

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
 Data File : VD072855.D
 Acq On : 06 May 2022 16:57
 Operator : VA/SY
 Sample : N2665-09RE
 Misc : 5.72G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-11,15

Quant Time: May 07 00:05:28 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)

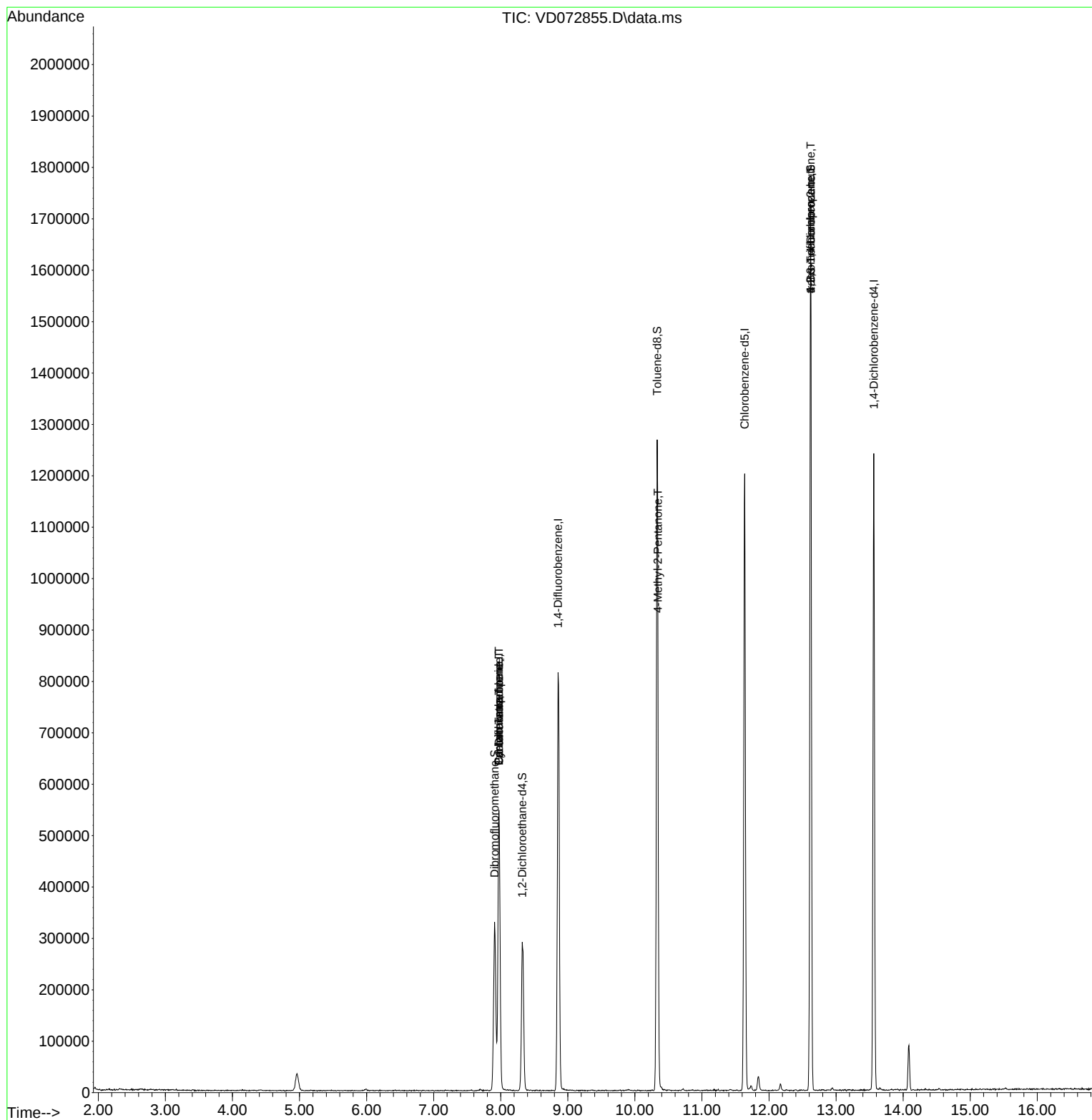
Internal Standards						
1) Pentafluorobenzene	7.973	168	389352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	697508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	678363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	305167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	239055	47.299	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.600%		
35) Dibromofluoromethane	7.908	113	232967	47.557	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.120%		
50) Toluene-d8	10.332	98	853933	48.596	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.200%		
62) 4-Bromofluorobenzene	12.620	95	327077	49.919	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.840%		
Target Compounds						
5) Bromomethane	2.785	94	1055	Below Cal	Qvalue	83
16) Acetone	4.156	43	758	Below Cal	#	47
18) Methyl Acetate	4.750	43	105	Below Cal	#	55
20) Methylene Chloride	4.962	84	25697	Below Cal		91
31) Cyclohexane	7.973	56	9035	1.023	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	33638	4.223	ug/l #	52
38) Carbon Tetrachloride	7.973	117	41821	5.058	ug/l #	17
51) 4-Methyl-2-Pentanone	10.344	43	4278	1.218	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	181232	53.259	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	181232	122.475	ug/l #	8

