

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050522\
 Data File : VD072830.D
 Acq On : 06 May 2022 02:14
 Operator : VA/SY
 Sample : N2680-03
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B2-0-2

Quant Time: May 06 03:55:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

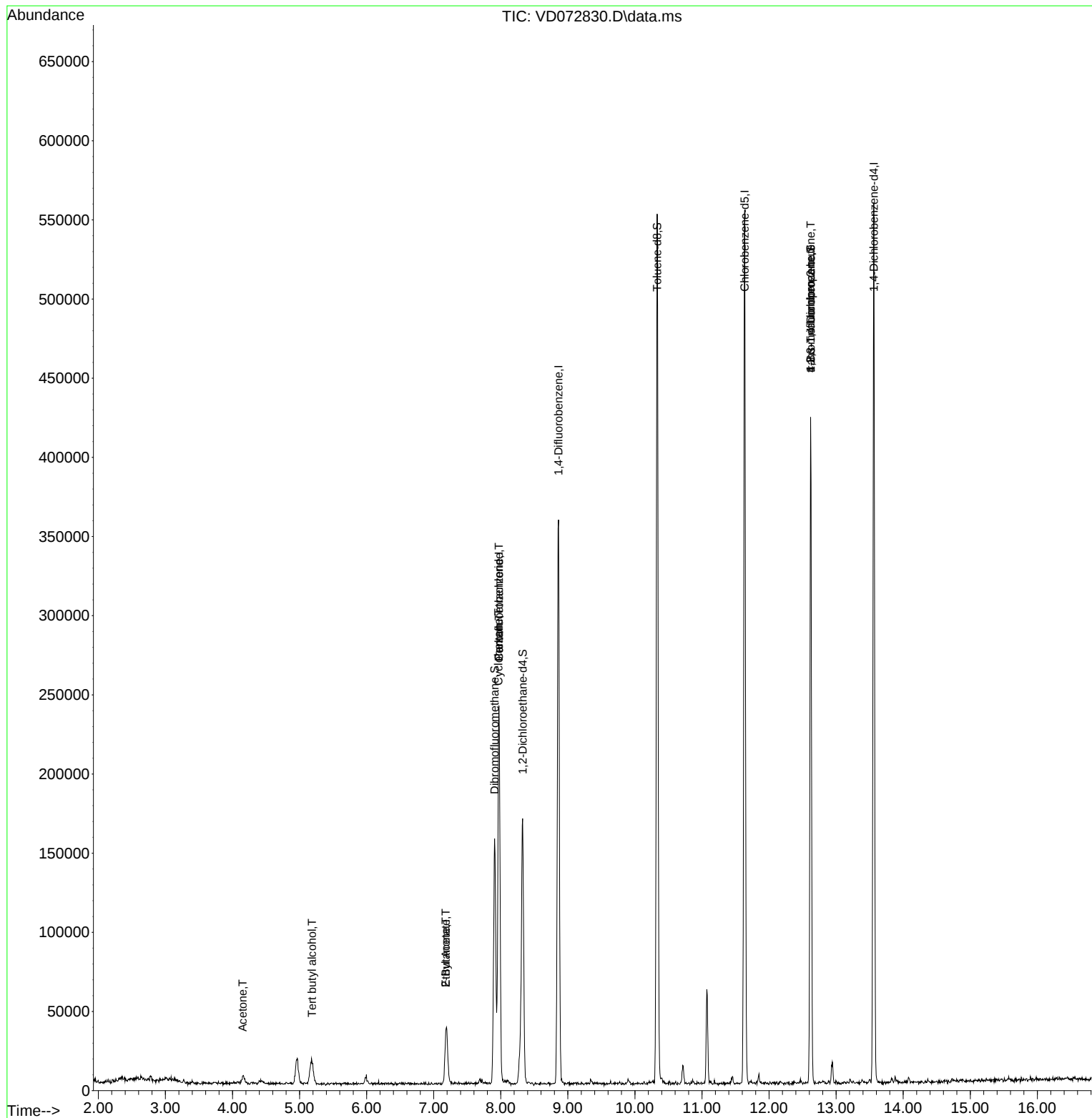
Internal Standards						
1) Pentafluorobenzene	7.973	168	167678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	298090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	303047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	135194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	131419	60.378	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.760%			
35) Dibromofluoromethane	7.908	113	110054	52.569	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.140%			
50) Toluene-d8	10.332	98	359666	47.894	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.780%			
62) 4-Bromofluorobenzene	12.620	95	132822	47.434	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.860%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	1214	Below Cal	#	48
11) Tert butyl alcohol	5.185	59	13776	73.152	ug/l #	75
16) Acetone	4.150	43	9385	9.631	ug/l	92
18) Methyl Acetate	4.979	43	112	Below Cal	#	55
20) Methylene Chloride	4.961	84	11458	Below Cal	#	84
25) 2-Butanone	7.179	43	2470	3.895	ug/l #	52
31) Cyclohexane	7.967	56	5103	1.341	ug/l #	49
37) Ethyl Acetate	7.179	43	2470	1.578	ug/l #	1
38) Carbon Tetrachloride	7.973	117	18317	5.184	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	71455	47.400	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	71455	109.000	ug/l #	7

