

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052422\
 Data File : VD073330.D
 Acq On : 24 May 2022 17:46
 Operator : VA/SY
 Sample : N2949-17
 Misc : 4.91G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P044-SS001-1824-01

Quant Time: May 25 05:28:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

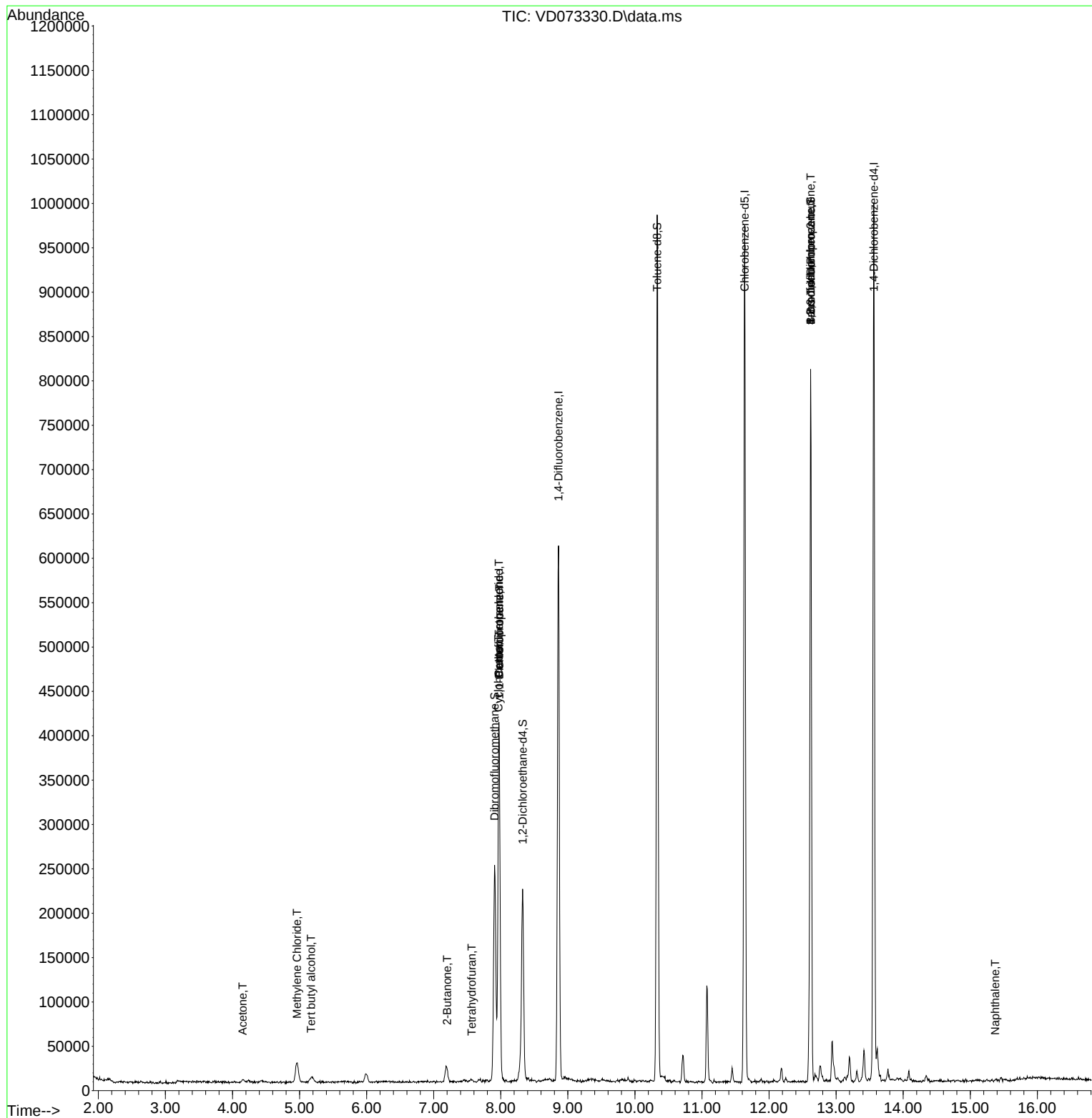
Internal Standards						
1) Pentafluorobenzene	7.973	168	288407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	518672	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	554304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	262397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	164952	51.753	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.500%			
35) Dibromofluoromethane	7.908	113	177685	51.916	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.840%			
50) Toluene-d8	10.332	98	639193	50.664	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.320%			
62) 4-Bromofluorobenzene	12.620	95	252282	56.979	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 113.960%			
Target Compounds						
5) Bromomethane	2.773	94	657	Below Cal	Qvalue 83	
11) Tert butyl alcohol	5.173	59	3222	6.516 ug/l #		74
16) Acetone	4.150	43	5329	9.653 ug/l #		89
20) Methylene Chloride	4.961	84	18123	1.285 ug/l #		82
25) 2-Butanone	7.202	43	819	1.014 ug/l #		52
29) Tetrahydrofuran	7.567	42	555	1.063 ug/l #		73
31) Cyclohexane	7.967	56	6789	1.219 ug/l #		24
36) 1,1-Dichloropropene	7.979	75	24834	4.825 ug/l #		50
38) Carbon Tetrachloride	7.973	117	30528	5.851 ug/l #		19
71) Bromoform	12.620	173	2213	1.020 ug/l #		1
76) 1,2,3-Trichloropropane	12.620	75	126114	48.985 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	126114	117.597 ug/l #		7
95) Naphthalene	15.373	128	664	3.613 ug/l #		82

