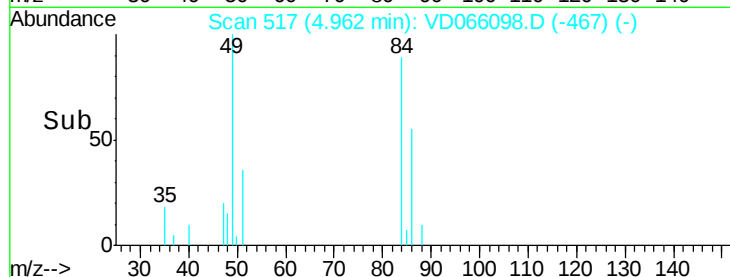
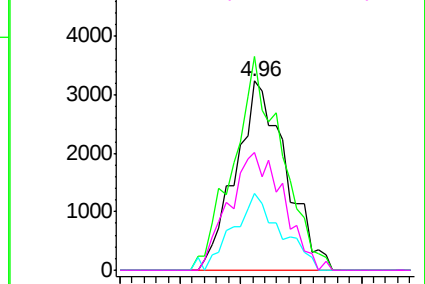


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#31

Cyclohexane

Concen: 1.110 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066098.D

Acq: 29 Jul 2020 19:17

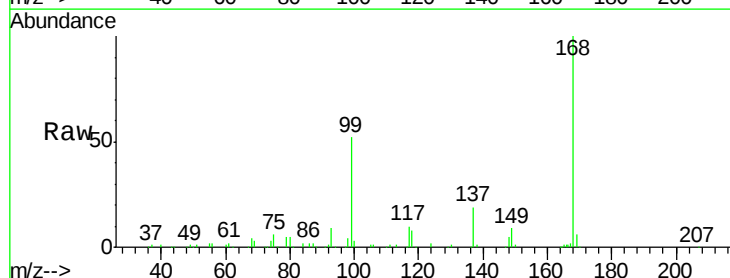
Tgt Ion: 56 Resp: 3556

Ion Ratio Lower Upper

56 100

69 167.5 28.0 42.0#

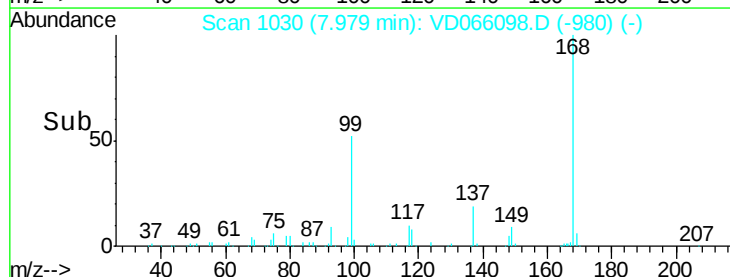
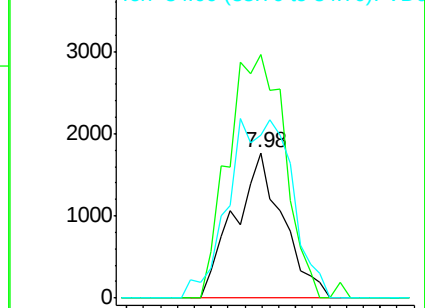
84 112.4 72.6 109.0#

