

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072293.D
 Acq On : 18 Mar 2022 16:45
 Operator : VA/SY
 Sample : N1994-04
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-02-4.5-5.0RE

Quant Time: Mar 19 05:25:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

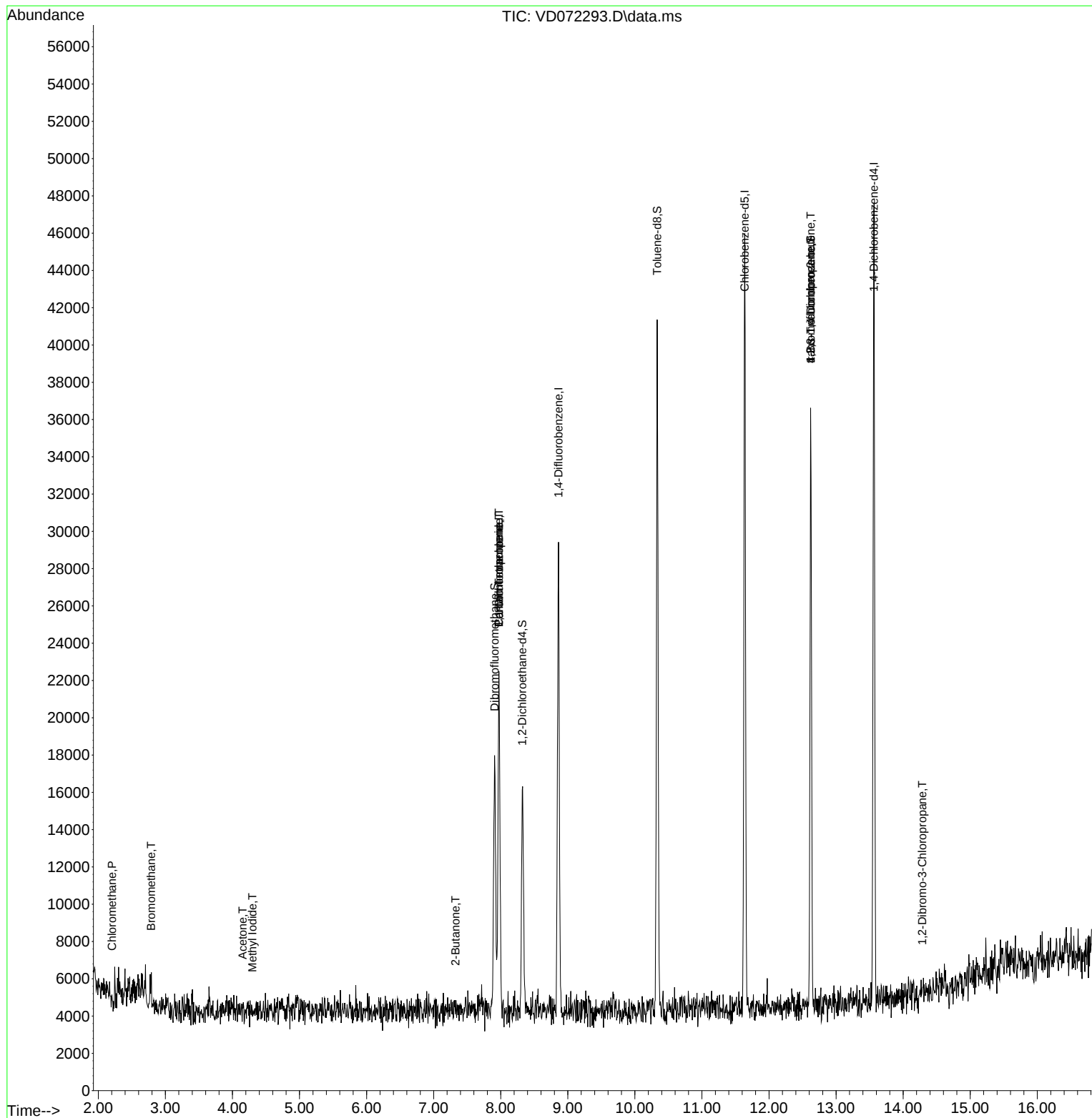
Internal Standards						
1) Pentafluorobenzene	7.973	168	13362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	19937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	22692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	11617	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	9363	62.876	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.760%	
35) Dibromofluoromethane	7.909	113	9284	66.173	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 132.340%	
50) Toluene-d8	10.332	98	24624	48.000	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.000%	
62) 4-Bromofluorobenzene	12.620	95	10090	50.620	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.240%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	245	2.231	ug/l #	59
5) Bromomethane	2.785	94	576	8.344	ug/l #	43
10) Methyl Iodide	4.297	142	78	2.772	ug/l #	38
16) Acetone	4.150	43	180	5.567	ug/l #	47
20) Methylene Chloride	4.962	84	468	Below Cal	#	2
25) 2-Butanone	7.326	43	60	1.392	ug/l #	52
36) 1,1-Dichloropropene	7.973	75	1082	5.497	ug/l #	50
38) Carbon Tetrachloride	7.973	117	1330	5.945	ug/l #	13
76) 1,2,3-Trichloropropane	12.620	75	5661	44.176	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	5661	109.606	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.285	75	66	2.512	ug/l #	6

