

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052422\
 Data File : VD073326.D
 Acq On : 24 May 2022 15:51
 Operator : VA/SY
 Sample : N2949-09RE
 Misc : 5.56G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P043-SS001-1824-01

Quant Time: May 25 05:27:08 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)

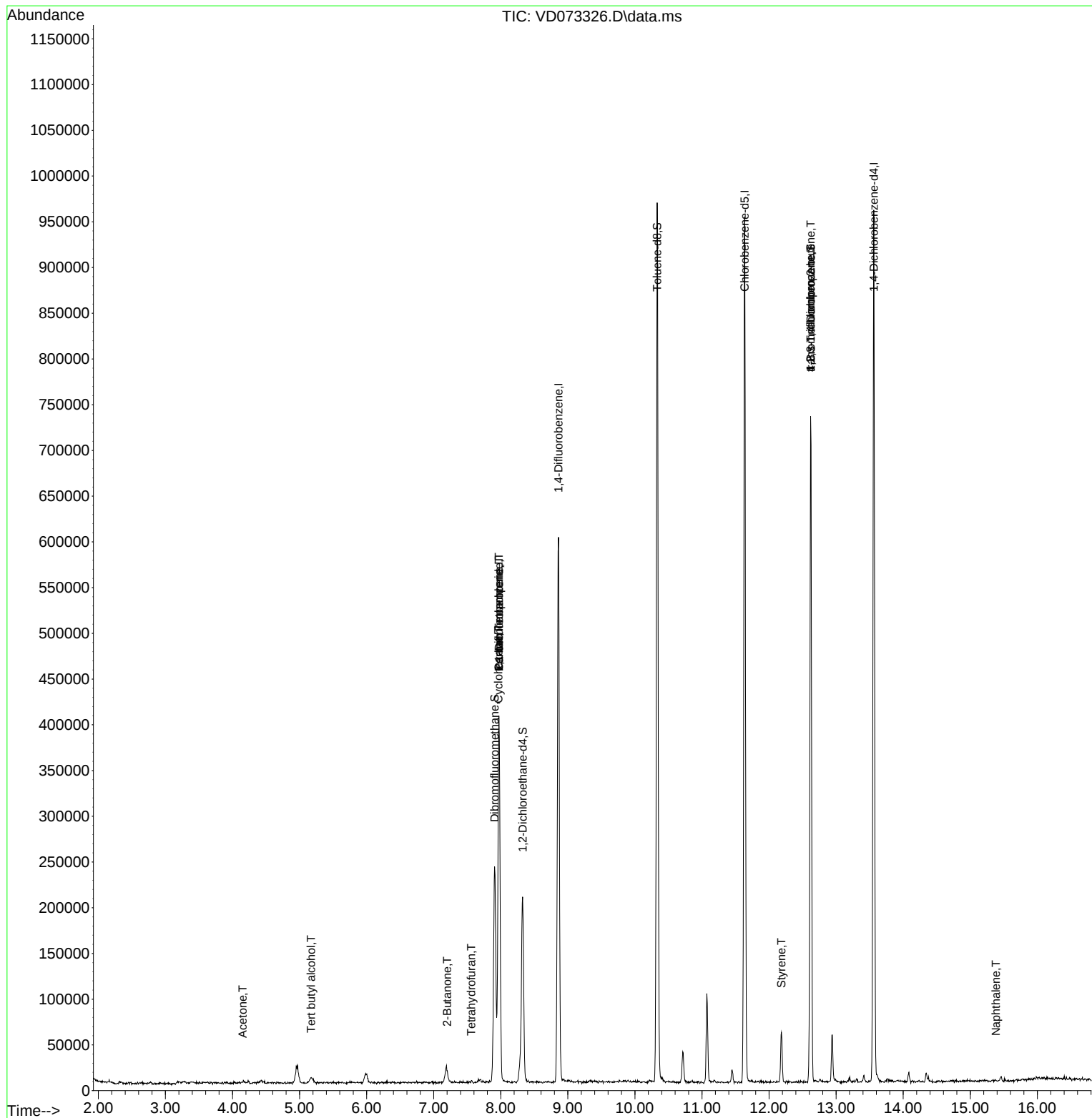
Internal Standards						
1) Pentafluorobenzene	7.973	168	288384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	515533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	549212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	248731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	157850	49.529	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.060%		
35) Dibromofluoromethane	7.908	113	173185	50.909	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.820%		
50) Toluene-d8	10.332	98	640528	51.079	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.160%		
62) 4-Bromofluorobenzene	12.620	95	237758	54.026	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	108.060%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	1080	Below Cal	#	39
11) Tert butyl alcohol	5.173	59	6143	12.423	ug/l #	74
16) Acetone	4.150	43	2800	5.072	ug/l	93
25) 2-Butanone	7.203	43	933	1.155	ug/l #	52
29) Tetrahydrofuran	7.561	42	730	1.398	ug/l #	51
31) Cyclohexane	7.967	56	7007	1.258	ug/l #	2
36) 1,1-Dichloropropene	7.973	75	24455	4.780	ug/l #	51
38) Carbon Tetrachloride	7.973	117	31075	5.992	ug/l #	18
70) Styrene	12.185	104	27786	2.288	ug/l #	88
76) 1,2,3-Trichloropropane	12.620	75	124901	51.179	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	124901	122.865	ug/l #	7
95) Naphthalene	15.384	128	827	3.636	ug/l #	70

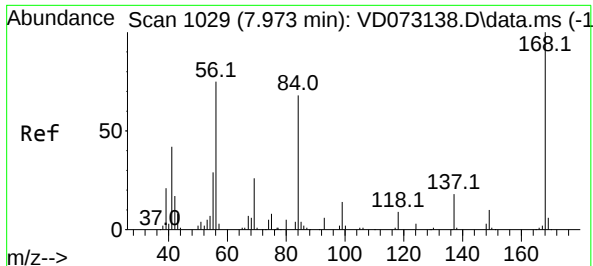
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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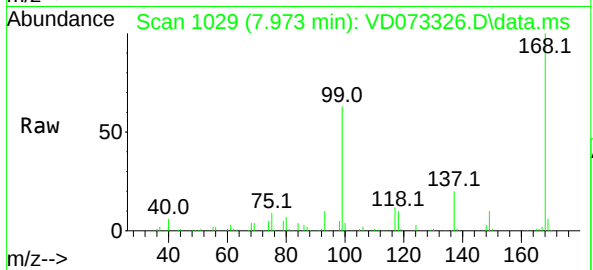
Quant Time: May 25 05:27:08 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
Response via : Initial Calibration