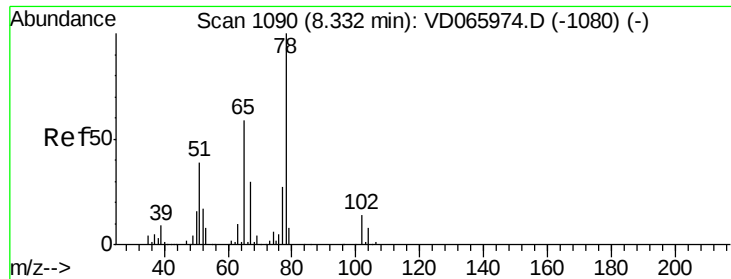


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

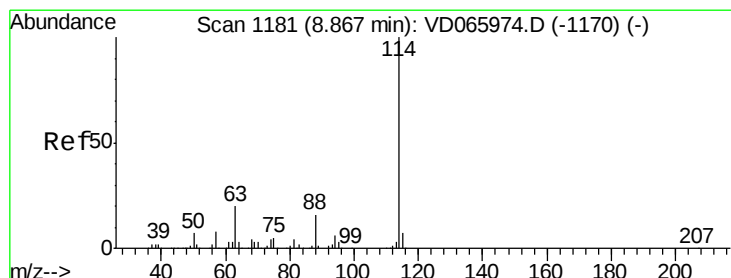
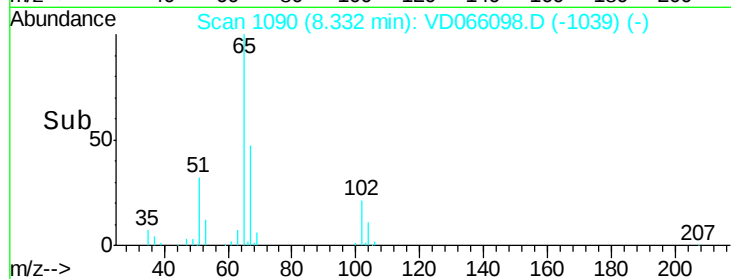
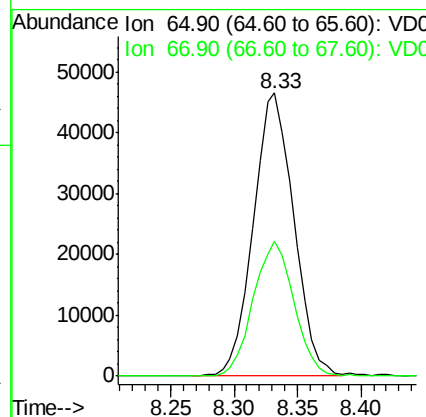
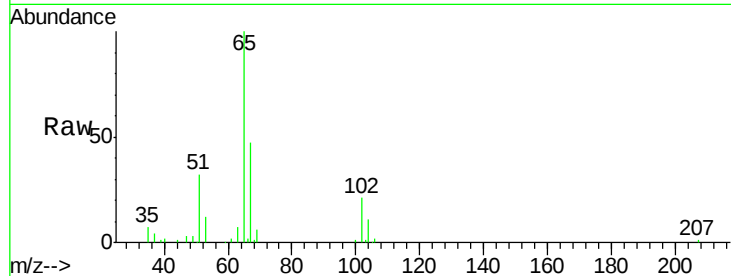




#33
 1,2-Dichloroethane-d4
 Concen: 58.093 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066098.D
 Acq: 29 Jul 2020 19:17

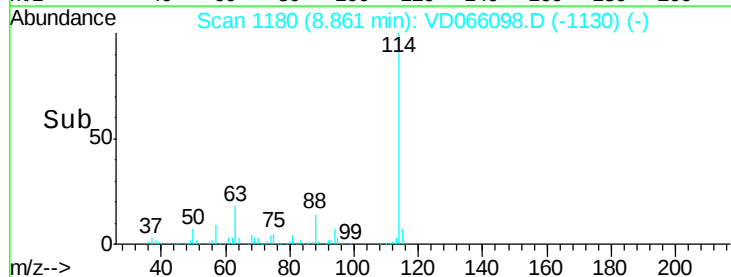
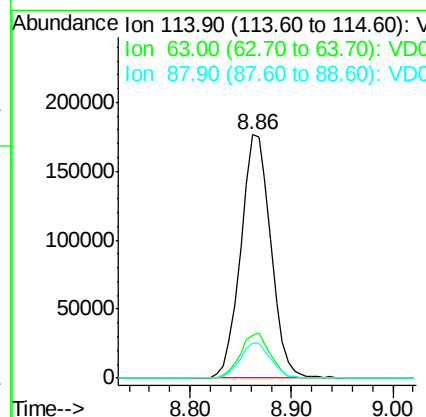
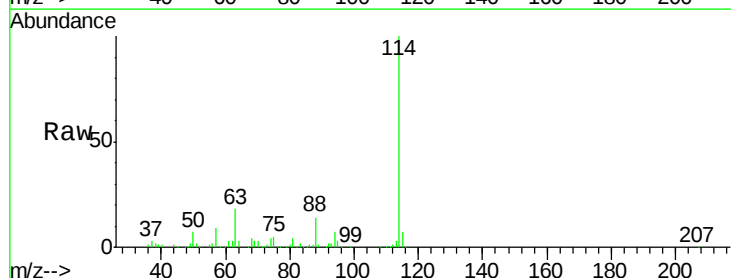
Instrument :
 MSVOA_D
 ClientSampled :

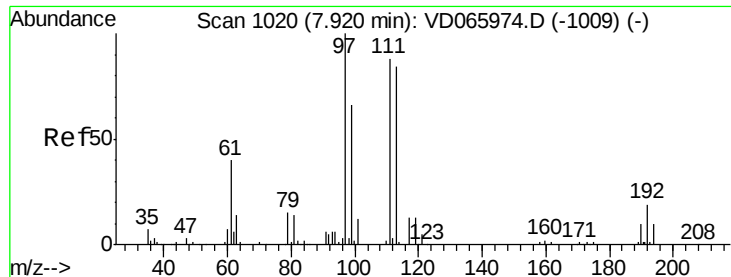
Tot Ion: 65 Resp: 103421
 Ion Ratio Lower Upper
 65 100
 67 47.9 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD066098.D
 Acq: 29 Jul 2020 19:17

Tgt Ion: 114 Resp: 362945
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 39.6
 88 14.3 0.0 31.2





