

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\
 Data File : VD066093.D
 Acq On : 29 Jul 2020 16:59
 Operator : VA/SY
 Sample : L3489-09
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 01:32:13 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	223766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	362458	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	395145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	217624	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	101358	55.67	ug/l	0.00
Spiked Amount			Recovery	=	111.34%	
35) Dibromofluoromethane	7.91	113	111579	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
50) Toluene-d8	10.34	98	441559	53.92	ug/l	0.00
Spiked Amount			Recovery	=	107.84%	
62) 4-Bromofluorobenzene	12.64	95	180946	63.72	ug/l	0.00
Spiked Amount			Recovery	=	127.44%	

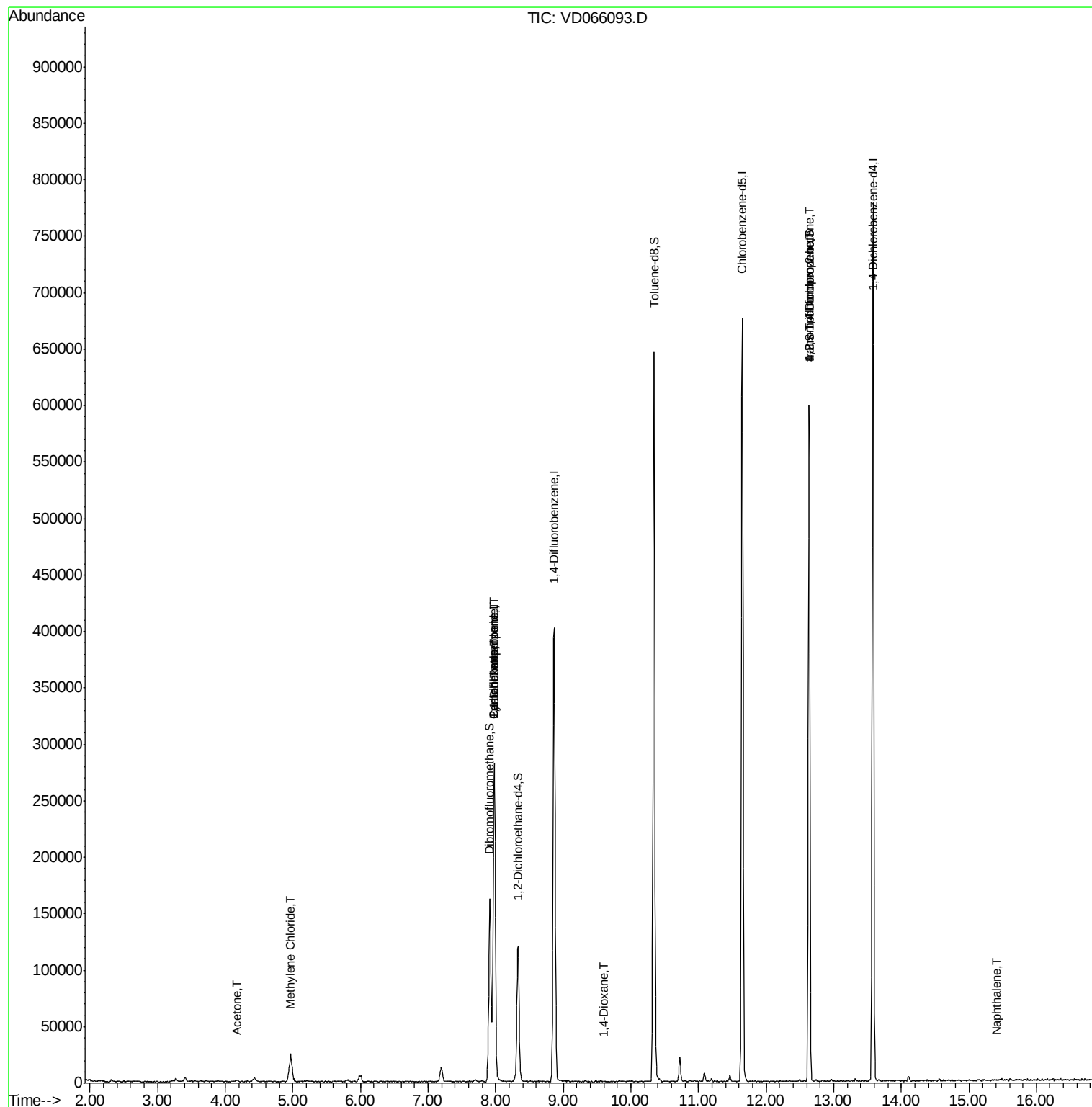
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.22	59	191	Below Cal	#	83
16) Acetone	4.17	43	2685	7.285	ug/l #	77
20) Methylene Chloride	4.97	84	17417	5.934	ug/l	93
31) Cyclohexane	7.97	56	4323	1.320	ug/l #	37
36) 1,1-Dichloropropene	7.98	75	14656	4.738	ug/l #	50
38) Carbon Tetrachloride	7.98	117	21167	6.306	ug/l #	19
49) 1,4-Dioxane	9.60	88	59	4.513	ug/l #	22
76) 1,2,3-Trichloropropane	12.64	75	94247	57.517	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	94247	131.981	ug/l #	11
95) Naphthalene	15.42	128	69	3.556	ug/l #	68

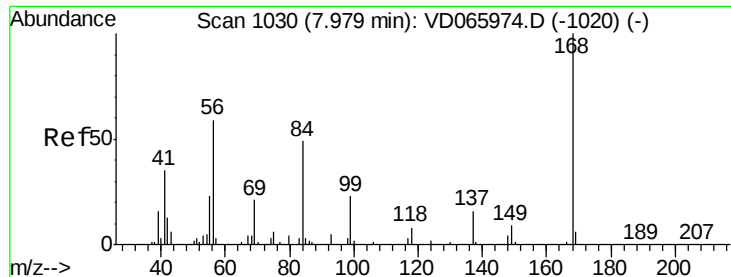
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072920\
Data File : VD066093.D
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Quant Time: Jul 30 01:32:13 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: VD066093.D

Acq: 29 Jul 2020 16:59

Instrument :

MSVOA_D

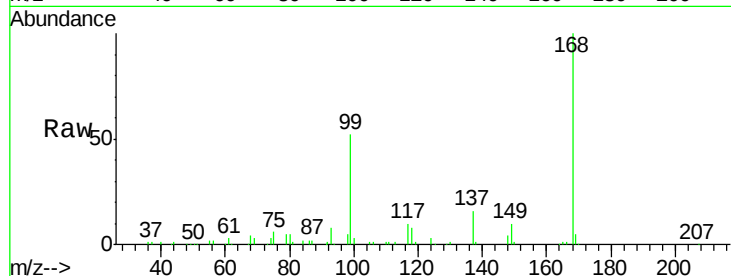
ClientSampleId :