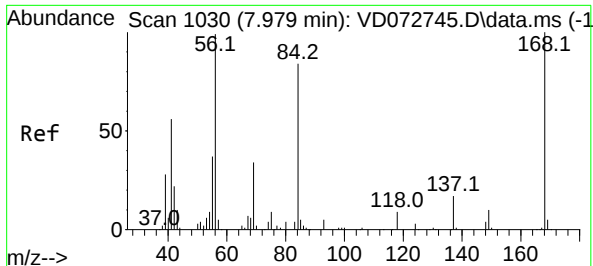
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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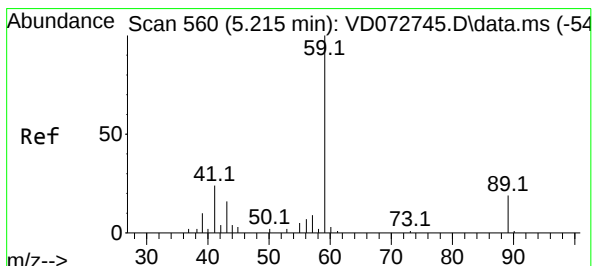
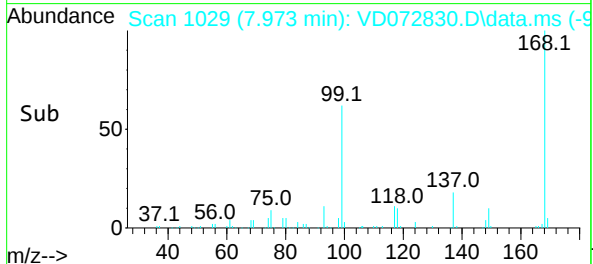
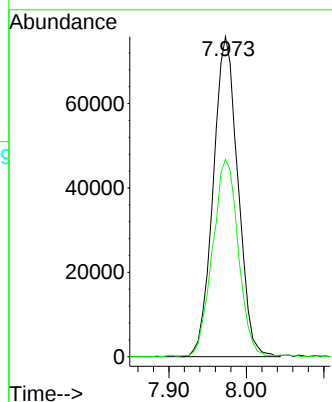
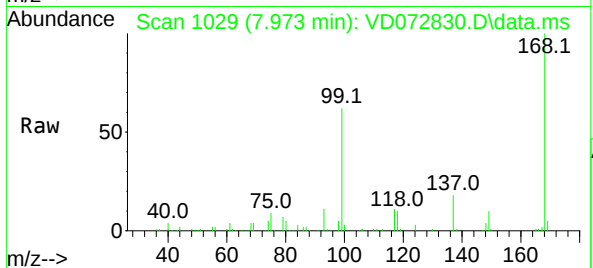




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072830.D
Acq: 06 May 2022 02:14

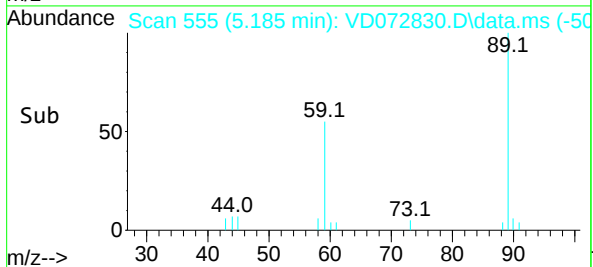
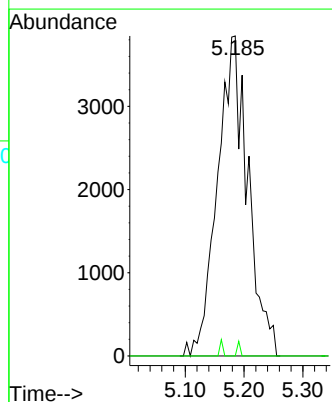
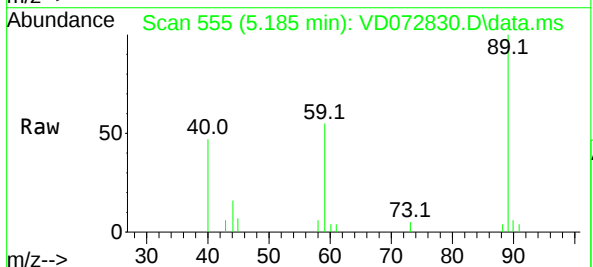
Instrument :
MSVOA_D
ClientSampleId :
B2-0-2

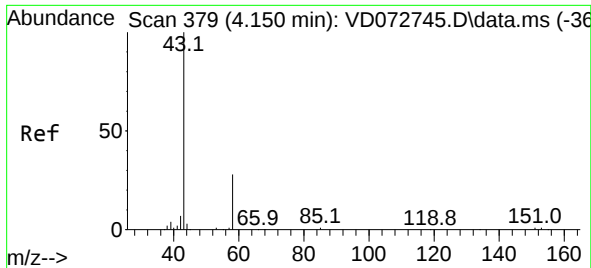
Tgt Ion:168 Resp: 167678
Ion Ratio Lower Upper
168 100
99 61.4 49.8 74.6



#11
Tert butyl alcohol
Concen: 73.152 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.030 min
Lab File: VD072830.D
Acq: 06 May 2022 02:14

Tgt Ion: 59 Resp: 13776
Ion Ratio Lower Upper
59 100
57 0.5 7.8 11.6#





#16

Acetone

Concen: 9.631 ug/l

RT: 4.150 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD072830.D

Acq: 06 May 2022 02:14

Instrument :

MSVOA_D

ClientSampleId :