#35

Dibromofluoromethane

Concen: 51.014 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD066098.D

Acq: 29 Jul 2020 19:17

Instrument :
MSVOA_D
ClientSampleId :

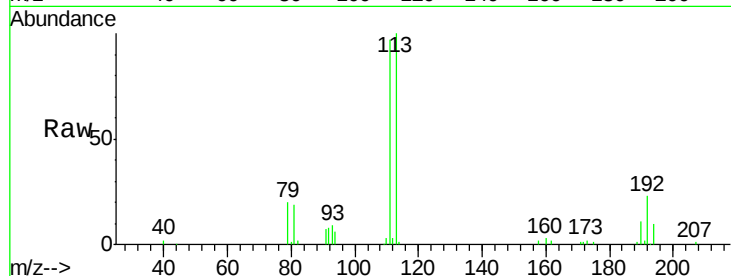
Tot Ion:113 Resp: 112302

Ion Ratio Lower Upper

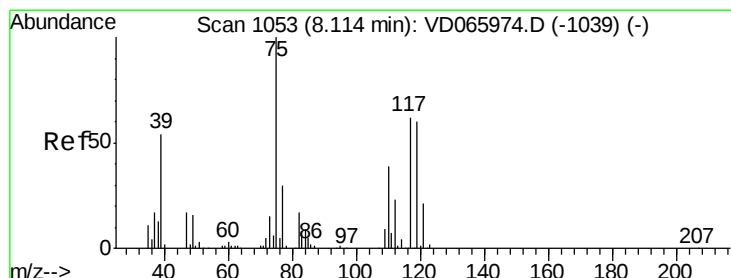
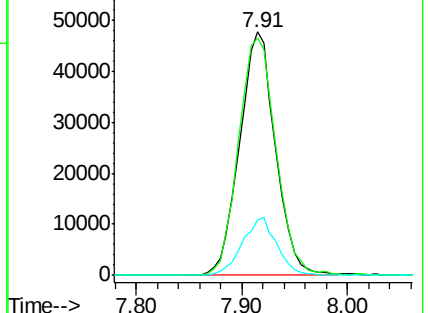
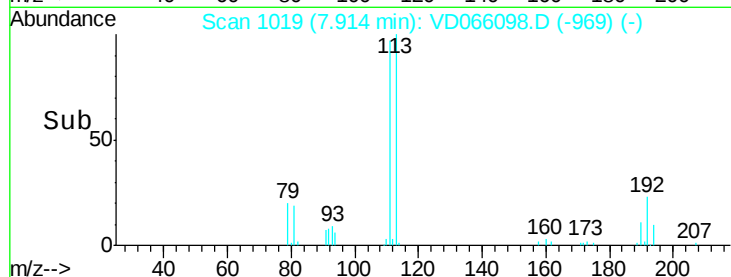
113 100

111 102.0 83.2 124.8

192 22.9 18.7 28.1



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: 4.571 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066098.D

Acq: 29 Jul 2020 19:17

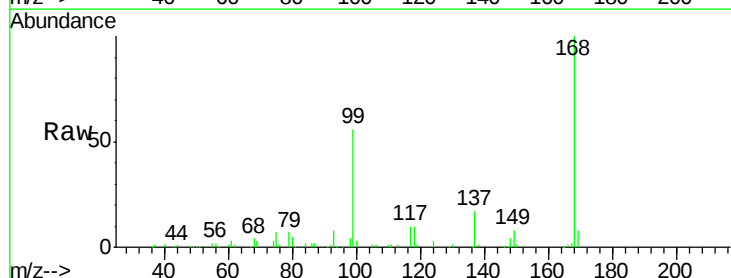
Tgt Ion: 75 Resp: 14160

Ion Ratio Lower Upper

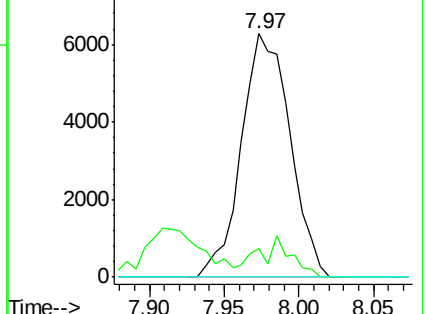
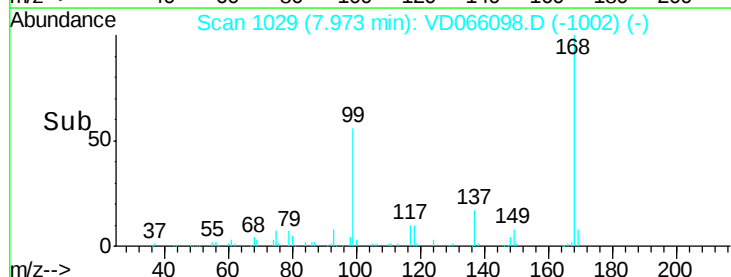
75 100