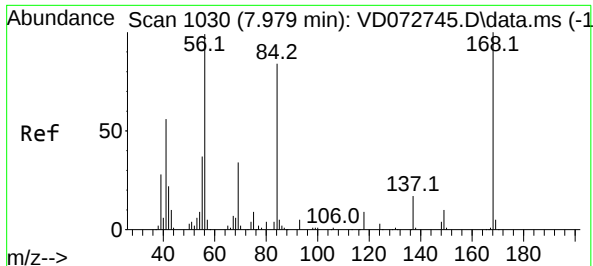
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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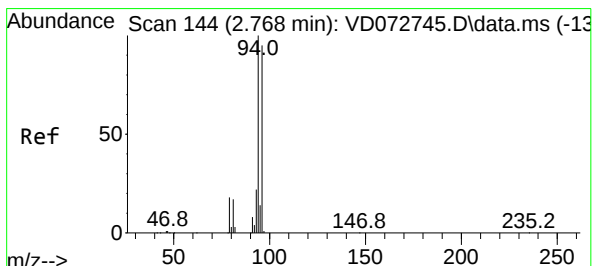
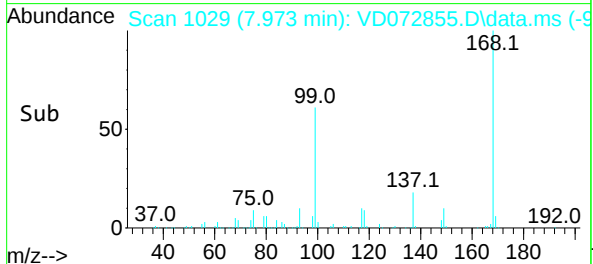
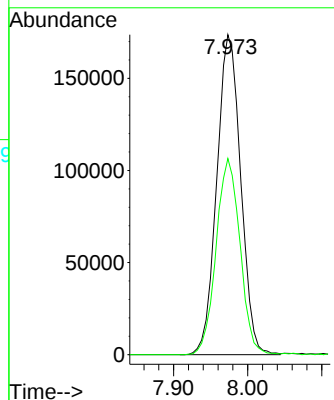
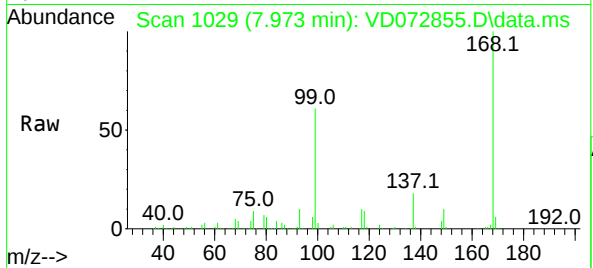




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072855.D
Acq: 06 May 2022 16:57

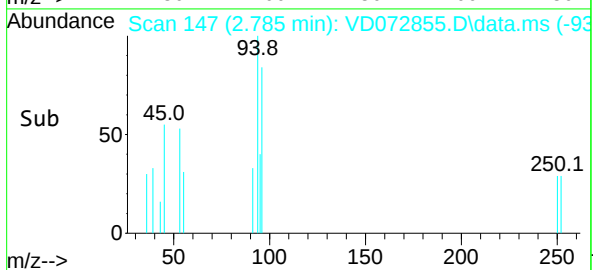
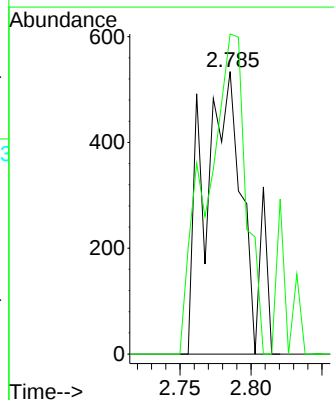
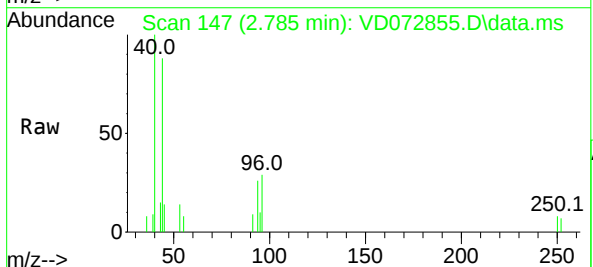
Instrument :
MSVOA_D
ClientSampleId :
SB-11,15

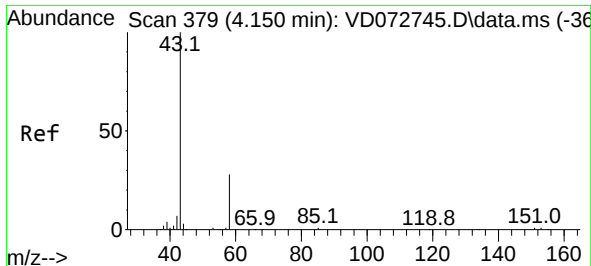
Tgt Ion:168 Resp: 389352
Ion Ratio Lower Upper
168 100
99 61.3 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD072855.D
Acq: 06 May 2022 16:57