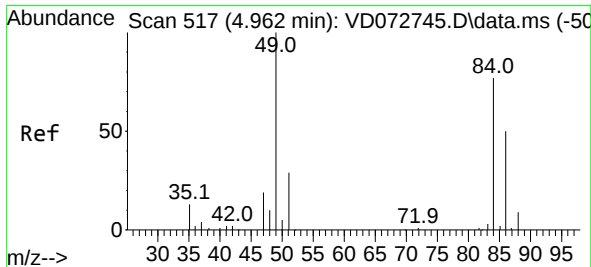
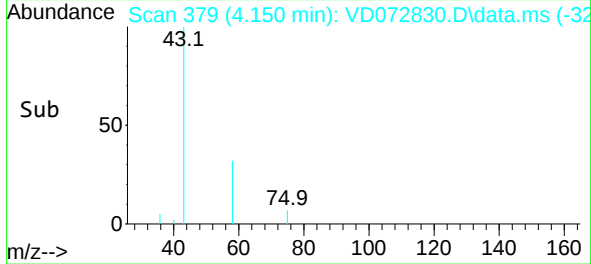
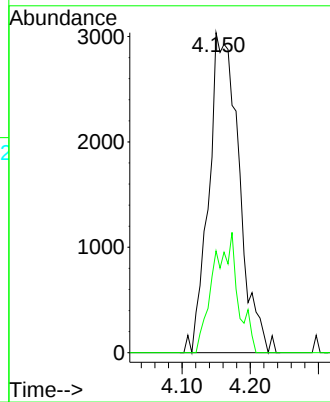
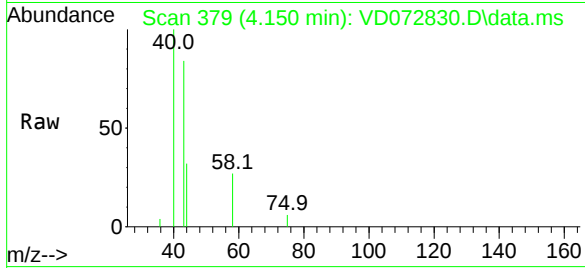
B2-0-2

Tgt Ion: 43 Resp: 9385

Ion Ratio Lower Upper

43 100

58 31.8 22.1 33.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.961 min Scan# 517

Delta R.T. -0.001 min

Lab File: VD072830.D

Acq: 06 May 2022 02:14

Tgt Ion: 84 Resp: 11458

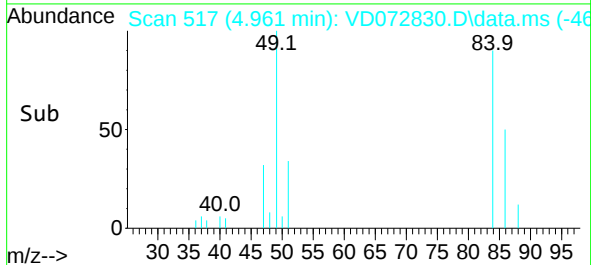
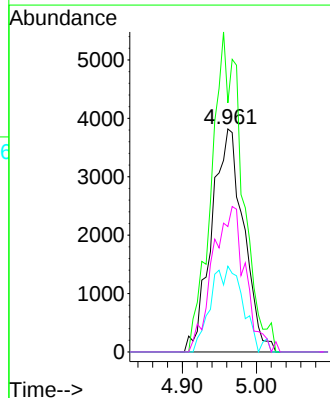
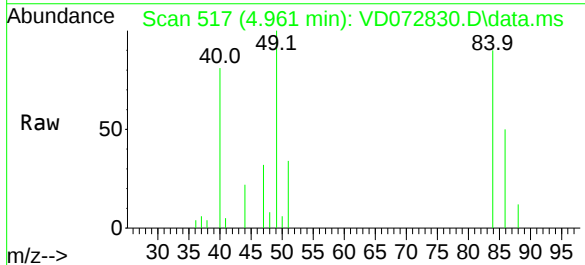
Ion Ratio Lower Upper

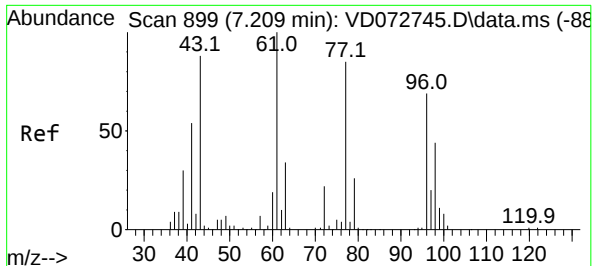
84 100

49 111.6 112.8 169.2#

51 38.5 32.6 48.8

86 56.2 47.9 71.9





#25

2-Butanone

Concen: 3.895 ug/l

RT: 7.179 min Scan# 899

Delta R.T. -0.030 min

Lab File: VD072830.D

Acq: 06 May 2022 02:14

Instrument :

MSVOA_D

ClientSampleId :