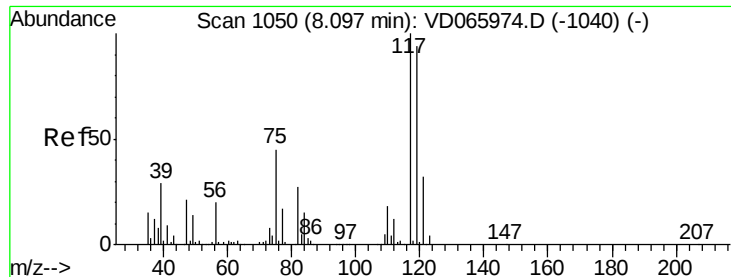
110 4.9 19.5 58.5#

77 0.0 24.7 37.1#



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

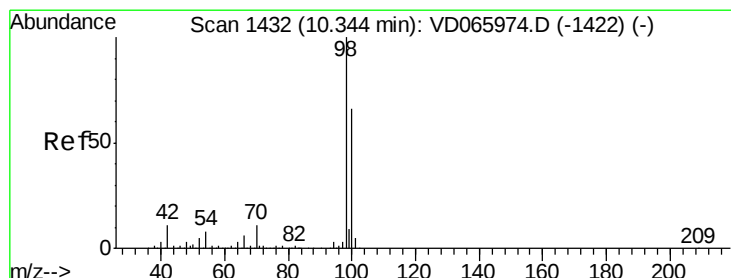
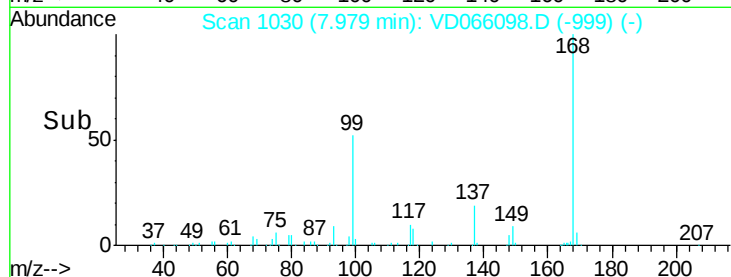
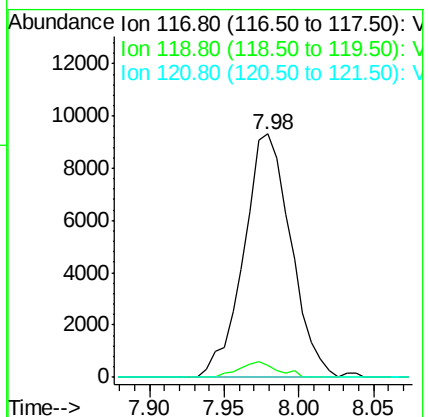
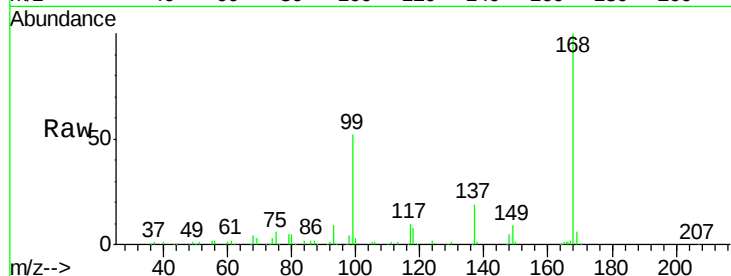




#38
Carbon Tetrachloride
Concen: 6.067 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD066098.D
Acq: 29 Jul 2020 19:17

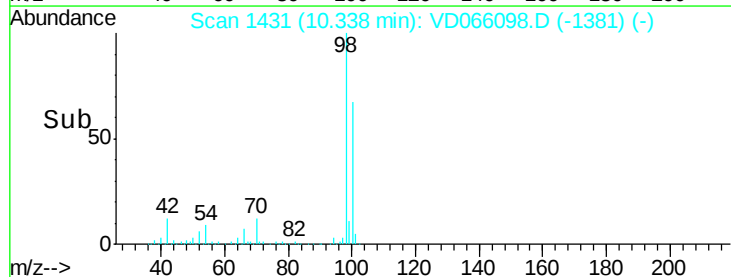
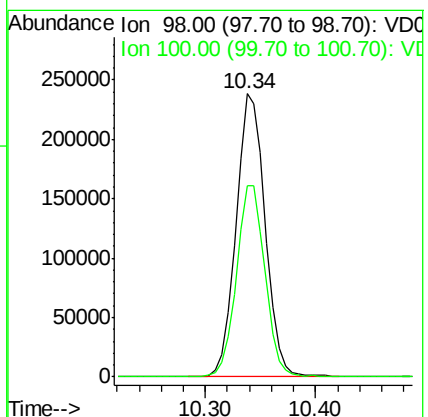
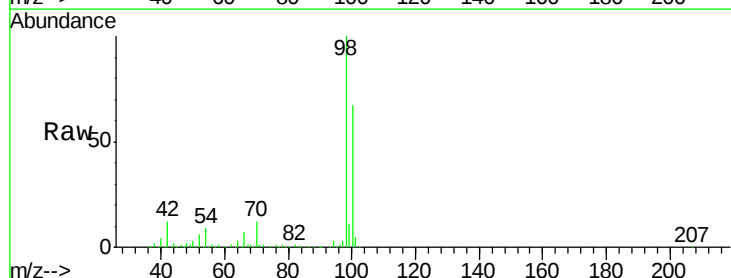
Instrument :
MSVOA_D
ClientSampleId :

