

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\
 Data File : VD066088.D
 Acq On : 29 Jul 2020 14:42
 Operator : VA/SY
 Sample : L3489-04
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 01:30:21 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	7.97	168	93368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	146877	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	176422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	103912	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	58423	76.90	ug/l	0.00
Spiked Amount			Recovery	=	153.80%	
35) Dibromofluoromethane	7.91	113	54349	61.01	ug/l	0.00
Spiked Amount			Recovery	=	122.02%	
50) Toluene-d8	10.34	98	186259	56.12	ug/l	0.00
Spiked Amount			Recovery	=	112.24%	
62) 4-Bromofluorobenzene	12.64	95	84920	73.80	ug/l	0.00
Spiked Amount			Recovery	=	147.60%	

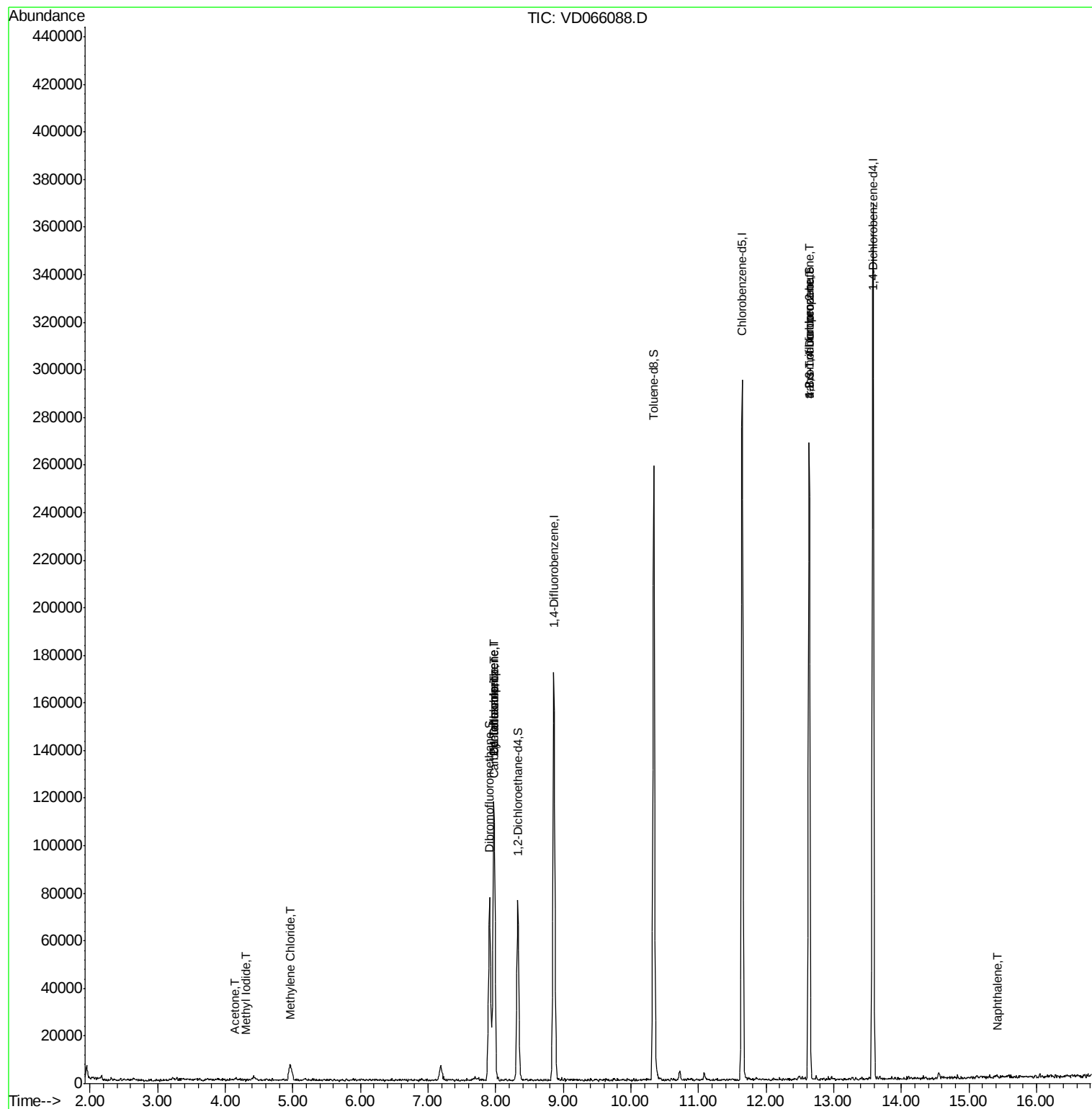
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.91	94	117	Below Cal	#	4
10) Methyl Iodide	4.31	142	61	8.874	ug/l #	42
11) Tert butyl alcohol	5.20	59	133	Below Cal	#	83
16) Acetone	4.14	43	632	4.110	ug/l	95
20) Methylene Chloride	4.96	84	5253	3.415	ug/l #	78
31) Cyclohexane	7.97	56	1821	1.332	ug/l #	20
36) 1,1-Dichloropropene	7.98	75	5656	4.512	ug/l #	52
38) Carbon Tetrachloride	7.98	117	9577	7.041	ug/l #	13
76) 1,2,3-Trichloropropane	12.64	75	41301	52.787	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	41301	121.129	ug/l #	11
95) Naphthalene	15.41	128	775	3.765	ug/l #	68

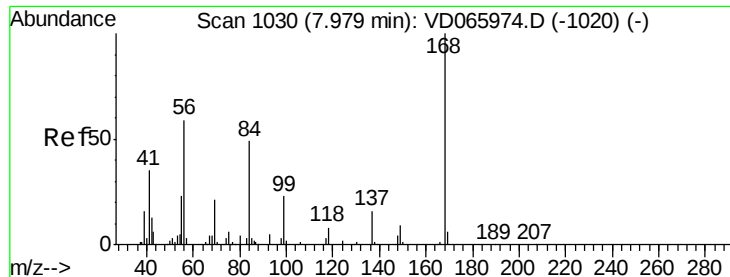
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072920\
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Quant Time: Jul 30 01:30:21 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: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066088.D

Acq: 29 Jul 2020 14:42

Instrument :

MSVOA_D

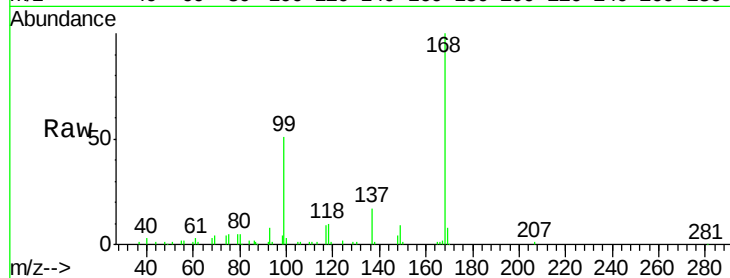
ClientSampleId :