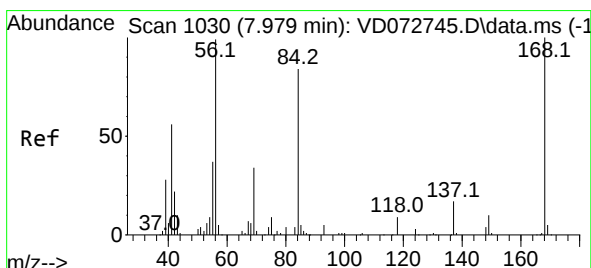
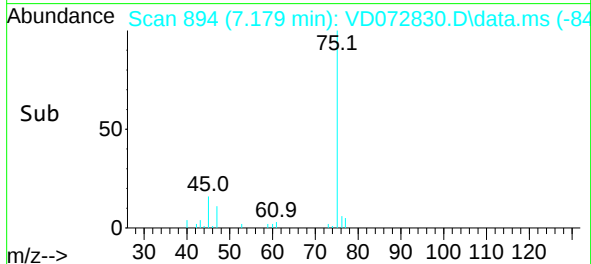
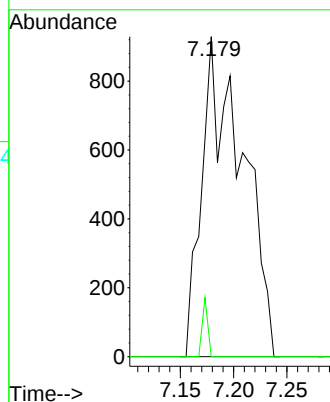
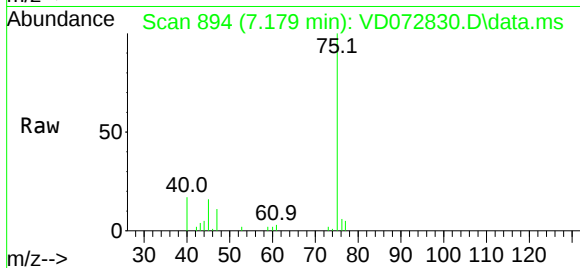
B2-0-2

Tgt Ion: 43 Resp: 2470

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#31

Cyclohexane

Concen: 1.341 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD072830.D

Acq: 06 May 2022 02:14

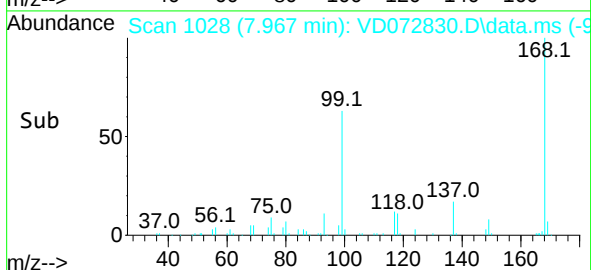
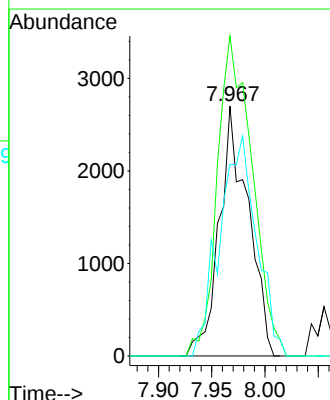
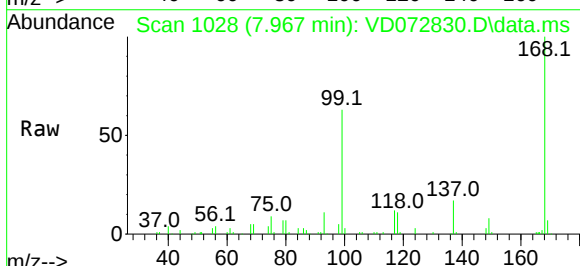
Tgt Ion: 56 Resp: 5103

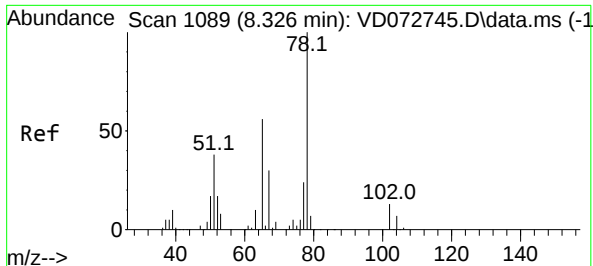
Ion Ratio Lower Upper

56 100

69 128.1 25.4 38.2#

84 76.7 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 60.378 ug/l

RT: 8.326 min Scan# 110

Delta R.T. -0.000 min

Lab File: VD072830.D

Acq: 06 May 2022 02:14

Instrument :

MSVOA_D

ClientSampleId :

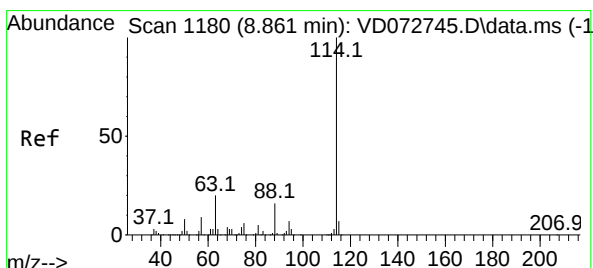
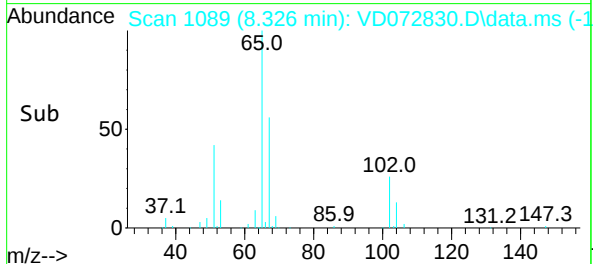
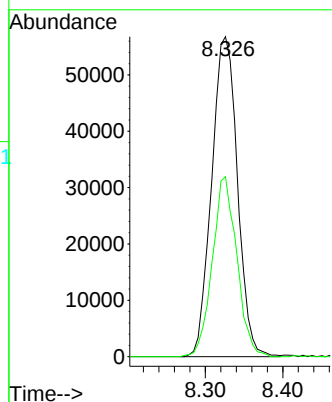
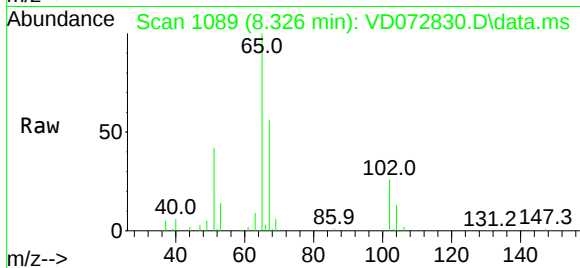
B2-0-2