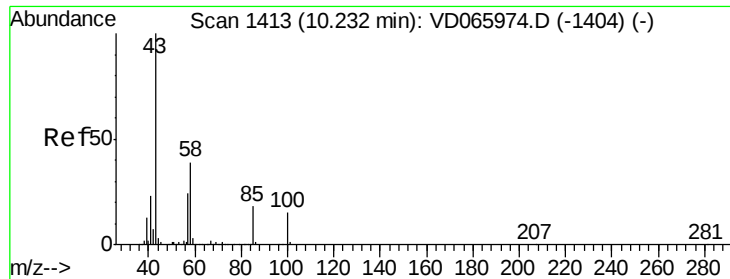
Tot Ion:117 Resp: 20391
Ion Ratio Lower Upper
117 100
119 5.1 75.0 112.6#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 53.780 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD066098.D
Acq: 29 Jul 2020 19:17

Tgt Ion: 98 Resp: 441032
Ion Ratio Lower Upper
98 100
100 66.6 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 1.725 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD066098.D

Acq: 29 Jul 2020 19:17

Instrument :

MSVOA_D

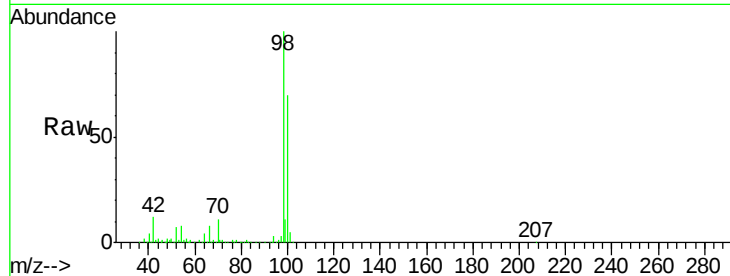
ClientSampled :

Tot Ion: 43 Resp: 2008

Ion Ratio Lower Upper

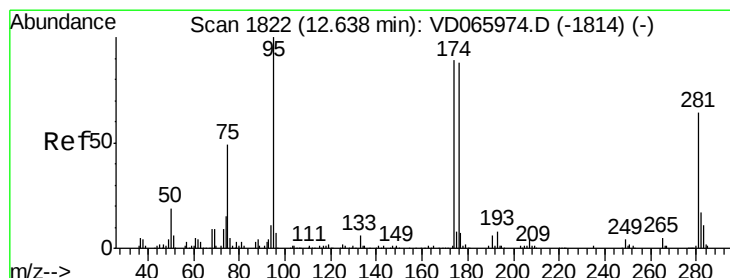
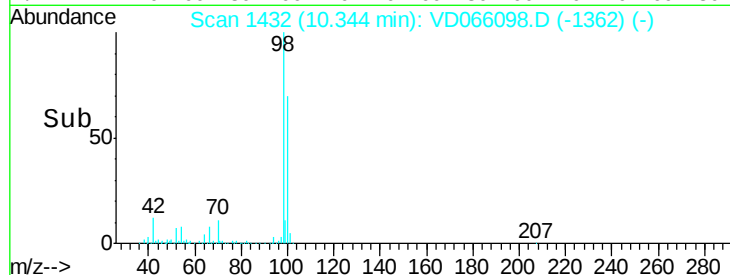
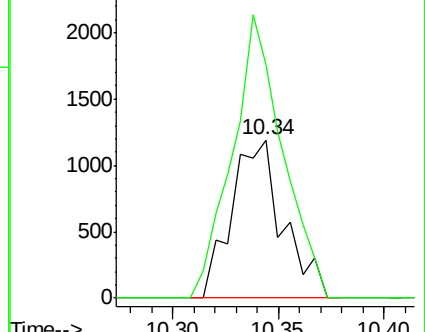
43 100

58 175.5 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 63.669 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD066098.D

