

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022522\
 Data File : VD072100.D
 Acq On : 25 Feb 2022 15:08
 Operator : VA/SY
 Sample : N1655-03
 Misc : 5.45G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 REG-DISP

Quant Time: Feb 26 05:42:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	514372	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	883981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	861207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	426500	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	267816	50.195	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.380%
35) Dibromofluoromethane	7.914	113	279546	52.195	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.400%
50) Toluene-d8	10.338	98	995351	50.115	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.220%
62) 4-Bromofluorobenzene	12.626	95	413175	56.633	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	113.260%

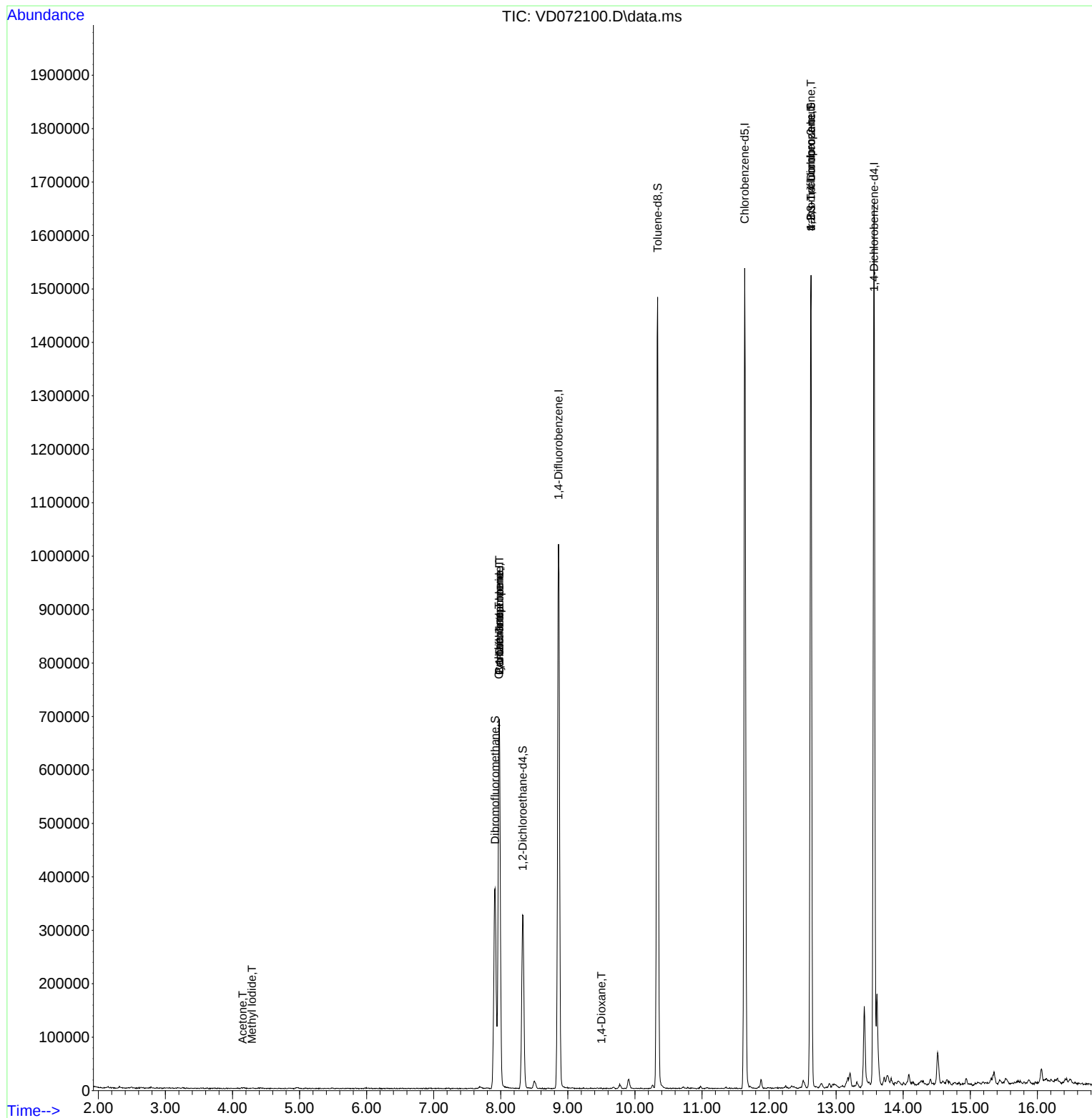
Target Compounds					Qvalue	
5) Bromomethane	2.791	94	1004	Below Cal	#	36
10) Methyl Iodide	4.291	142	336	2.978	ug/l #	68
16) Acetone	4.150	43	1958	1.698	ug/l	90
18) Methyl Acetate	4.620	43	115	Below Cal	#	52
31) Cyclohexane	7.973	56	11803	1.252	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	42002	5.177	ug/l #	49
38) Carbon Tetrachloride	7.979	117	54448	6.548	ug/l #	16
49) 1,4-Dioxane	9.502	88	62	1.622	ug/l #	20
76) 1,2,3-Trichloropropane	12.626	75	215235	53.277	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	215235	133.418	ug/l #	10