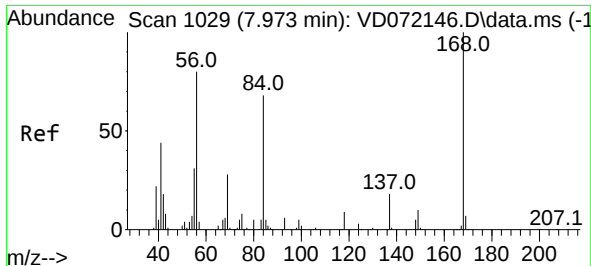
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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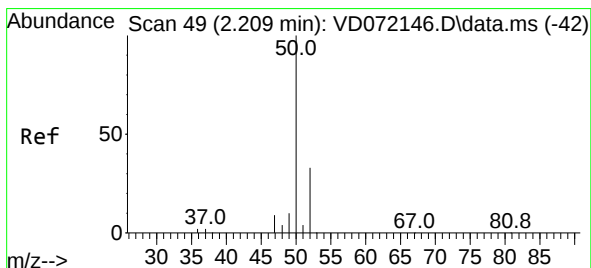
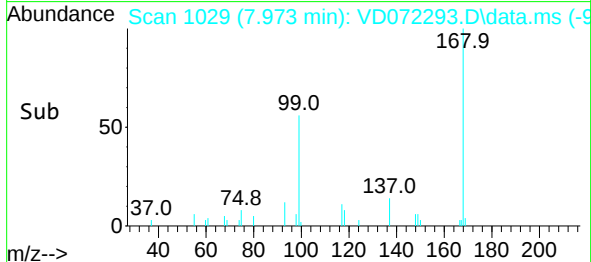
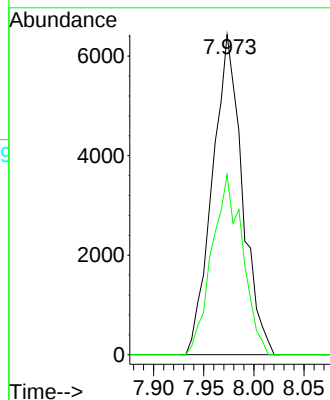
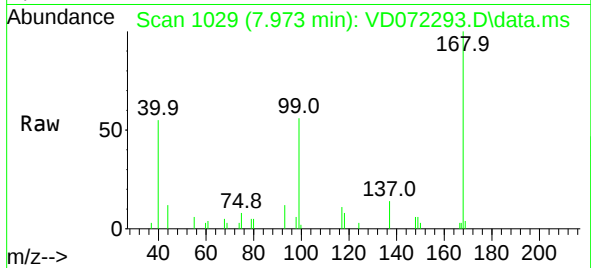




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD072293.D
Acq: 18 Mar 2022 16:45

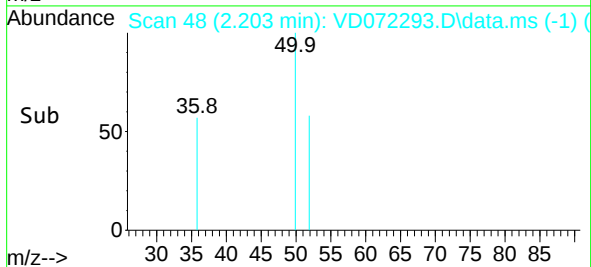
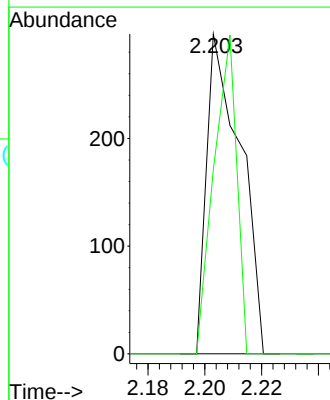
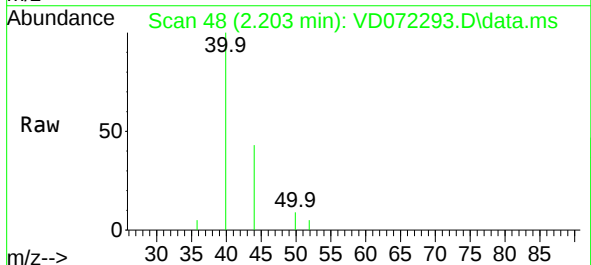
Instrument :
MSVOA_D
ClientSampleId :
SB-02-4.5-5.0RE

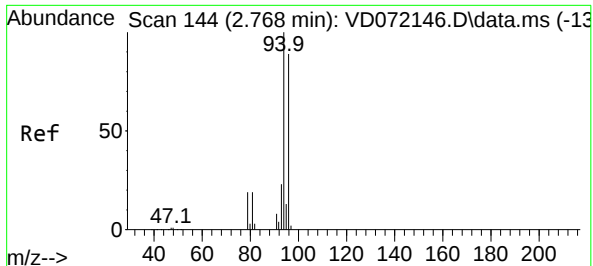
Tgt Ion:168 Resp: 13362
Ion Ratio Lower Upper
168 100
99 56.3 49.8 74.6



#3
Chloromethane
Concen: 2.231 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD072293.D
Acq: 18 Mar 2022 16:45

Tgt Ion: 50 Resp: 245
Ion Ratio Lower Upper
50 100
52 57.6 27.4 41.0#

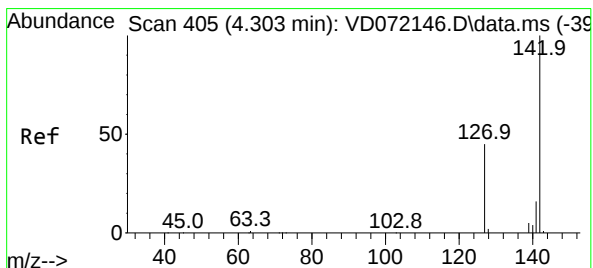
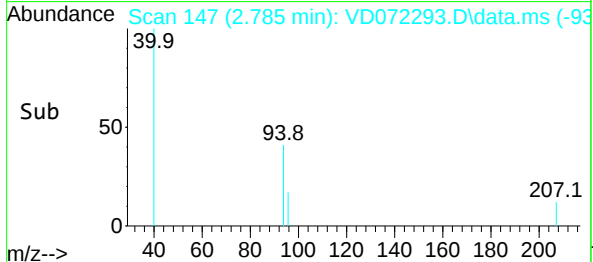
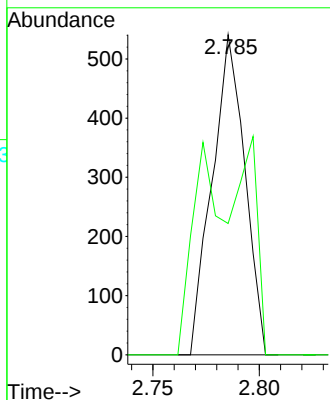
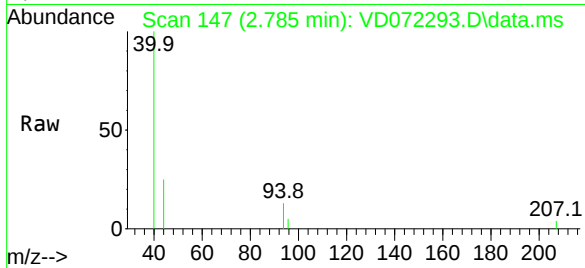