Tgt Ion: 94 Resp: 1055
Ion Ratio Lower Upper
94 100
96 113.3 77.6 116.4

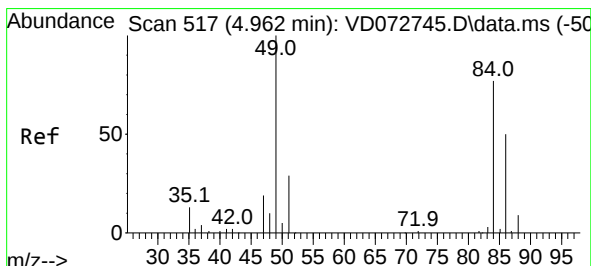
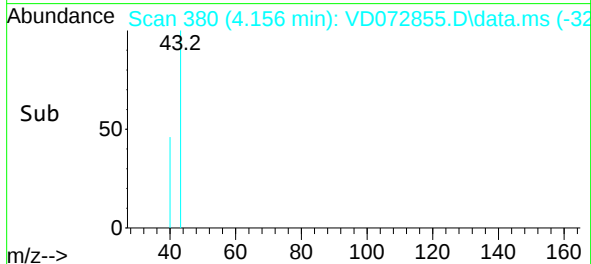
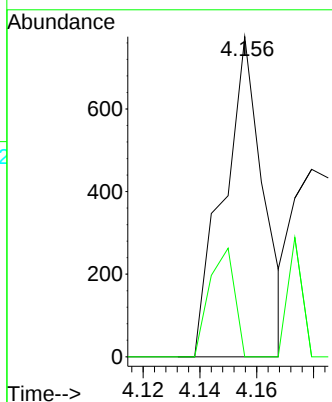
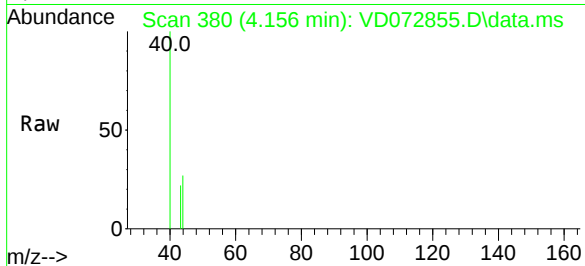




#16
Acetone
Concen: Below Cal
RT: 4.156 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD072855.D
Acq: 06 May 2022 16:57

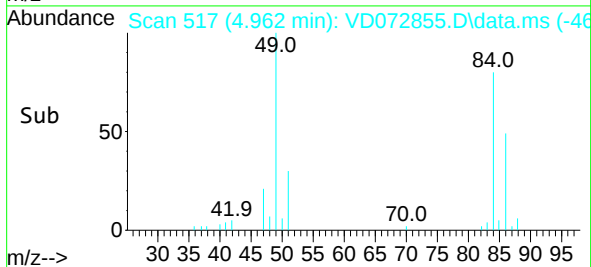
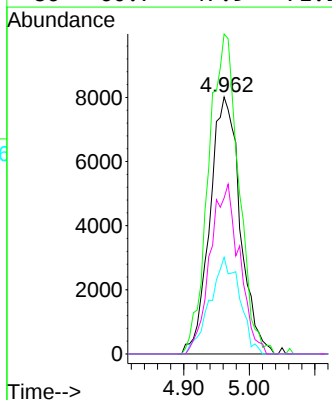
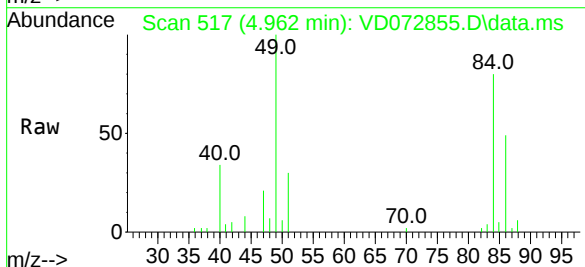
Instrument :
MSVOA_D
ClientSampleId :
SB-11,15

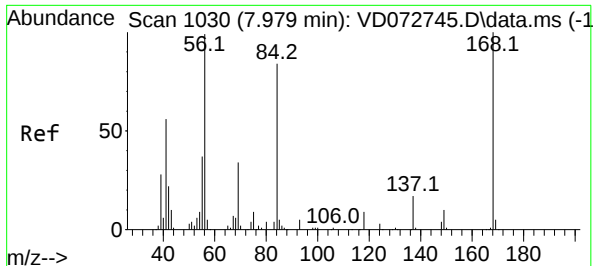
Tgt Ion: 43 Resp: 758
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072855.D
Acq: 06 May 2022 16:57

Tgt Ion: 84 Resp: 25697
Ion Ratio Lower Upper
84 100
49 124.6 112.8 169.2
51 37.6 32.6 48.8
86 60.7 47.9 71.9





#31

Cyclohexane

Concen: 1.023 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072855.D

Acq: 06 May 2022 16:57

Instrument :

MSVOA_D

ClientSampleId :