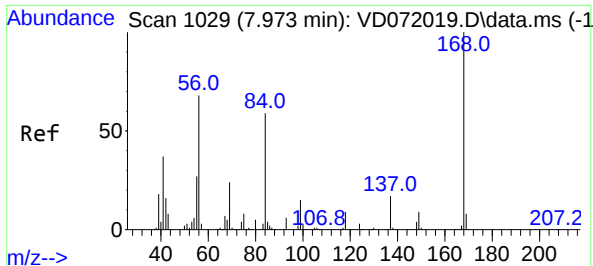
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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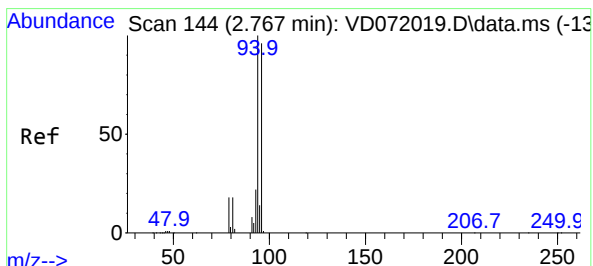
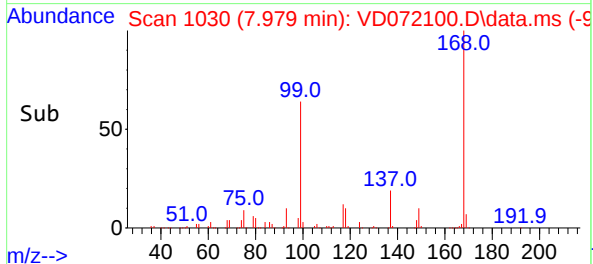
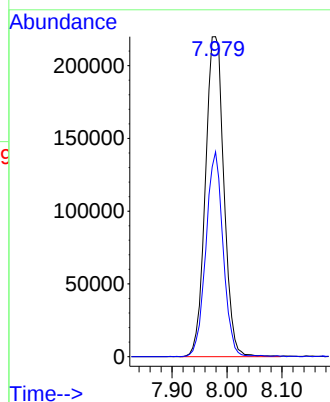
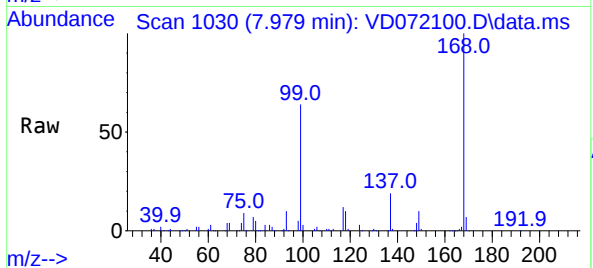




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD072100.D
Acq: 25 Feb 2022 15:08

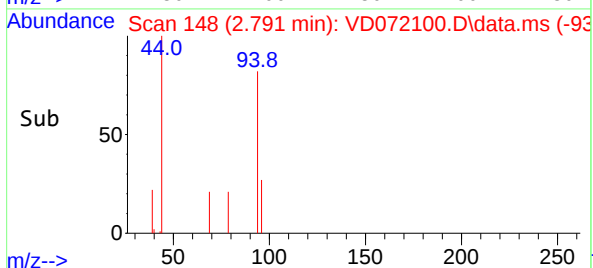
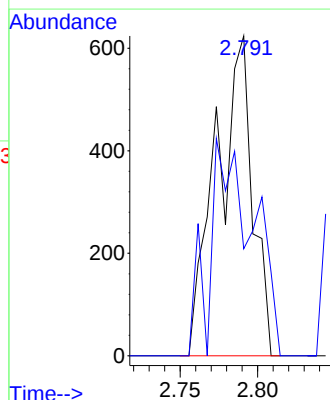
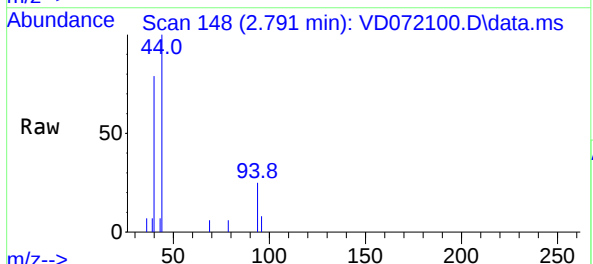
Instrument :
MSVOA_D
ClientSampleId :
REG-DISP

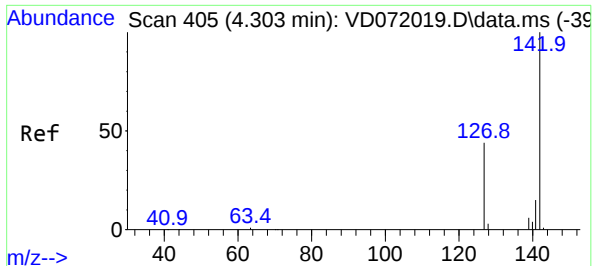
Tgt Ion:168 Resp: 514372
Ion Ratio Lower Upper
168 100
99 64.0 47.1 70.7



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.024 min
Lab File: VD072100.D
Acq: 25 Feb 2022 15:08

Tgt Ion: 94 Resp: 1004
Ion Ratio Lower Upper
94 100
96 33.5 76.8 115.2#



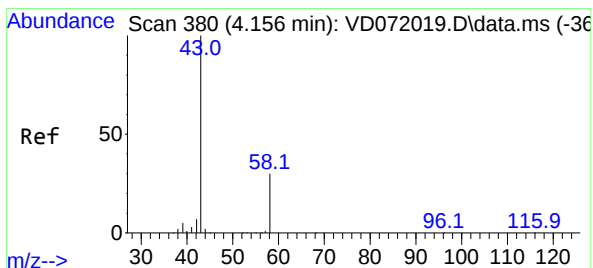
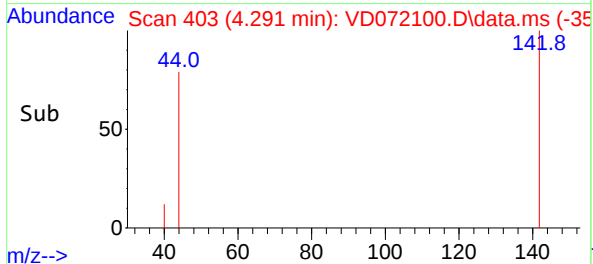
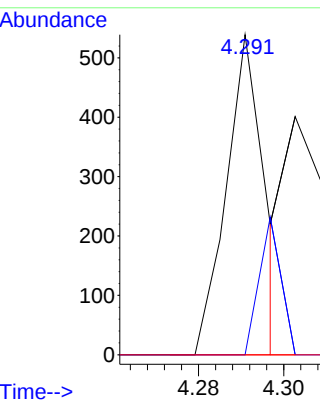
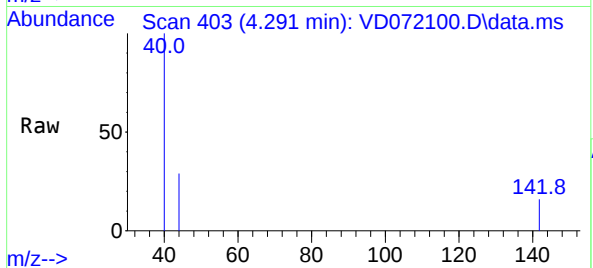