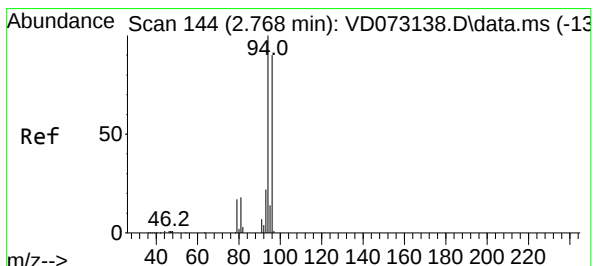
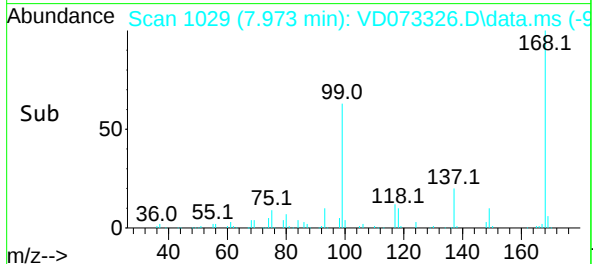
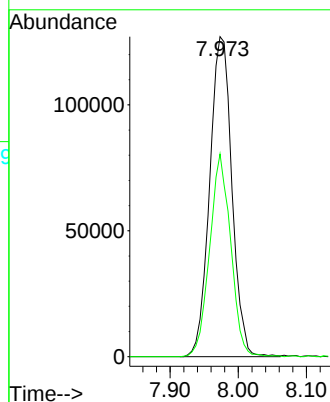


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073326.D
Acq: 24 May 2022 15:51

Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-1824-01

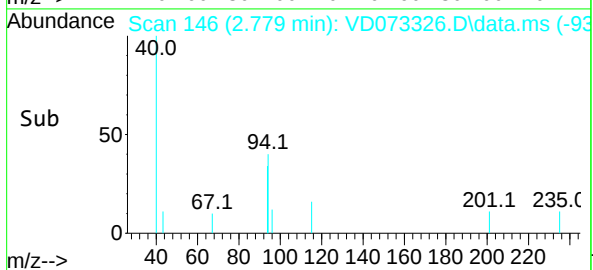
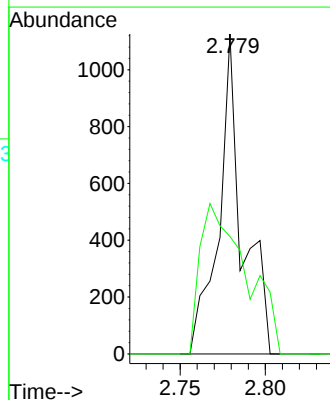
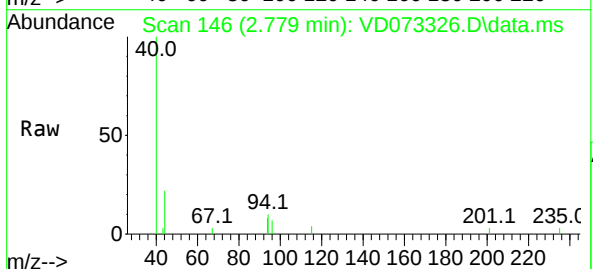


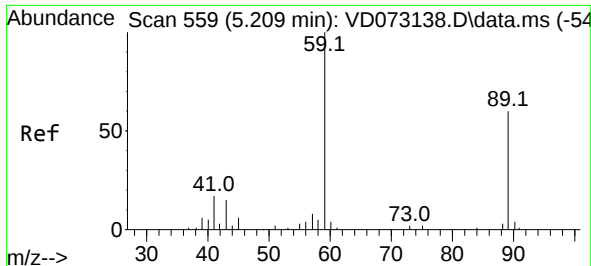
Tgt Ion:168 Resp: 288384
Ion Ratio Lower Upper
168 100
99 63.3 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073326.D
Acq: 24 May 2022 15:51

Tgt Ion: 94 Resp: 1080
Ion Ratio Lower Upper
94 100
96 36.7 77.6 116.4#

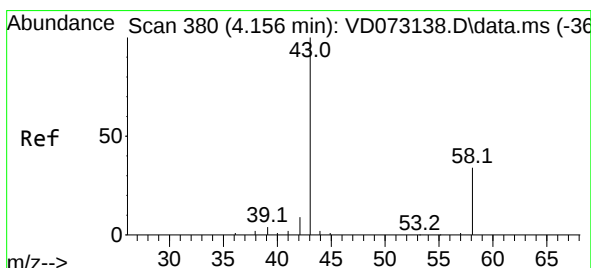
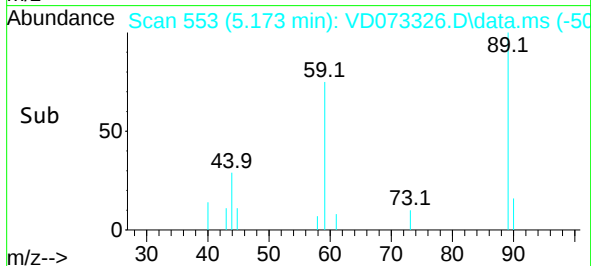
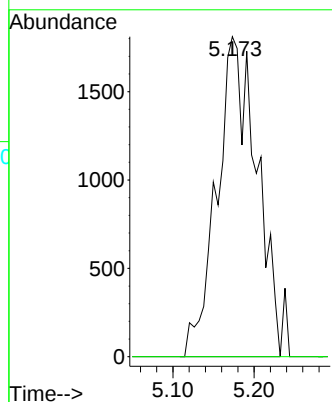
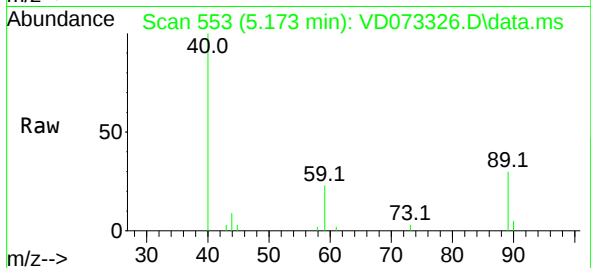