SB-11,15

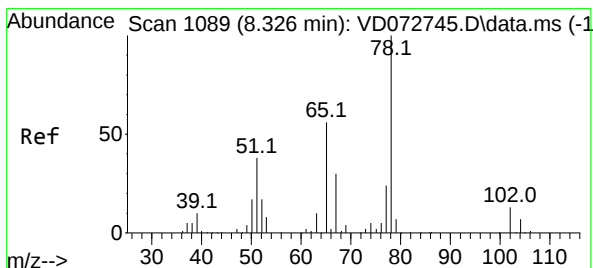
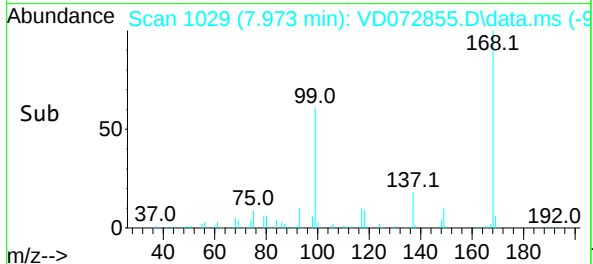
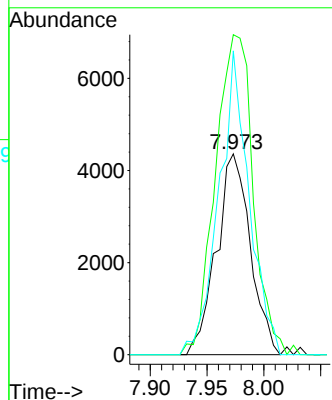
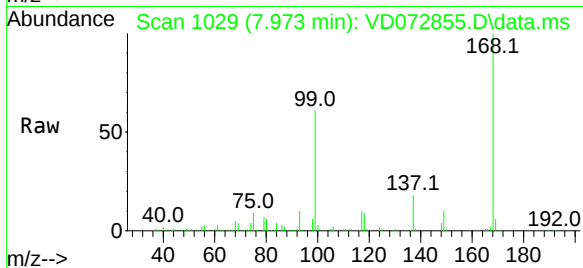
Tgt Ion: 56 Resp: 9035

Ion Ratio Lower Upper

56 100

69 159.3 25.4 38.2#

84 151.3 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 47.299 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD072855.D

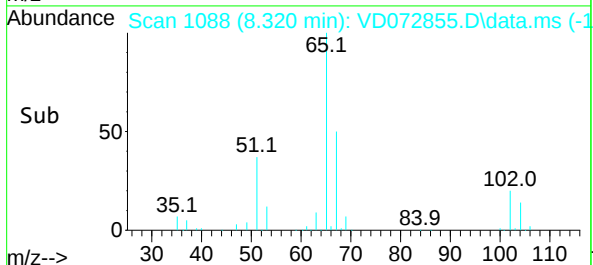
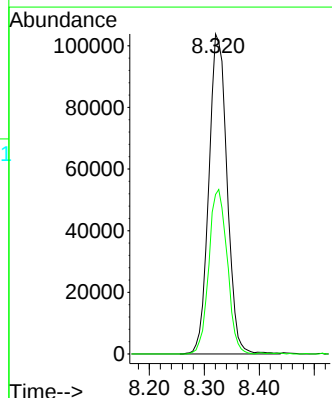
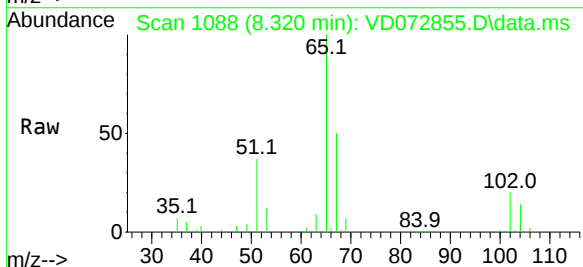
Acq: 06 May 2022 16:57

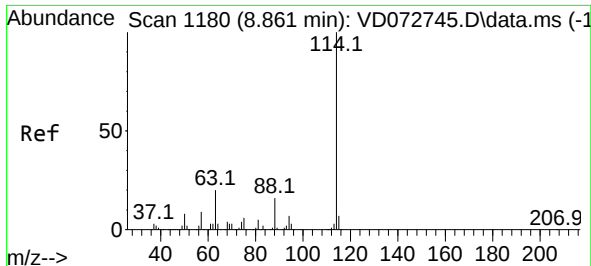
Tgt Ion: 65 Resp: 239055

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD072855.D

Acq: 06 May 2022 16:57

Instrument :

MSVOA_D

ClientSampleId :

SB-11,15

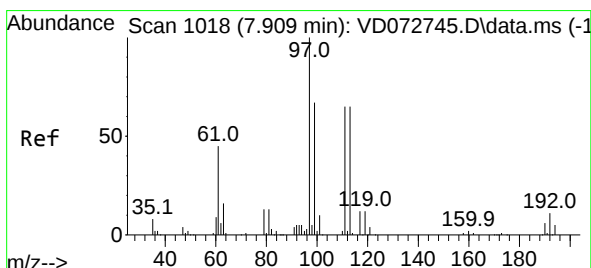
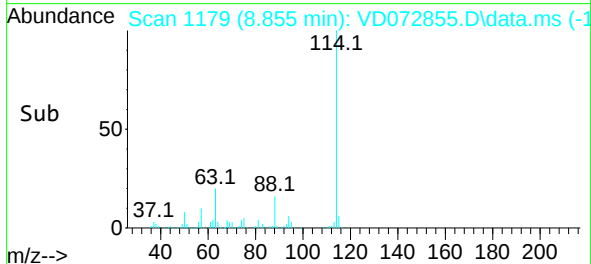
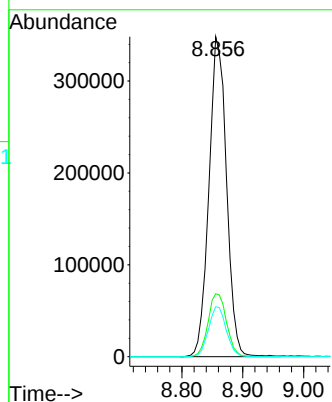
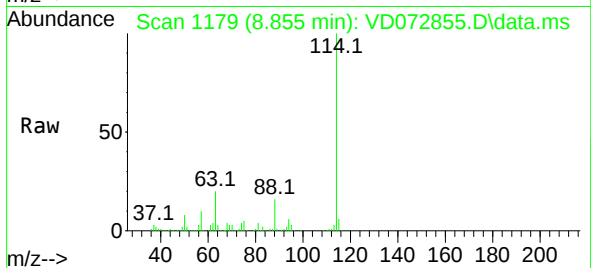
Tgt Ion:114 Resp: 697508