Tgt Ion: 65 Resp: 131419

Ion Ratio Lower Upper

65 100

67 53.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072830.D

Acq: 06 May 2022 02:14

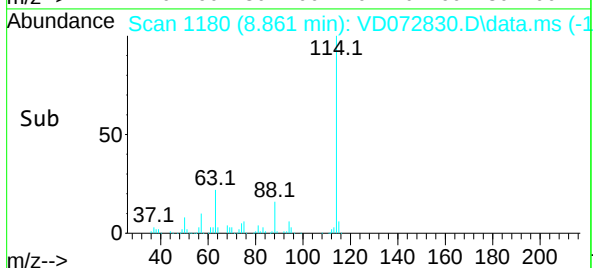
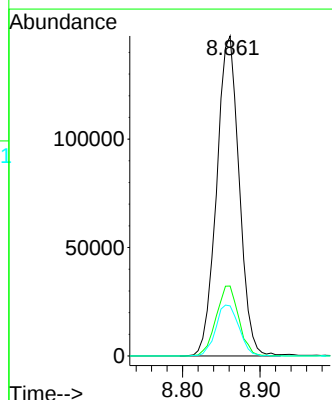
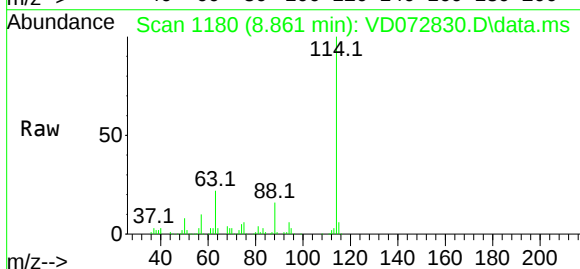
Tgt Ion: 114 Resp: 298090

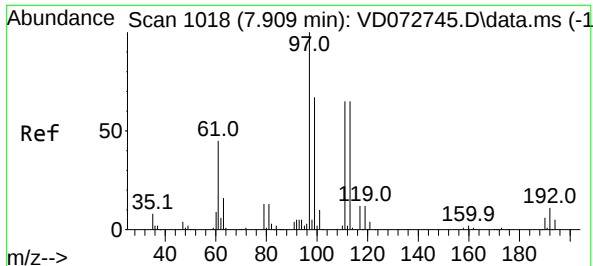
Ion Ratio Lower Upper

114 100

63 21.9 0.0 46.6

88 15.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 52.569 ug/l

RT: 7.908 min Scan# 110

Delta R.T. -0.001 min

Lab File: VD072830.D

Acq: 06 May 2022 02:14

Instrument :

MSVOA_D

ClientSampleId :

B2-0-2

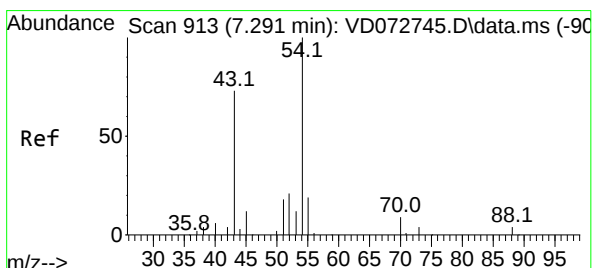
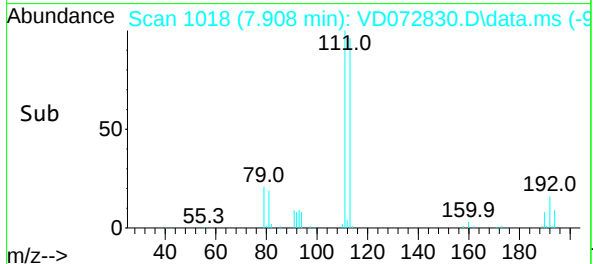
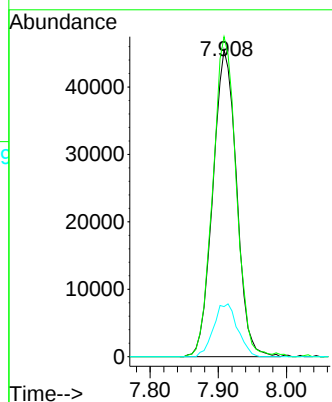
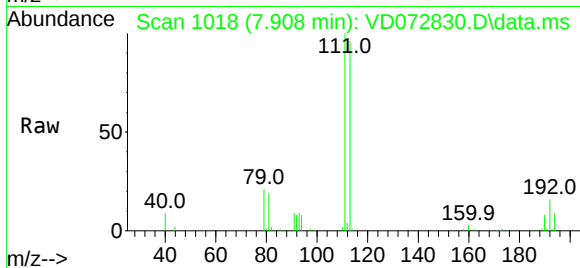
Tgt Ion:113 Resp: 110054

Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

192 17.4 14.6 21.8



#37

Ethyl Acetate

Concen: 1.578 ug/l

RT: 7.179 min Scan# 894

Delta R.T. -0.112 min

Lab File: VD072830.D

Acq: 06 May 2022 02:14

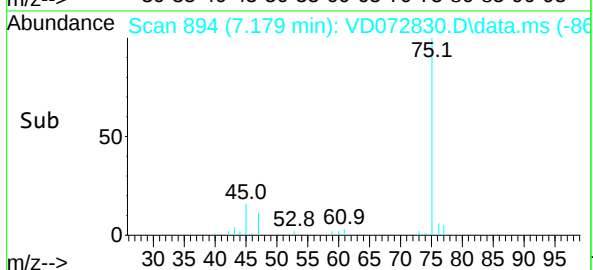
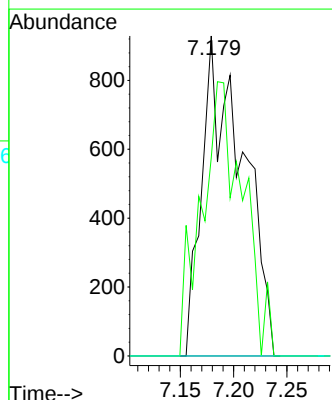
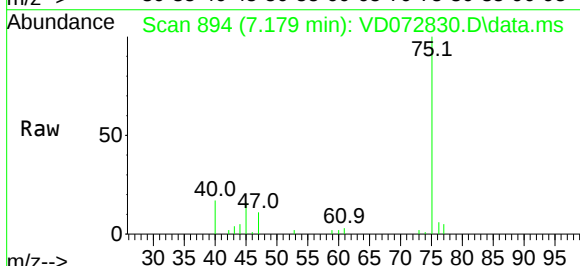
Tgt Ion: 43 Resp: 2470

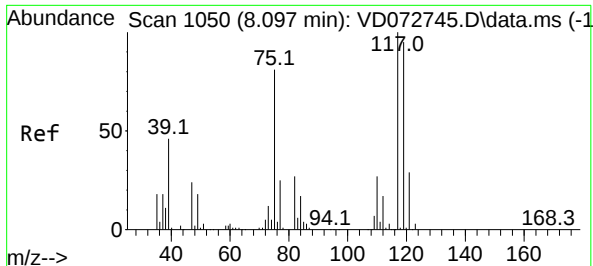
Ion Ratio Lower Upper

43 100

61 86.9 9.8 14.8#

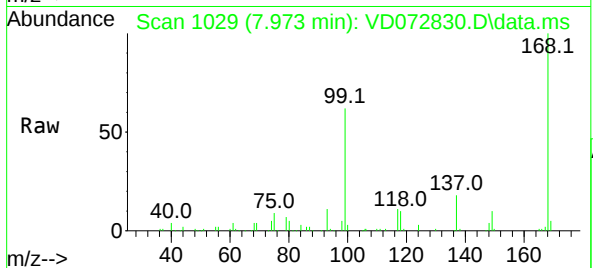
70 0.0 6.9 10.3#



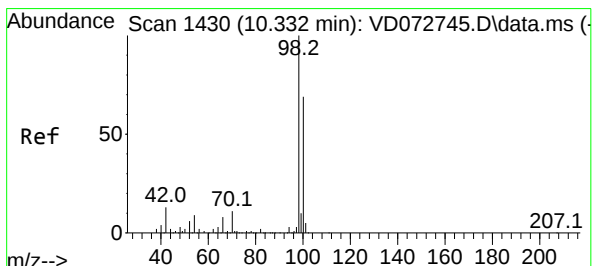
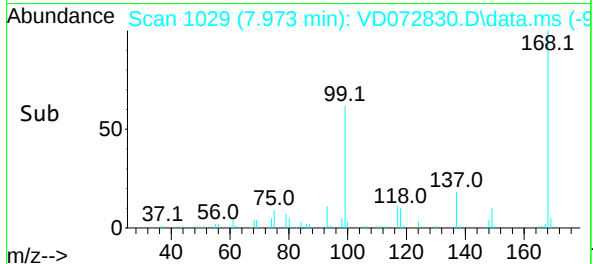
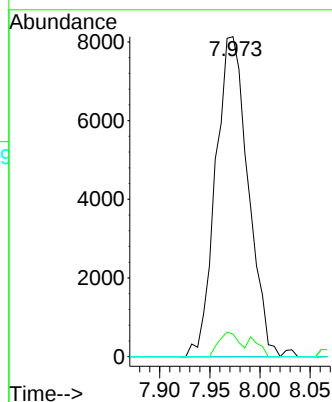


#38
Carbon Tetrachloride
Concen: 5.184 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD072830.D
Acq: 06 May 2022 02:14

Instrument :
MSVOA_D
ClientSampleId :
B2-0-2

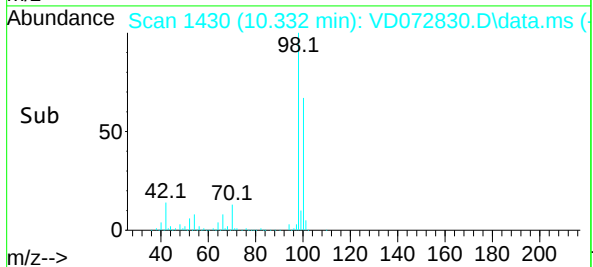
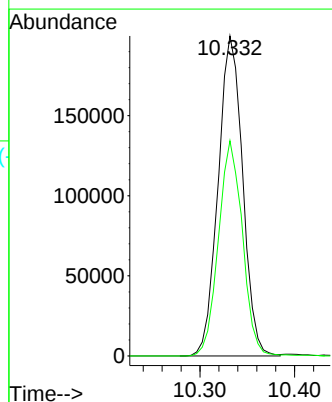
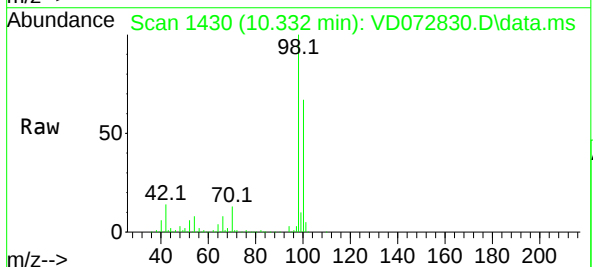