#11
Tert butyl alcohol
Concen: 12.423 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD073326.D
Acq: 24 May 2022 15:51

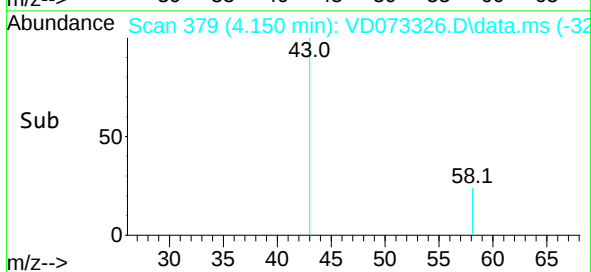
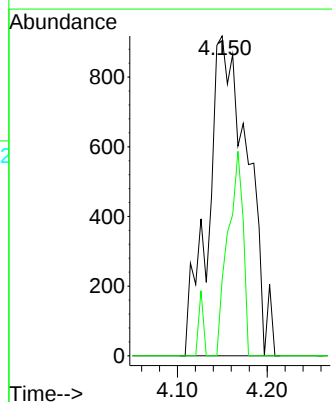
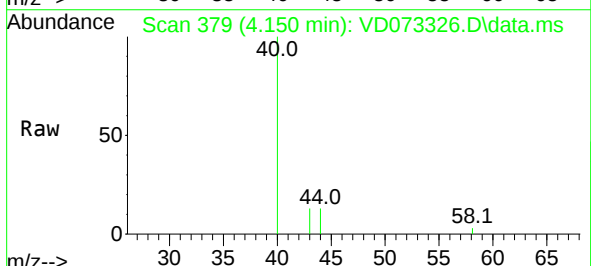
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-1824-01

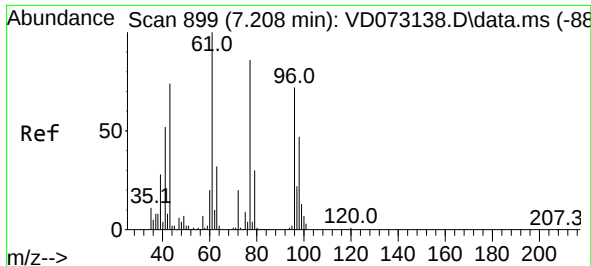
Tgt Ion: 59 Resp: 6143
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 5.072 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD073326.D
Acq: 24 May 2022 15:51

Tgt Ion: 43 Resp: 2800
Ion Ratio Lower Upper
43 100
58 23.7 22.1 33.1

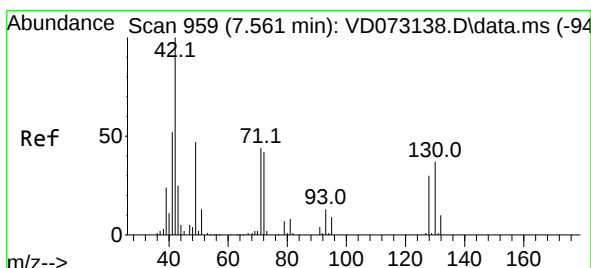
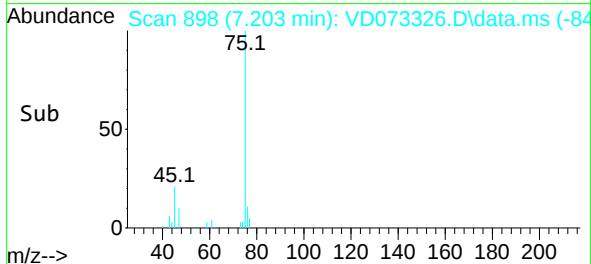
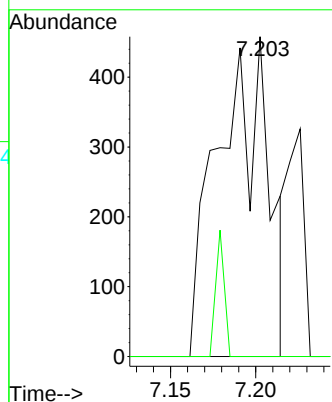
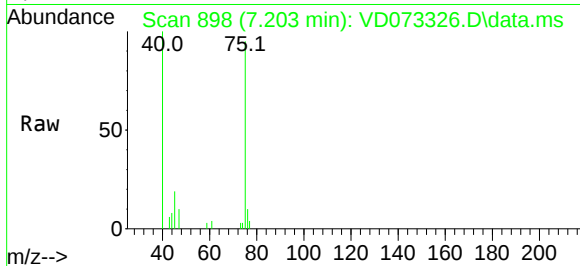




#25
2-Butanone
Concen: 1.155 ug/l
RT: 7.203 min Scan# 899
Delta R.T. -0.005 min
Lab File: VD073326.D
Acq: 24 May 2022 15:51

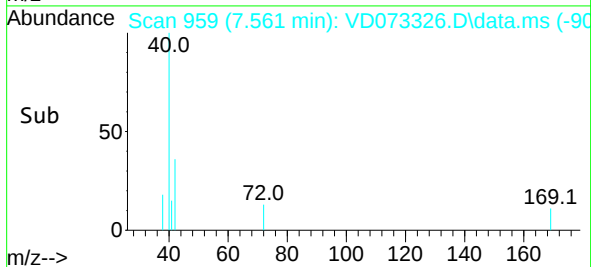
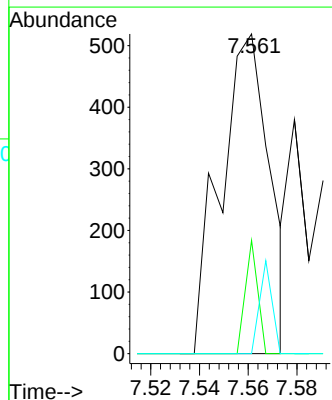
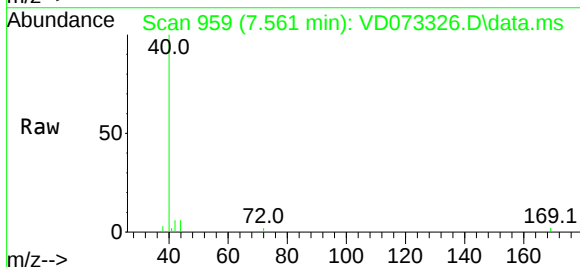
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-1824-01