#10
Methyl Iodide
Concen: 2.978 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD072100.D
Acq: 25 Feb 2022 15:08

Instrument :
MSVOA_D
ClientSampleId :
REG-DISP

Tgt Ion:142 Resp: 336

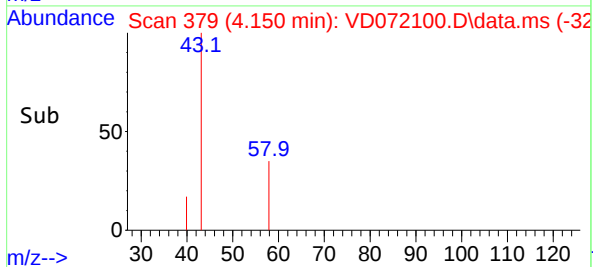
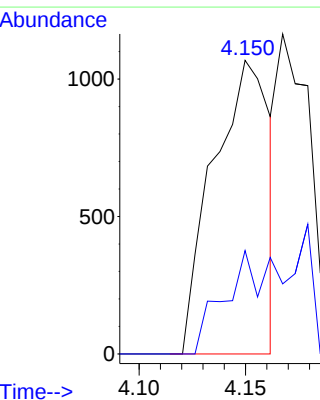
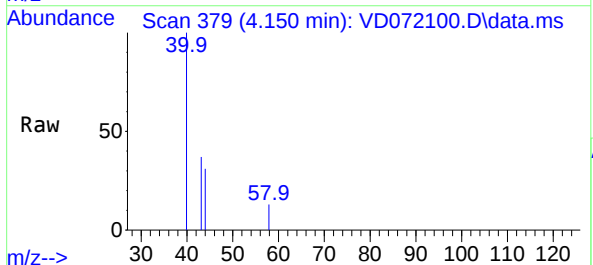
Ion	Ratio	Lower	Upper
142	100		
127	24.4	35.8	53.8#
141	0.0	11.6	17.4#

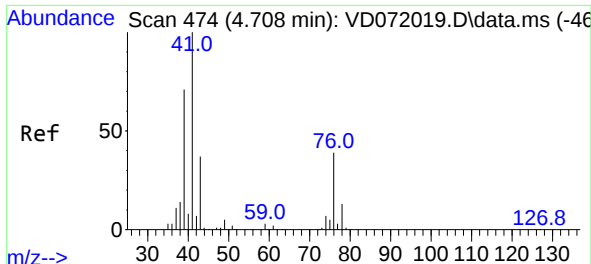


#16
Acetone
Concen: 1.698 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD072100.D
Acq: 25 Feb 2022 15:08

Tgt Ion: 43 Resp: 1958

Ion	Ratio	Lower	Upper
43	100		
58	35.2	23.8	35.6

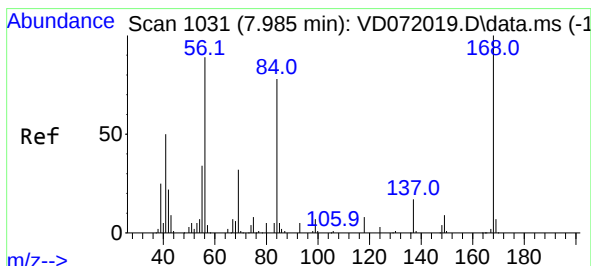
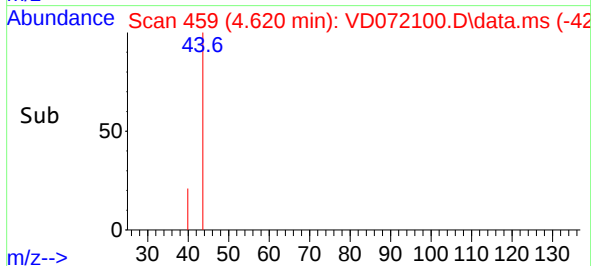
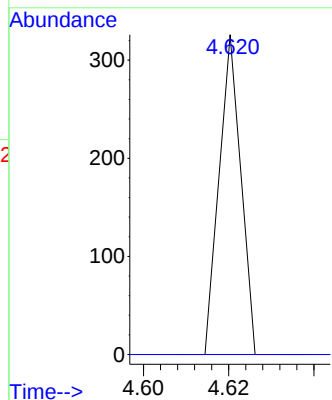
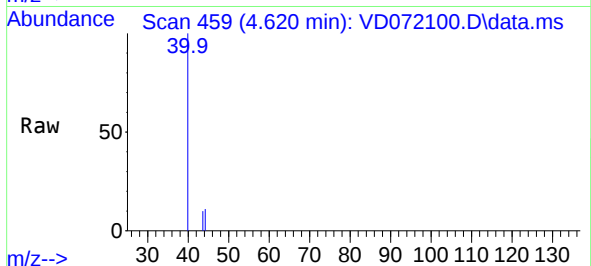




