

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073309.D
 Acq On : 24 May 2022 04:50
 Operator : VA/SY
 Sample : N2949-11
 Misc : 5.52G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P044-SS001-0006-01

Quant Time: May 24 08:16:56 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)

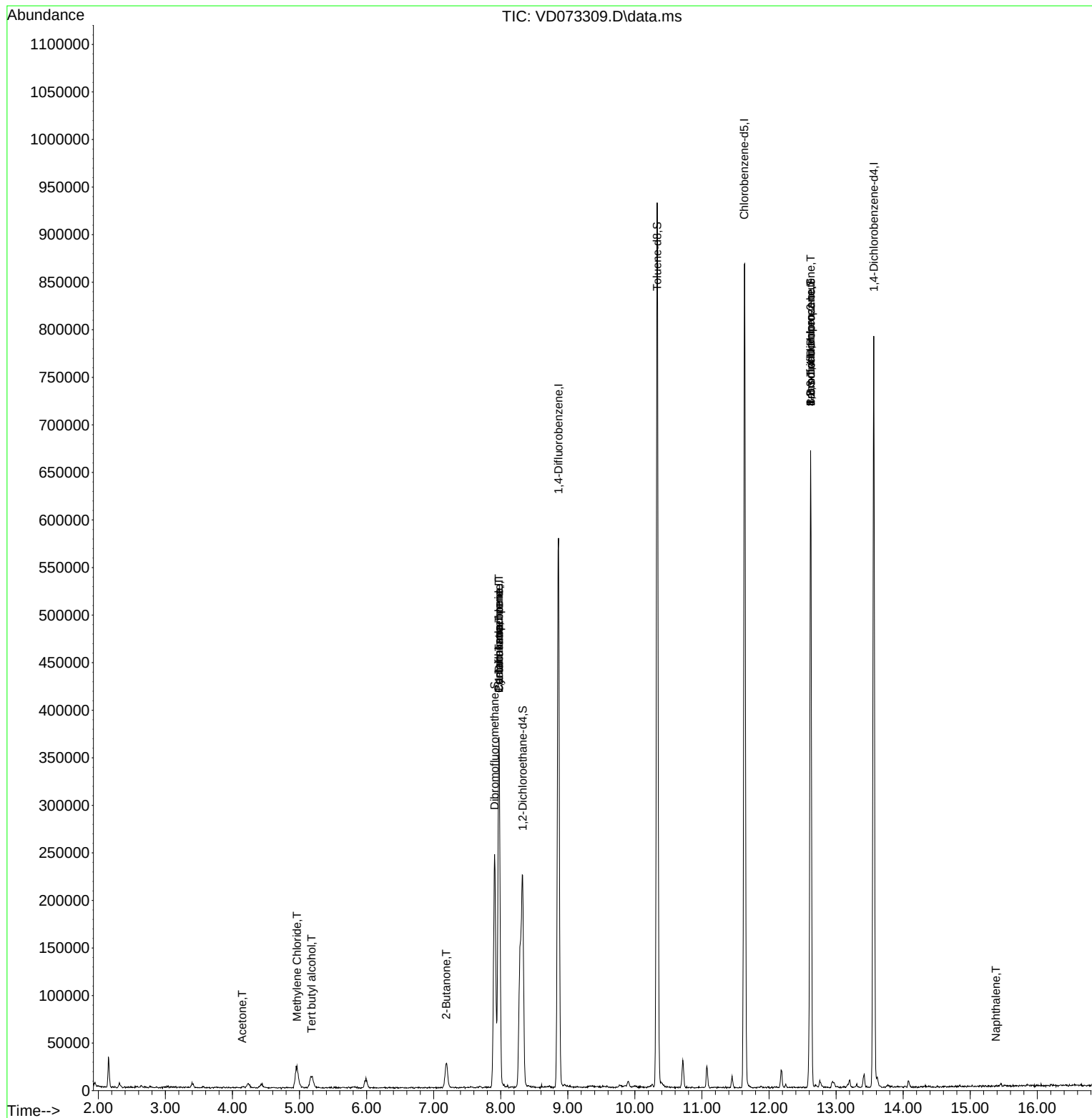
Internal Standards						
1) Pentafluorobenzene	7.973	168	264832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	498524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	502589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	208526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	165598	56.580	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.160%			
35) Dibromofluoromethane	7.909	113	175920	53.478	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.960%			
50) Toluene-d8	10.332	98	608556	50.185	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.380%			
62) 4-Bromofluorobenzene	12.620	95	217204	51.040	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.080%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	753	Below Cal	#	77
11) Tert butyl alcohol	5.179	59	12375	27.252	ug/l #	74
16) Acetone	4.144	43	1051	2.073	ug/l #	63
20) Methylene Chloride	4.962	84	17862	1.698	ug/l #	74
25) 2-Butanone	7.185	43	1485	2.002	ug/l #	52
31) Cyclohexane	7.973	56	6162	1.205	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	23419	4.734	ug/l #	51
38) Carbon Tetrachloride	7.973	117	28051	5.593	ug/l #	17
71) Bromoform	12.620	173	2298	1.168	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	106789	52.194	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	106789	125.302	ug/l #	7
95) Naphthalene	15.385	128	66	3.550	ug/l #	70