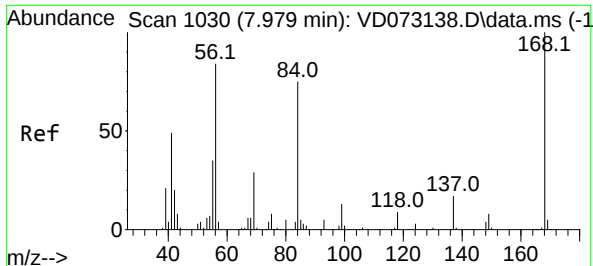
Tgt Ion: 43 Resp: 933
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#29
Tetrahydrofuran
Concen: 1.398 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.000 min
Lab File: VD073326.D
Acq: 24 May 2022 15:51

Tgt Ion: 42 Resp: 730
Ion Ratio Lower Upper
42 100
72 8.9 30.7 46.1#
71 7.3 28.6 43.0#





#31

Cyclohexane

Concen: 1.258 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073326.D

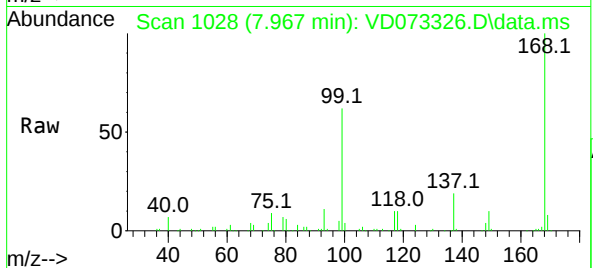
Acq: 24 May 2022 15:51

Instrument :

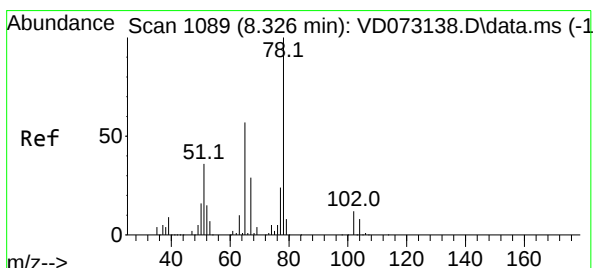
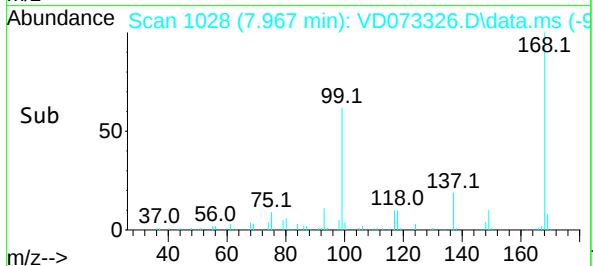
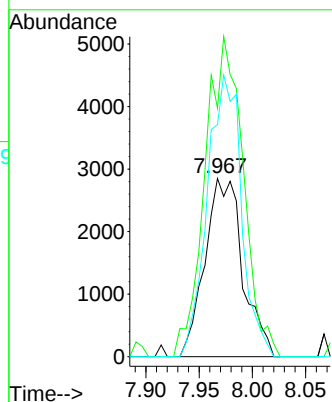
MSVOA_D

ClientSampleId :

P043-SS001-1824-01



Tgt Ion:	56	Resp:	7007
Ion	Ratio	Lower	Upper
56	100		
69	139.4	25.4	38.2#
84	130.2	63.0	94.4#



#33

1,2-Dichloroethane-d4

Concen: 49.529 ug/l

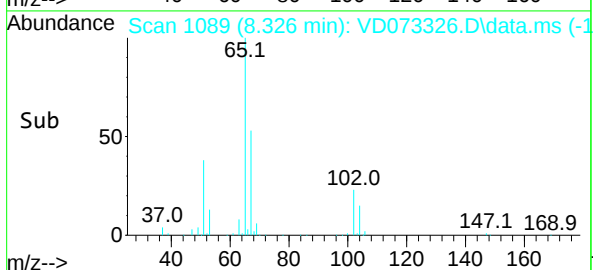
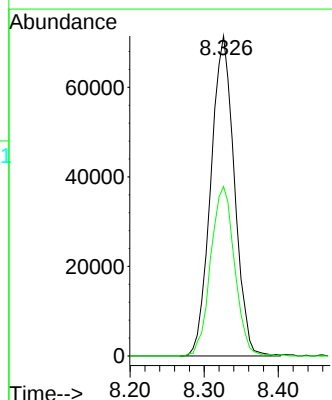
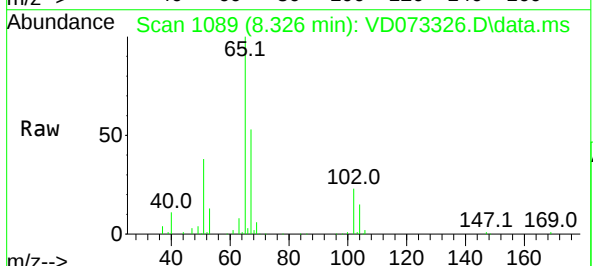
RT: 8.326 min Scan# 1089

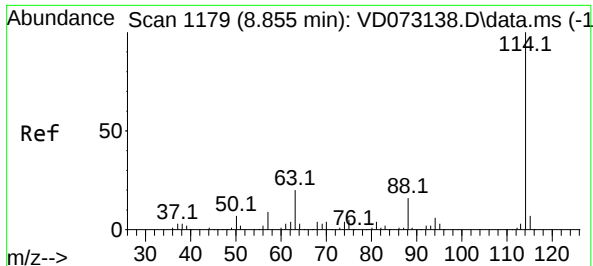
Delta R.T. 0.000 min

Lab File: VD073326.D

Acq: 24 May 2022 15:51

Tgt Ion:	65	Resp:	157850
Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VD073326.D

Acq: 24 May 2022 15:51

Instrument :

MSVOA_D

ClientSampleId :