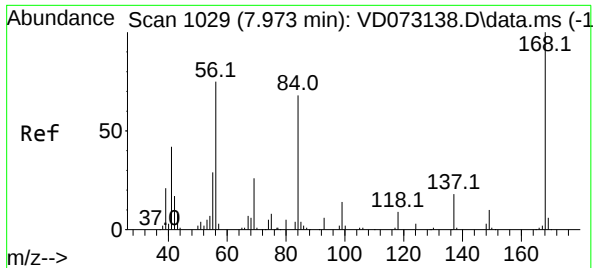
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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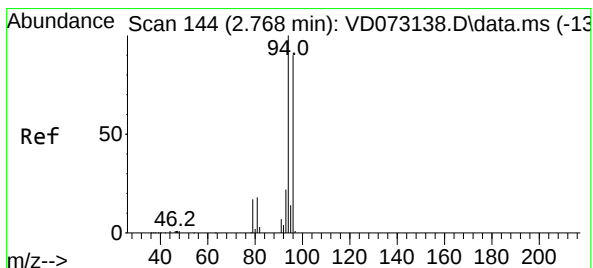
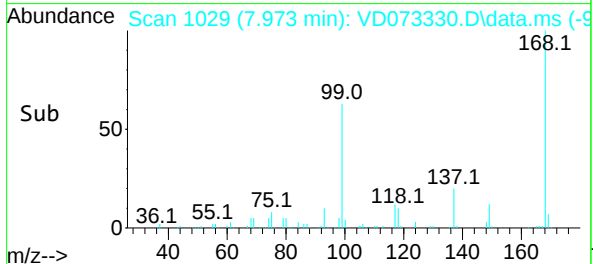
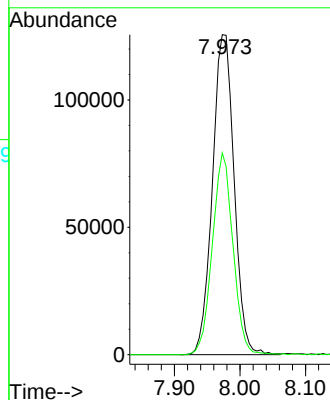
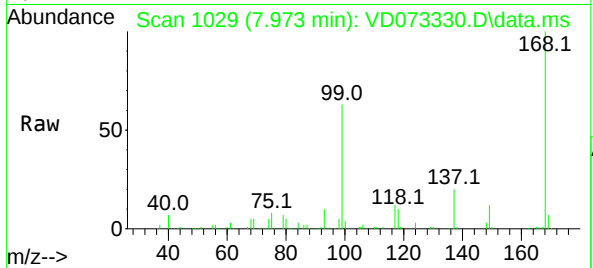




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073330.D
Acq: 24 May 2022 17:46

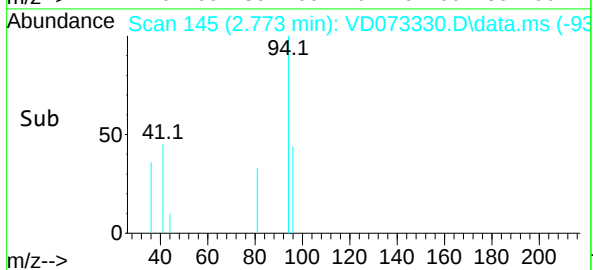
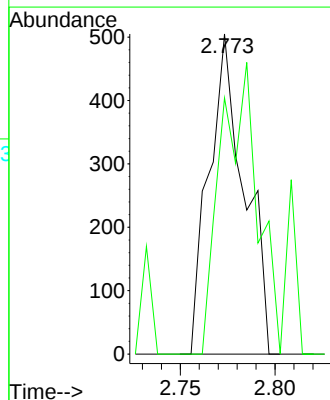
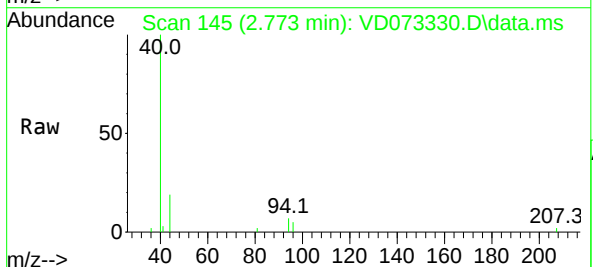
Instrument :
MSVOA_D
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P044-SS001-1824-01

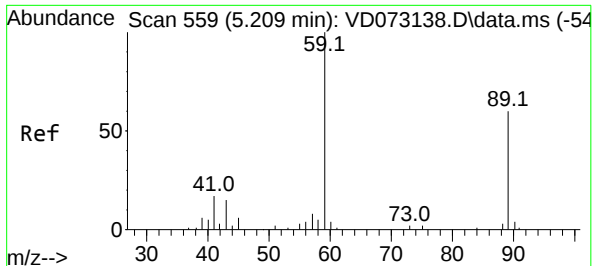
Tgt Ion:168 Resp: 288407
Ion Ratio Lower Upper
168 100
99 63.1 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073330.D
Acq: 24 May 2022 17:46

Tgt Ion: 94 Resp: 657
Ion Ratio Lower Upper
94 100
96 80.0 77.6 116.4





#11

Tert butyl alcohol

Concen: 6.516 ug/l

RT: 5.173 min Scan# 51

Delta R.T. -0.036 min

Lab File: VD073330.D

Acq: 24 May 2022 17:46

Instrument :

MSVOA_D

ClientSampleId :

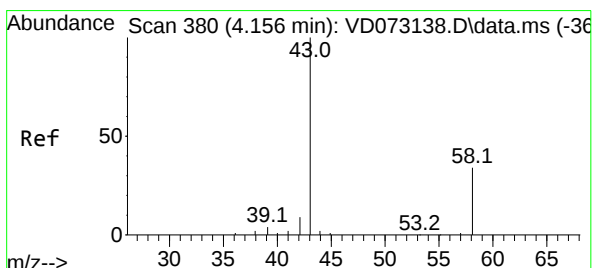
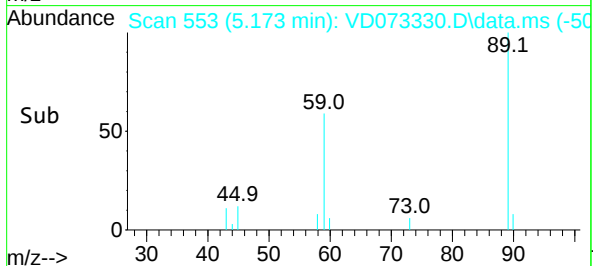
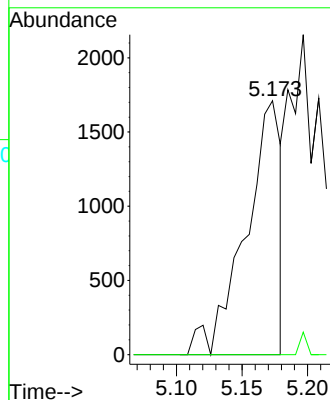
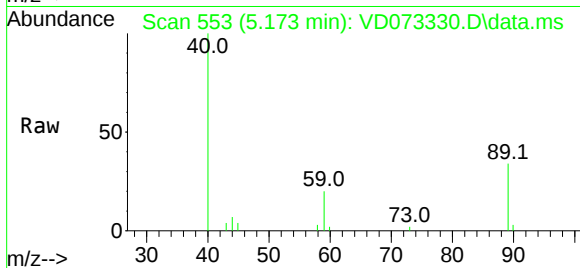
P044-SS001-1824-01