#18
Methyl Acetate
Concen: Below Cal
RT: 4.620 min Scan# 41
Delta R.T. -0.088 min
Lab File: VD072100.D
Acq: 25 Feb 2022 15:08

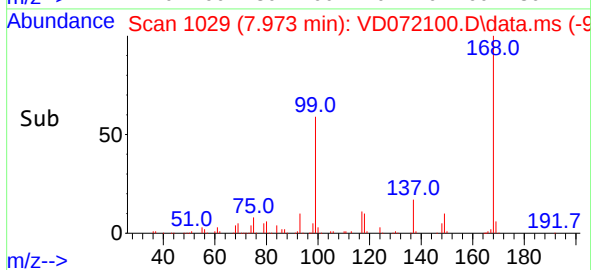
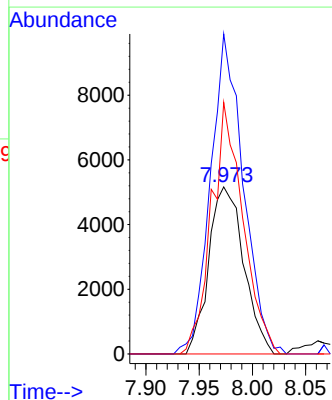
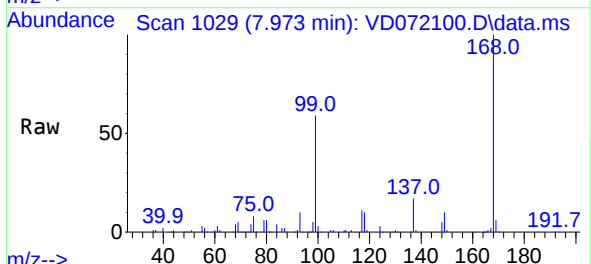
Instrument :
MSVOA_D
ClientSampleId :
REG-DISP

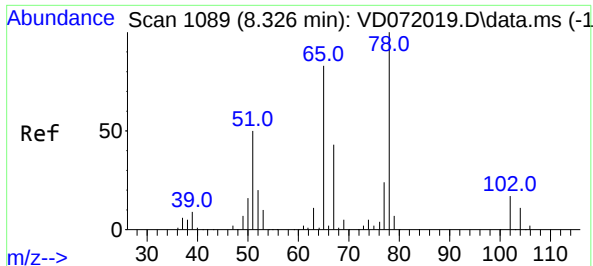
Tgt Ion: 43 Resp: 115
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.252 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072100.D
Acq: 25 Feb 2022 15:08

Tgt Ion: 56 Resp: 11803
Ion Ratio Lower Upper
56 100
69 187.5 28.9 43.3#
84 150.5 70.6 105.8#





#33

1,2-Dichloroethane-d4

Concen: 50.195 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072100.D

Acq: 25 Feb 2022 15:08

Instrument :

MSVOA_D

ClientSampleId :

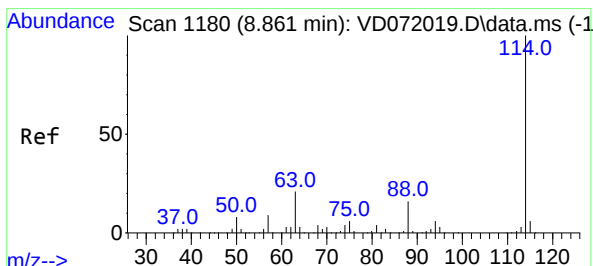
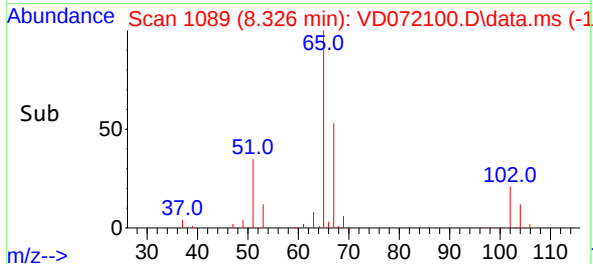
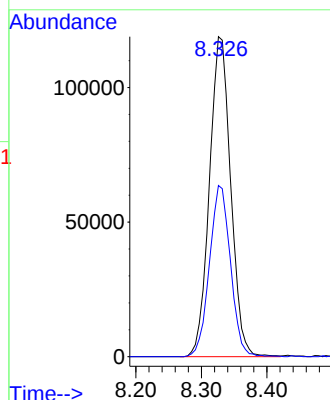
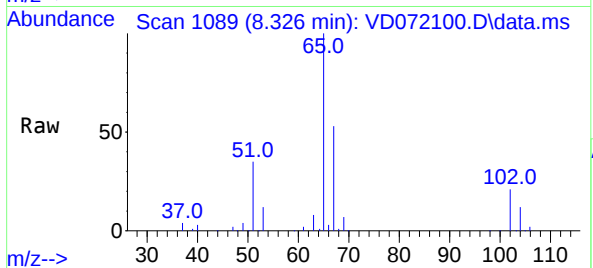
REG-DISP

Tgt Ion: 65 Resp: 267816

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072100.D

Acq: 25 Feb 2022 15:08

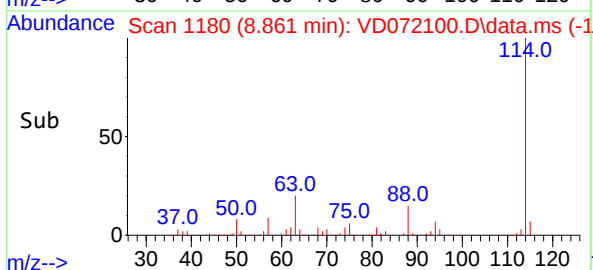
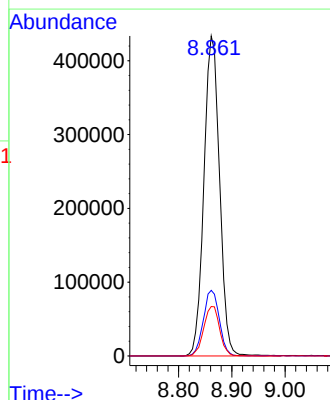
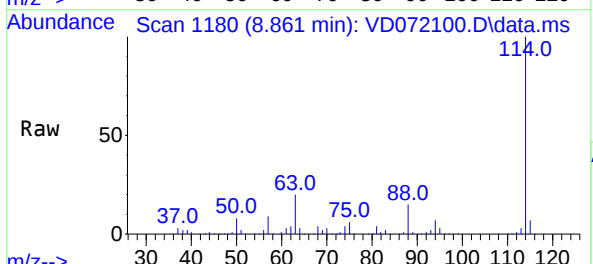
Tgt Ion: 114 Resp: 883981