P043-SS001-1824-01

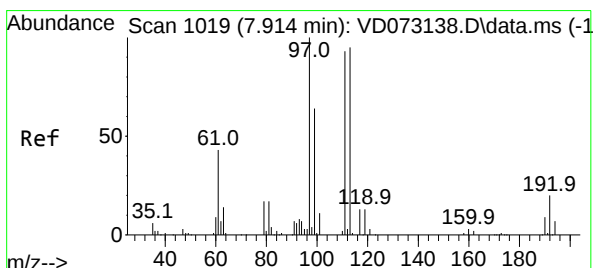
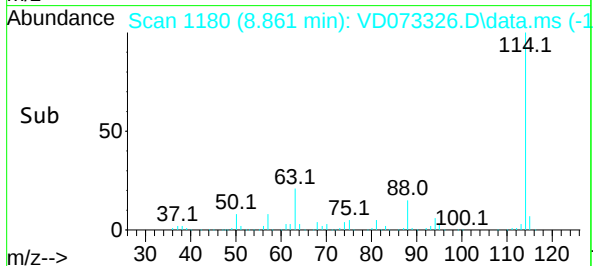
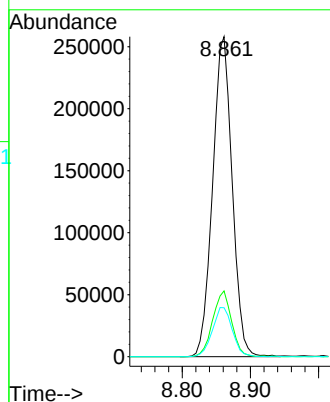
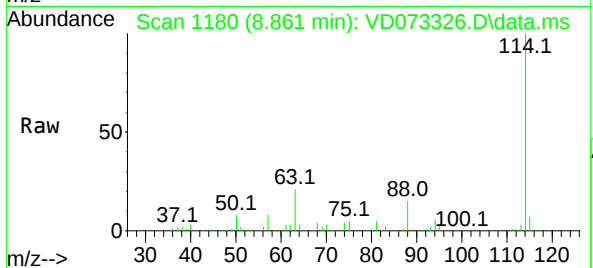
Tgt Ion:114 Resp: 515533

Ion Ratio Lower Upper

114 100

63 20.5 0.0 46.6

88 15.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.909 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073326.D

Acq: 24 May 2022 15:51

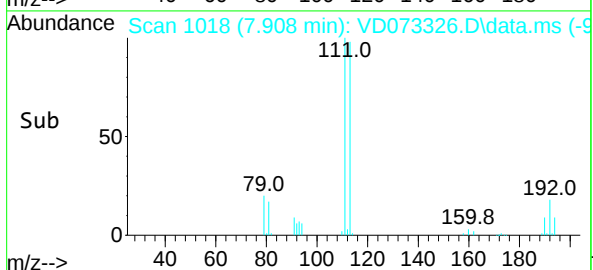
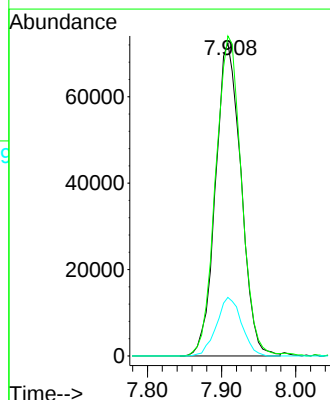
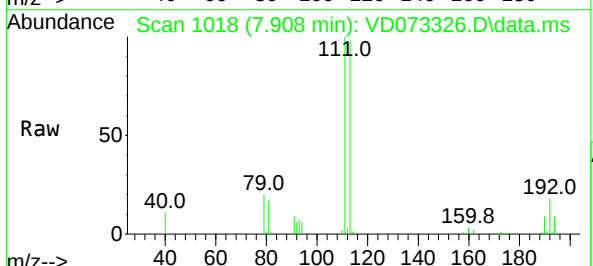
Tgt Ion:113 Resp: 173185

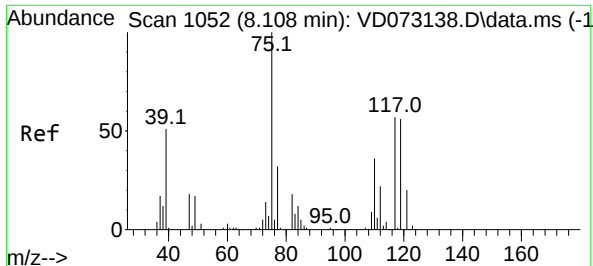
Ion Ratio Lower Upper

113 100

111 103.2 83.8 125.6

192 18.4 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.780 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073326.D

Acq: 24 May 2022 15:51

Instrument :

MSVOA_D

ClientSampleId :

P043-SS001-1824-01

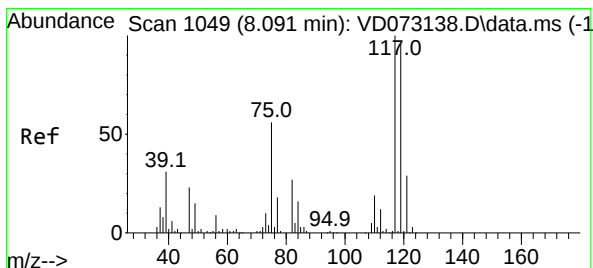
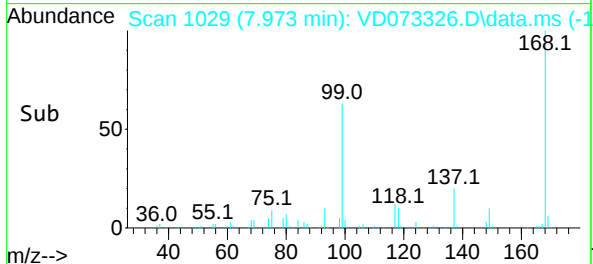
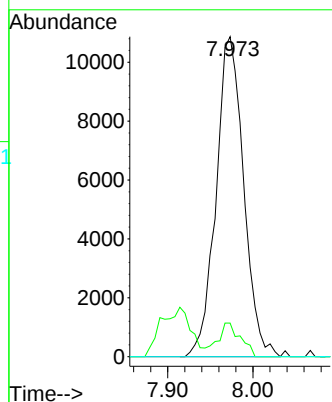
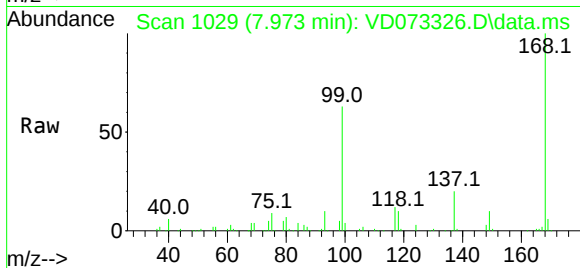
Tgt Ion: 75 Resp: 24455