#5
Bromomethane
Concen: 8.344 ug/l
RT: 2.785 min Scan# 14
Delta R.T. 0.018 min
Lab File: VD072293.D
Acq: 18 Mar 2022 16:45

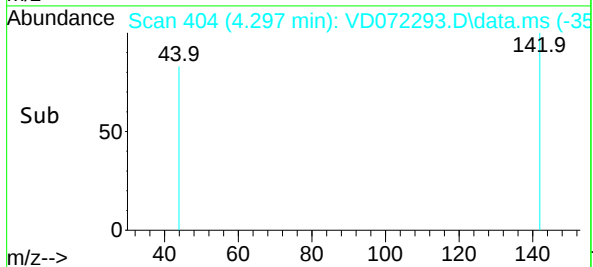
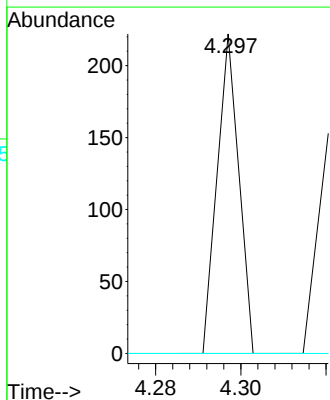
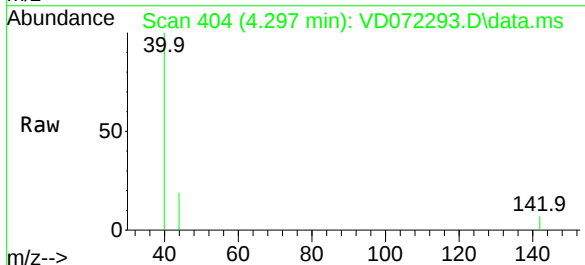
Instrument :
MSVOA_D
ClientSampleId :
SB-02-4.5-5.0RE

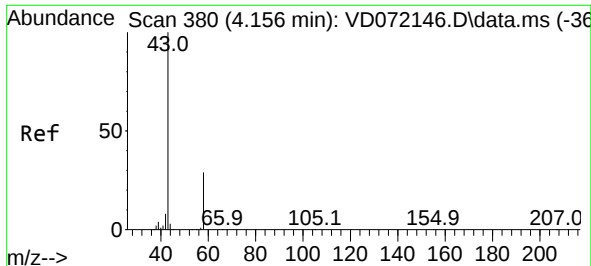
Tgt Ion: 94 Resp: 576
Ion Ratio Lower Upper
94 100
96 41.0 77.6 116.4#



#10
Methyl Iodide
Concen: 2.772 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD072293.D
Acq: 18 Mar 2022 16:45

Tgt Ion: 142 Resp: 78
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

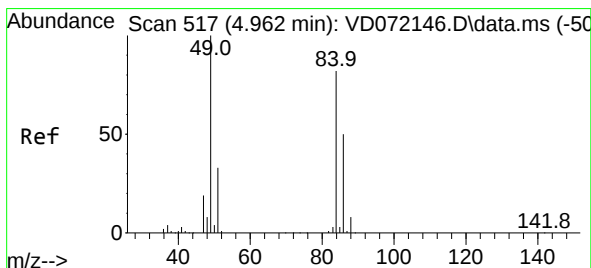
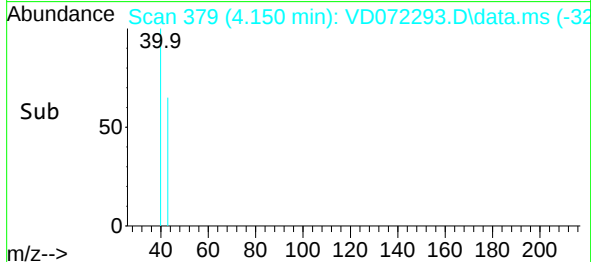
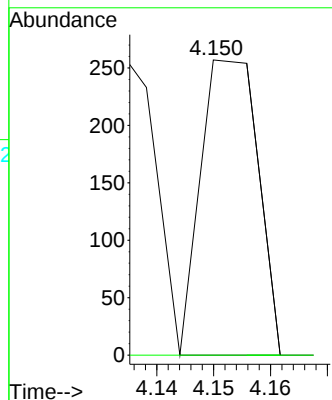
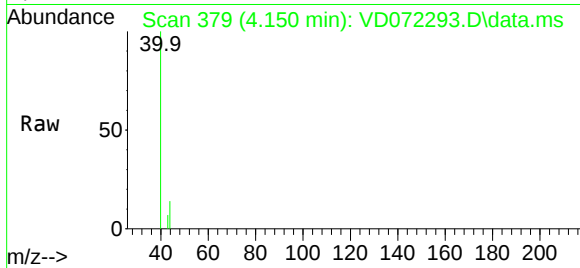




#16
Acetone
Concen: 5.567 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD072293.D
Acq: 18 Mar 2022 16:45

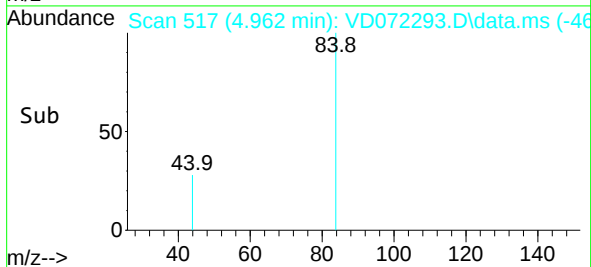
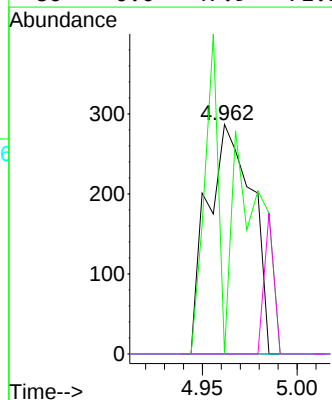
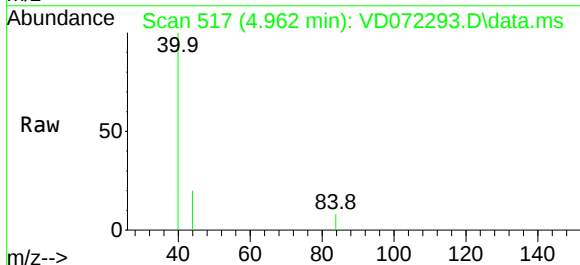
Instrument :
MSVOA_D
ClientSampleId :
SB-02-4.5-5.0RE