Tgt Ion: 59 Resp: 3222

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 9.653 ug/l

RT: 4.150 min Scan# 379

Delta R.T. -0.006 min

Lab File: VD073330.D

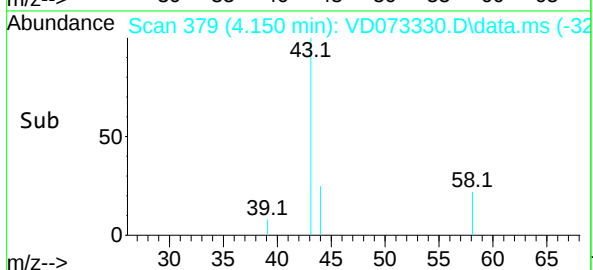
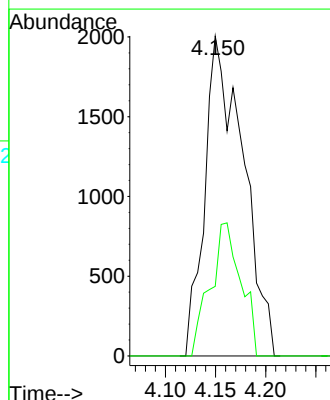
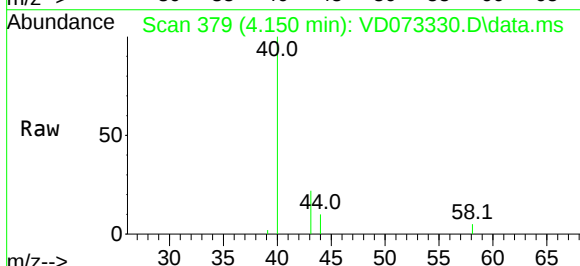
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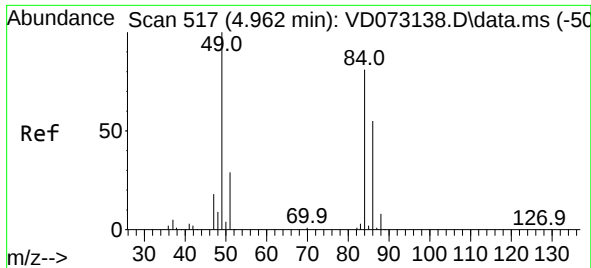
Tgt Ion: 43 Resp: 5329

Ion Ratio Lower Upper

43 100

58 21.7 22.1 33.1#

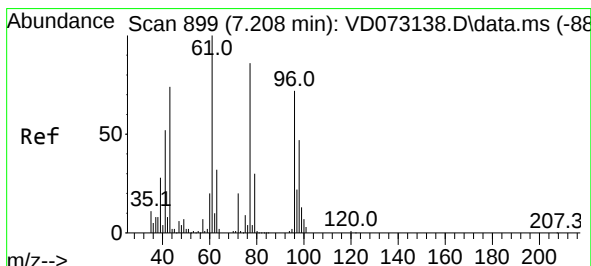
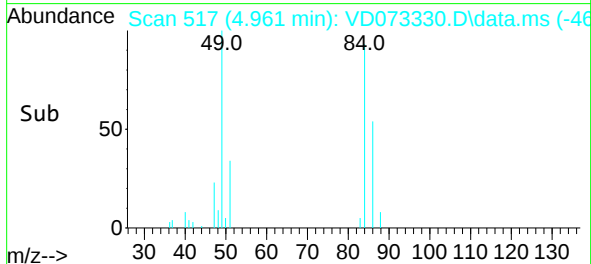
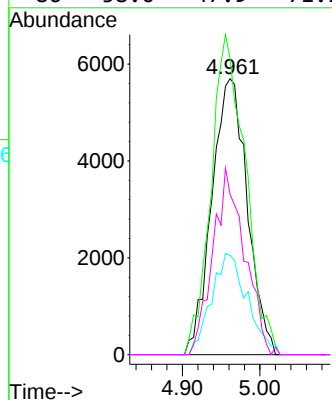
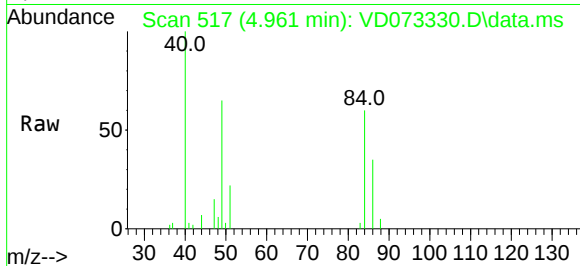




#20
Methylene Chloride
Concen: 1.285 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD073330.D
Acq: 24 May 2022 17:46

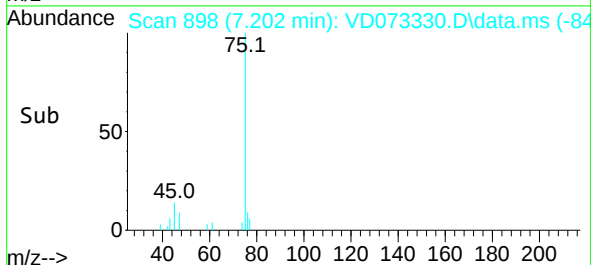
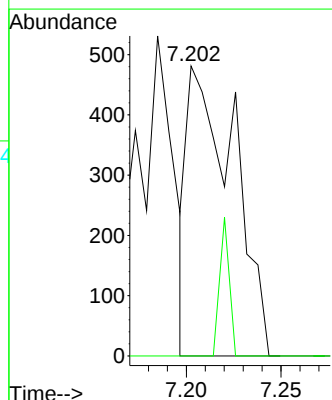
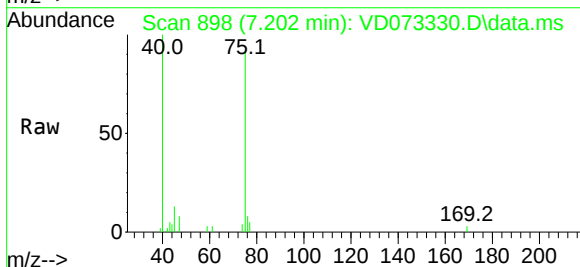
Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-1824-01

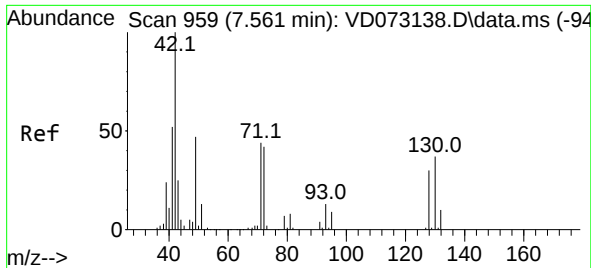
Tgt Ion:	84	Resp:	18123
Ion	Ratio	Lower	Upper
84	100		
49	107.2	112.8	169.2#
51	36.0	32.6	48.8
86	58.0	47.9	71.9



#25
2-Butanone
Concen: 1.014 ug/l
RT: 7.202 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD073330.D
Acq: 24 May 2022 17:46