Tot Ion:168 Resp: 223766

Ion Ratio Lower Upper

168 100

99 52.0 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

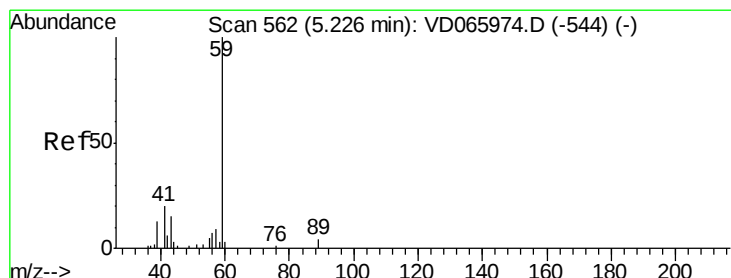
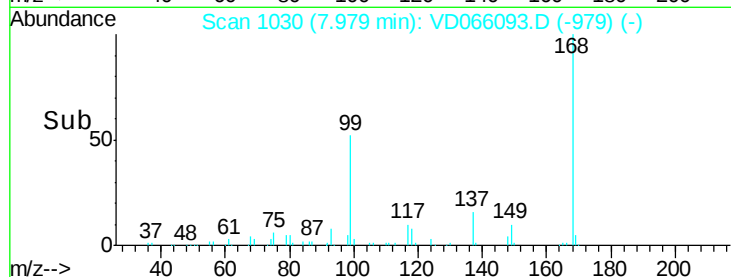
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD066093.D

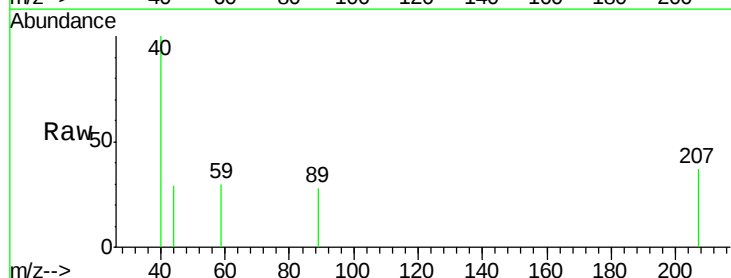
Acq: 29 Jul 2020 16:59

Tgt Ion: 59 Resp: 191

Ion Ratio Lower Upper

59 100

57 0.0 4.5 6.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.22

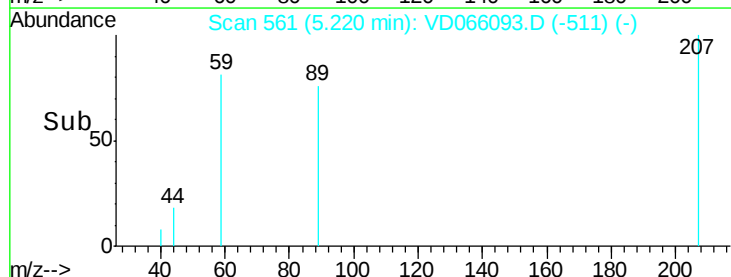
300

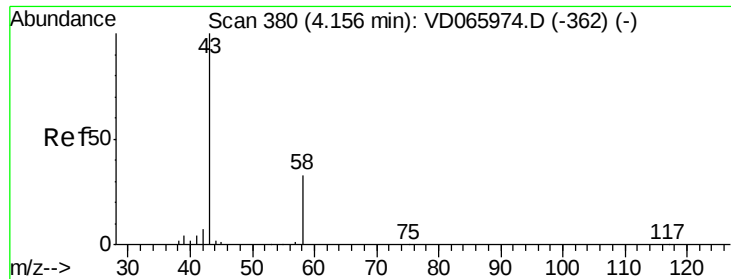
200

100

0

Time-->





#16

Acetone

Concen: 7.285 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066093.D

Acq: 29 Jul 2020 16:59

Instrument :

MSVOA_D

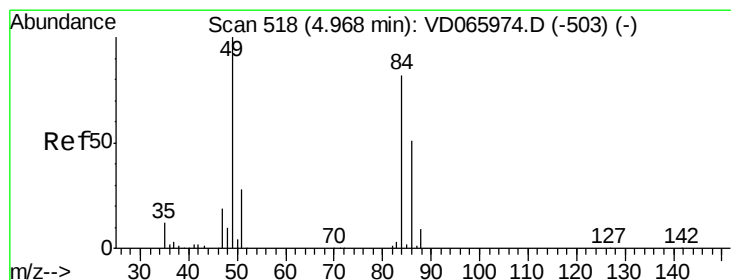
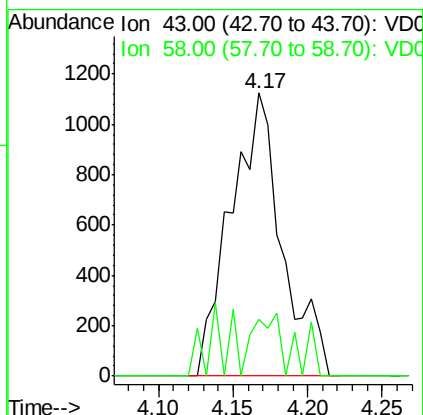
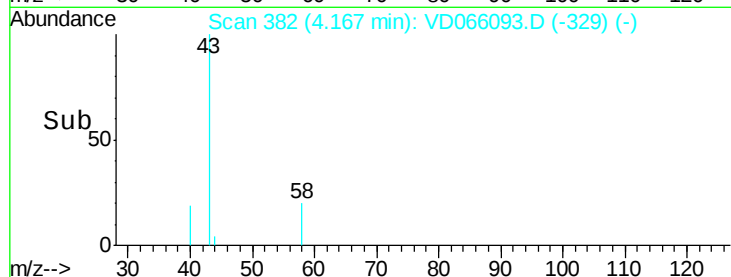
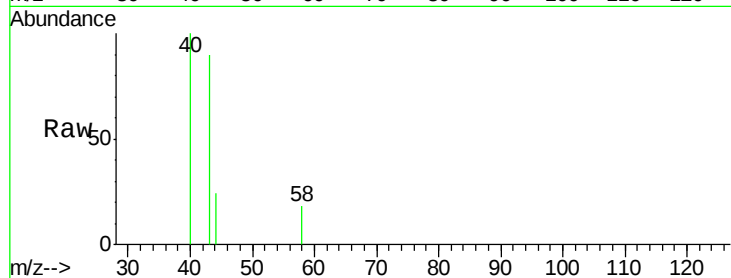
ClientSampleId :