Ion Ratio Lower Upper

114 100

63 19.6 0.0 46.6

88 15.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.557 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072855.D

Acq: 06 May 2022 16:57

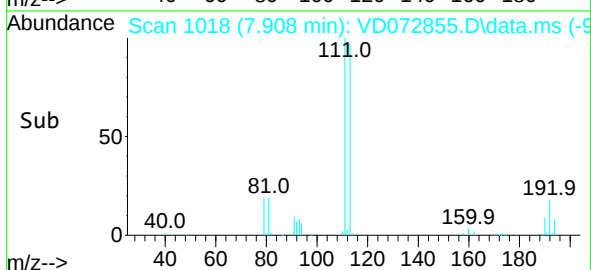
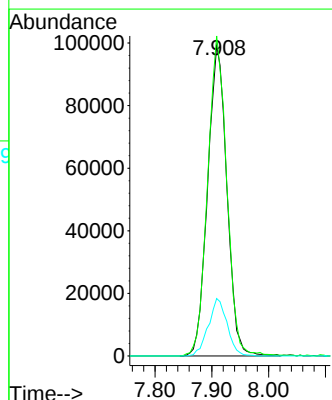
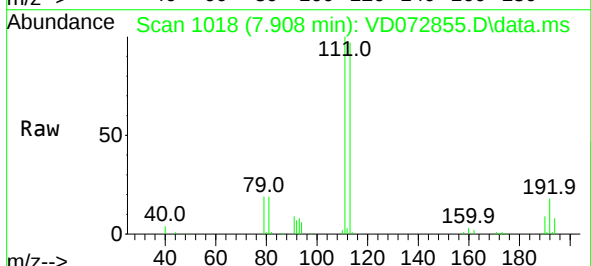
Tgt Ion:113 Resp: 232967

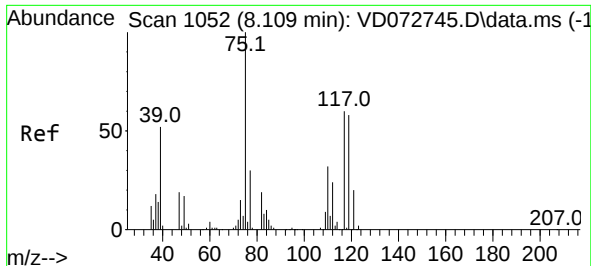
Ion Ratio Lower Upper

113 100

111 102.5 83.8 125.6

192 18.1 14.6 21.8

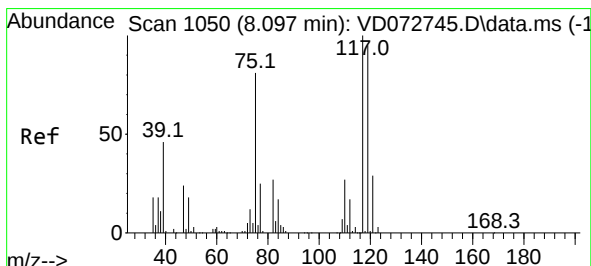
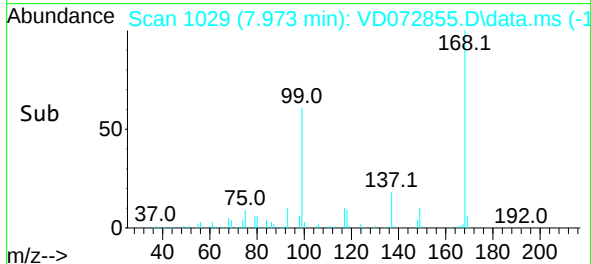
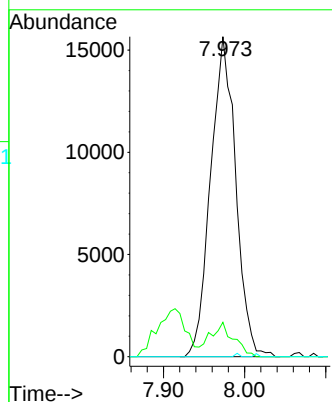
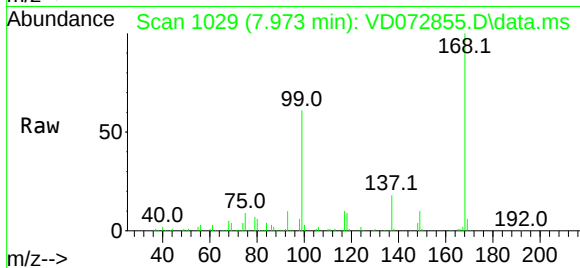




#36
1,1-Dichloropropene
Concen: 4.223 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.136 min
Lab File: VD072855.D
Acq: 06 May 2022 16:57