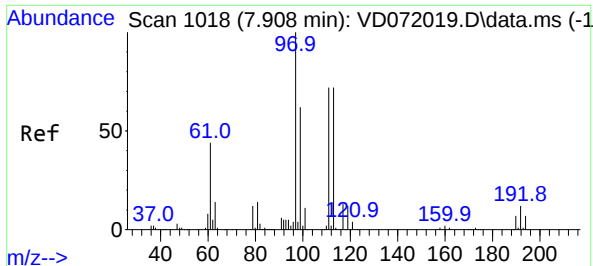
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.2

88 15.5 0.0 31.2

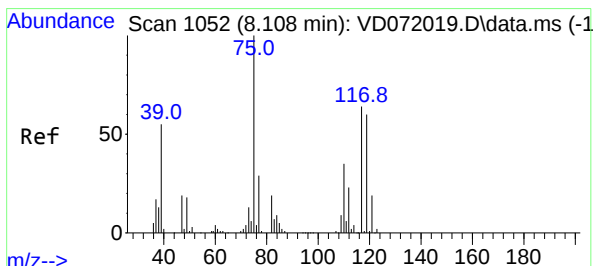
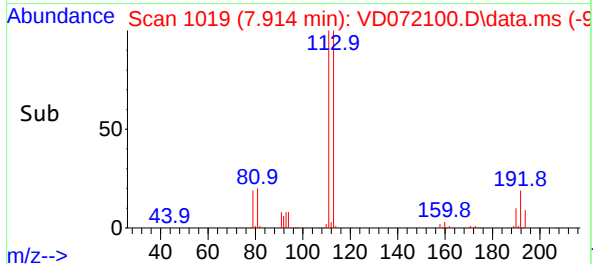
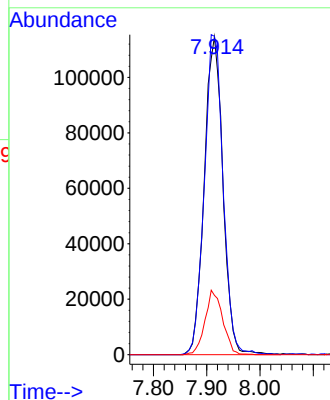
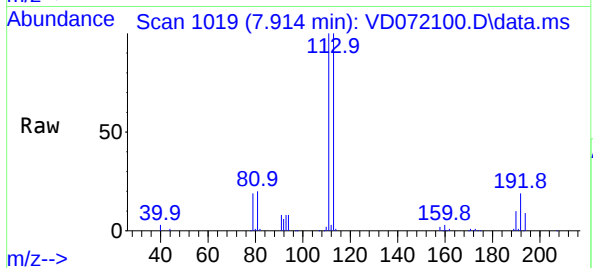




#35
Dibromofluoromethane
Concen: 52.195 ug/l
RT: 7.914 min Scan# 1018
Delta R.T. 0.006 min
Lab File: VD072100.D
Acq: 25 Feb 2022 15:08

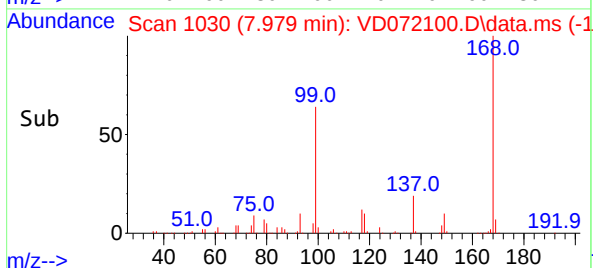
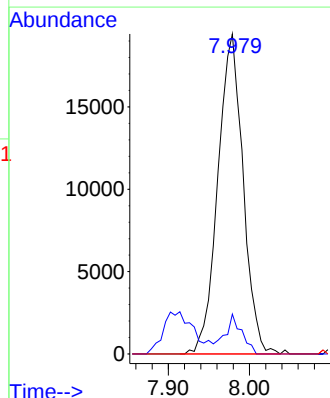
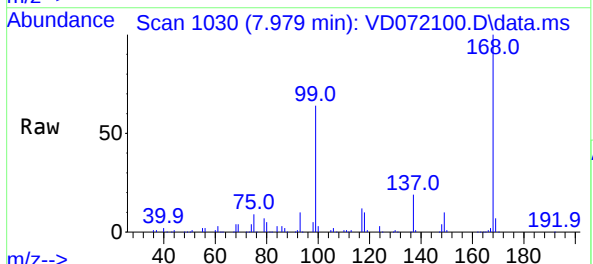
Instrument :
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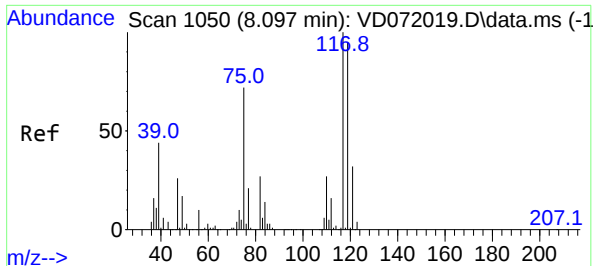
Tgt Ion:113 Resp: 279546
Ion Ratio Lower Upper
113 100
111 101.3 83.0 124.4
192 19.2 15.3 22.9