Tot Ion: 43 Resp: 2685

Ion Ratio Lower Upper

43 100

58 20.2 26.3 39.5#



#20

Methylene Chloride

Concen: 5.934 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066093.D

Acq: 29 Jul 2020 16:59

Tgt Ion: 84 Resp: 17417

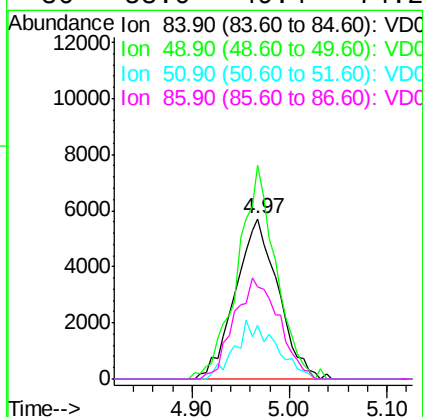
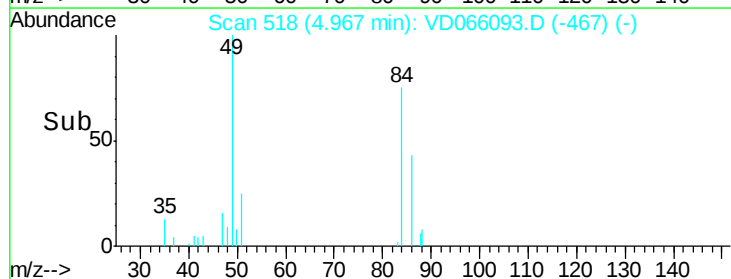
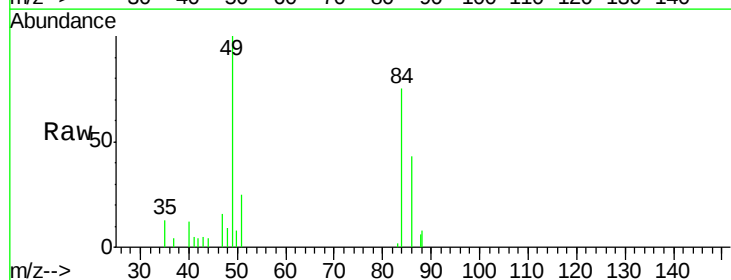
Ion Ratio Lower Upper

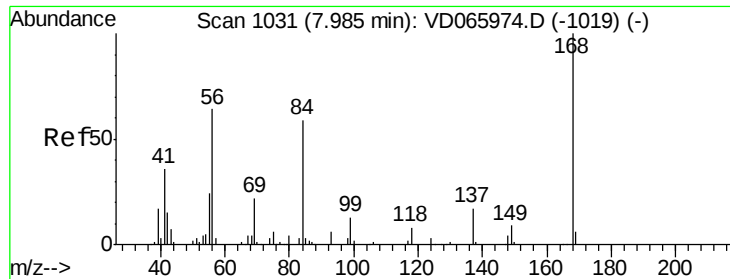
84 100

49 133.4 97.7 146.5

51 33.7 27.4 41.2

86 58.0 49.4 74.2





#31

Cyclohexane

Concen: 1.320 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066093.D

Acq: 29 Jul 2020 16:59

Instrument :

MSVOA_D

ClientSampled :

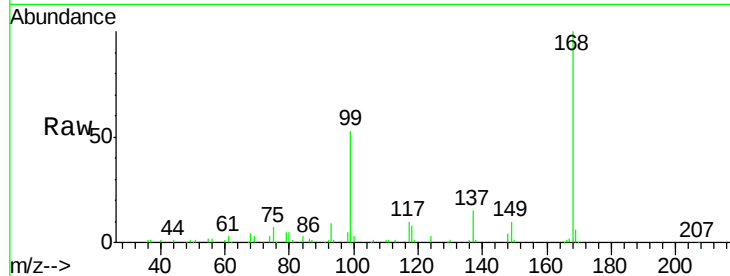
Tot Ion: 56 Resp: 4323

Ion Ratio Lower Upper

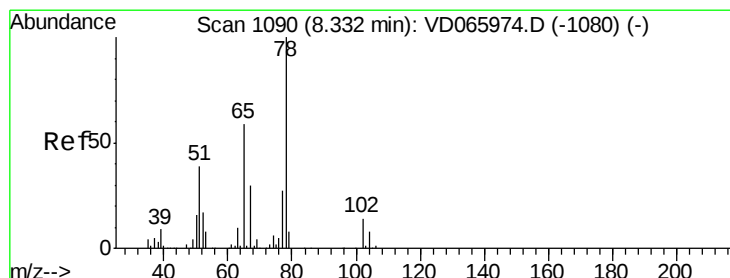
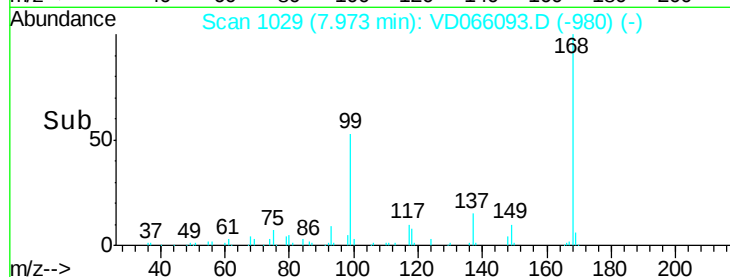
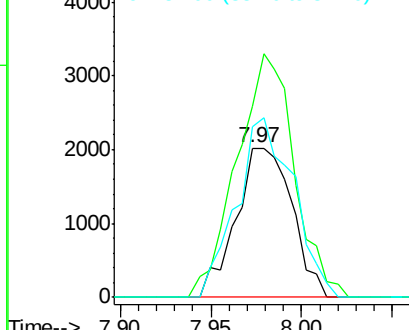
56 100

69 128.2 28.0 42.0#

84 114.3 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: 55.668 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066093.D