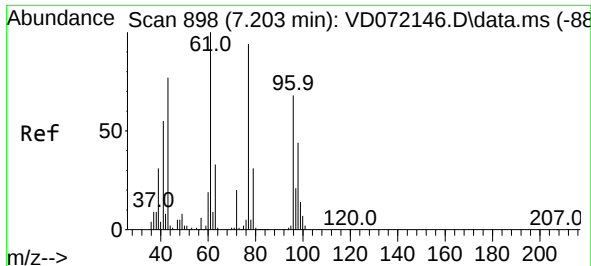
Tgt Ion: 43 Resp: 180
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072293.D
Acq: 18 Mar 2022 16:45

Tgt Ion: 84 Resp: 468
Ion Ratio Lower Upper
84 100
49 0.0 112.8 169.2#
51 0.0 32.6 48.8#
86 0.0 47.9 71.9#

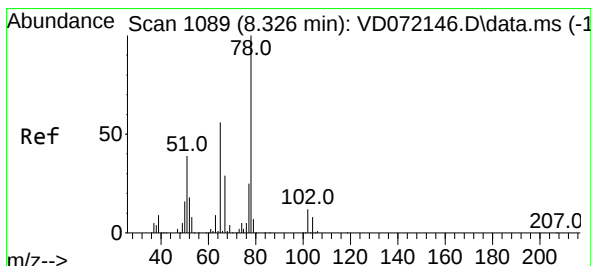
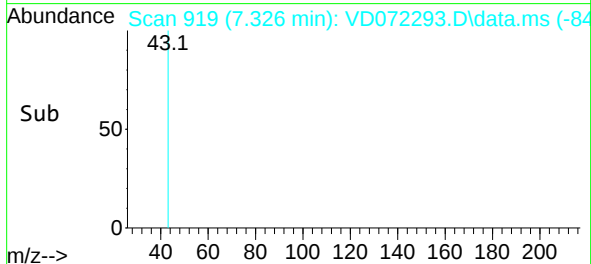
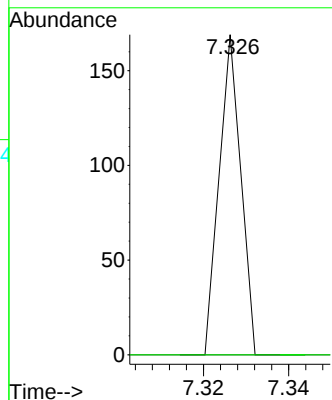
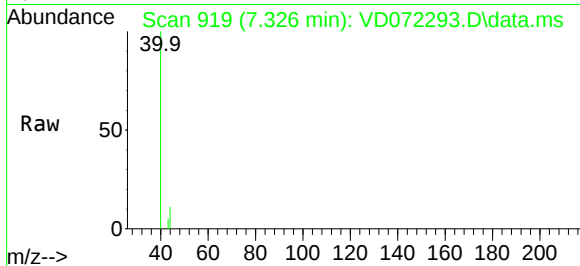




#25
2-Butanone
Concen: 1.392 ug/l
RT: 7.326 min Scan# 91
Delta R.T. 0.124 min
Lab File: VD072293.D
Acq: 18 Mar 2022 16:45

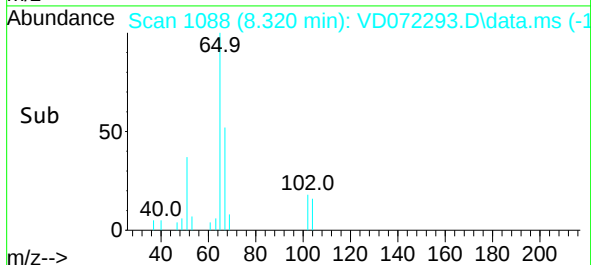
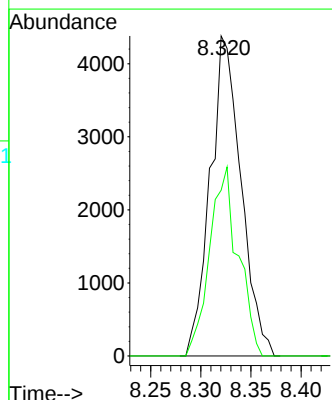
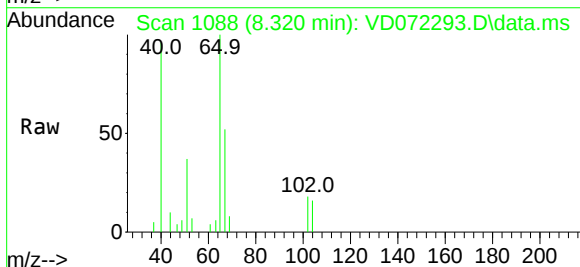
Instrument :
MSVOA_D
ClientSampleId :
SB-02-4.5-5.0RE

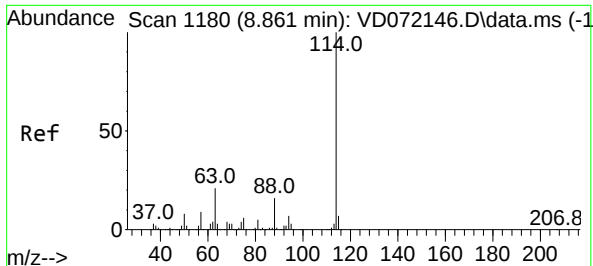
Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#33
1,2-Dichloroethane-d4
Concen: 62.876 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD072293.D
Acq: 18 Mar 2022 16:45