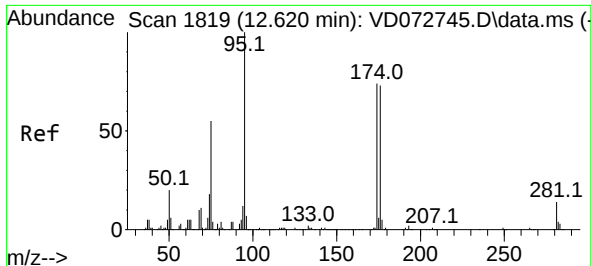
Tgt Ion:117 Resp: 18317
Ion Ratio Lower Upper
117 100
119 7.1 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 47.894 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072830.D
Acq: 06 May 2022 02:14

Tgt Ion: 98 Resp: 359666
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6

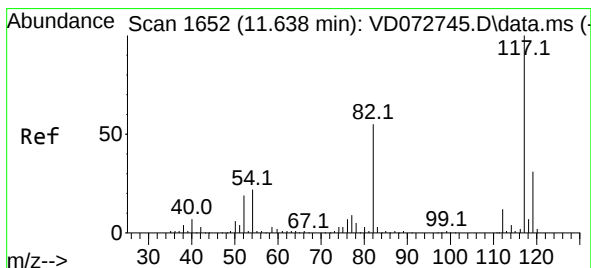
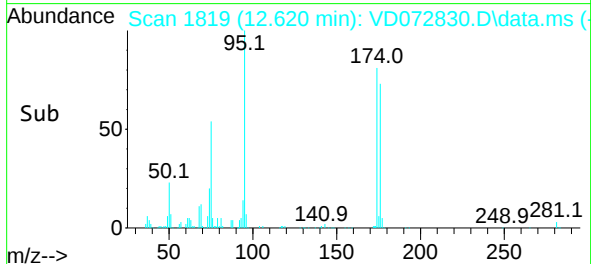
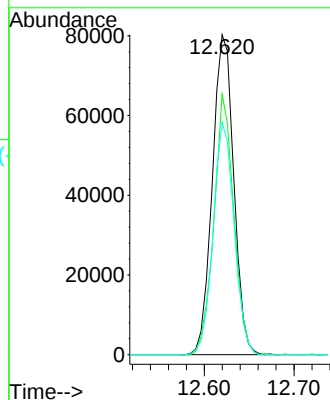
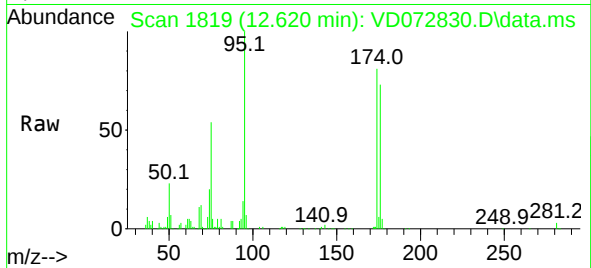




#62
4-Bromofluorobenzene
Concen: 47.434 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072830.D
Acq: 06 May 2022 02:14

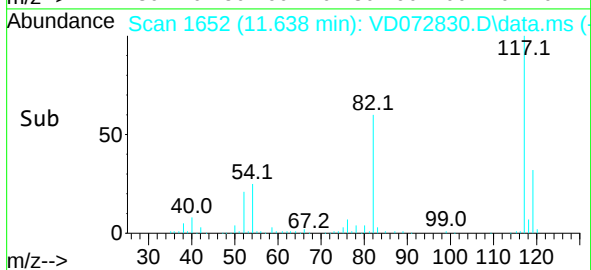
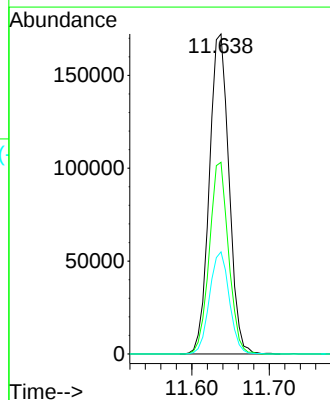
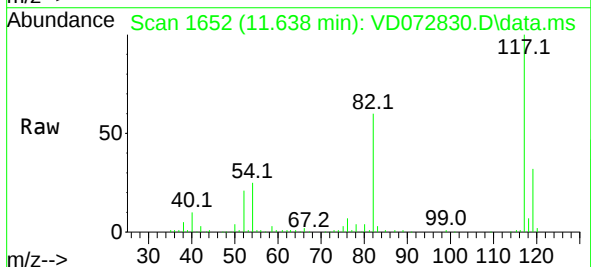
Instrument :
MSVOA_D
ClientSampleId :
B2-0-2