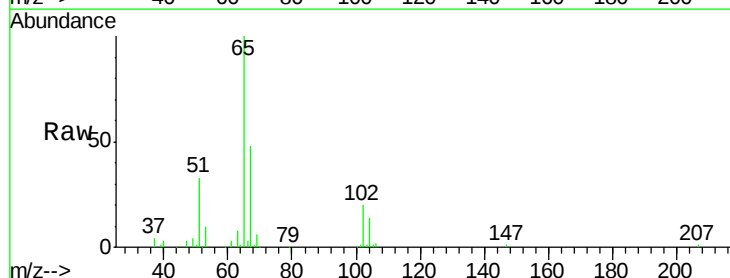
Acq: 29 Jul 2020 16:59

Tgt Ion: 65 Resp: 101358

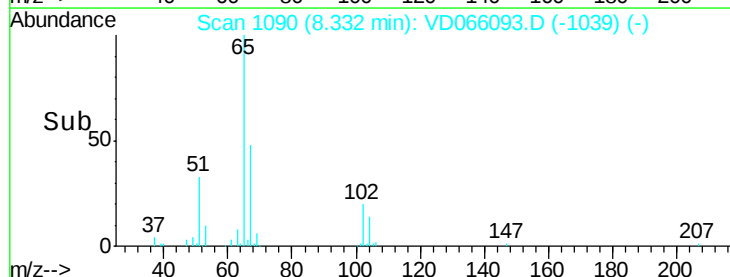
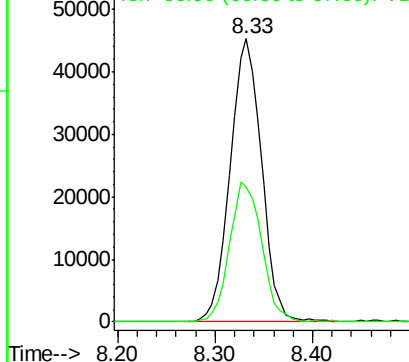
Ion Ratio Lower Upper

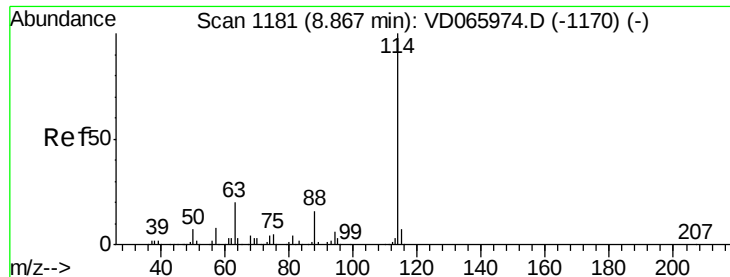
65 100

67 50.4 0.0 105.0



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

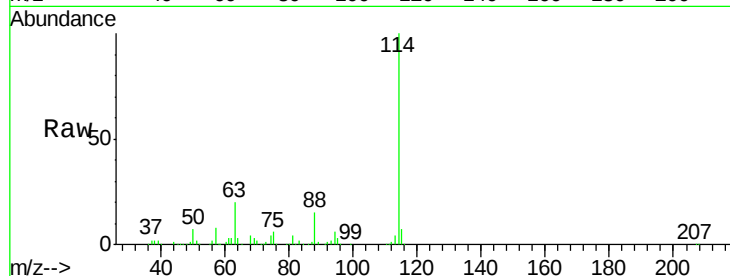




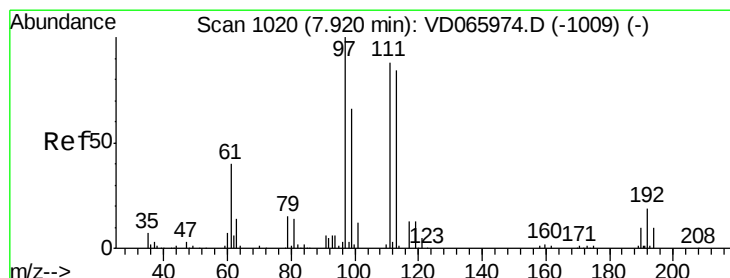
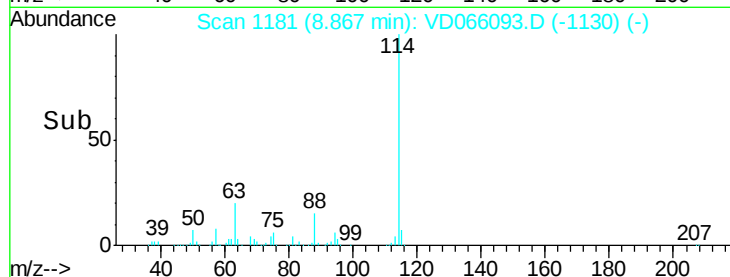
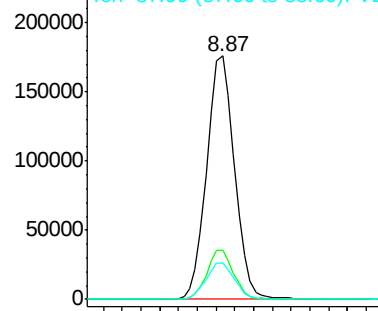
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066093.D
 Acq: 29 Jul 2020 16:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 362458
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.6
 88 14.9 0.0 31.2

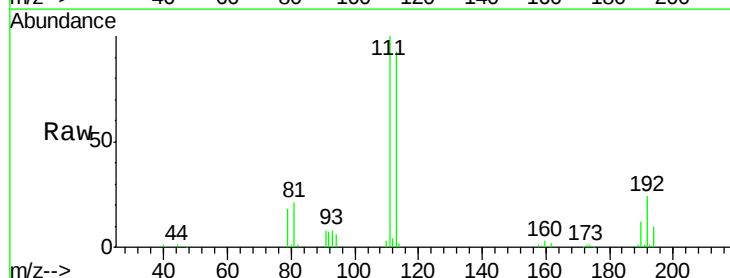


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

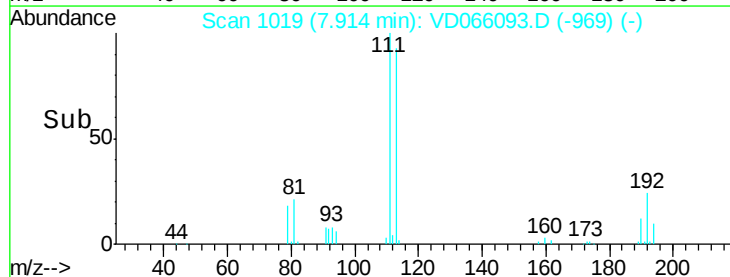
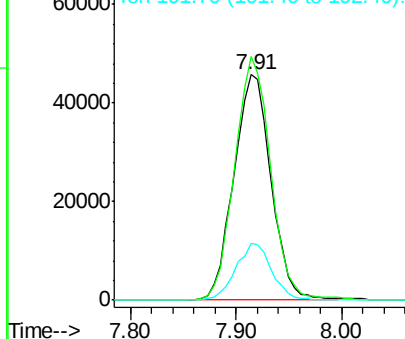


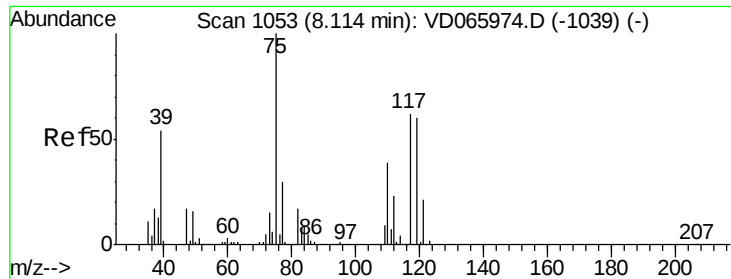
#35
 Dibromofluoromethane
 Concen: 50.754 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066093.D
 Acq: 29 Jul 2020 16:59