Tgt Ion: 65 Resp: 9363
Ion Ratio Lower Upper
65 100
67 54.7 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: VD072293.D

Acq: 18 Mar 2022 16:45

Instrument :

MSVOA_D

ClientSampleId :

SB-02-4.5-5.0RE

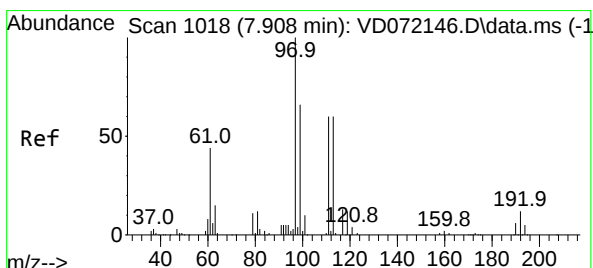
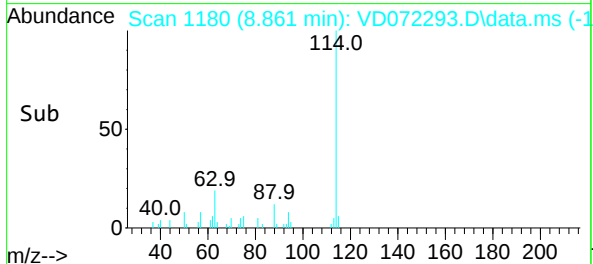
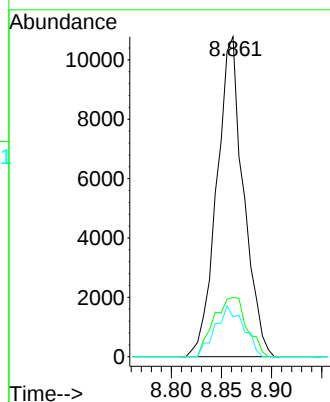
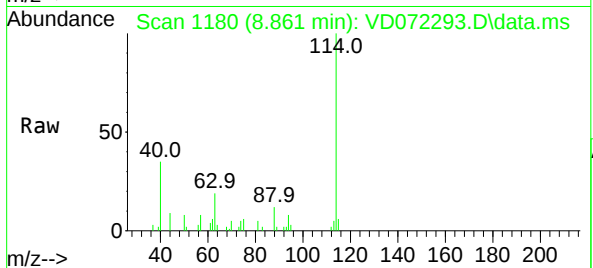
Tgt Ion:114 Resp: 19937

Ion Ratio Lower Upper

114 100

63 18.5 0.0 46.6

88 12.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 66.173 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD072293.D

Acq: 18 Mar 2022 16:45

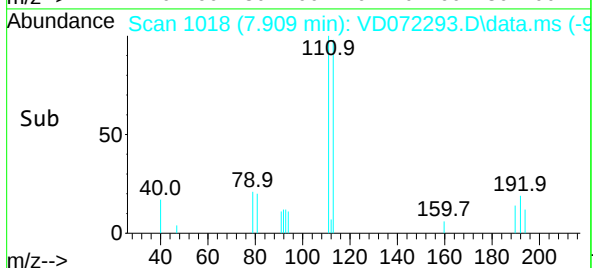
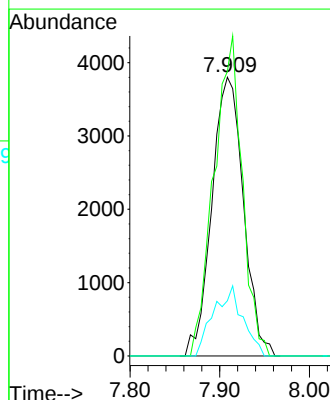
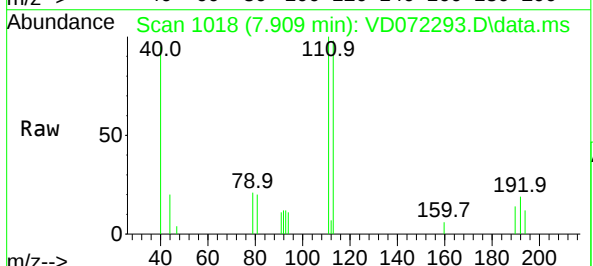
Tgt Ion:113 Resp: 9284

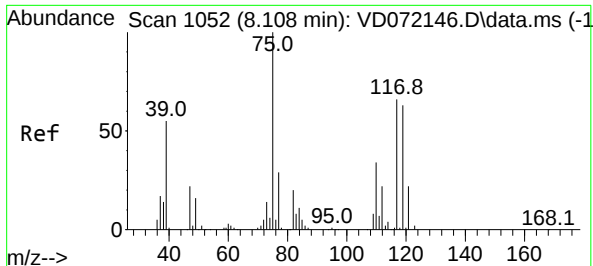
Ion Ratio Lower Upper

113 100

111 103.0 83.8 125.6

192 23.2 14.6 21.8#





#36

1,1-Dichloropropene

Concen: 5.497 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072293.D

Acq: 18 Mar 2022 16:45

Instrument :

MSVOA_D

ClientSampleId :