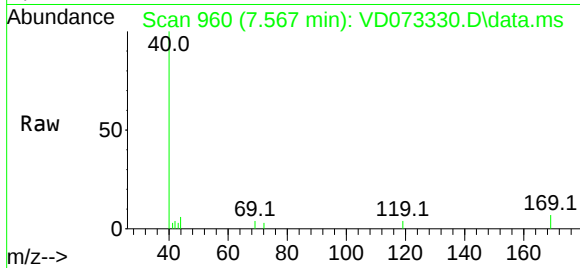
Tgt Ion:	43	Resp:	819
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#



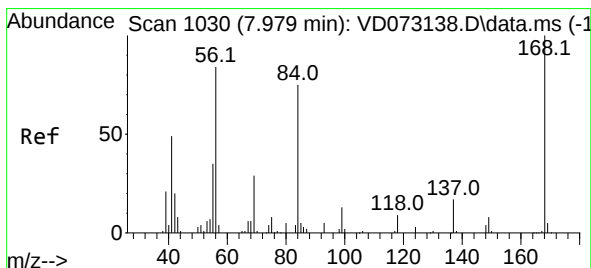
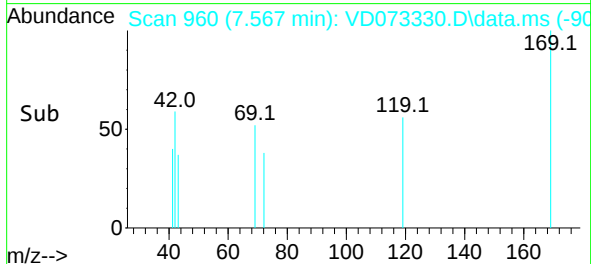
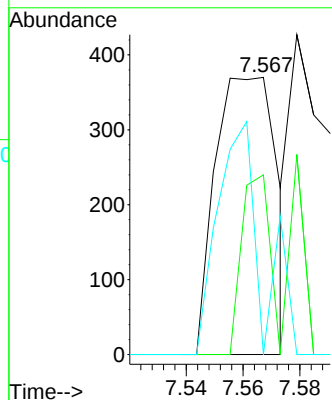


#29
Tetrahydrofuran
Concen: 1.063 ug/l
RT: 7.567 min Scan# 90
Delta R.T. 0.006 min
Lab File: VD073330.D
Acq: 24 May 2022 17:46

Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-1824-01

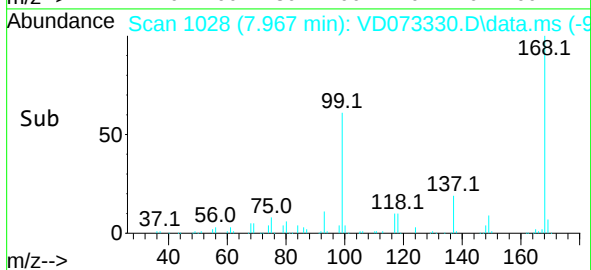
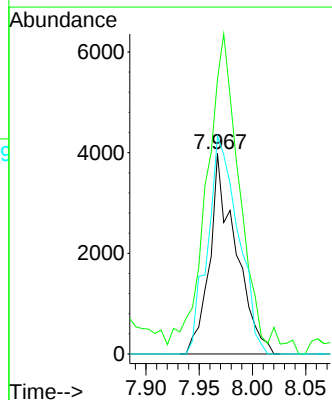
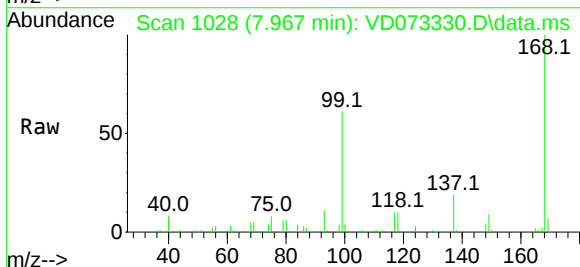


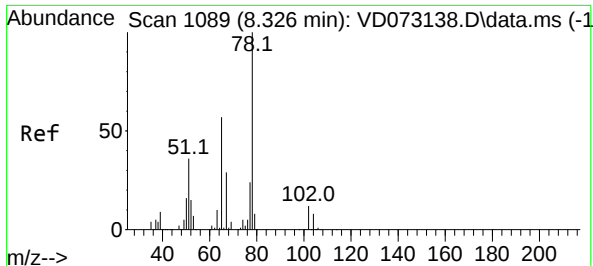
Tgt Ion: 42 Resp: 555
Ion Ratio Lower Upper
42 100
72 46.7 30.7 46.1#
71 59.6 28.6 43.0#



#31
Cyclohexane
Concen: 1.219 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073330.D
Acq: 24 May 2022 17:46

Tgt Ion: 56 Resp: 6789
Ion Ratio Lower Upper
56 100
69 132.1 25.4 38.2#
84 108.7 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 51.753 ug/l

RT: 8.326 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD073330.D

Acq: 24 May 2022 17:46

Instrument :

MSVOA_D

ClientSampleId :

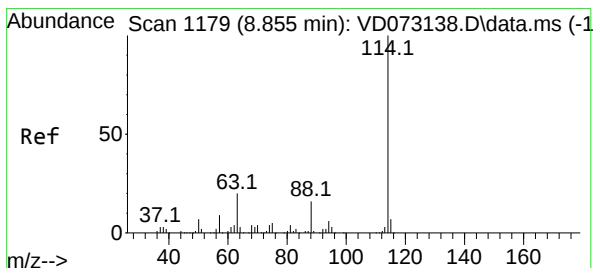
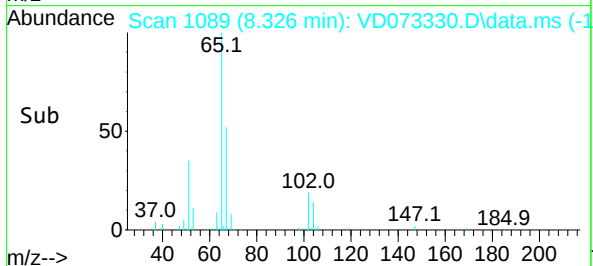
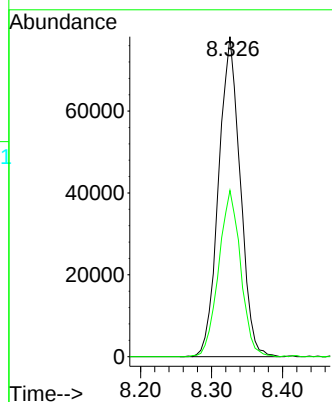
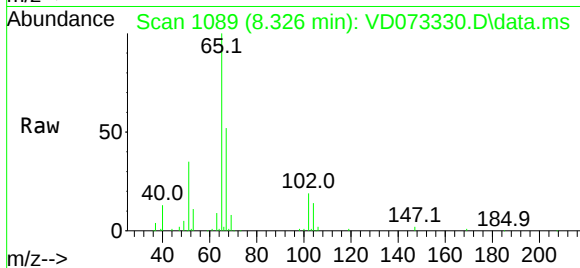
P044-SS001-1824-01