Acq: 29 Jul 2020 19:17

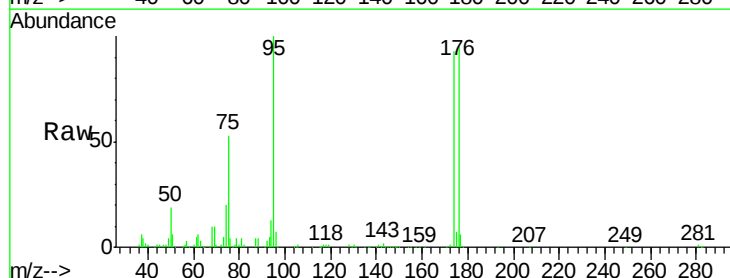
Tgt Ion: 95 Resp: 181043

Ion Ratio Lower Upper

95 100

174 94.6 0.0 178.8

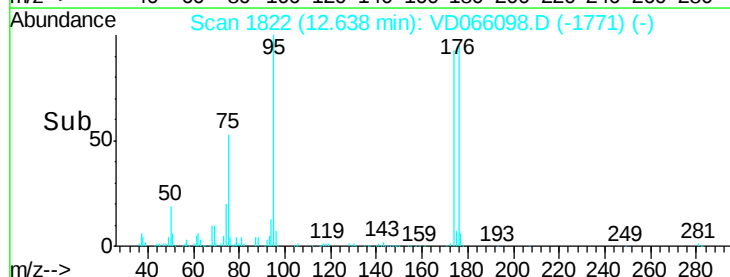
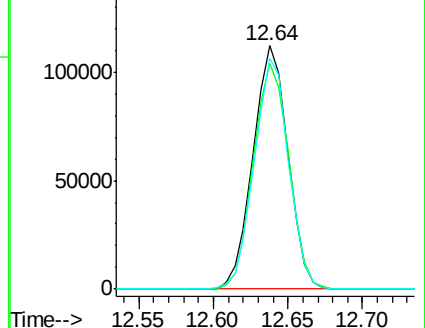
176 93.6 0.0 172.6

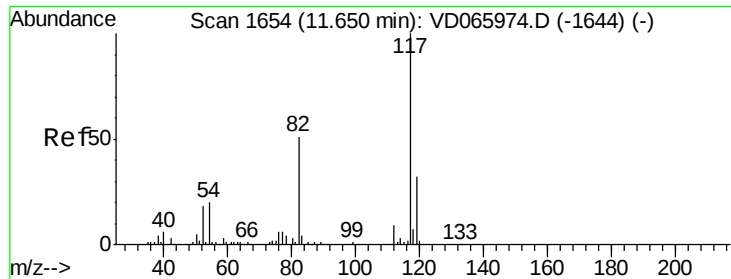


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

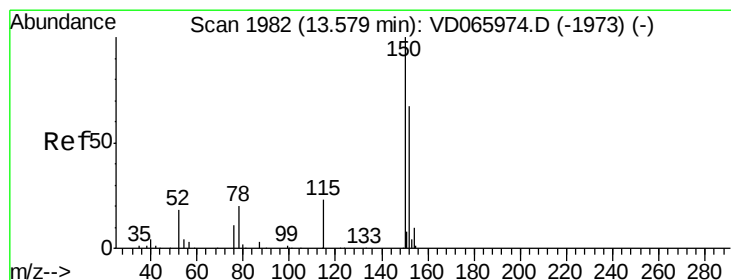
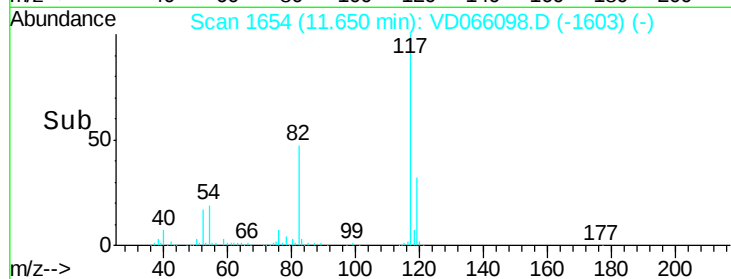
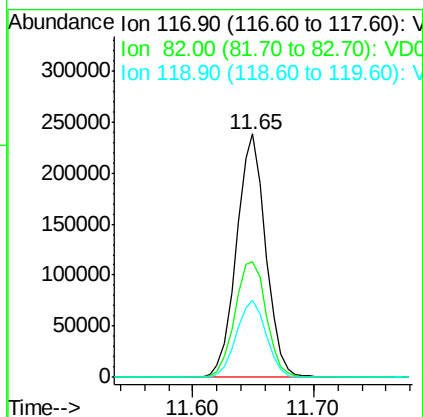
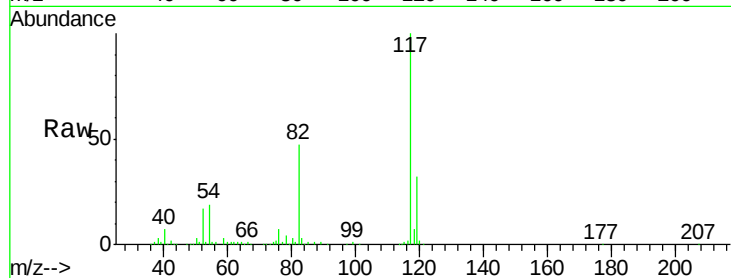