SB-02-4.5-5.0RE

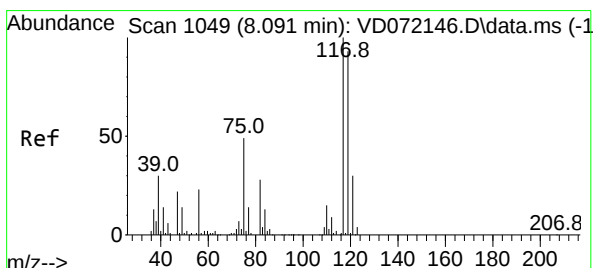
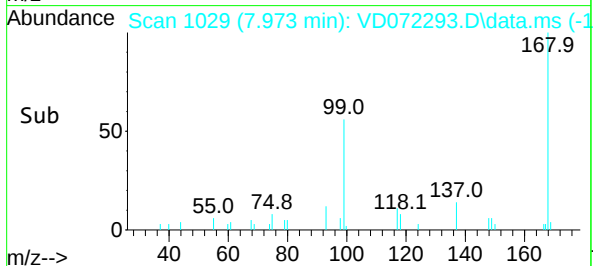
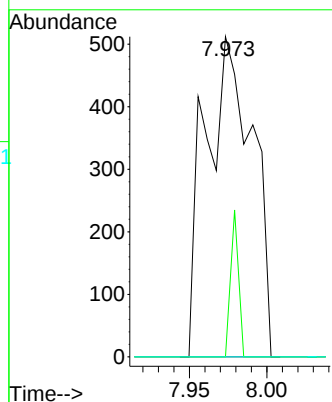
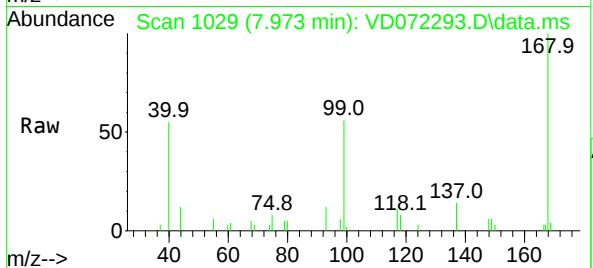
Tgt Ion: 75 Resp: 1082

Ion Ratio Lower Upper

75 100

110 7.7 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.945 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD072293.D

Acq: 18 Mar 2022 16:45

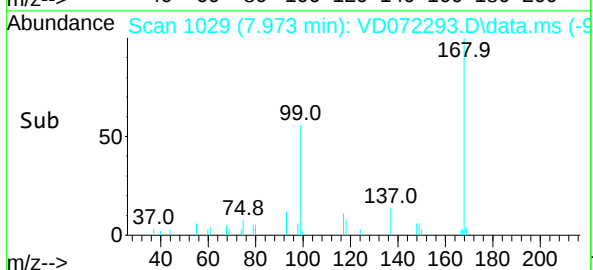
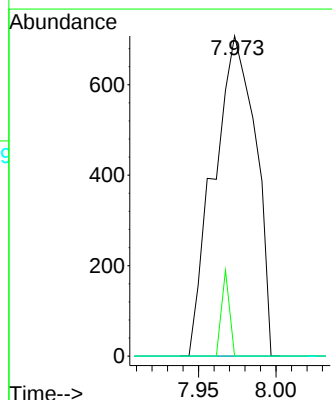
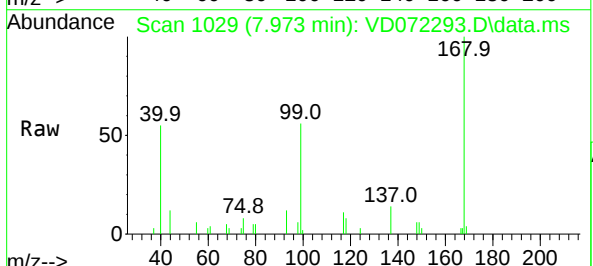
Tgt Ion: 117 Resp: 1330

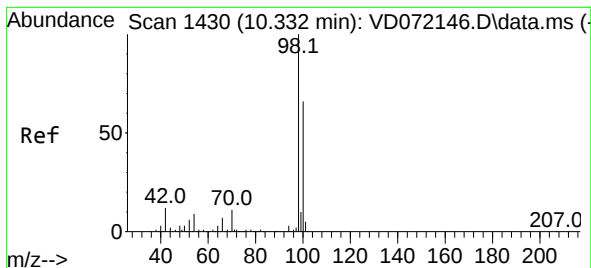
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.5 36.7#

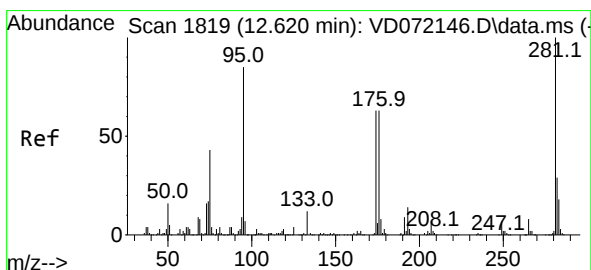
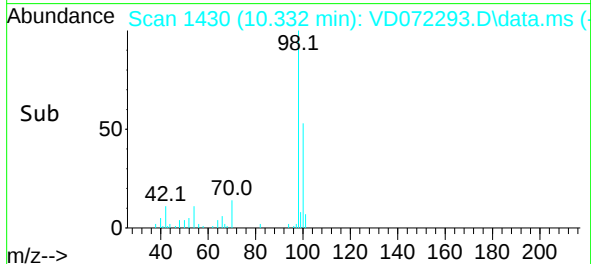
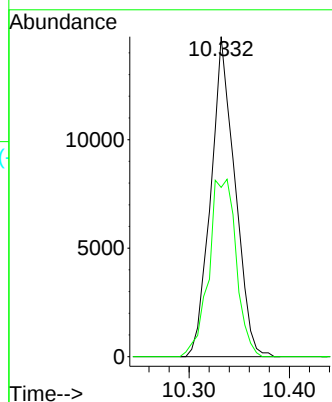
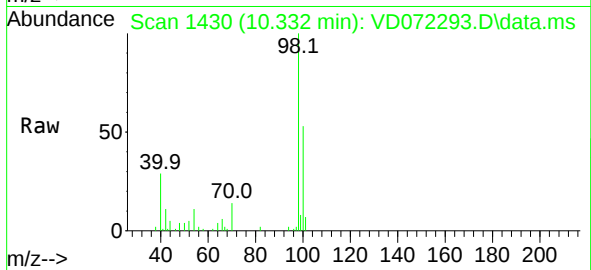




#50
Toluene-d8
Concen: 48.000 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072293.D
Acq: 18 Mar 2022 16:45