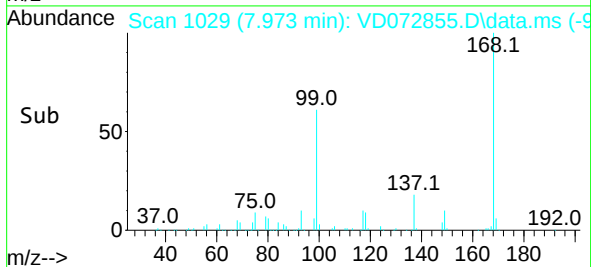
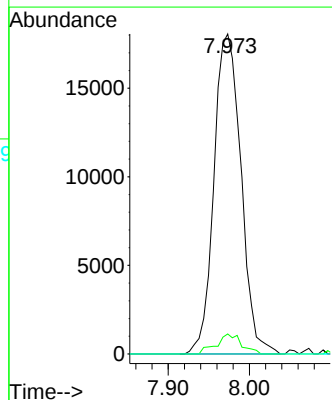
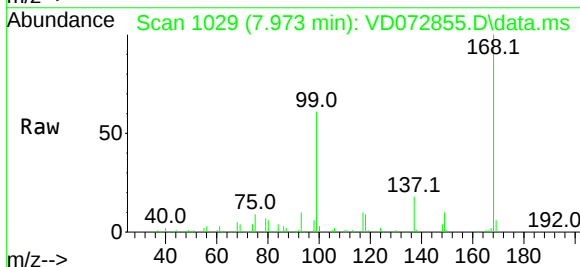
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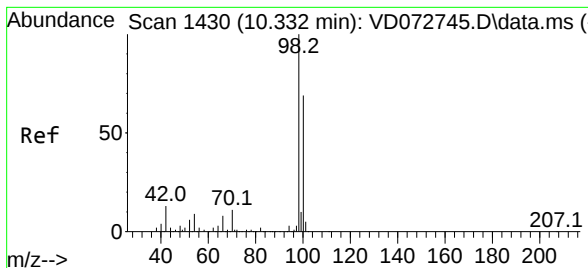
Tgt Ion: 75 Resp: 33638
Ion Ratio Lower Upper
75 100
110 9.9 16.4 49.1#
77 0.2 24.2 36.2#



#38
Carbon Tetrachloride
Concen: 5.058 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD072855.D
Acq: 06 May 2022 16:57

Tgt Ion: 117 Resp: 41821
Ion Ratio Lower Upper
117 100
119 6.2 75.8 113.6#
121 0.0 24.5 36.7#

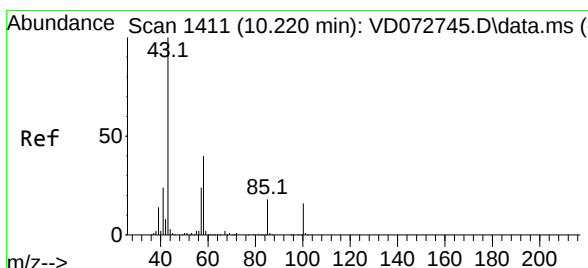
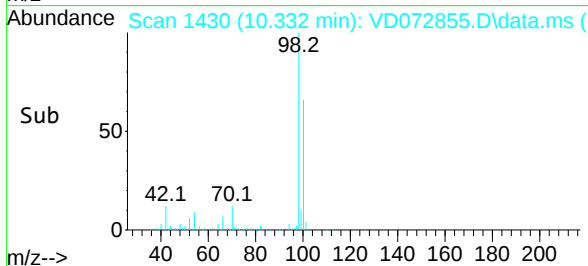
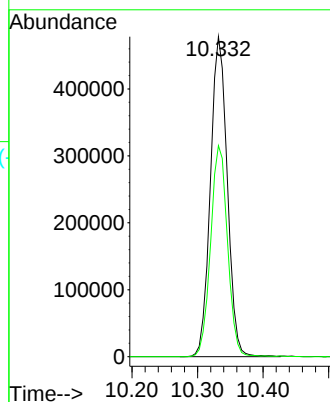
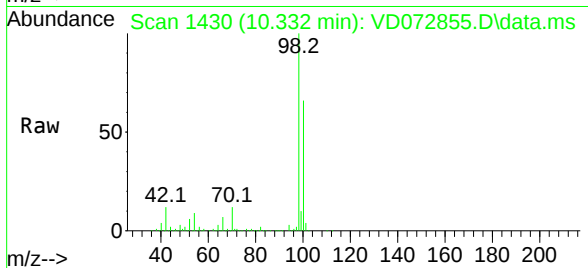




#50
Toluene-d8
Concen: 48.596 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072855.D
Acq: 06 May 2022 16:57