Tgt Ion:113 Resp: 111579
 Ion Ratio Lower Upper
 113 100
 111 105.0 83.2 124.8
 192 24.3 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

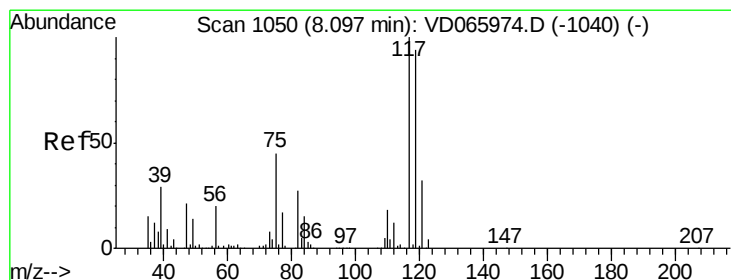
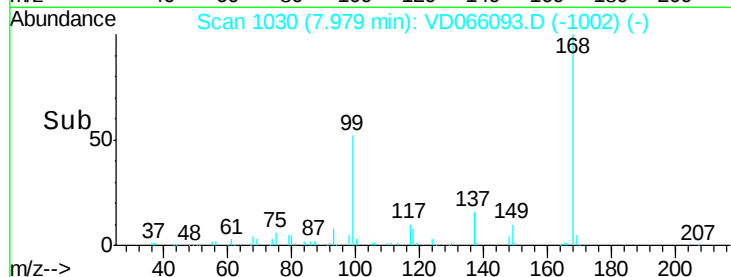
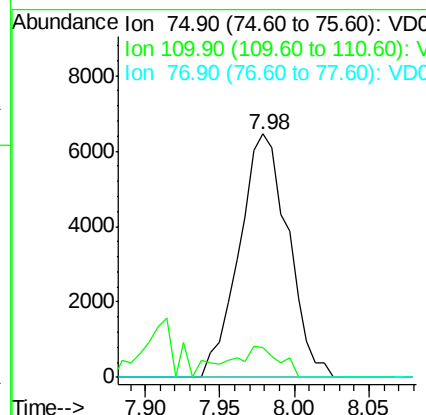
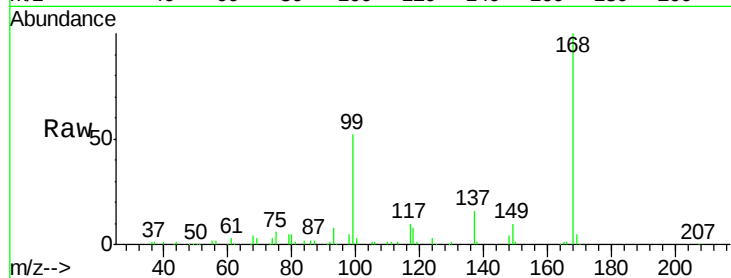




#36
 1,1-Dichloropropene
 Concen: 4.738 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD066093.D
 Acq: 29 Jul 2020 16:59

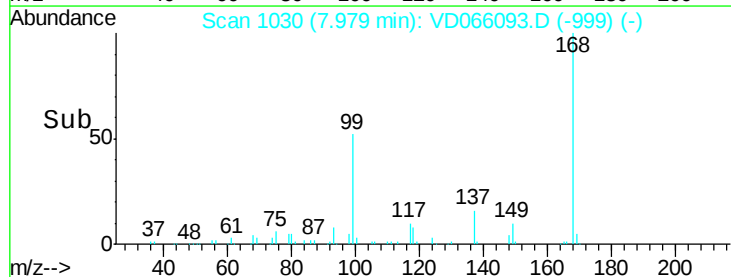
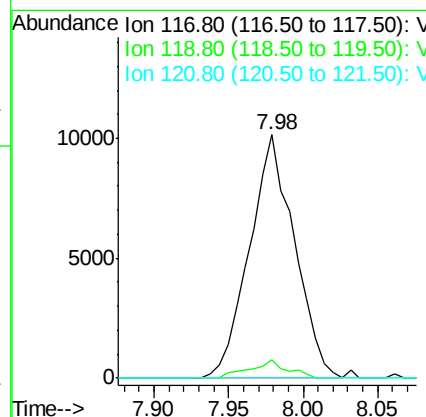
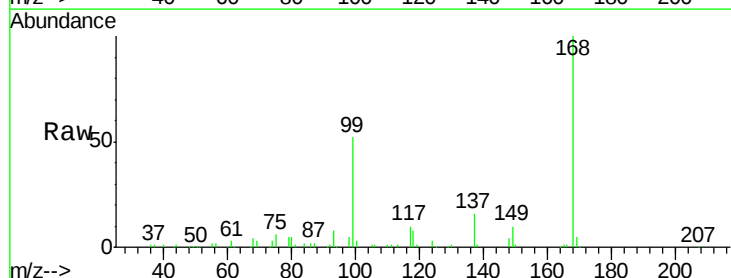
Instrument :
 MSVOA_D
 ClientSampled :

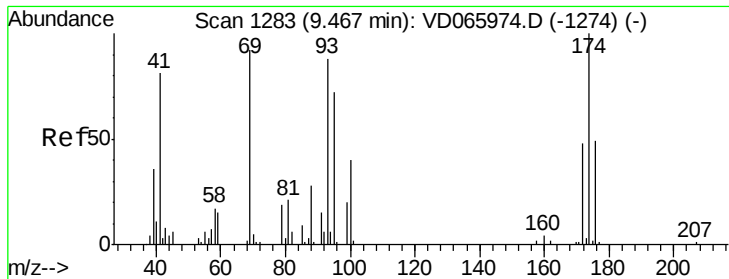
Tot Ion	75	Resp	14656
Ion Ratio	100	Lower	Upper
75	100		
110	11.5	19.5	58.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.306 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD066093.D
 Acq: 29 Jul 2020 16:59

Tgt Ion	117	Resp	21167
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	7.4	75.0	112.6#
121	0.0	25.5	38.3#





#49

1,4-Dioxane

Concen: 4.513 ug/l

RT: 9.60 min Scan# 1305

Delta R.T. 0.13 min

Lab File: VD066093.D

Acq: 29 Jul 2020 16:59

Instrument :
MSVOA_D
ClientSampleId :