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066098.D
Acq: 29 Jul 2020 19:17

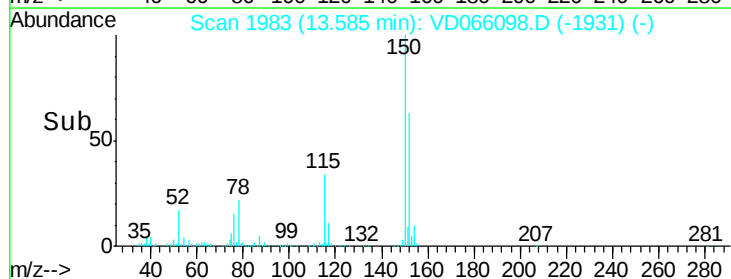
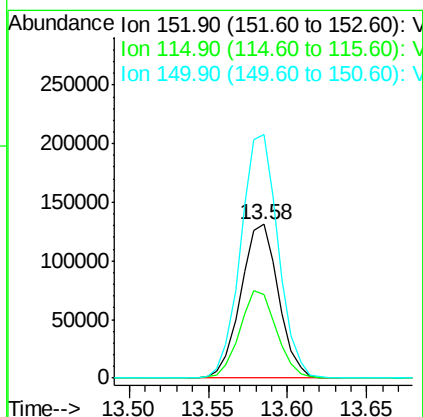
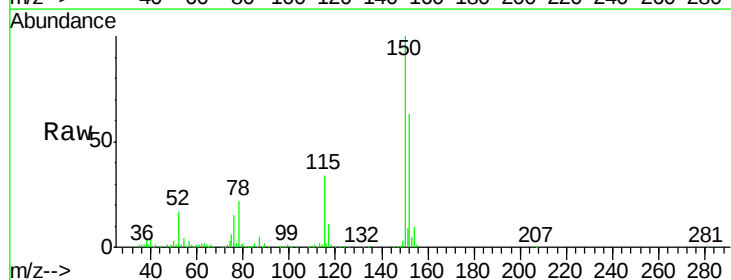
Instrument :
MSVOA_D
ClientSampleId :

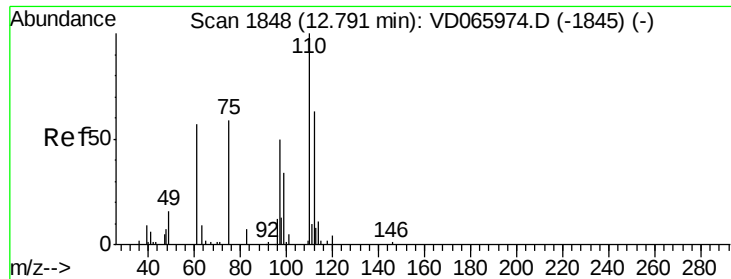
Tot Ion:117 Resp: 401475
Ion Ratio Lower Upper
117 100
82 47.3 41.1 61.7
119 31.8 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066098.D
Acq: 29 Jul 2020 19:17

Tgt Ion:152 Resp: 216132
Ion Ratio Lower Upper
152 100
115 55.9 27.9 83.7
150 158.1 0.0 348.2

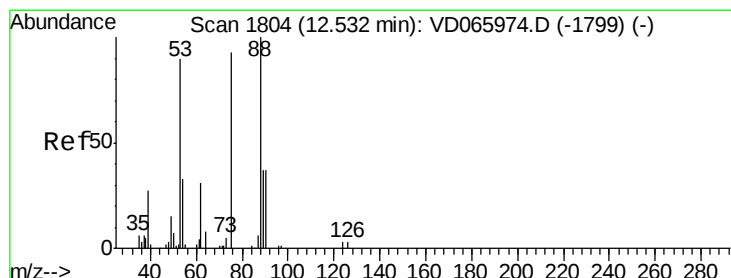
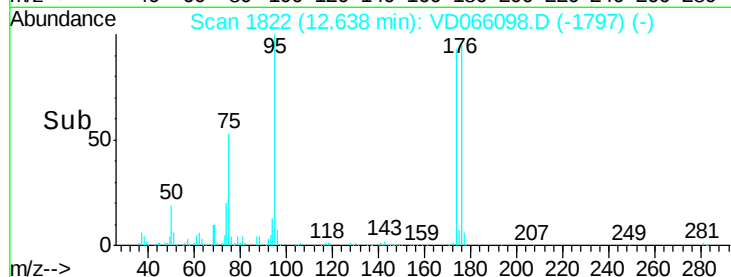
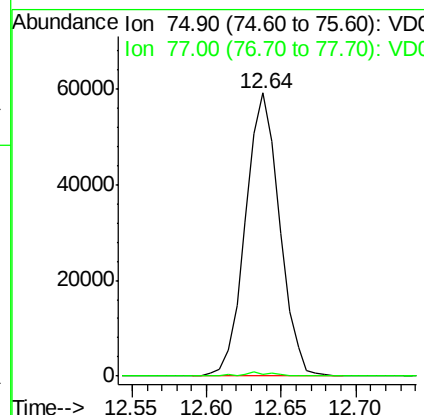
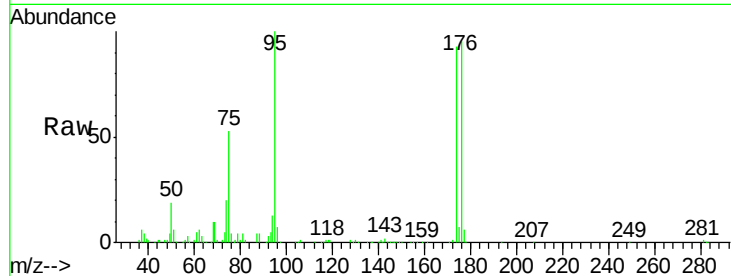