Tgt Ion: 65 Resp: 164952

Ion Ratio Lower Upper

65 100

67 52.8 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073330.D

Acq: 24 May 2022 17:46

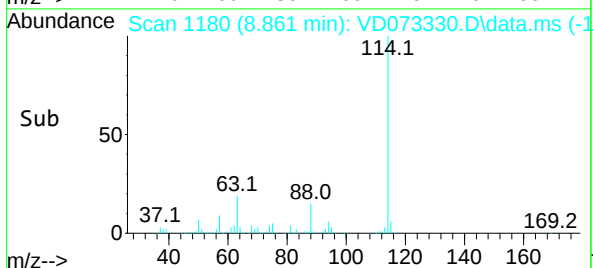
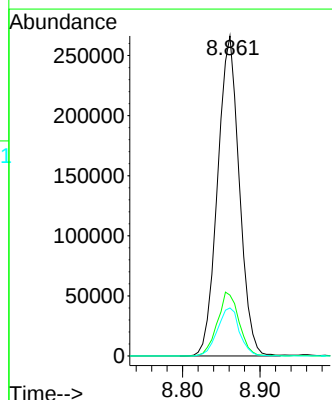
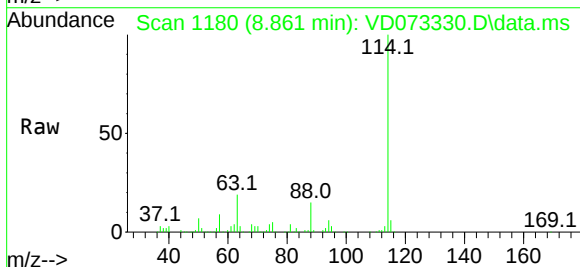
Tgt Ion: 114 Resp: 518672

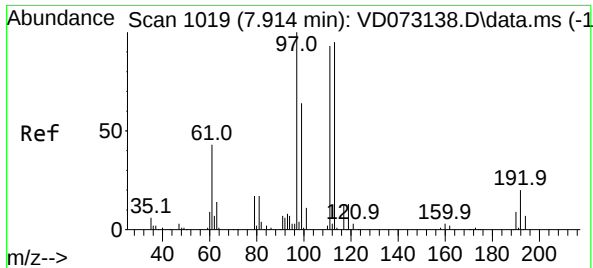
Ion Ratio Lower Upper

114 100

63 19.0 0.0 46.6

88 15.0 0.0 33.2

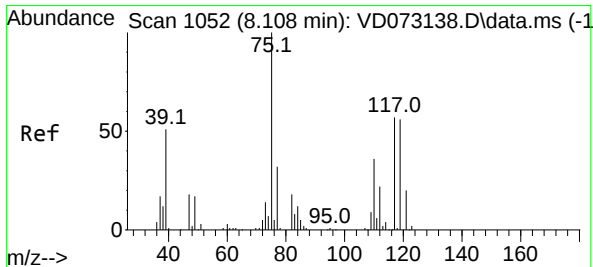
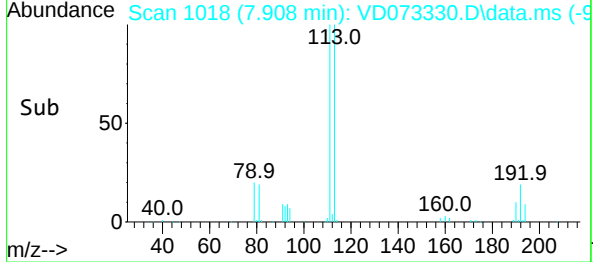
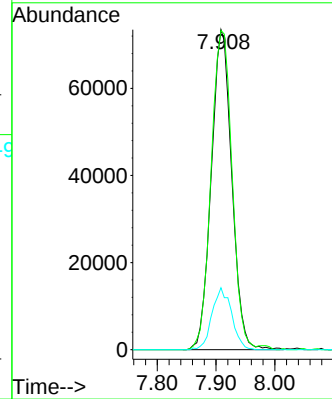
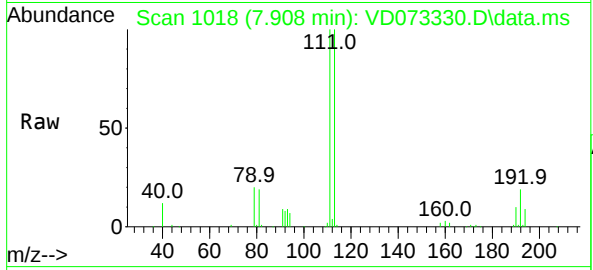




#35
Dibromofluoromethane
Concen: 51.916 ug/l
RT: 7.908 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD073330.D
Acq: 24 May 2022 17:46

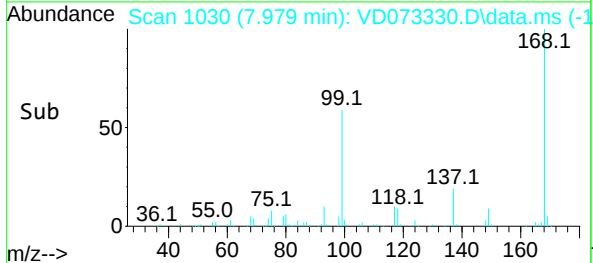
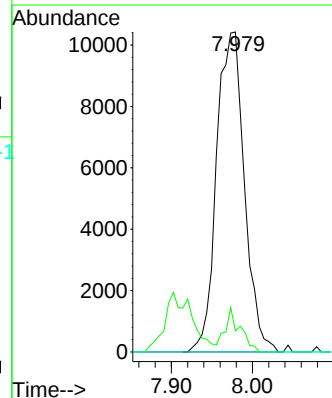
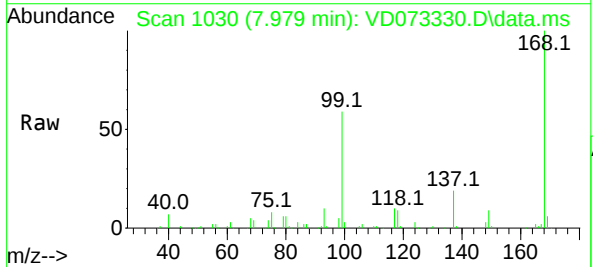
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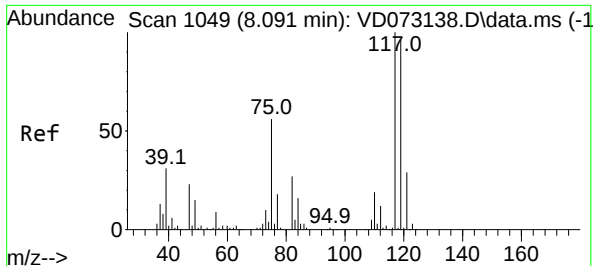
Tgt Ion:113 Resp: 177685
Ion Ratio Lower Upper
113 100
111 101.9 83.8 125.6
192 18.5 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.825 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD073330.D
Acq: 24 May 2022 17:46