Tot Ion:168 Resp: 93368

Ion Ratio Lower Upper

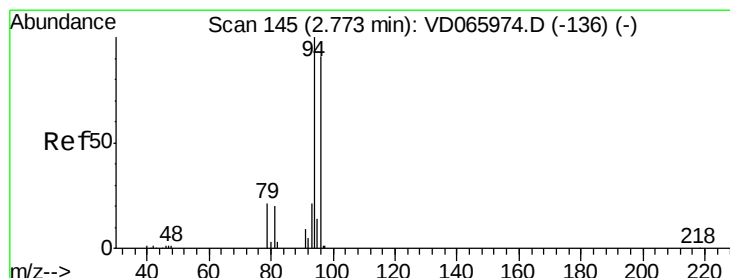
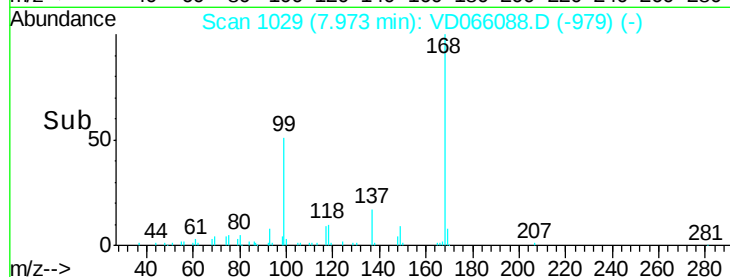
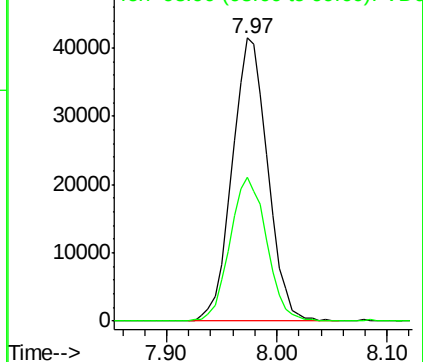
168 100

99 51.1 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.91 min Scan# 169

Delta R.T. 0.14 min

Lab File: VD066088.D

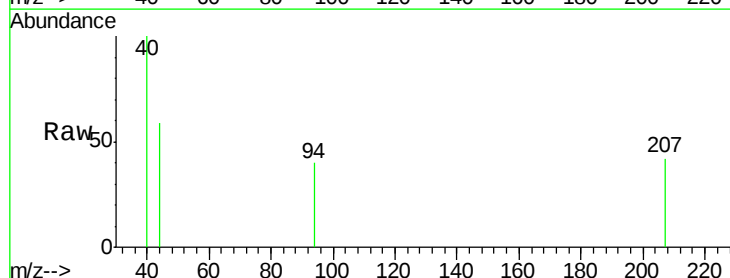
Acq: 29 Jul 2020 14:42

Tgt Ion: 94 Resp: 117

Ion Ratio Lower Upper

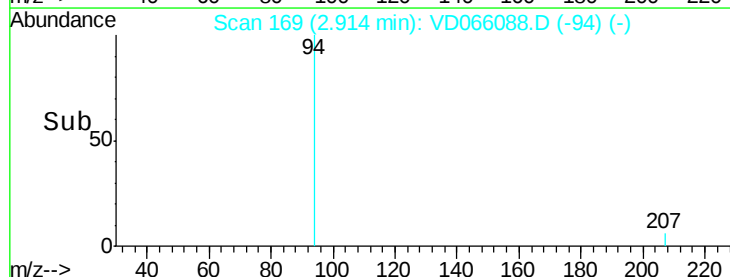
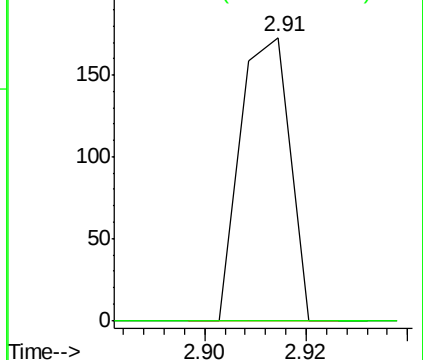
94 100

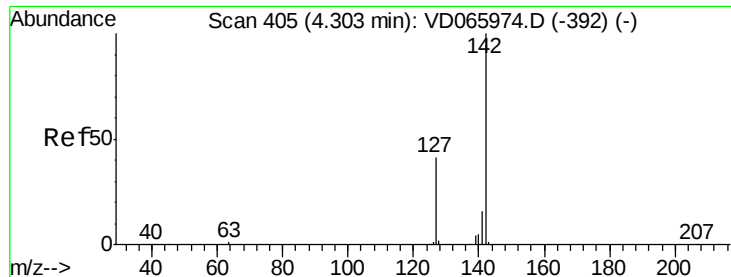
96 0.0 73.0 109.4#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

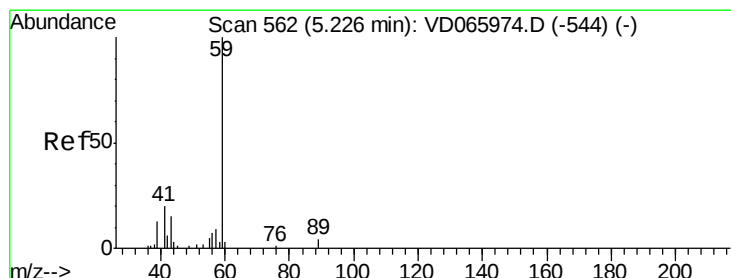
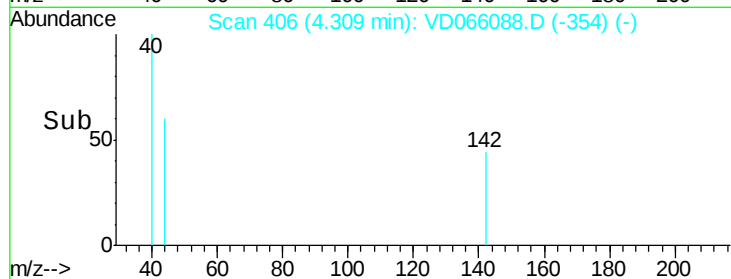
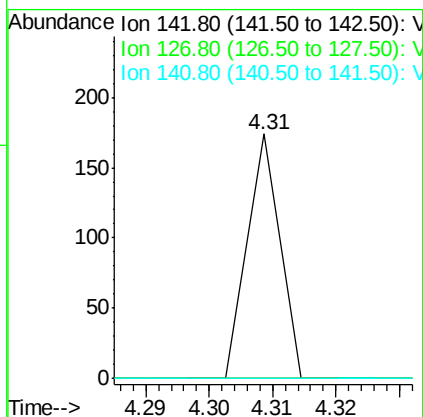
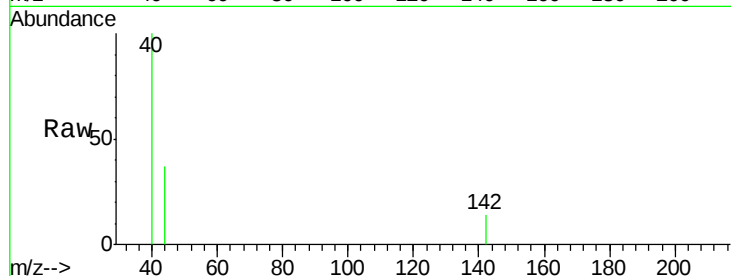