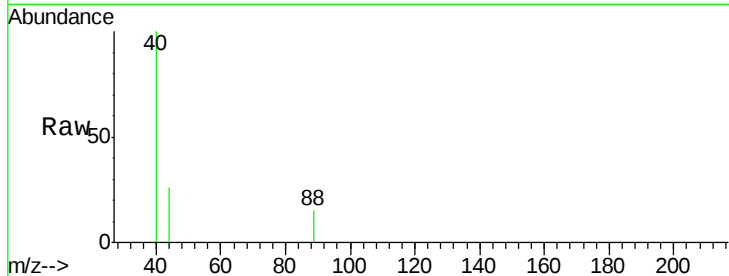
Tot Ion: 88 Resp: 59

Ion Ratio Lower Upper

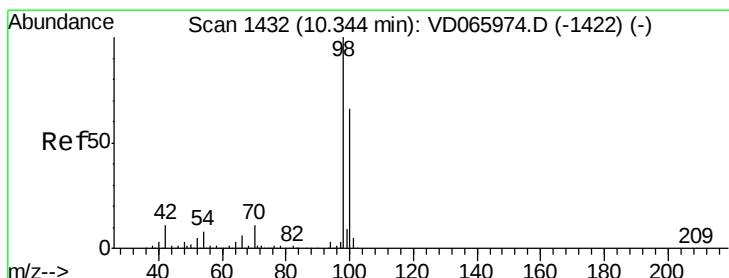
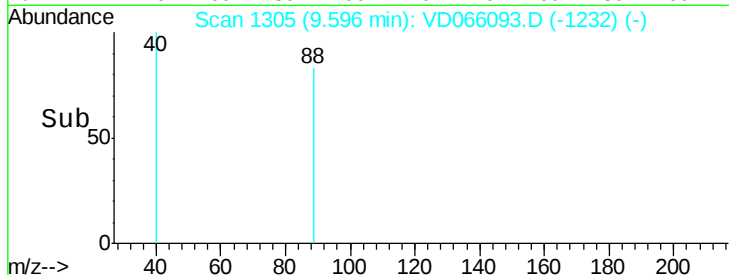
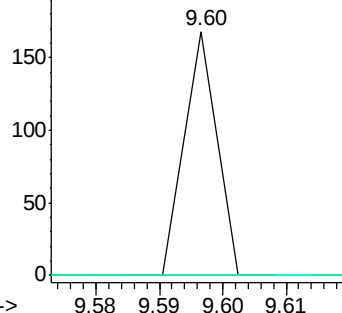
88 100

43 0.0 29.0 43.6#

58 0.0 57.0 85.4#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 53.916 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD066093.D

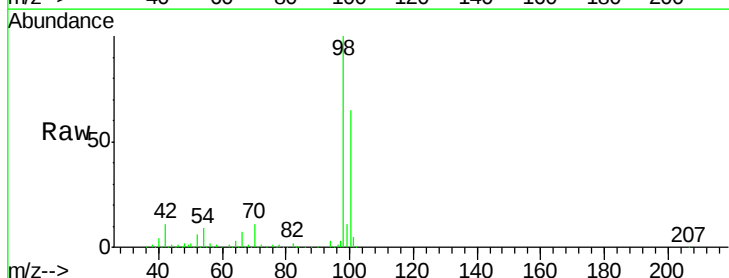
Acq: 29 Jul 2020 16:59

Tgt Ion: 98 Resp: 441559

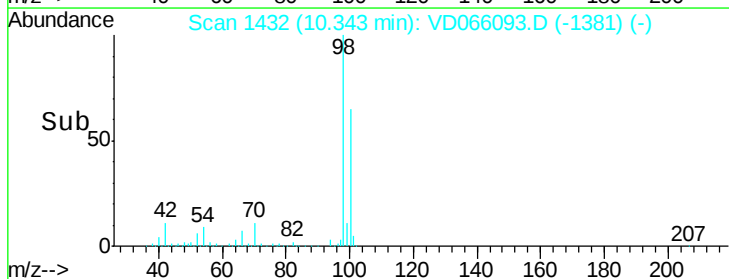
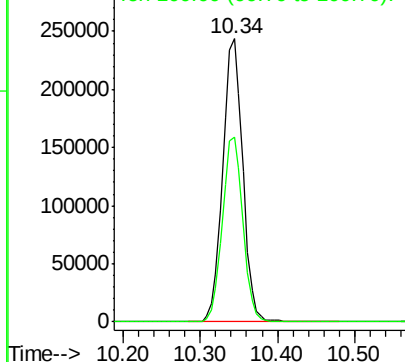
Ion Ratio Lower Upper

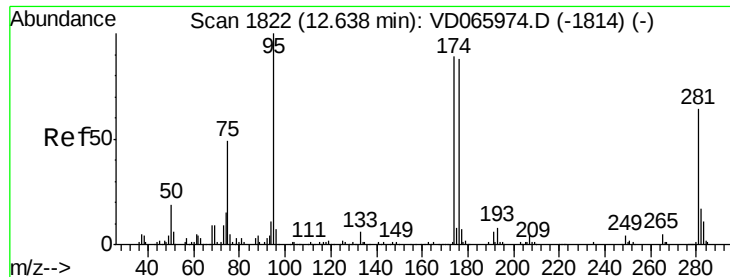
98 100

100 67.0 52.7 79.1



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





#62

4-Bromofluorobenzene

Concen: 63.721 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066093.D

Acq: 29 Jul 2020 16:59

Instrument :

MSVOA_D

ClientSampleId :