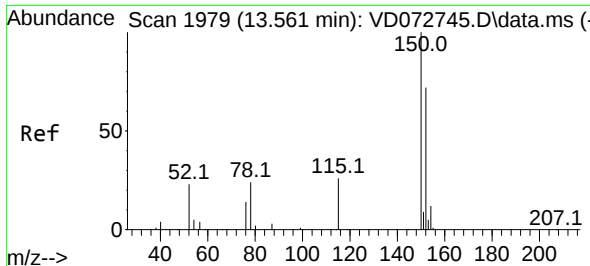
Tgt Ion: 95 Resp: 132822
Ion Ratio Lower Upper
95 100
174 75.5 0.0 152.8
176 71.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072830.D
Acq: 06 May 2022 02:14

Tgt Ion: 117 Resp: 303047
Ion Ratio Lower Upper
117 100
82 59.9 45.3 67.9
119 31.9 26.6 40.0

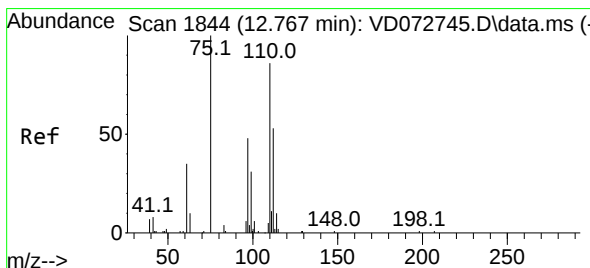
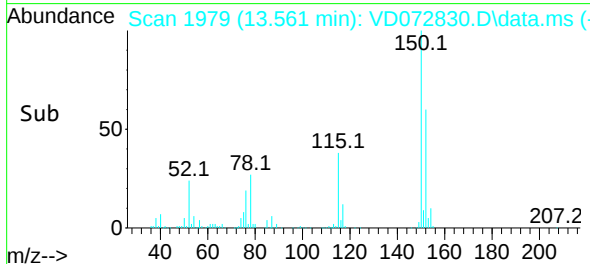
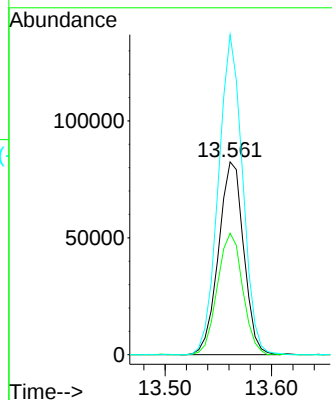
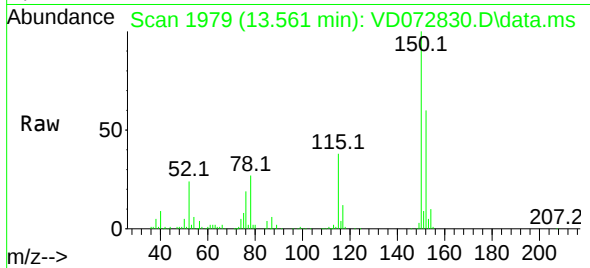




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072830.D
Acq: 06 May 2022 02:14

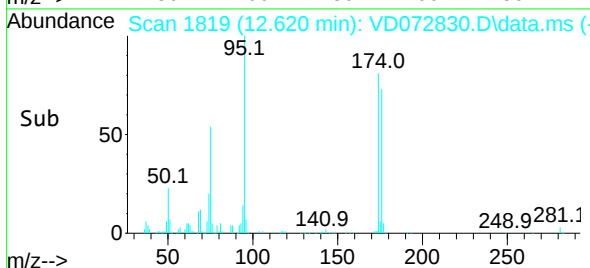
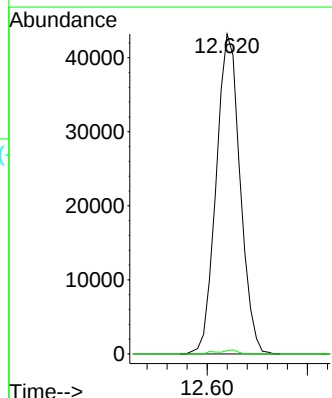
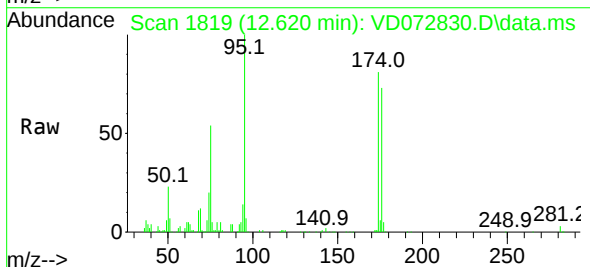
Instrument :
MSVOA_D
ClientSampleId :
B2-0-2

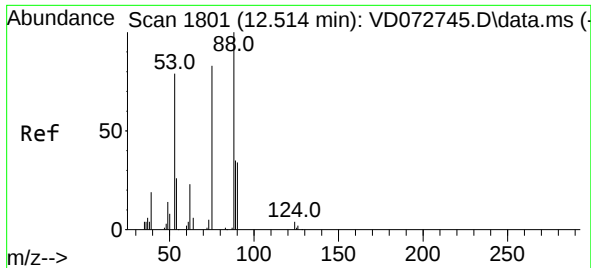
Tgt Ion:152 Resp: 135194
Ion Ratio Lower Upper
152 100
115 63.2 31.3 93.8
150 159.6 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 47.400 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072830.D
Acq: 06 May 2022 02:14

Tgt Ion: 75 Resp: 71455
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.000 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072830.D
 Acq: 06 May 2022 02:14

Instrument :
 MSVOA_D
 ClientSampleId :
 B2-0-2

Tgt Ion: 75 Resp: 71455
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.0 33.9 50.9#