#10
Methyl Iodide
Concen: 8.874 ug/l
RT: 4.31 min Scan# 406
Delta R.T. 0.01 min
Lab File: VD066088.D
Acq: 29 Jul 2020 14:42

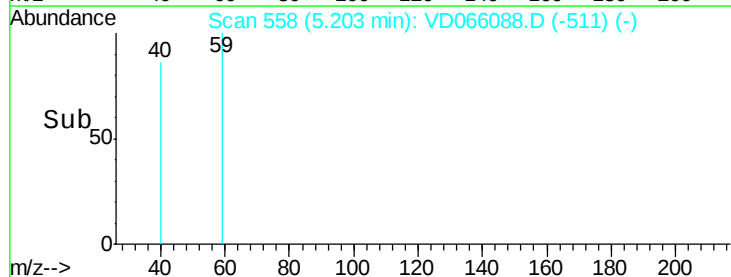
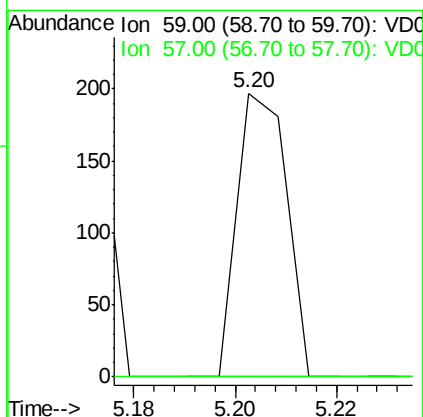
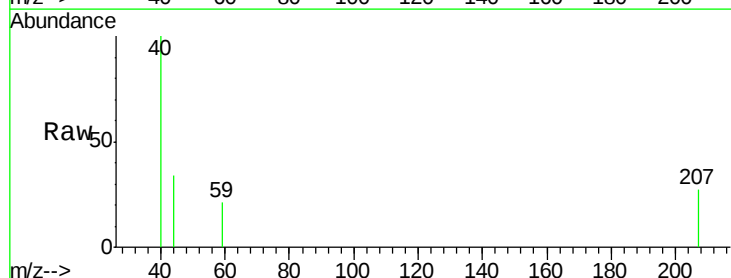
Instrument :
MSVOA_D
ClientSampled :

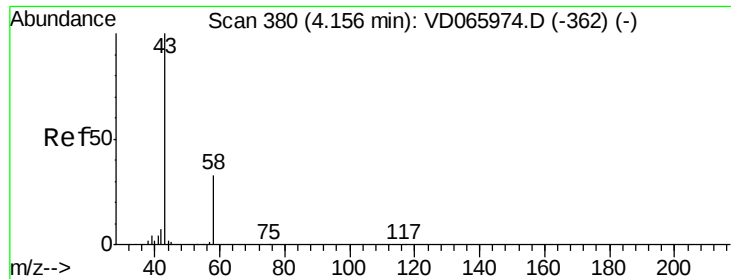
Tot Ion:142 Resp: 61
Ion Ratio Lower Upper
142 100
127 0.0 32.9 49.3#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD066088.D
Acq: 29 Jul 2020 14:42

Tgt Ion: 59 Resp: 133
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#





#16

Acetone

Concen: 4.110 ug/l

RT: 4.14 min Scan# 378

Delta R.T. -0.01 min

Lab File: VD066088.D

Acq: 29 Jul 2020 14:42

Instrument :

MSVOA_D

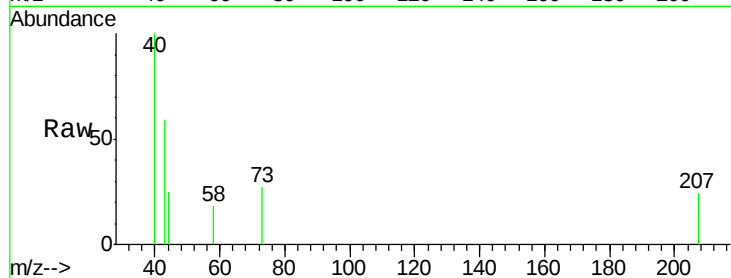
ClientSampleId :