#36
1,1-Dichloropropene
Concen: 5.177 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD072100.D
Acq: 25 Feb 2022 15:08

Tgt Ion: 75 Resp: 42002
Ion Ratio Lower Upper
75 100
110 8.2 17.7 53.1#
77 0.0 24.8 37.2#

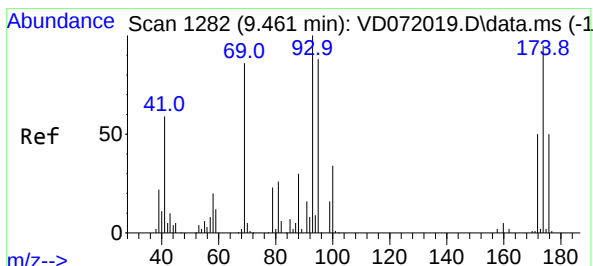
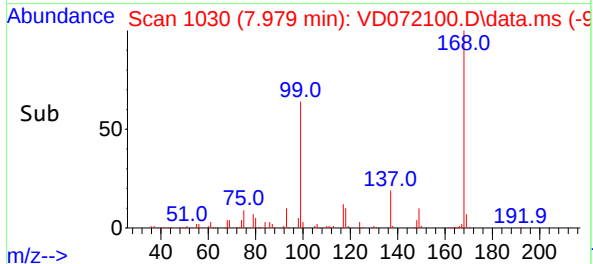
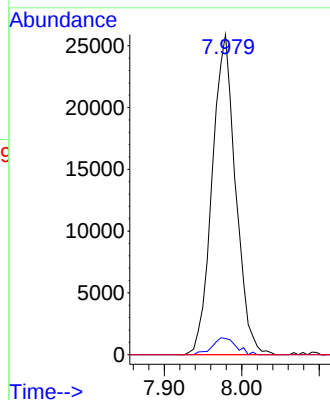
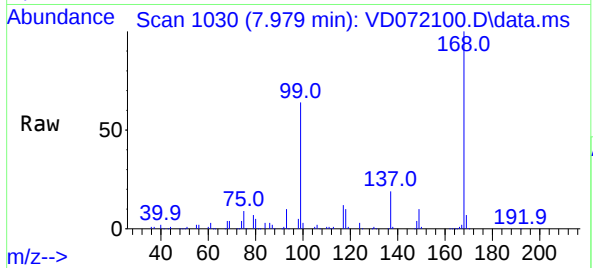




#38
Carbon Tetrachloride
Concen: 6.548 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD072100.D
Acq: 25 Feb 2022 15:08

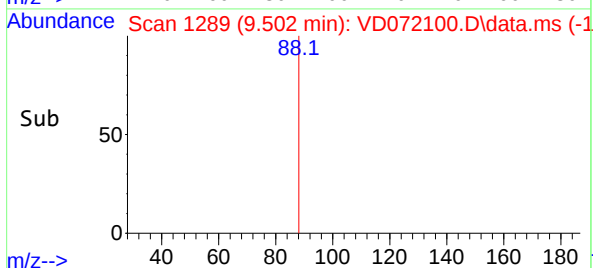
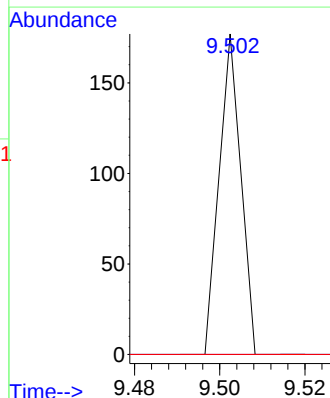
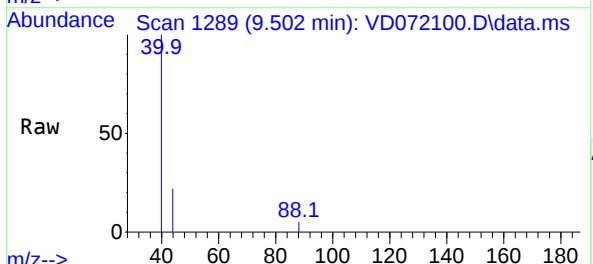
Instrument :
MSVOA_D
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REG-DISP

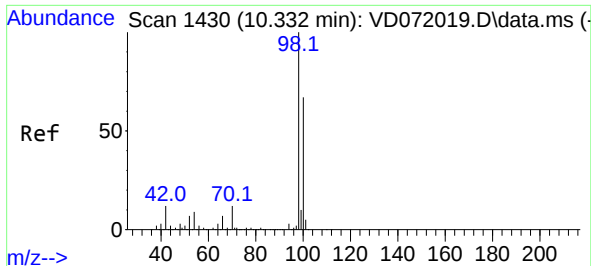
Tgt Ion: 117 Resp: 54448
Ion Ratio Lower Upper
117 100
119 5.1 75.8 113.8#
121 0.0 25.8 38.6#



#49
1,4-Dioxane
Concen: 1.622 ug/l
RT: 9.502 min Scan# 1289
Delta R.T. 0.041 min
Lab File: VD072100.D
Acq: 25 Feb 2022 15:08

Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 29.9 44.9#
58 0.0 61.0 91.4#