Ion Ratio Lower Upper

75 100

110 8.6 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.992 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073326.D

Acq: 24 May 2022 15:51

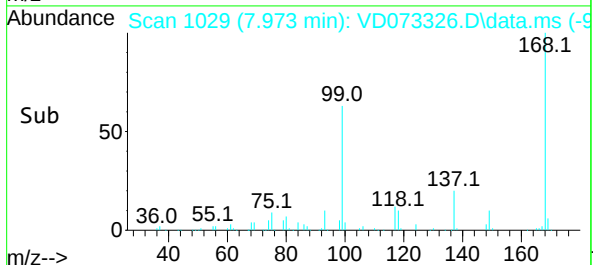
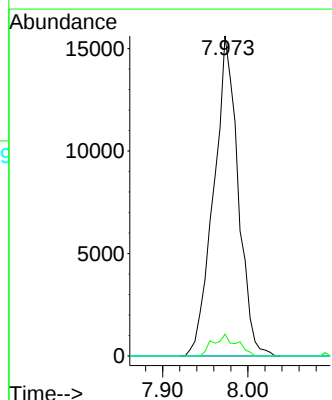
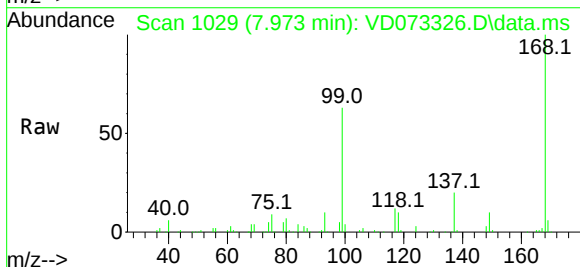
Tgt Ion: 117 Resp: 31075

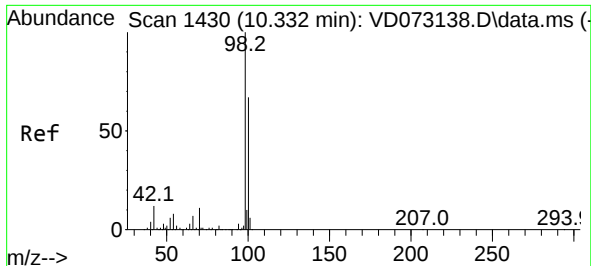
Ion Ratio Lower Upper

117 100

119 6.8 75.8 113.6#

121 0.0 24.5 36.7#

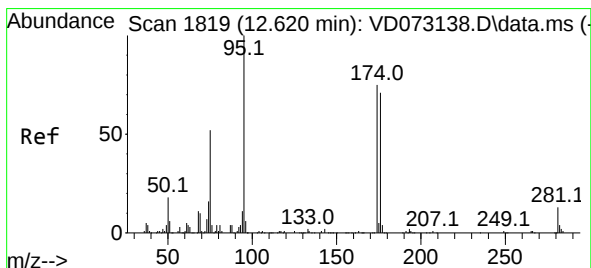
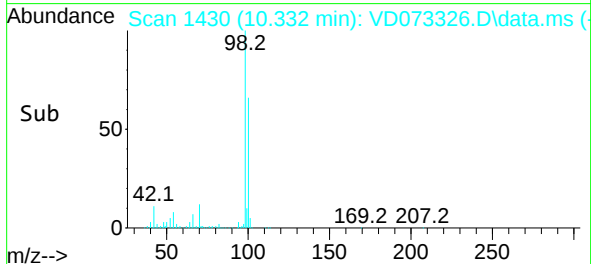
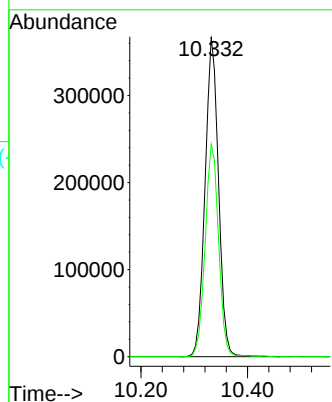
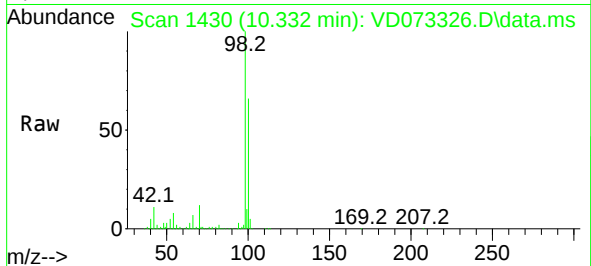




#50
Toluene-d8
Concen: 51.079 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073326.D
Acq: 24 May 2022 15:51

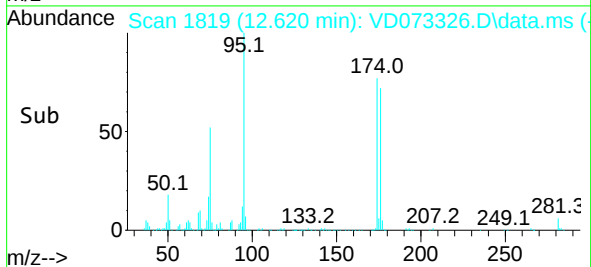
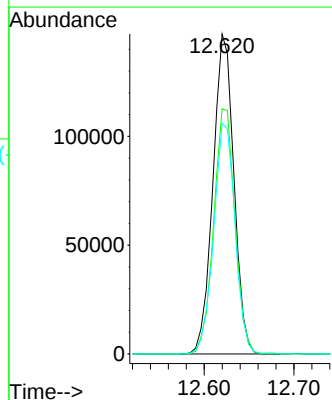
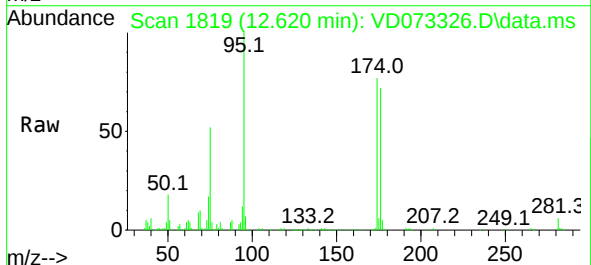
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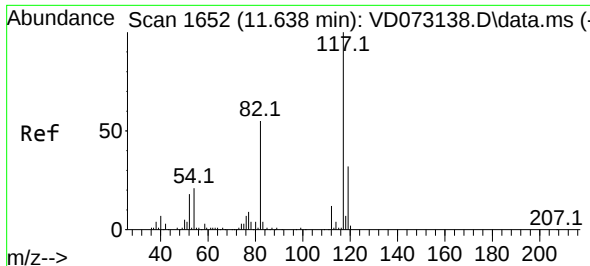
Tgt Ion: 98 Resp: 640528
Ion Ratio Lower Upper
98 100
100 66.5 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 54.026 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073326.D
Acq: 24 May 2022 15:51