Tgt Ion: 75 Resp: 24834
Ion Ratio Lower Upper
75 100
110 7.5 16.4 49.1#
77 0.0 24.2 36.2#

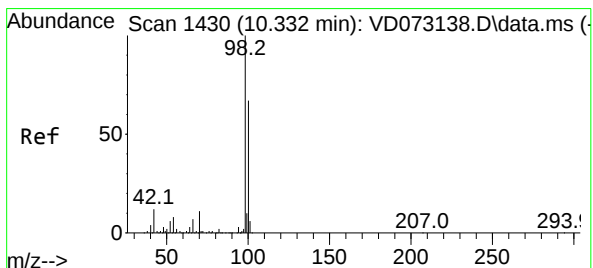
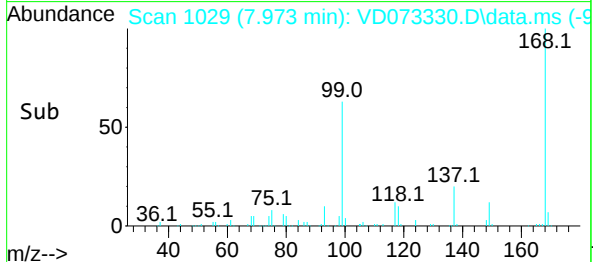
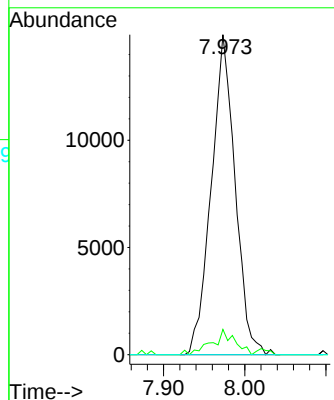
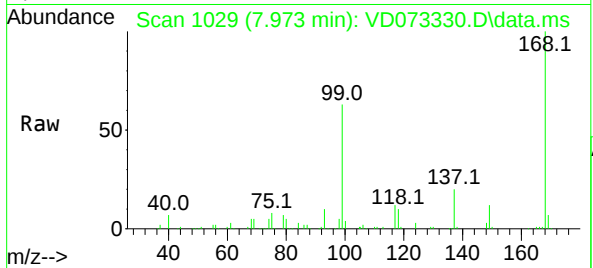




#38
Carbon Tetrachloride
Concen: 5.851 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073330.D
Acq: 24 May 2022 17:46

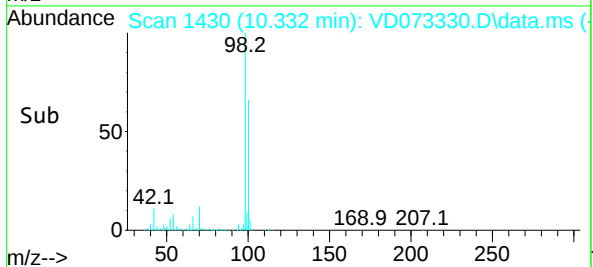
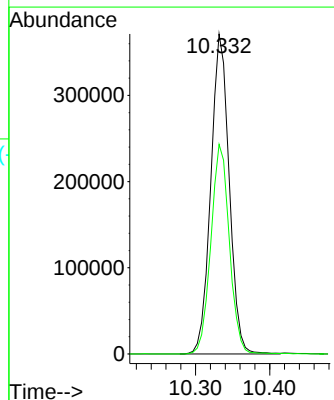
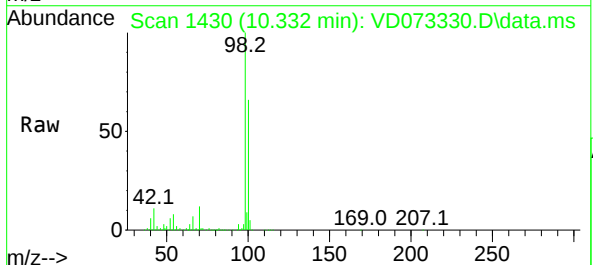
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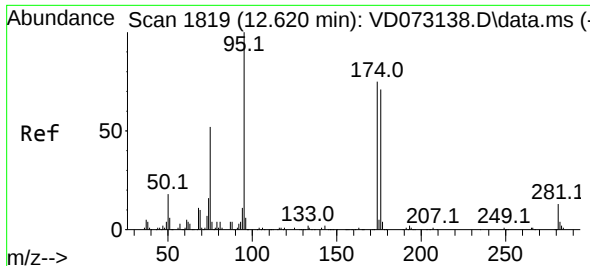
Tgt Ion:117 Resp: 30528
Ion Ratio Lower Upper
117 100
119 7.9 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.664 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073330.D
Acq: 24 May 2022 17:46

Tgt Ion: 98 Resp: 639193
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6

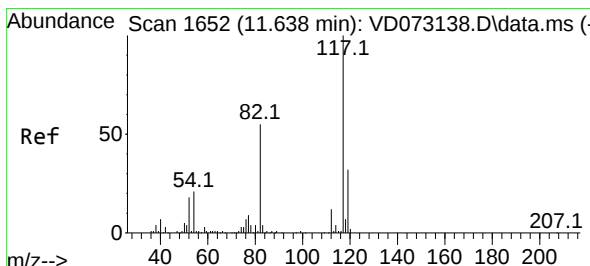
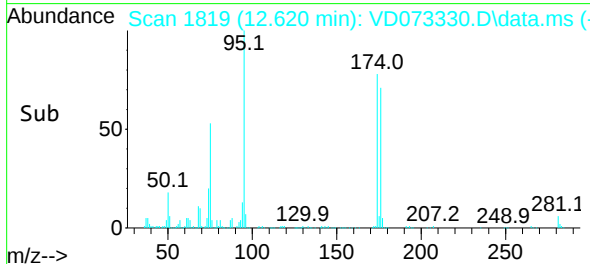
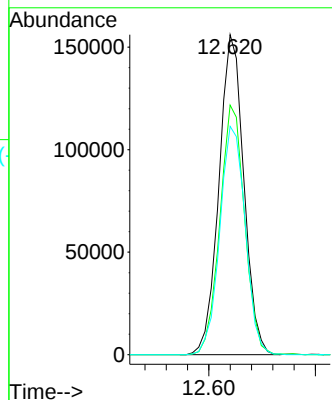
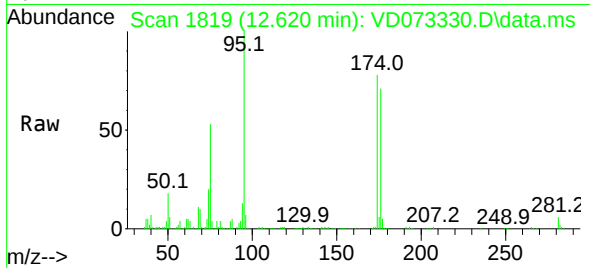