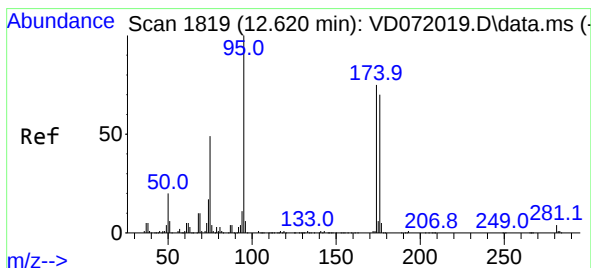
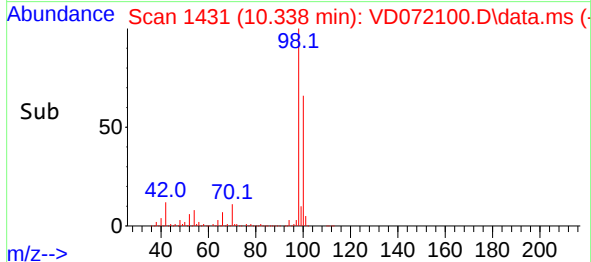
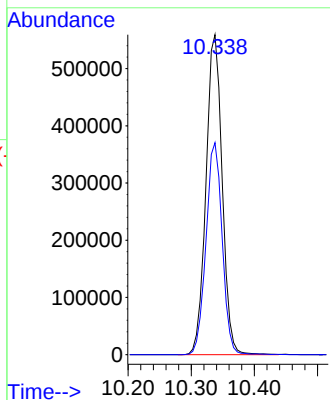
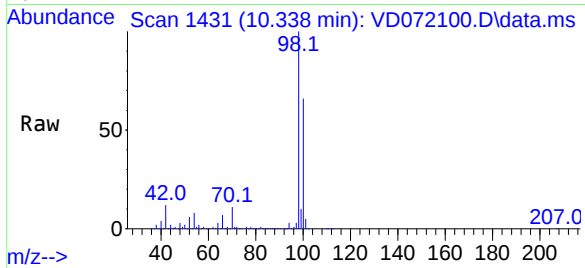




#50
Toluene-d8
Concen: 50.115 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD072100.D
Acq: 25 Feb 2022 15:08

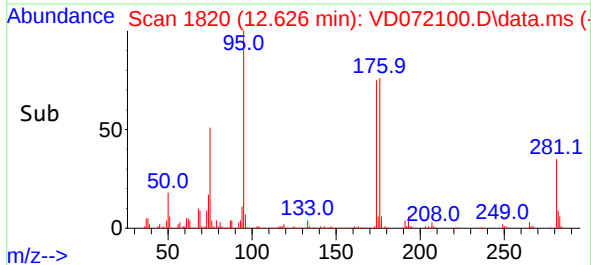
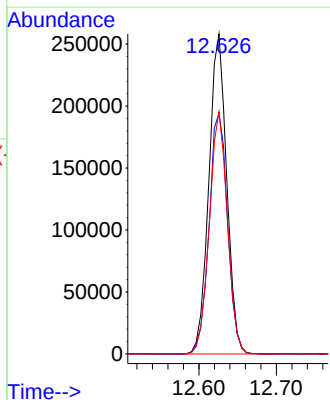
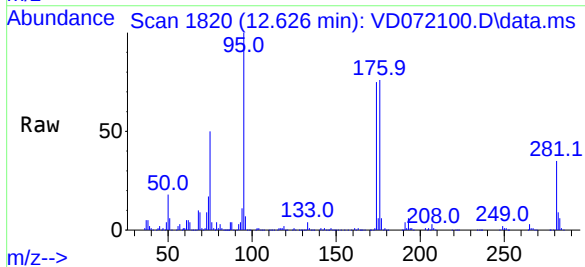
Instrument :
MSVOA_D
ClientSampleId :
REG-DISP

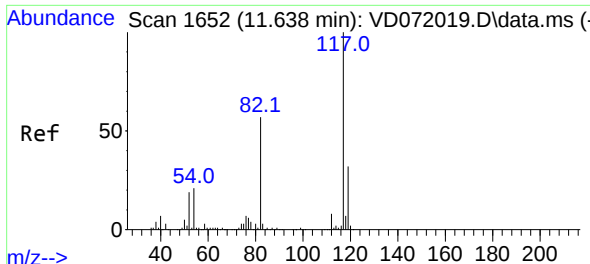
Tgt Ion: 98 Resp: 995351
Ion Ratio Lower Upper
98 100
100 66.2 53.8 80.6



#62
4-Bromofluorobenzene
Concen: 56.633 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072100.D
Acq: 25 Feb 2022 15:08

Tgt Ion: 95 Resp: 413175
Ion Ratio Lower Upper
95 100
174 78.0 0.0 155.0
176 76.3 0.0 148.8

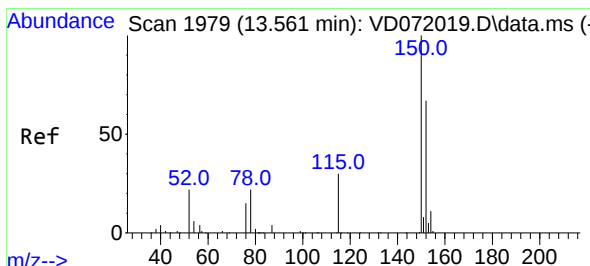
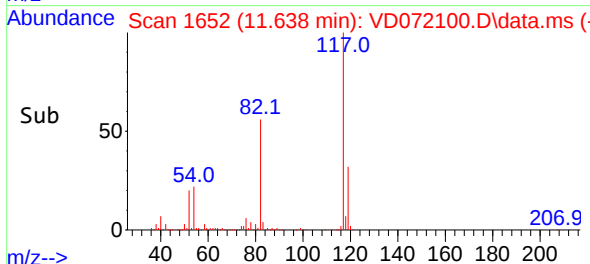
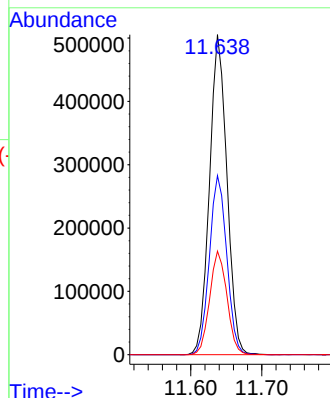
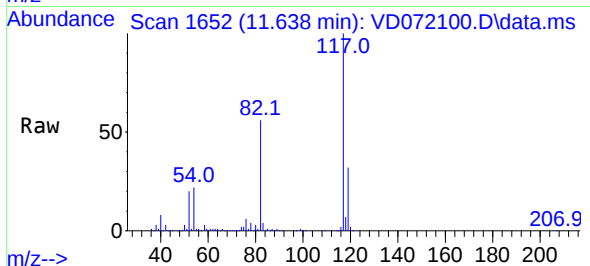