#76
 1,2,3-Trichloropropane
 Concen: 57.433 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD066098.D
 Acq: 29 Jul 2020 19:17

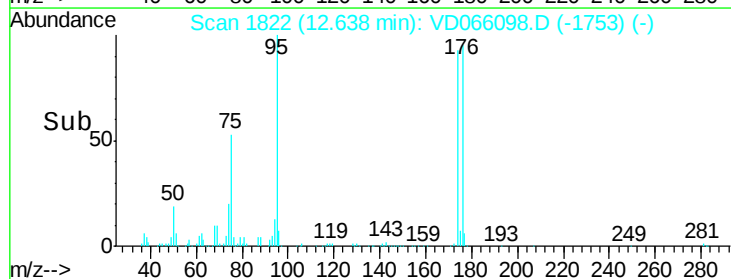
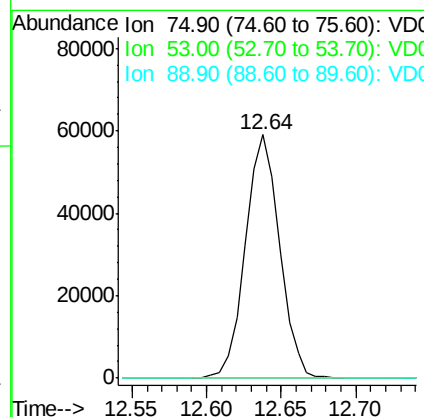
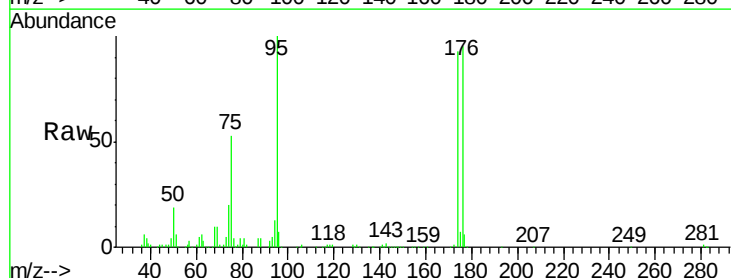
Instrument :
 MSVOA_D
 ClientSampleId :

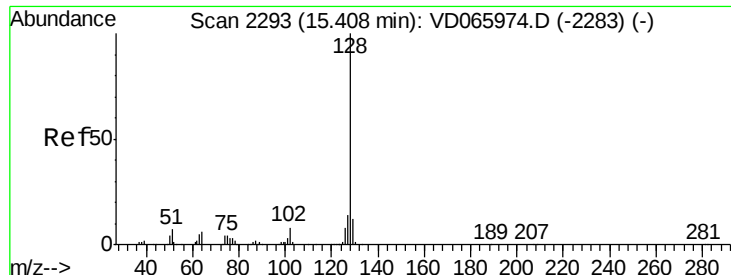
Tot Ion: 75 Resp: 93465
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.790 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD066098.D
 Acq: 29 Jul 2020 19:17

Tgt Ion: 75 Resp: 93465
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.8 115.2#
 89 0.0 37.0 55.4#

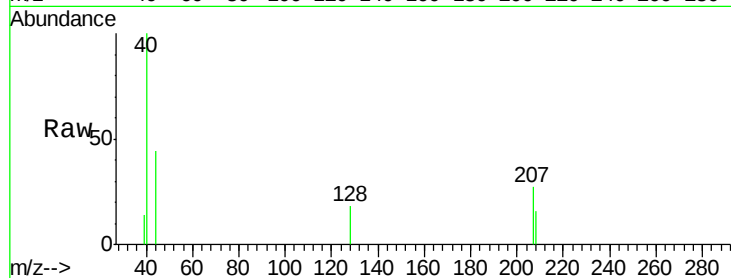




#95
Naphthalene
Concen: 3.566 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066098.D
Acq: 29 Jul 2020 19:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.8	16.2#
129	0.0	8.9	13.3#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