Tgt Ion: 95 Resp: 237758
Ion Ratio Lower Upper
95 100
174 78.2 0.0 152.8
176 73.6 0.0 145.4

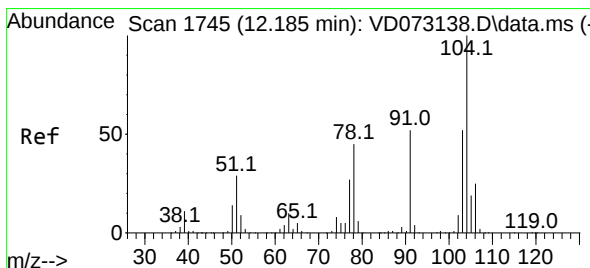
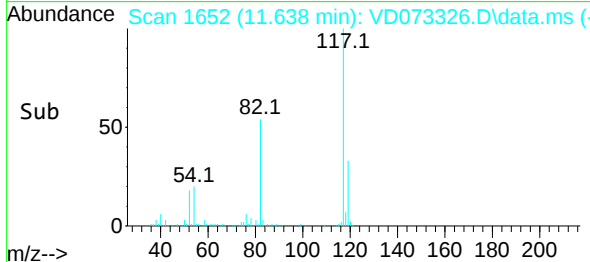
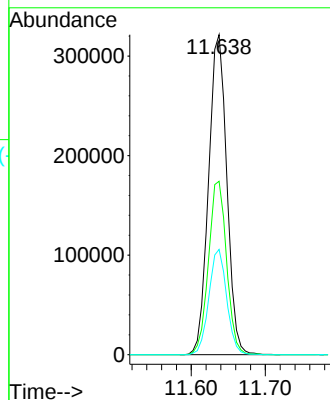
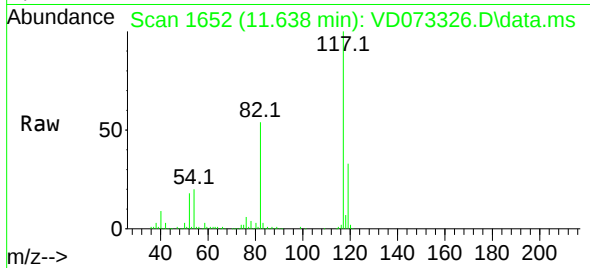




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD073326.D
Acq: 24 May 2022 15:51

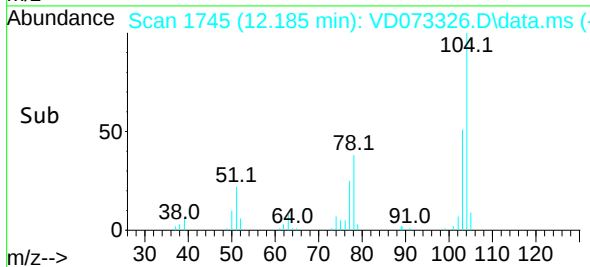
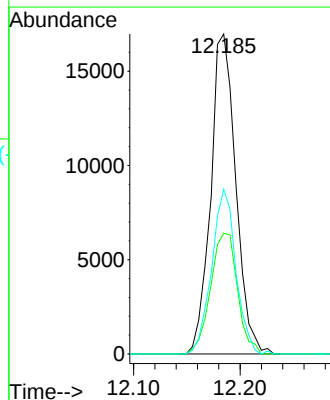
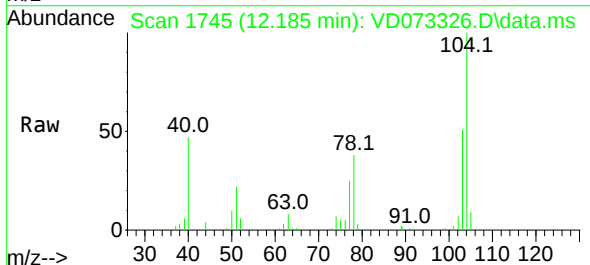
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-1824-01

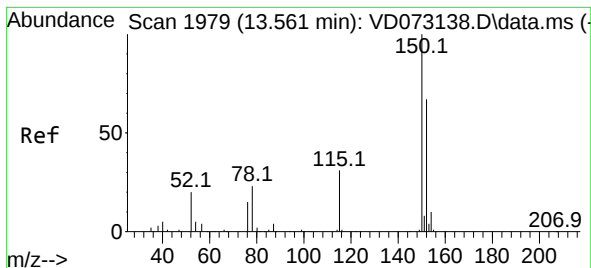
Tgt Ion:117 Resp: 549212
Ion Ratio Lower Upper
117 100
82 54.2 45.3 67.9
119 32.9 26.6 40.0



#70
Styrene
Concen: 2.288 ug/l
RT: 12.185 min Scan# 1745
Delta R.T. -0.000 min
Lab File: VD073326.D
Acq: 24 May 2022 15:51

Tgt Ion:104 Resp: 27786
Ion Ratio Lower Upper
104 100
78 40.4 41.8 62.8#
103 49.7 44.2 66.4