Tot Ion: 43 Resp: 632

Ion Ratio Lower Upper

43 100

58 30.1 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

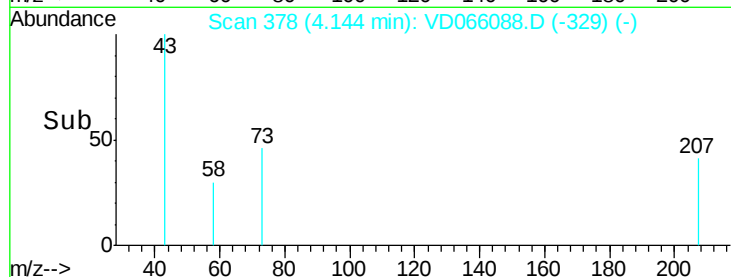
Ion 58.00 (57.70 to 58.70): VDC

4.14

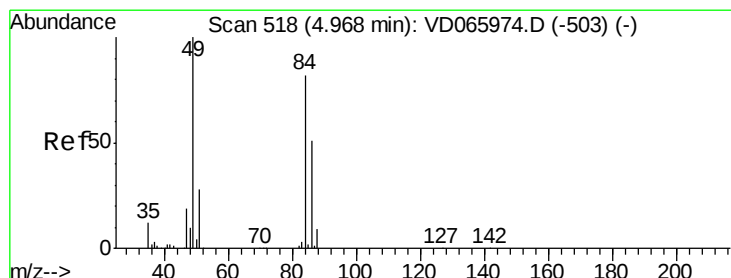
4.12

4.14

4.16



Time-->



#20

Methylene Chloride

Concen: 3.415 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066088.D

Acq: 29 Jul 2020 14:42

Tgt Ion: 84 Resp: 5253

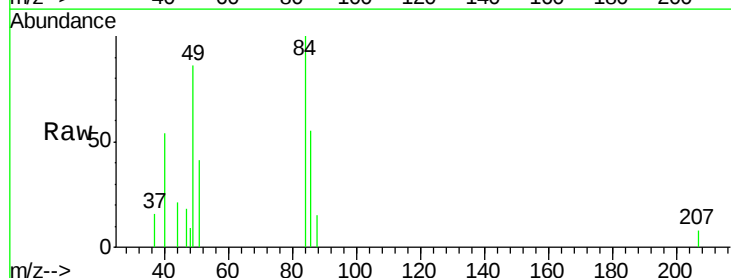
Ion Ratio Lower Upper

84 100

49 86.0 97.7 146.5#

51 40.7 27.4 41.2

86 54.9 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

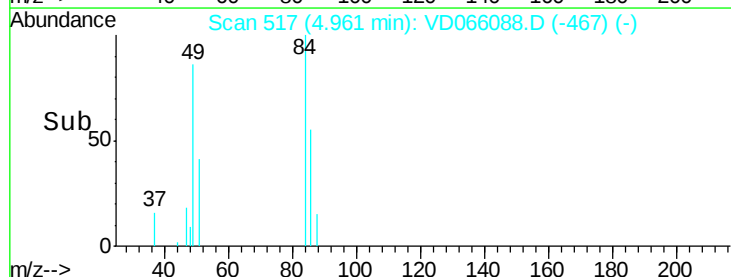
4.96

4.90

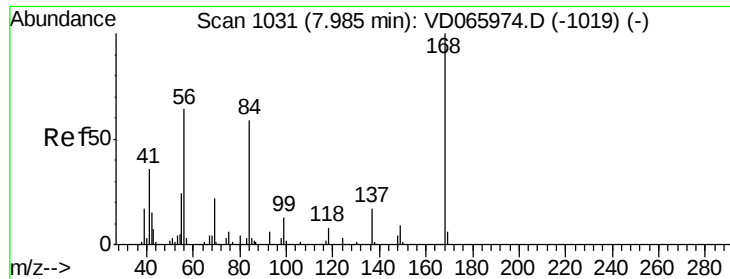
4.95

5.00

5.05



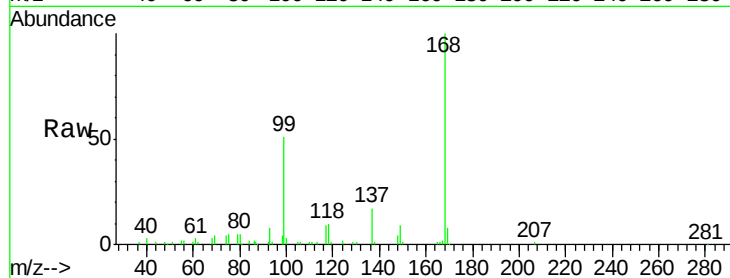
Time-->



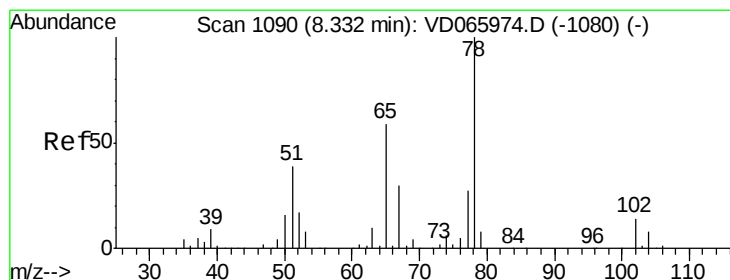
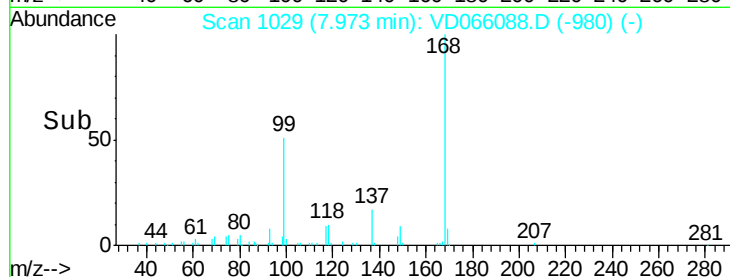
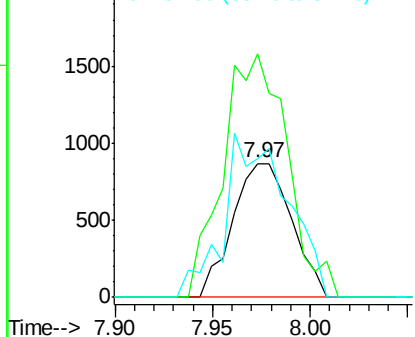
#31
Cyclohexane
Concen: 1.332 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066088.D
Acq: 29 Jul 2020 14:42

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 1821
Ion Ratio Lower Upper
56 100
69 181.7 28.0 42.0#
84 103.1 72.6 109.0

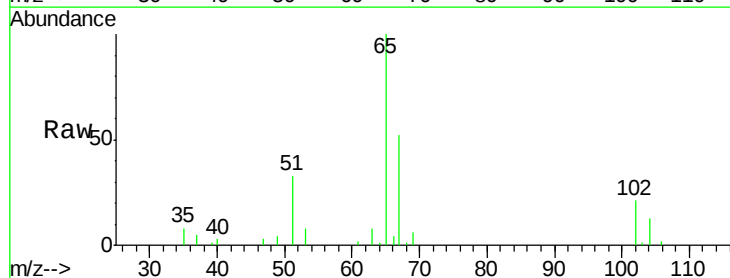


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

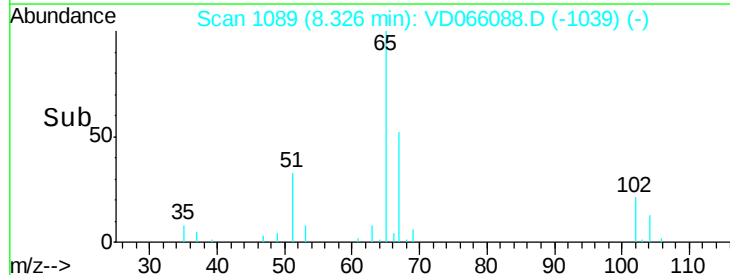
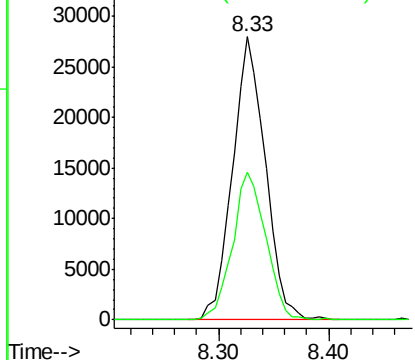


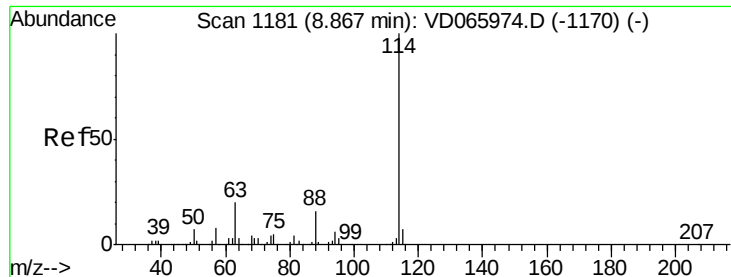
#33
1,2-Dichloroethane-d4
Concen: 76.900 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066088.D
Acq: 29 Jul 2020 14:42