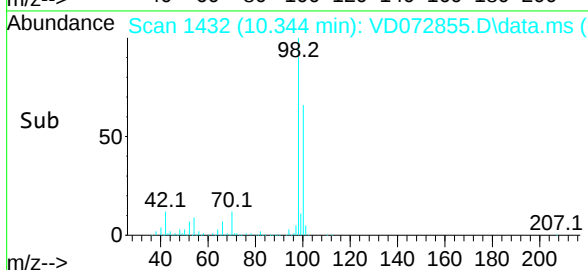
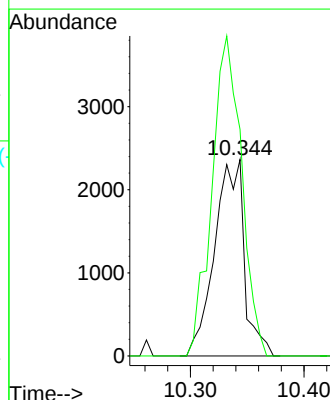
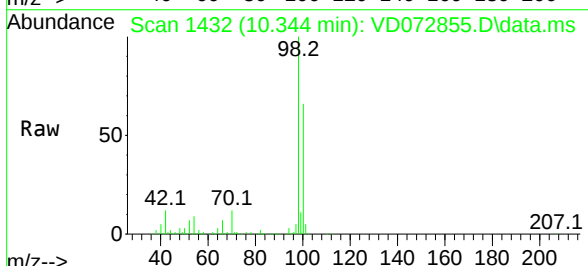
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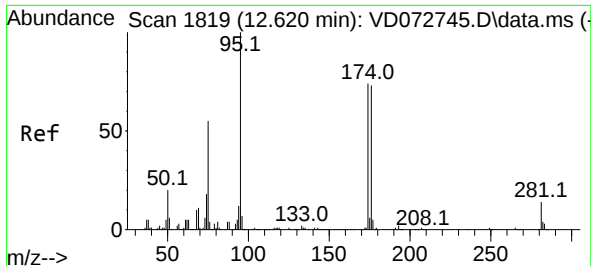
Tgt Ion: 98 Resp: 853933
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.218 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.124 min
Lab File: VD072855.D
Acq: 06 May 2022 16:57

Tgt Ion: 43 Resp: 4278
Ion Ratio Lower Upper
43 100
58 163.5 28.6 43.0#

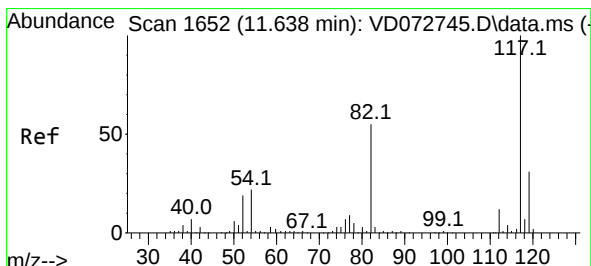
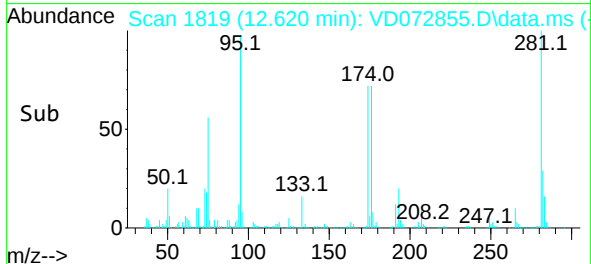
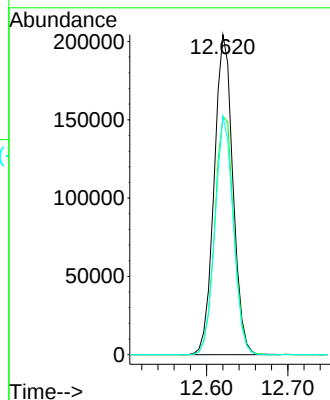
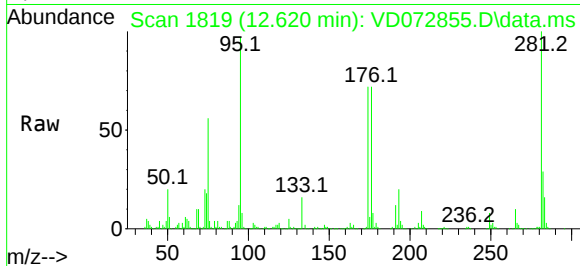




#62
4-Bromofluorobenzene
Concen: 49.919 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072855.D
Acq: 06 May 2022 16:57

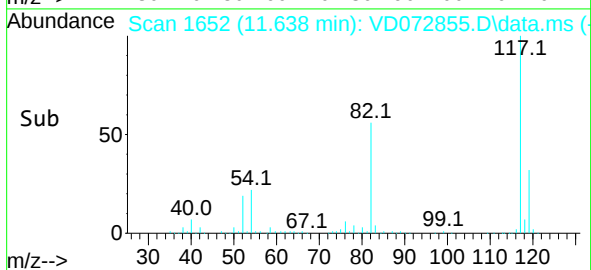
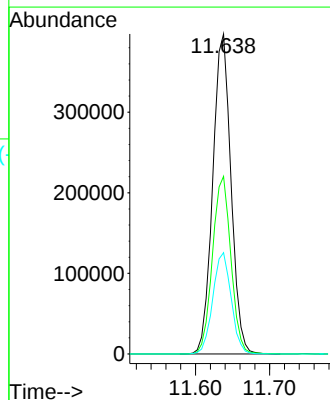
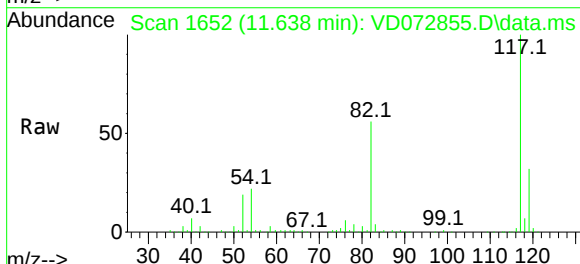
Instrument :
MSVOA_D
ClientSampleId :
SB-11,15