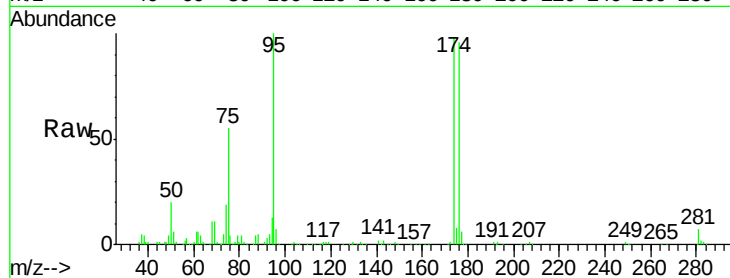
Tot Ion: 95 Resp: 180946

Ion Ratio Lower Upper

95 100

174 95.8 0.0 178.8

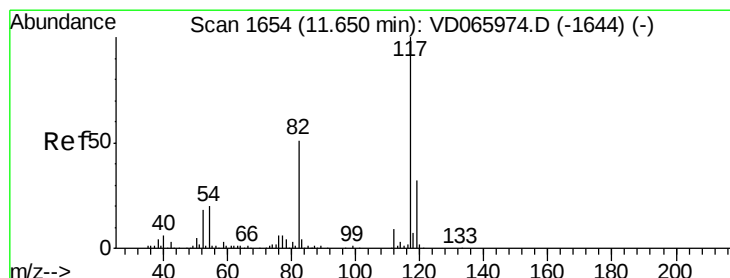
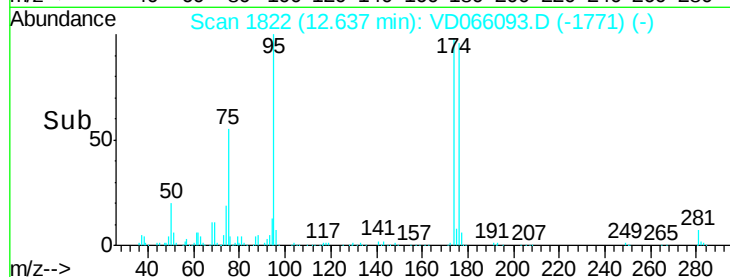
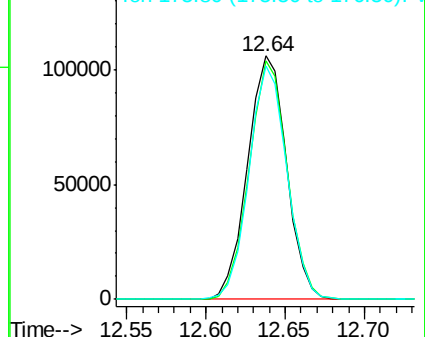
176 93.4 0.0 172.6



Abundance Ion 94.90 (94.60 to 95.60): V

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: VD066093.D

Acq: 29 Jul 2020 16:59

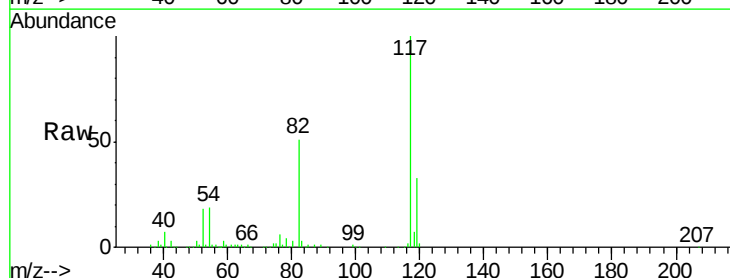
Tgt Ion: 117 Resp: 395145

Ion Ratio Lower Upper

117 100

82 50.8 41.1 61.7

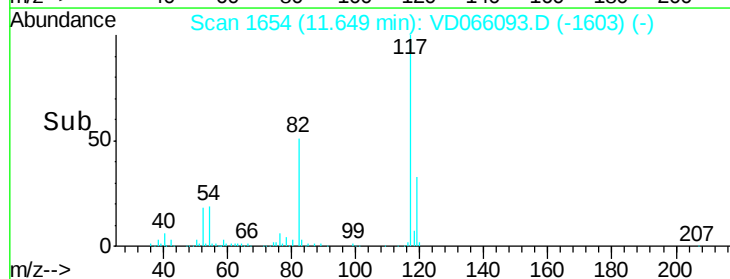
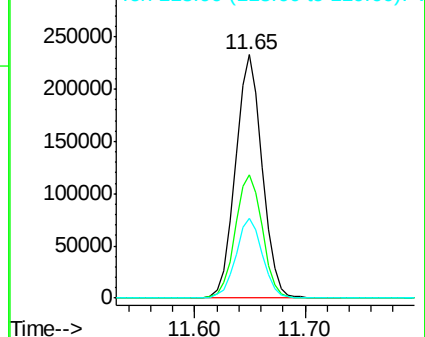
119 32.7 25.9 38.9

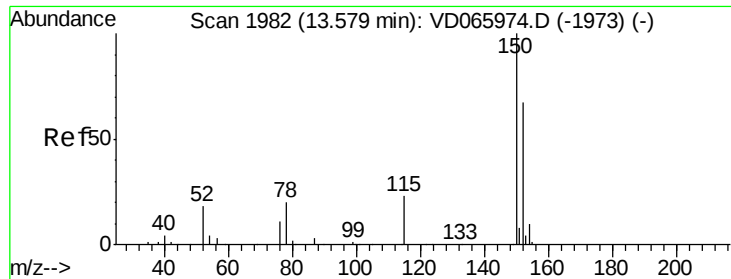


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD066093.D

Acq: 29 Jul 2020 16:59

Instrument :

MSVOA_D

ClientSampleId :

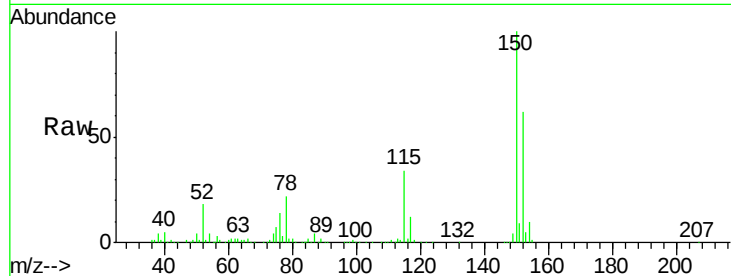
Tot Ion:152 Resp: 217624

Ion Ratio Lower Upper

152 100

115 56.0 27.9 83.7

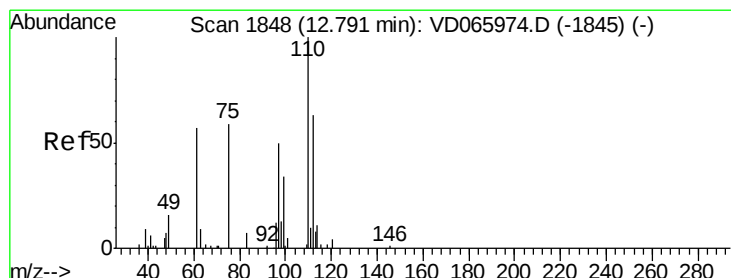
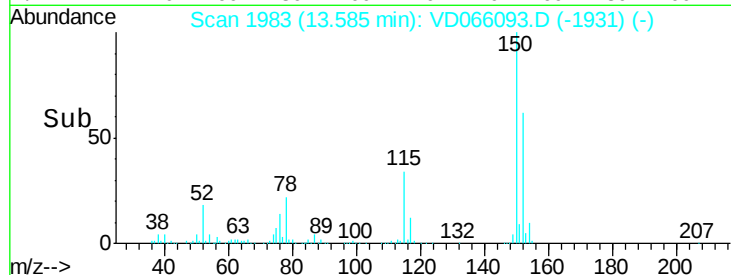
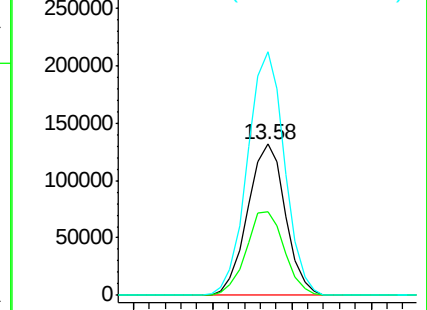
150 158.6 0.0 348.2