Tgt Ion: 65 Resp: 58423
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.0



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

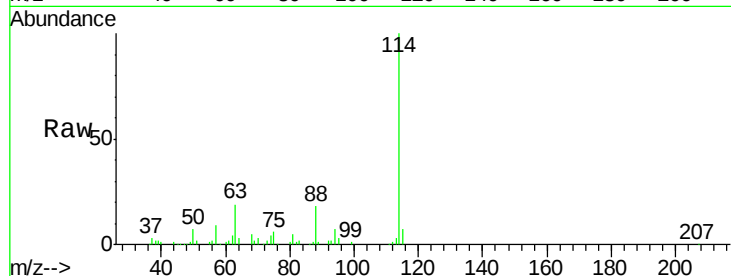




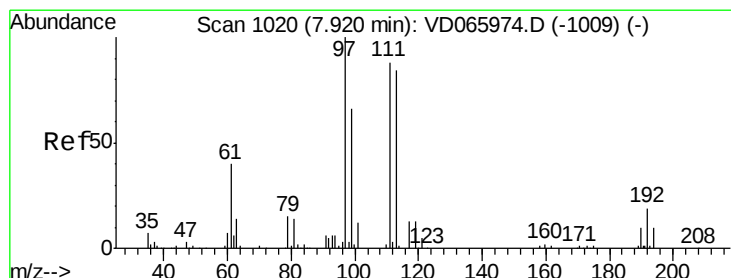
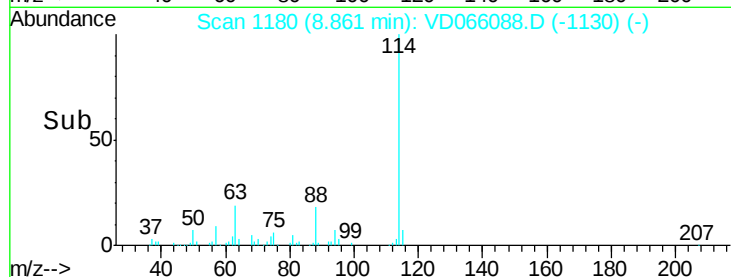
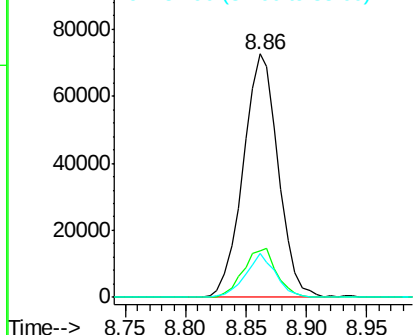
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD066088.D
 Acq: 29 Jul 2020 14:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	39.6
88	17.9	0.0	31.2

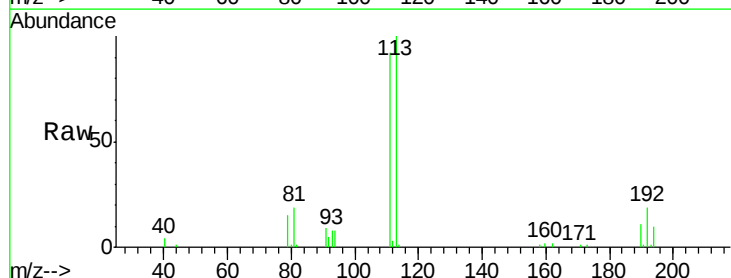


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

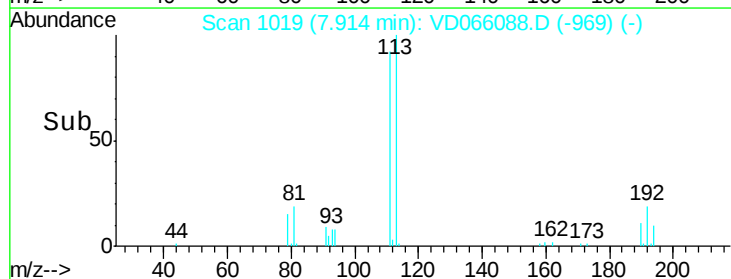
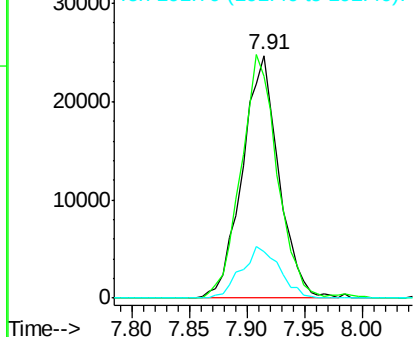


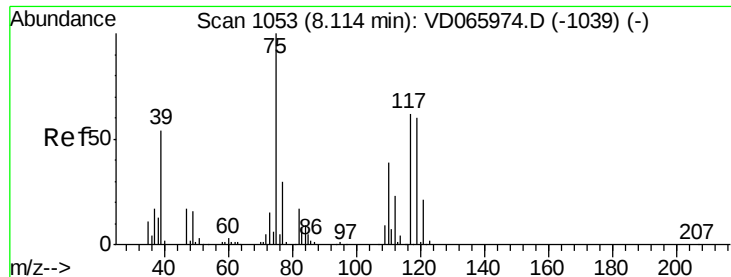
#35
 Dibromofluoromethane
 Concen: 61.008 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066088.D
 Acq: 29 Jul 2020 14:42

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.5	83.2	124.8
192	22.2	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

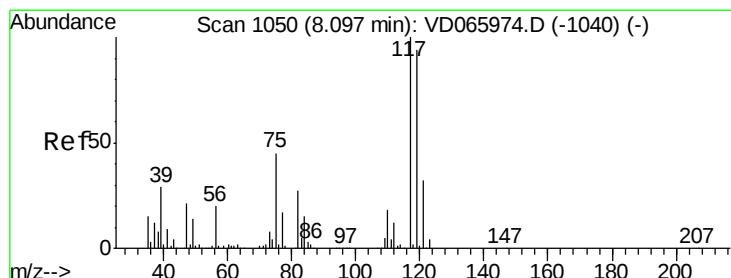
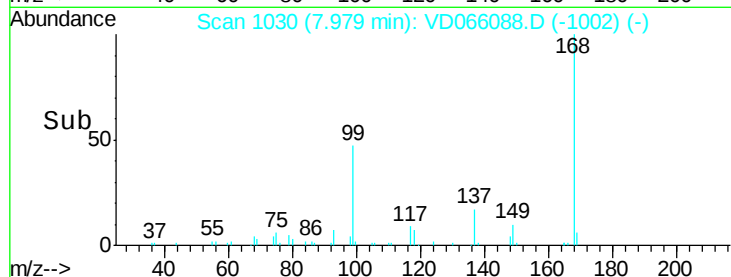
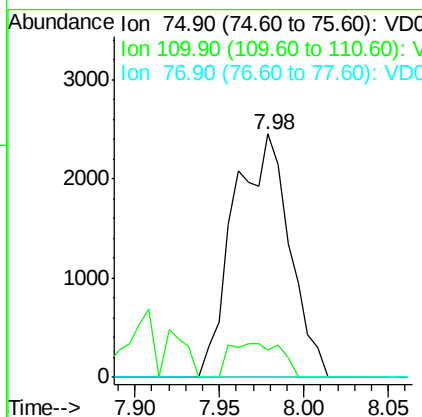
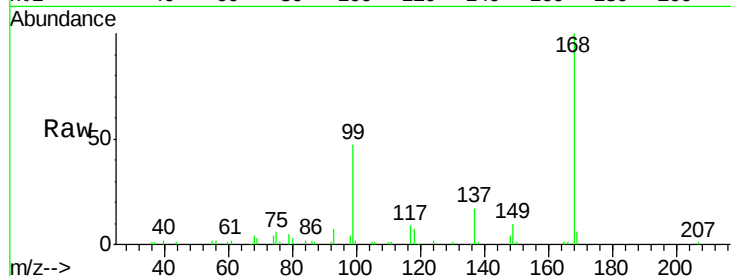




#36
 1,1-Dichloropropene
 Concen: 4.512 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD066088.D
 Acq: 29 Jul 2020 14:42