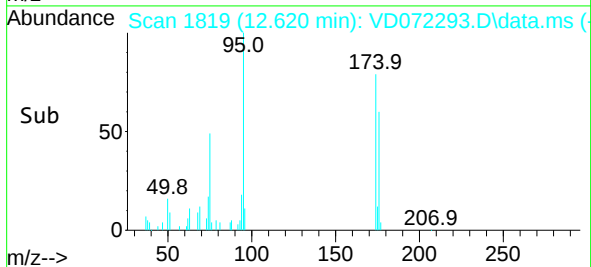
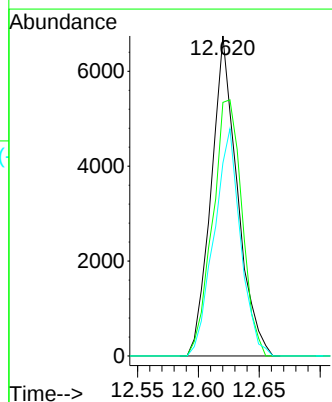
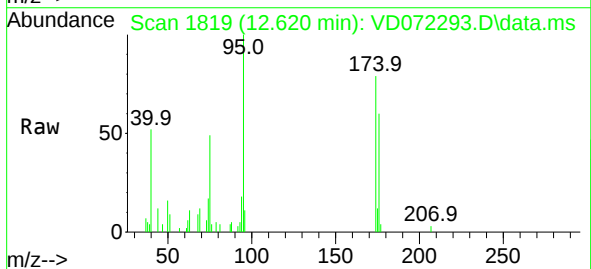
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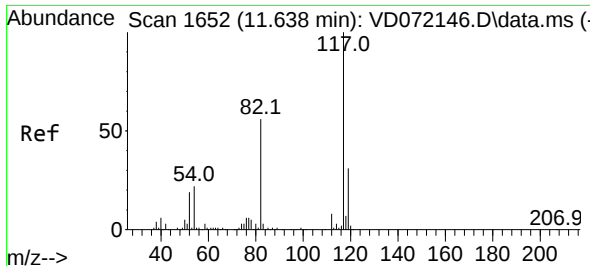
Tgt Ion: 98 Resp: 24624
Ion Ratio Lower Upper
98 100
100 63.1 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 50.620 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072293.D
Acq: 18 Mar 2022 16:45

Tgt Ion: 95 Resp: 10090
Ion Ratio Lower Upper
95 100
174 89.6 0.0 152.8
176 71.9 0.0 145.4

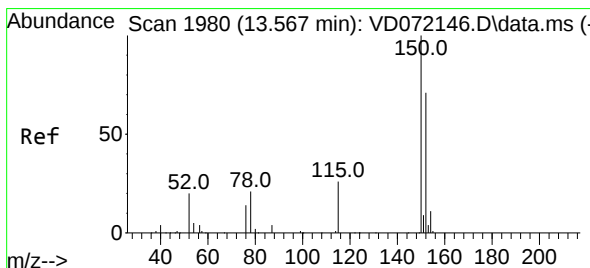
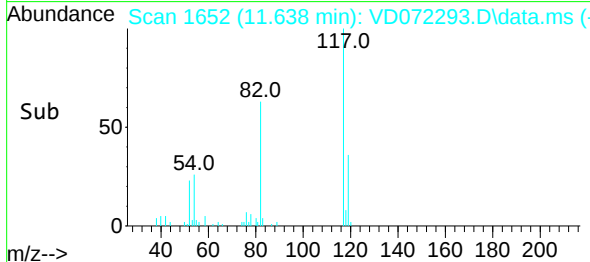
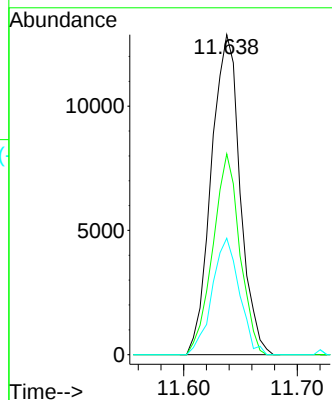
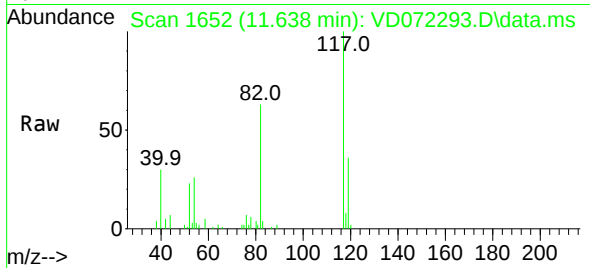




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD072293.D
Acq: 18 Mar 2022 16:45

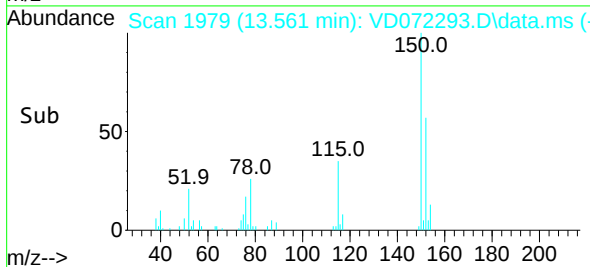
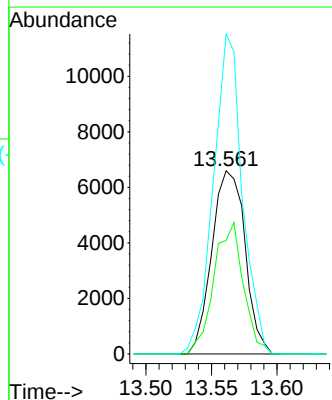
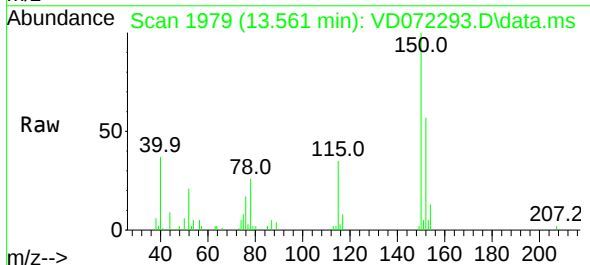
Instrument :
MSVOA_D
ClientSampleId :
SB-02-4.5-5.0RE