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: 57.517 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066093.D

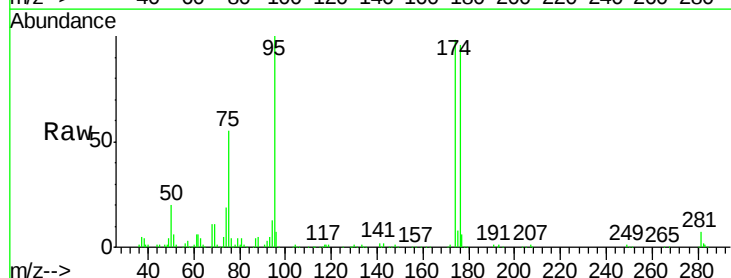
Acq: 29 Jul 2020 16:59

Tgt Ion: 75 Resp: 94247

Ion Ratio Lower Upper

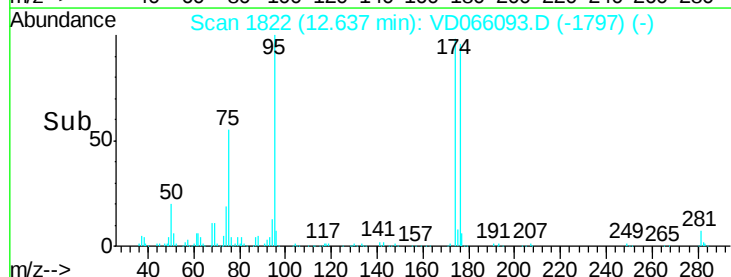
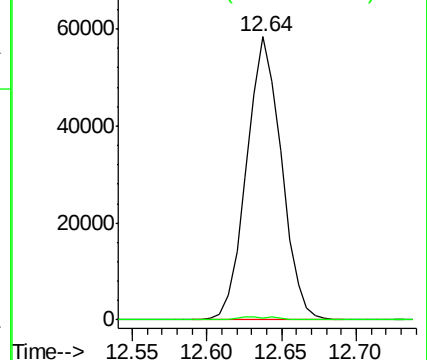
75 100

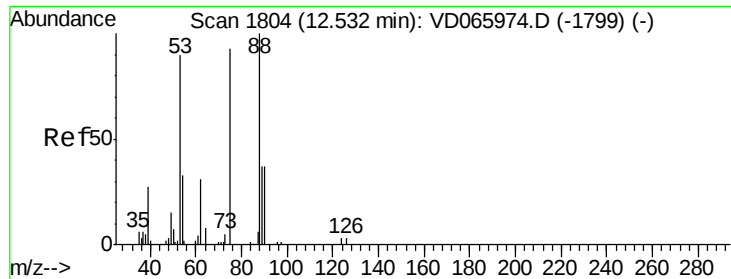
77 1.2 0.0 0.0#



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: 131.981 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066093.D

Acq: 29 Jul 2020 16:59

Instrument :

MSVOA_D

ClientSampleId :

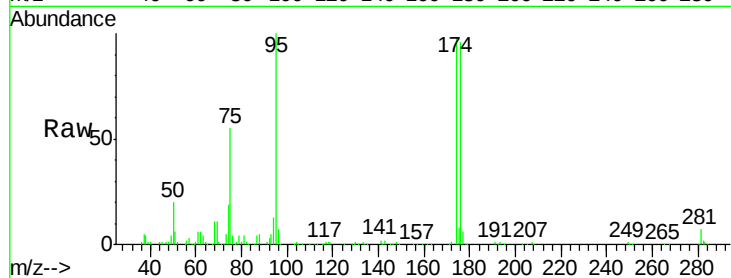
Tot Ion: 75 Resp: 94247

Ion Ratio Lower Upper

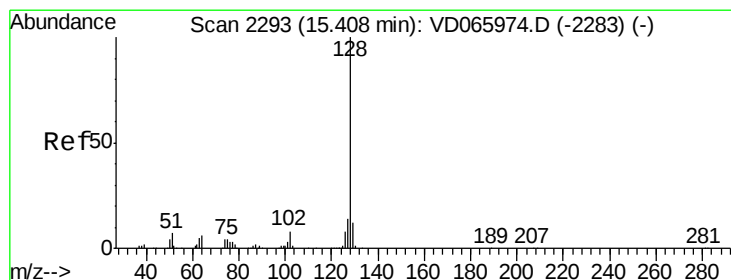
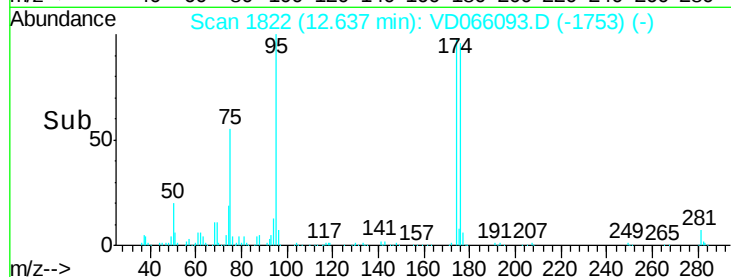
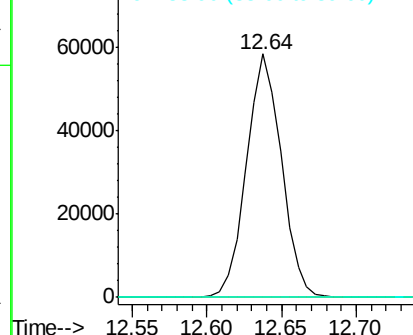
75 100

53 0.1 76.8 115.2#

89 0.0 37.0 55.4#



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



#95

Naphthalene

Concen: 3.556 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VD066093.D

Acq: 29 Jul 2020 16:59

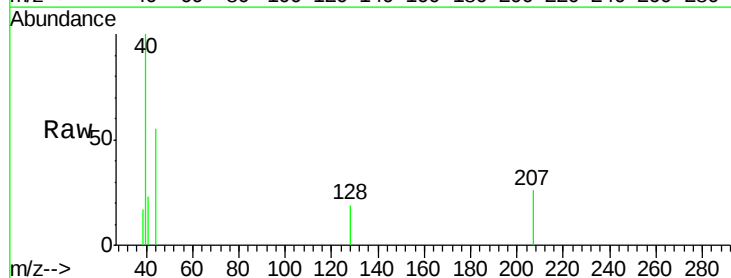
Tgt Ion: 128 Resp: 69

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