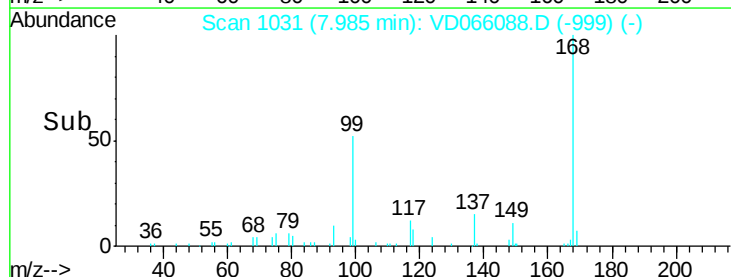
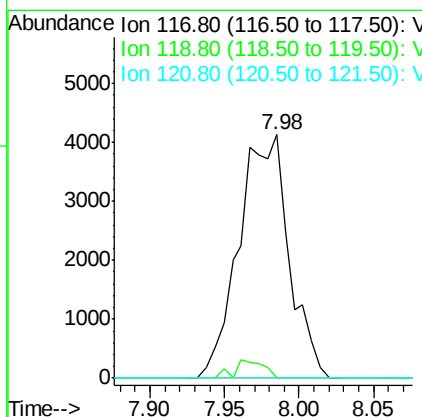
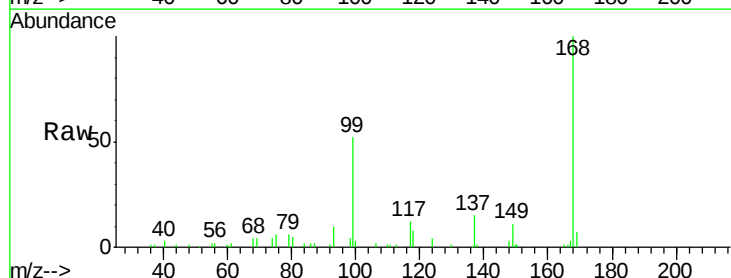
Instrument :
 MSVOA_D
 ClientSampleId :

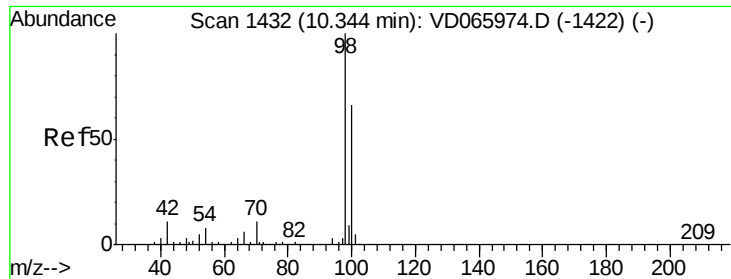
Tot Ion: 75 Resp: 5656
 Ion Ratio Lower Upper
 75 100
 110 13.3 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 7.041 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD066088.D
 Acq: 29 Jul 2020 14:42

Tgt Ion: 117 Resp: 9577
 Ion Ratio Lower Upper
 117 100
 119 0.0 75.0 112.6#
 121 0.0 25.5 38.3#

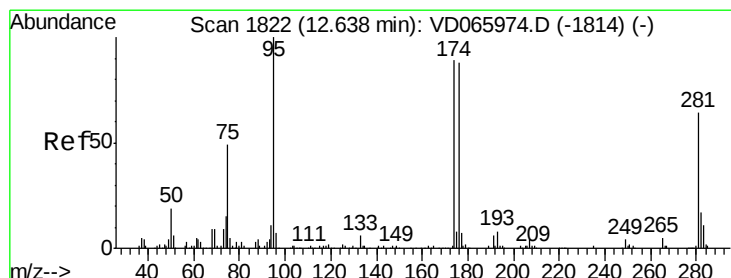
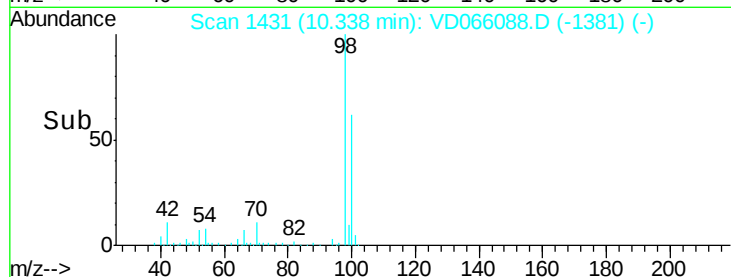
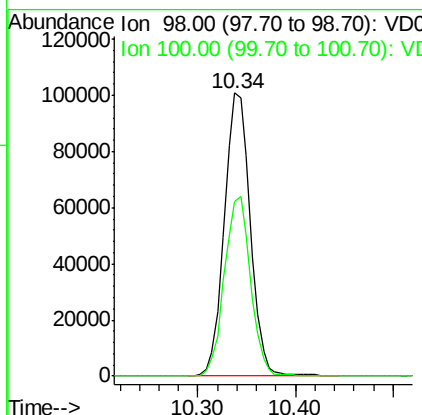
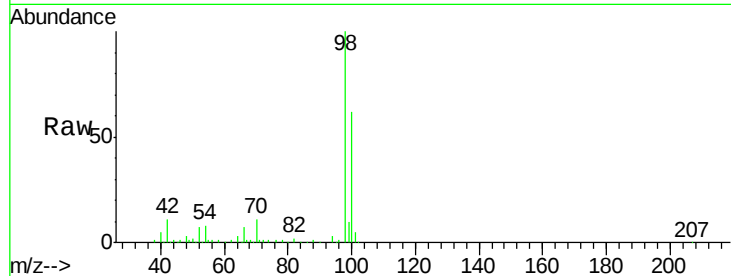




#50
Toluene-d8
Concen: 56.125 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD066088.D
Acq: 29 Jul 2020 14:42

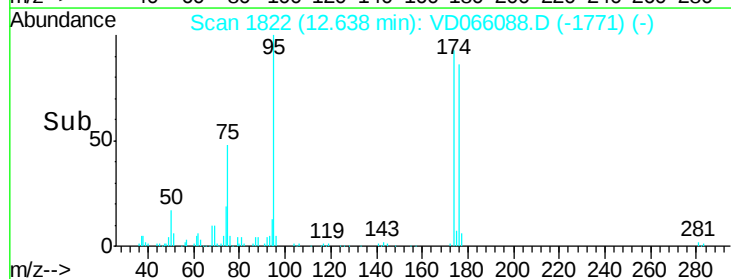
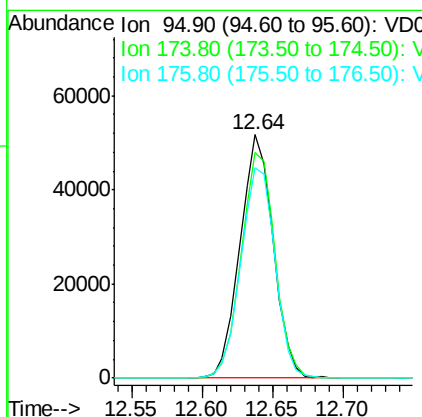
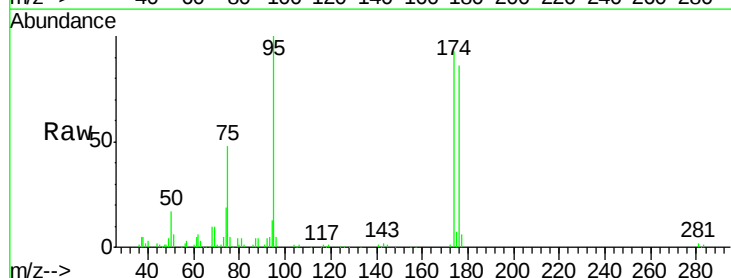
Instrument :
MSVOA_D
ClientSampled :