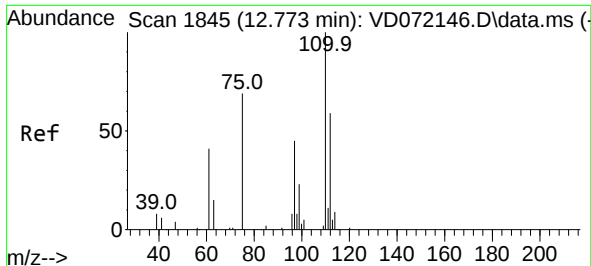
Tgt Ion:117 Resp: 22692
Ion Ratio Lower Upper
117 100
82 62.8 45.3 67.9
119 36.4 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072293.D
Acq: 18 Mar 2022 16:45

Tgt Ion:152 Resp: 11617
Ion Ratio Lower Upper
152 100
115 63.6 31.3 93.8
150 152.5 0.0 348.6

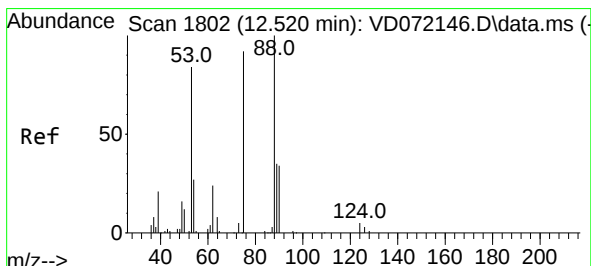
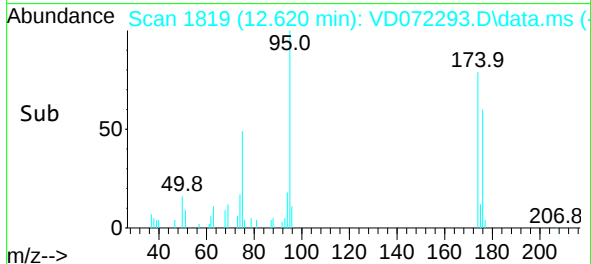
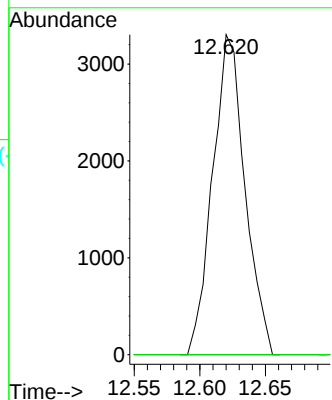
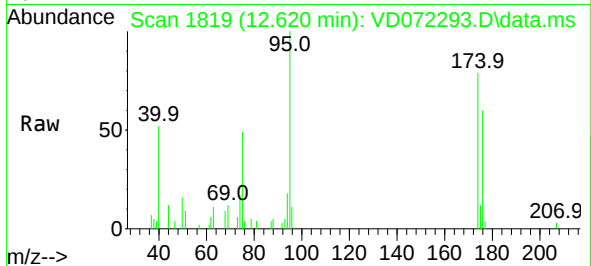




#76
1,2,3-Trichloropropane
Concen: 44.176 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072293.D
Acq: 18 Mar 2022 16:45

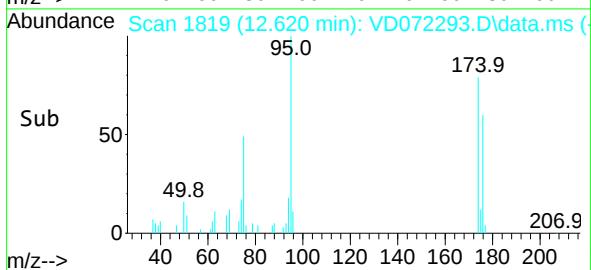
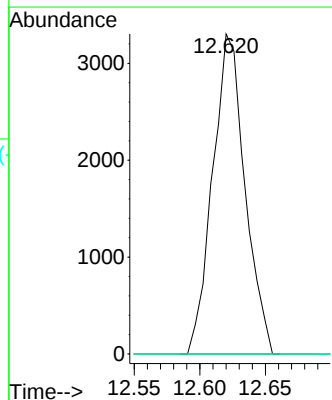
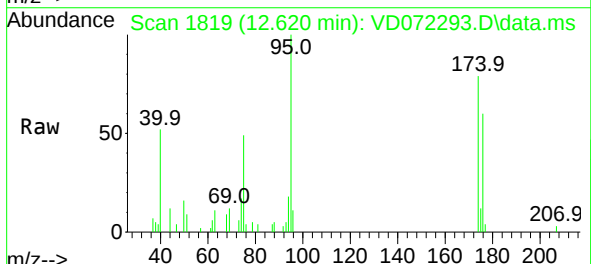
Instrument :
MSVOA_D
ClientSampleId :
SB-02-4.5-5.0RE

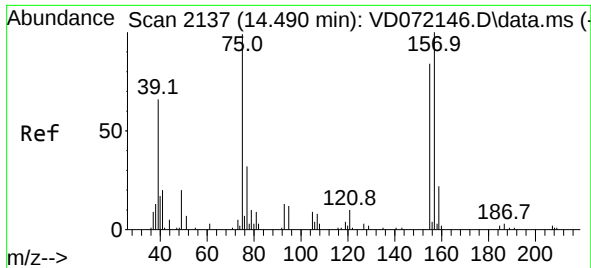
Tgt Ion: 75 Resp: 5661
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 109.606 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072293.D
Acq: 18 Mar 2022 16:45

Tgt Ion: 75 Resp: 5661
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.512 ug/l

RT: 14.285 min Scan# 21

Delta R.T. -0.206 min

Lab File: VD072293.D

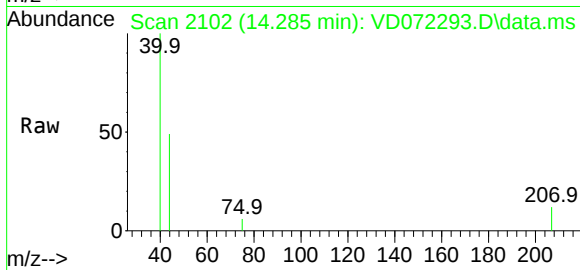
Acq: 18 Mar 2022 16:45

Instrument :

MSVOA_D

ClientSampleId :

SB-02-4.5-5.0RE



Tgt Ion: 75 Resp: 66

Ion Ratio Lower Upper

75 100

155 0.0 36.8 110.3#

157 0.0 48.4 145.0#