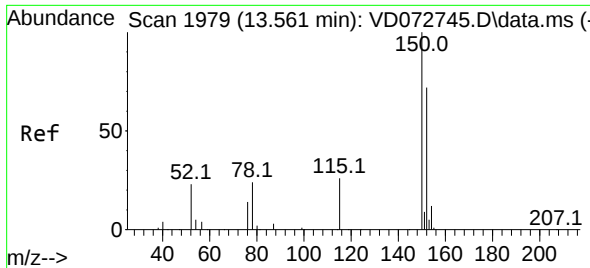
Tgt Ion: 95 Resp: 327077
Ion Ratio Lower Upper
95 100
174 76.1 0.0 152.8
176 73.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072855.D
Acq: 06 May 2022 16:57

Tgt Ion: 117 Resp: 678363
Ion Ratio Lower Upper
117 100
82 55.5 45.3 67.9
119 31.7 26.6 40.0

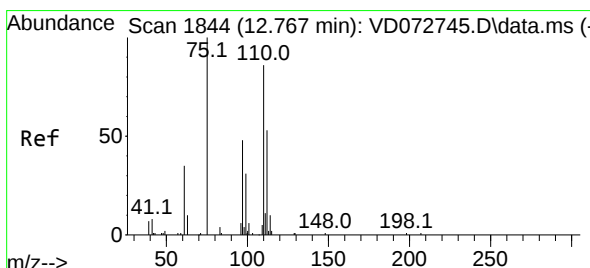
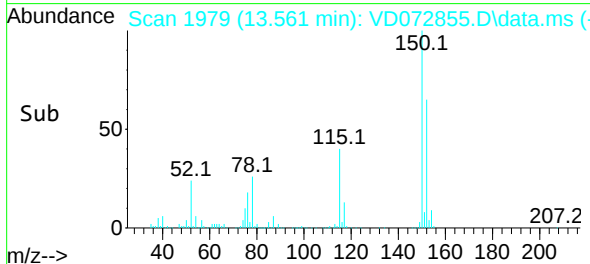
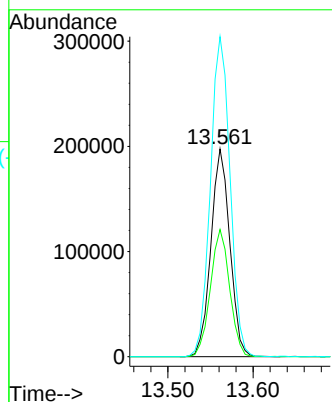
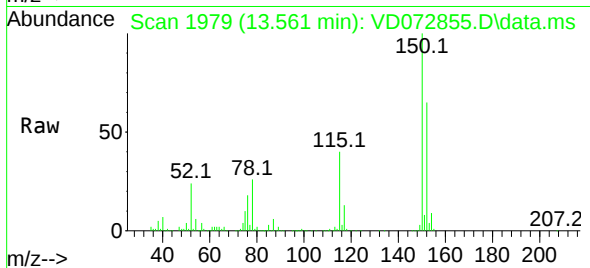




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072855.D
Acq: 06 May 2022 16:57

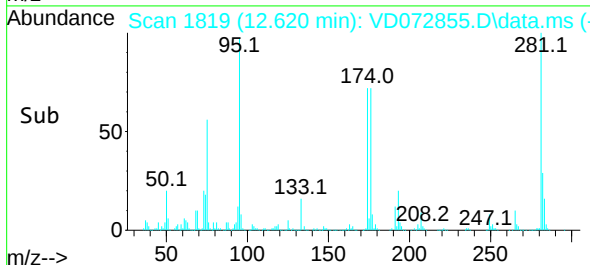
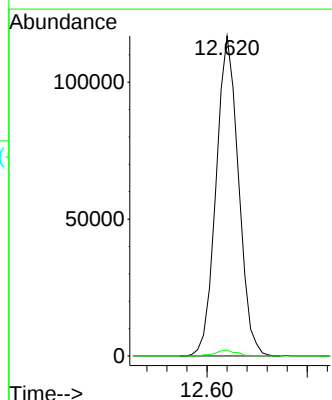
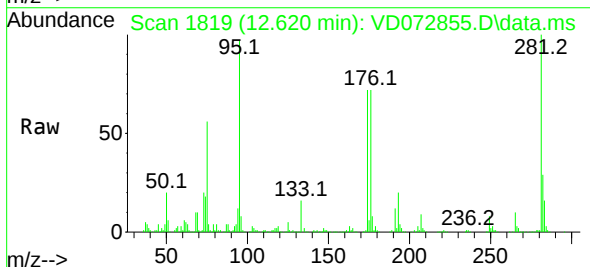
Instrument :
MSVOA_D
ClientSampleId :
SB-11,15

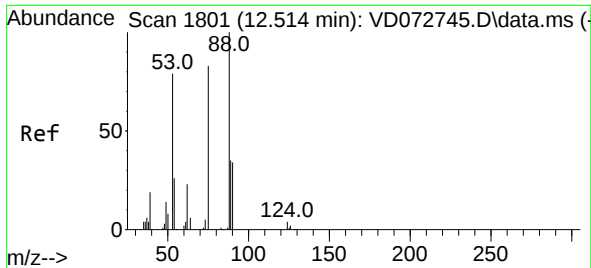
Tgt Ion:152 Resp: 305167
Ion Ratio Lower Upper
152 100
115 62.2 31.3 93.8
150 159.7 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 53.259 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072855.D
Acq: 06 May 2022 16:57

Tgt Ion: 75 Resp: 181232
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.475 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD072855.D
 Acq: 06 May 2022 16:57

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-11,15

Tgt Ion: 75 Resp: 181232
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 1.8 33.9 50.9#