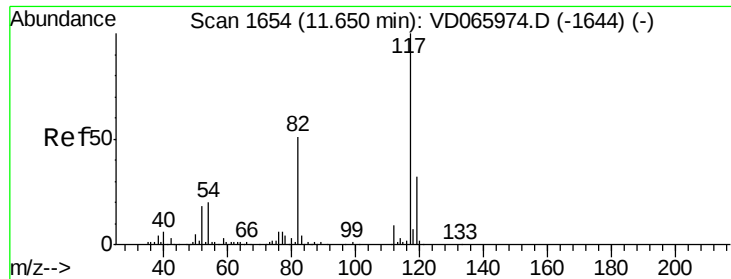
Tot Ion: 98 Resp: 186259
Ion Ratio Lower Upper
98 100
100 64.0 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 73.798 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD066088.D
Acq: 29 Jul 2020 14:42

Tgt Ion: 95 Resp: 84920
Ion Ratio Lower Upper
95 100
174 94.9 0.0 178.8
176 89.3 0.0 172.6

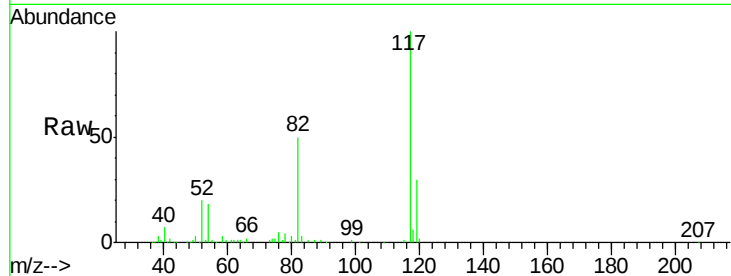




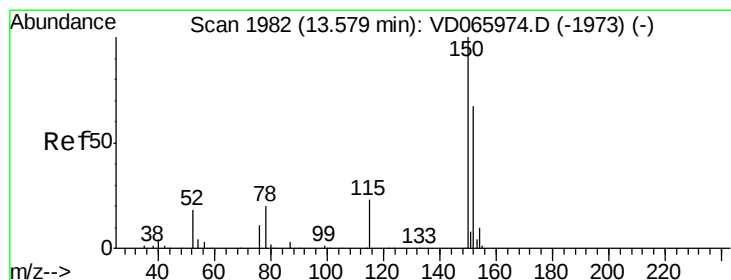
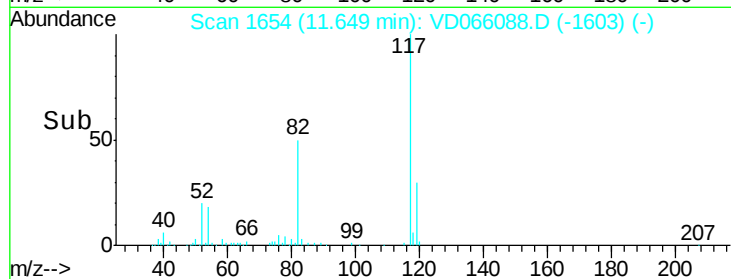
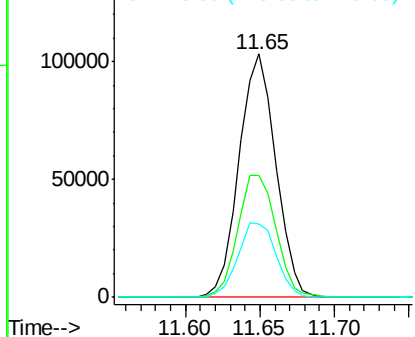
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066088.D
Acq: 29 Jul 2020 14:42

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 176422
Ion Ratio Lower Upper
117 100
82 50.0 41.1 61.7
119 30.3 25.9 38.9

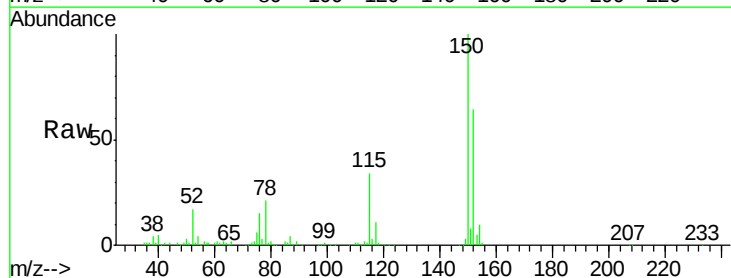


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

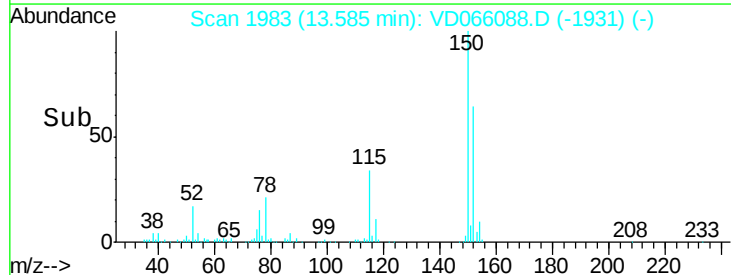
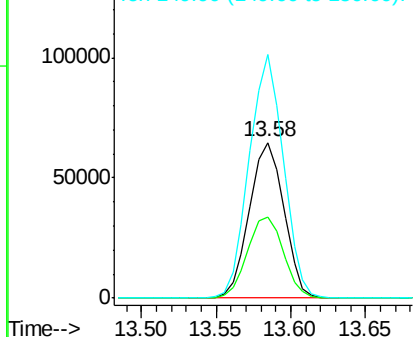


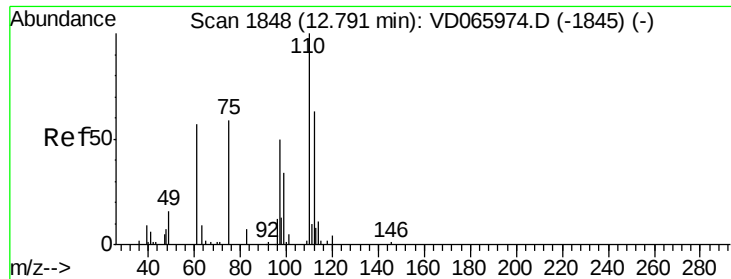
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066088.D
Acq: 29 Jul 2020 14:42

Tgt Ion:152 Resp: 103912
Ion Ratio Lower Upper
152 100
115 54.6 27.9 83.7
150 154.6 0.0 348.2



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: 52.787 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066088.D

Acq: 29 Jul 2020 14:42

Instrument :