#62
4-Bromofluorobenzene
Concen: 56.979 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073330.D
Acq: 24 May 2022 17:46

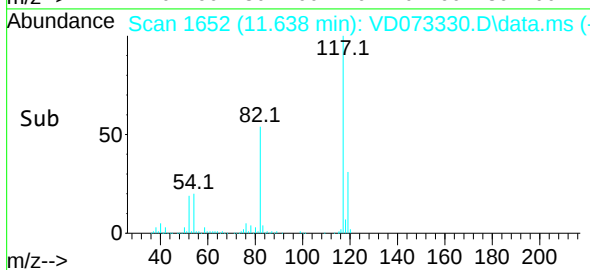
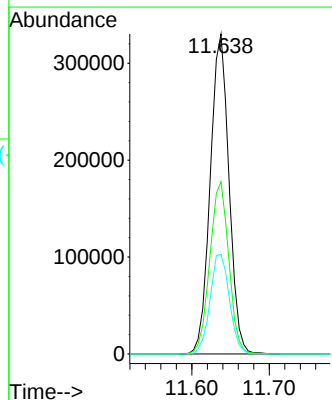
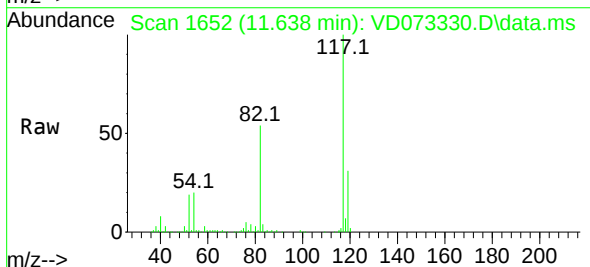
Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-1824-01

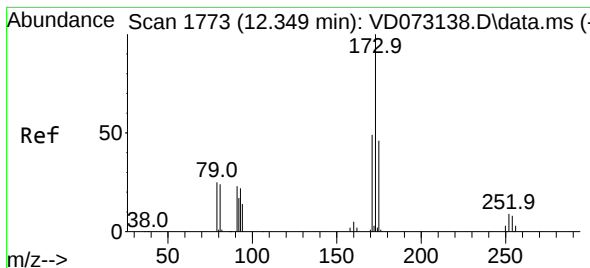
Tgt Ion: 95 Resp: 252282
Ion Ratio Lower Upper
95 100
174 77.8 0.0 152.8
176 73.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073330.D
Acq: 24 May 2022 17:46

Tgt Ion: 117 Resp: 554304
Ion Ratio Lower Upper
117 100
82 53.9 45.3 67.9
119 31.2 26.6 40.0





#71

Bromoform

Concen: 1.020 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.271 min

Lab File: VD073330.D

Acq: 24 May 2022 17:46

Instrument :

MSVOA_D

ClientSampleId :

P044-SS001-1824-01

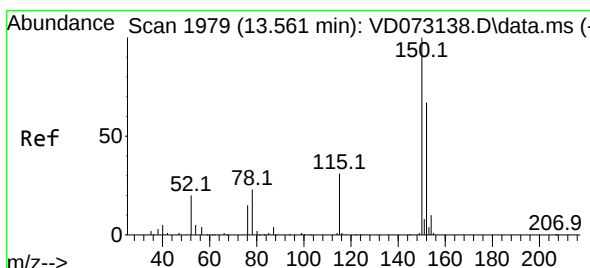
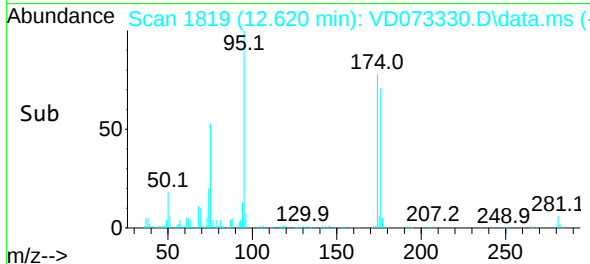
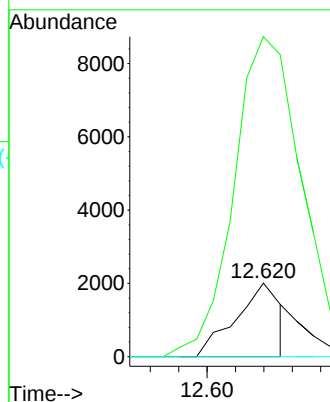
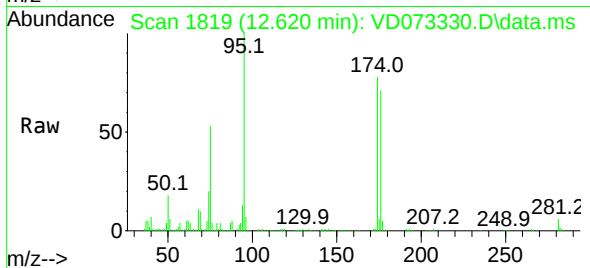
Tgt Ion:173 Resp: 2213

Ion Ratio Lower Upper

173 100

175 487.0 23.9 71.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VD073330.D

Acq: 24 May 2022 17:46

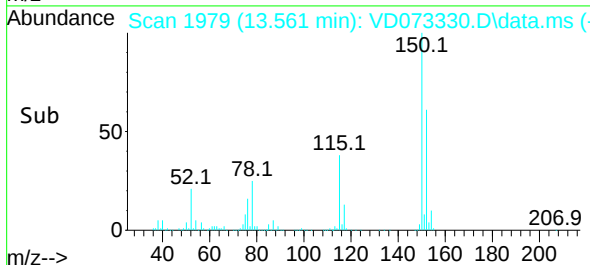
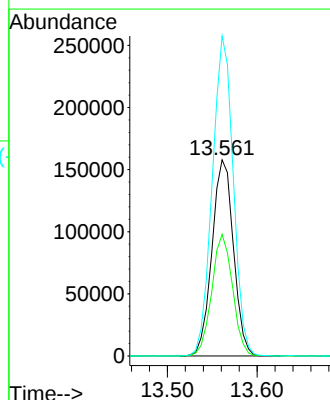
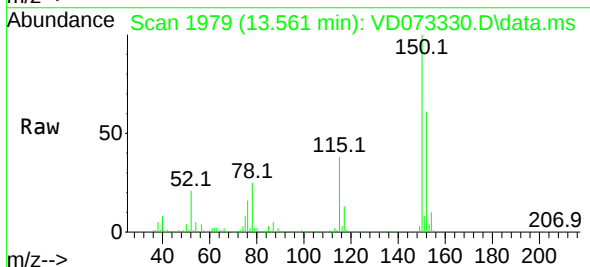
Tgt Ion:152 Resp: 262397