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VD072100.D
Acq: 25 Feb 2022 15:08

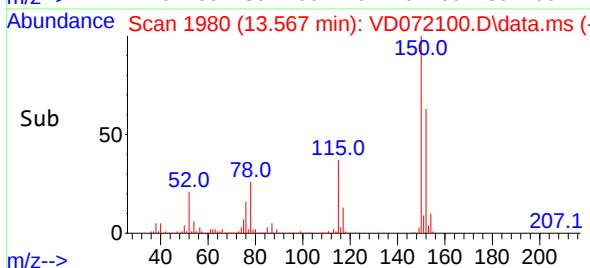
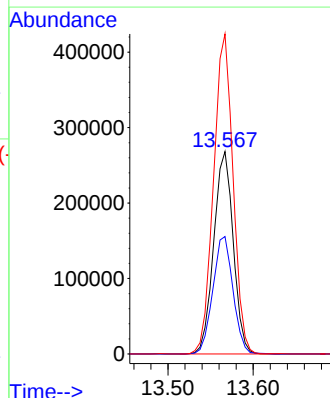
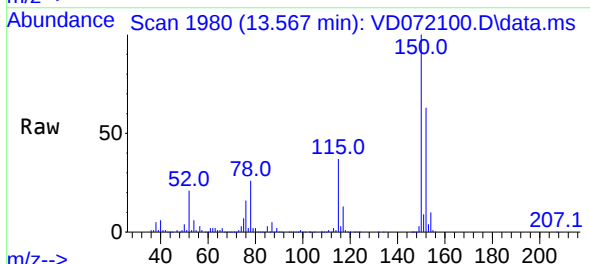
Instrument :
MSVOA_D
ClientSampleId :
REG-DISP

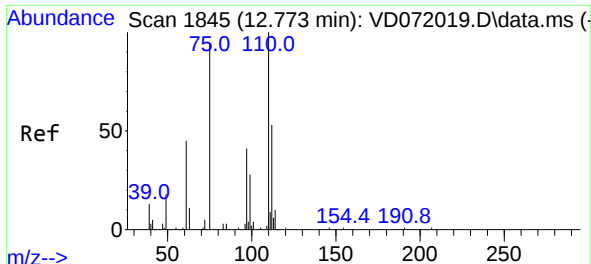
Tgt Ion:117 Resp: 861207
Ion Ratio Lower Upper
117 100
82 55.9 45.4 68.0
119 32.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD072100.D
Acq: 25 Feb 2022 15:08

Tgt Ion:152 Resp: 426500
Ion Ratio Lower Upper
152 100
115 60.0 29.9 89.7
150 157.9 0.0 347.6

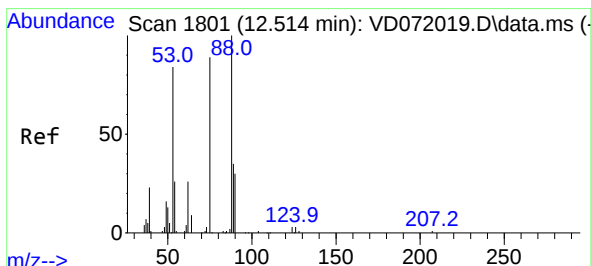
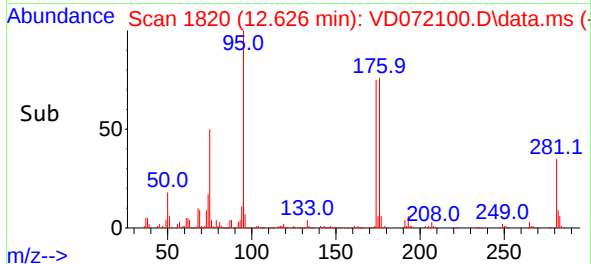
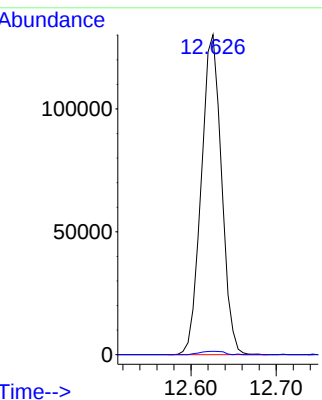
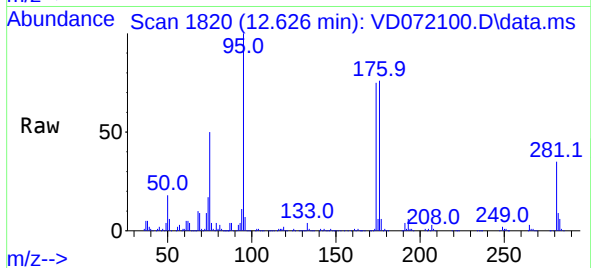




#76
1,2,3-Trichloropropane
Concen: 53.277 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072100.D
Acq: 25 Feb 2022 15:08

Instrument :
MSVOA_D
ClientSampleId :
REG-DISP

Tgt Ion: 75 Resp: 215235
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.418 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.112 min
Lab File: VD072100.D
Acq: 25 Feb 2022 15:08

Tgt Ion: 75 Resp: 215235
Ion Ratio Lower Upper
75 100
53 0.0 80.2 120.4#
89 0.5 36.4 54.6#