MSVOA_D

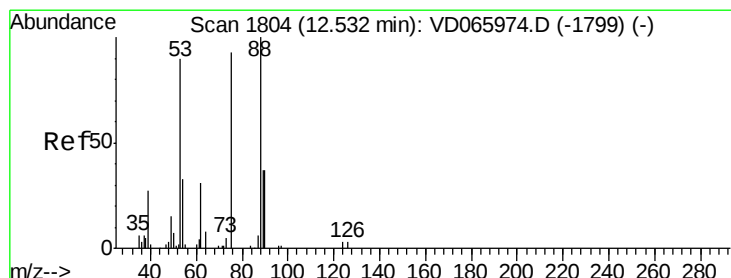
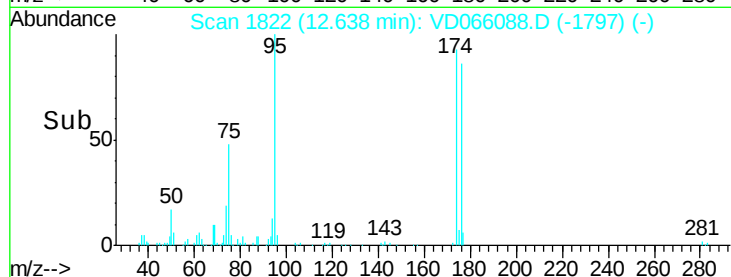
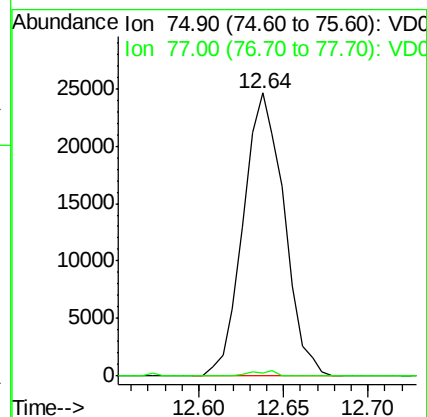
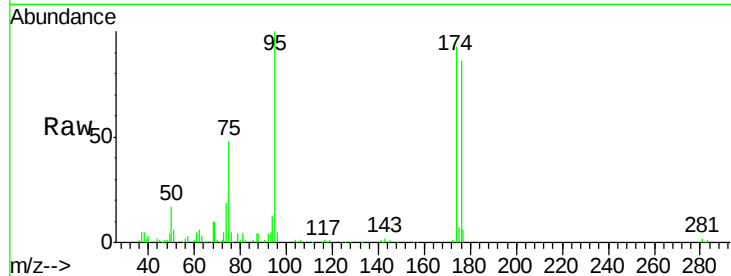
ClientSampled :

Tot Ion: 75 Resp: 41301

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.129 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066088.D

Acq: 29 Jul 2020 14:42

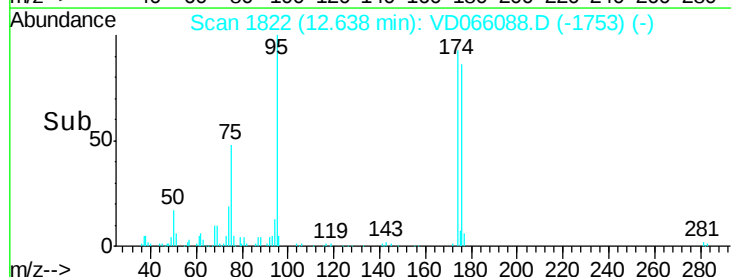
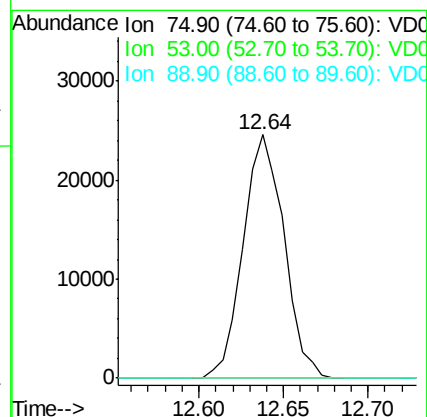
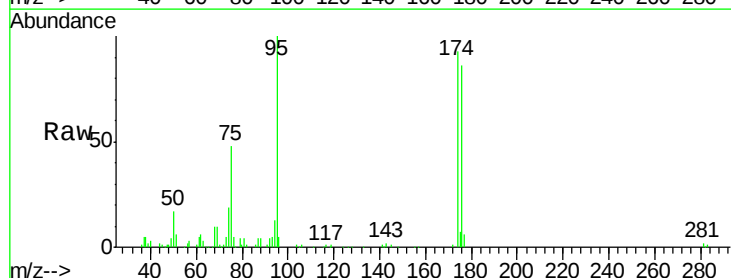
Tgt Ion: 75 Resp: 41301

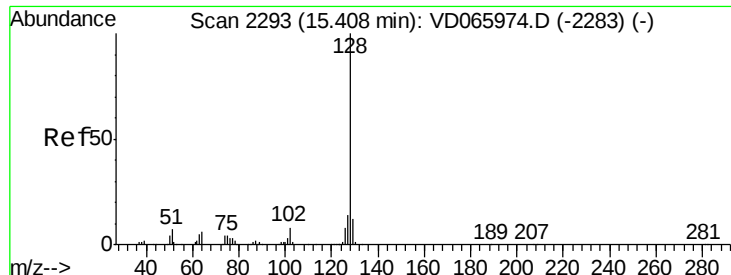
Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

89 0.0 37.0 55.4#

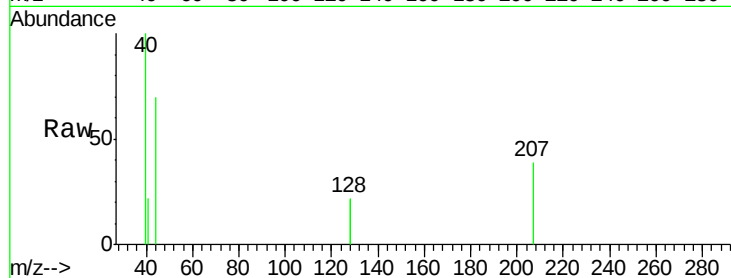




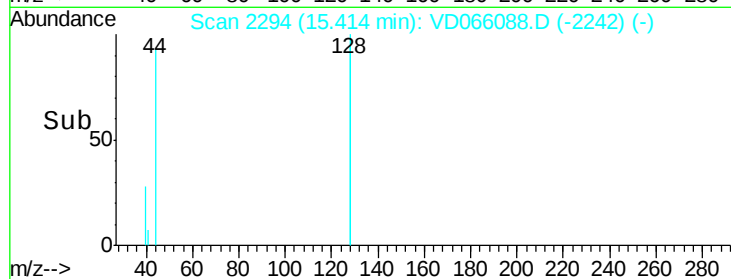
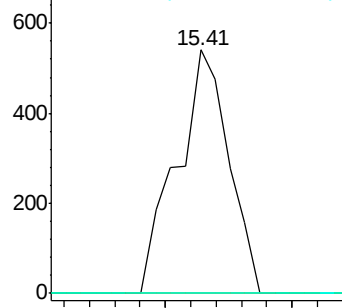
#95
 Naphthalene
 Concen: 3.765 ug/l
 RT: 15.41 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: VD066088.D
 Acq: 29 Jul 2020 14:42

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



Time-->