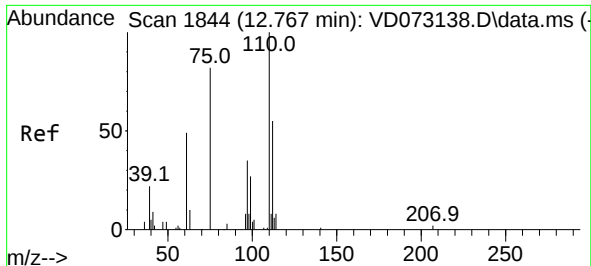
Ion Ratio Lower Upper

152 100

115 60.1 31.3 93.8

150 158.9 0.0 348.6

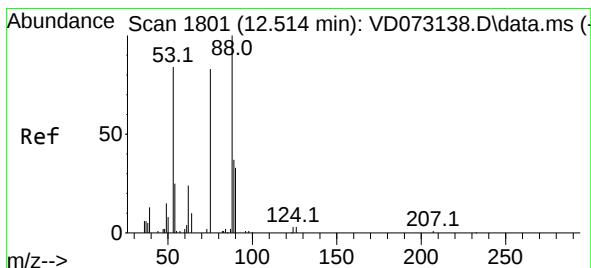
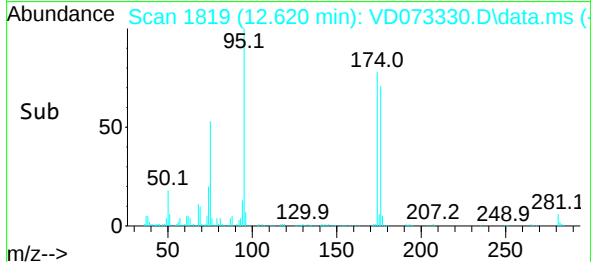
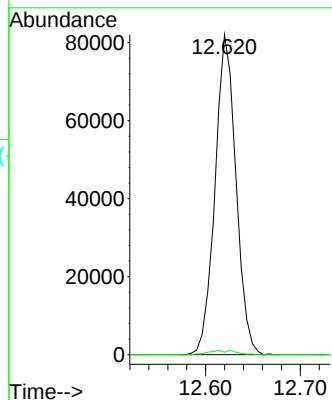
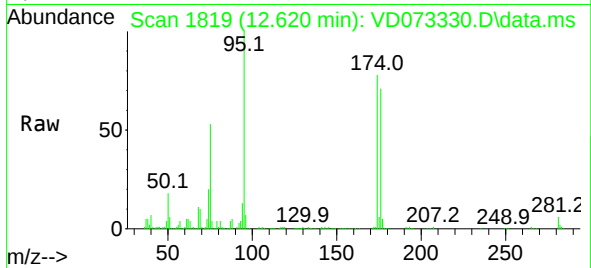




#76
1,2,3-Trichloropropane
Concen: 48.985 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073330.D
Acq: 24 May 2022 17:46

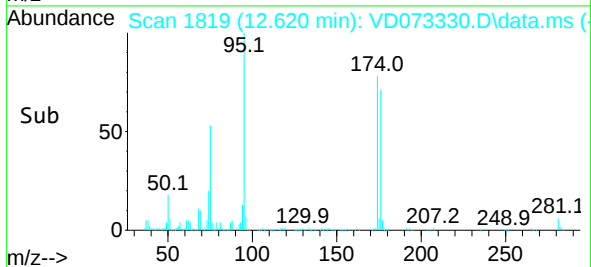
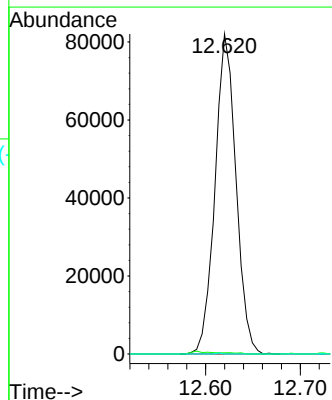
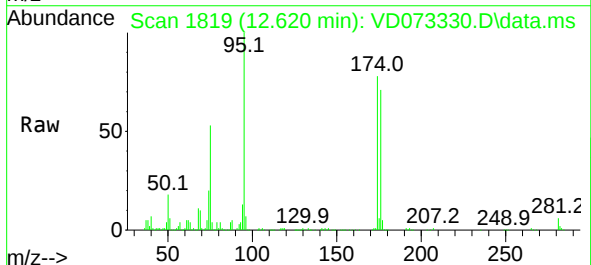
Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-1824-01

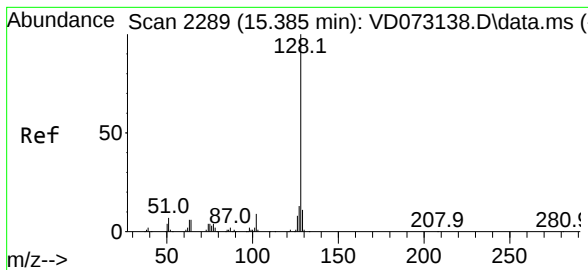
Tgt Ion: 75 Resp: 126114
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.597 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073330.D
Acq: 24 May 2022 17:46

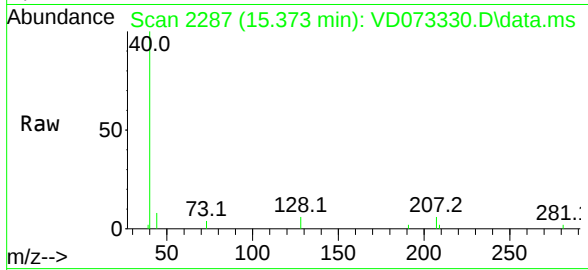
Tgt Ion: 75 Resp: 126114
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#





#95
Naphthalene
Concen: 3.613 ug/l
RT: 15.373 min Scan# 21
Delta R.T. -0.012 min
Lab File: VD073330.D
Acq: 24 May 2022 17:46

Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-1824-01



Tgt Ion:	128	Resp:	664
Ion	Ratio	Lower	Upper
128	100		
127	8.7	10.3	15.5#
129	0.0	8.4	12.6#