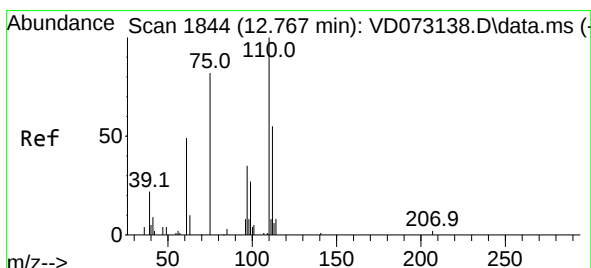
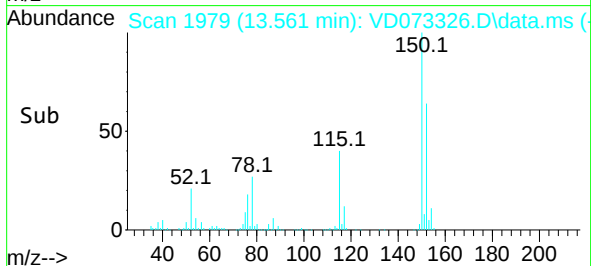
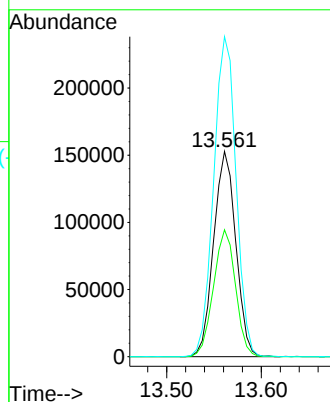
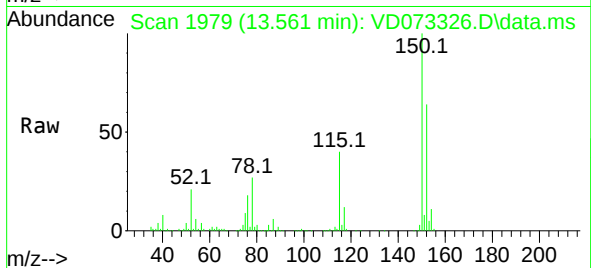




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073326.D
Acq: 24 May 2022 15:51

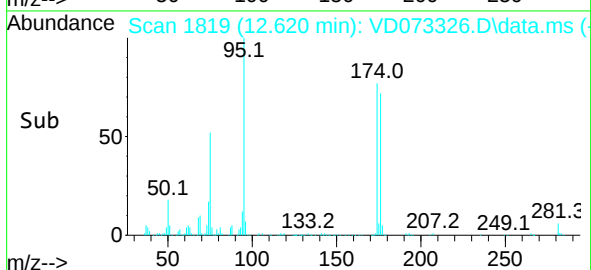
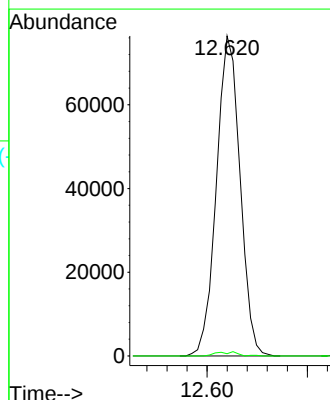
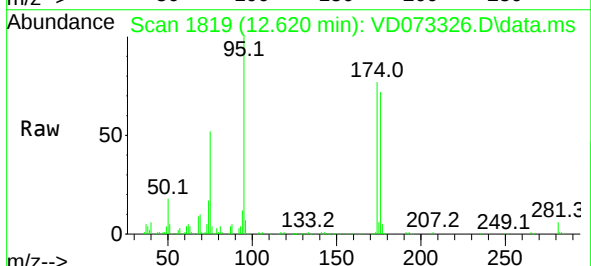
Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-1824-01

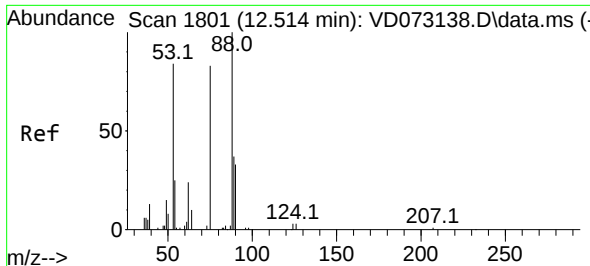
Tgt Ion:152 Resp: 248731
Ion Ratio Lower Upper
152 100
115 61.3 31.3 93.8
150 157.6 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 51.179 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073326.D
Acq: 24 May 2022 15:51

Tgt Ion: 75 Resp: 124901
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

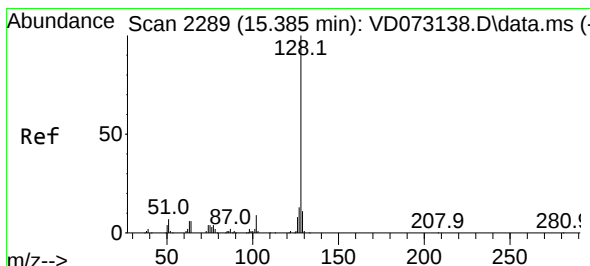
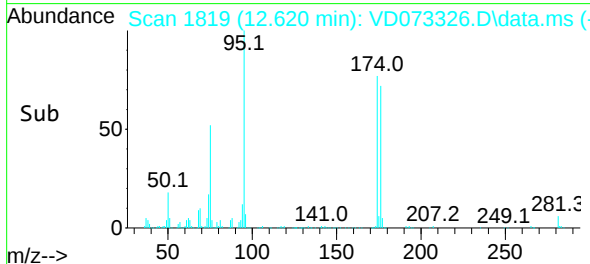
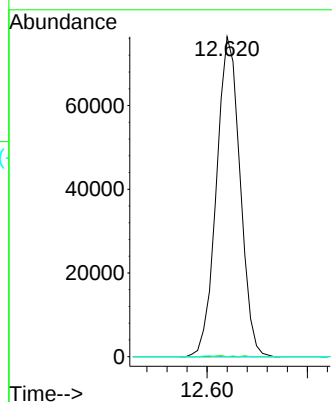
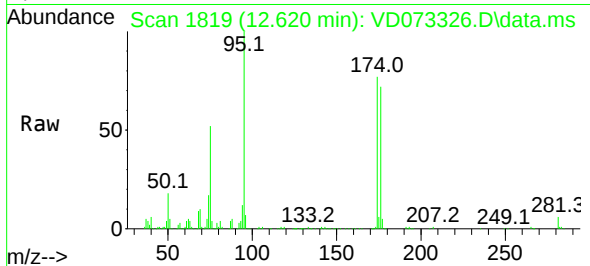




#81
trans-1,4-Dichloro-2-butene
Concen: 122.865 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073326.D
Acq: 24 May 2022 15:51

Instrument :
MSVOA_D
ClientSampleId :
P043-SS001-1824-01

Tgt Ion: 75 Resp: 124901
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.636 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD073326.D
Acq: 24 May 2022 15:51

Tgt Ion: 128 Resp: 827
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