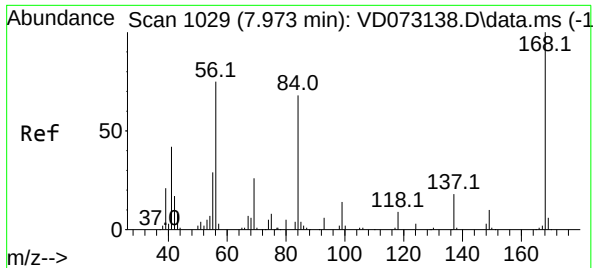
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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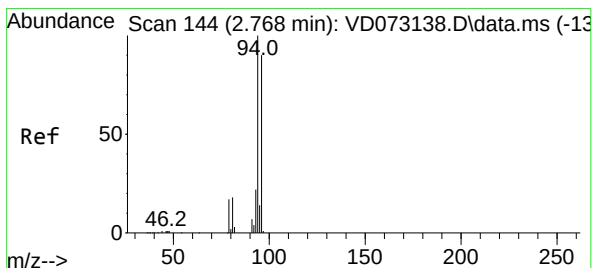
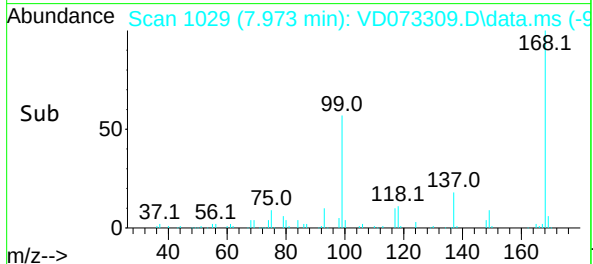
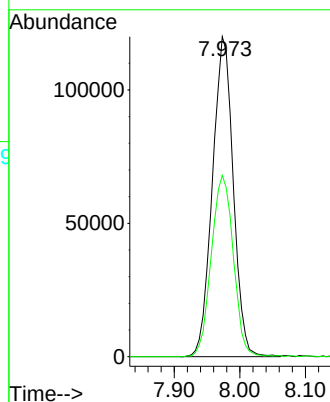
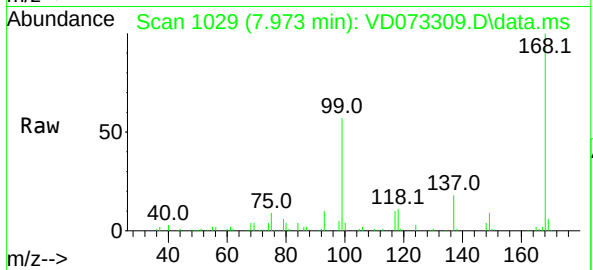




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073309.D
Acq: 24 May 2022 04:50

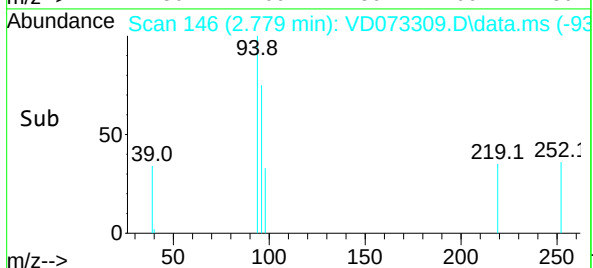
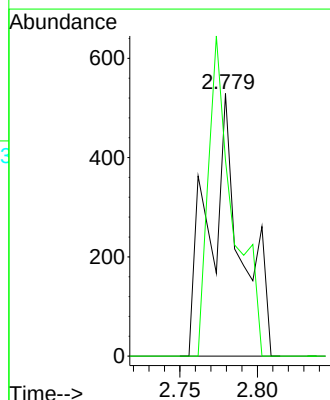
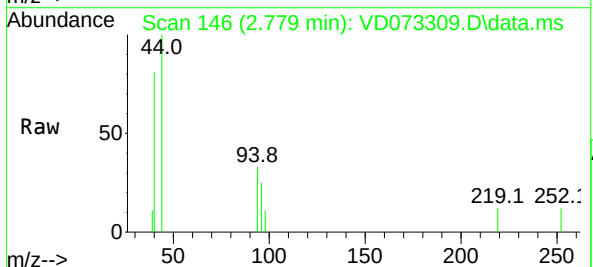
Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-0006-01

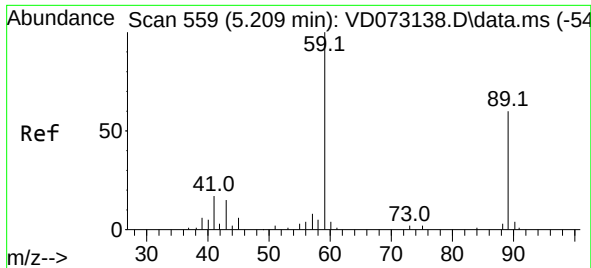
Tgt Ion:168 Resp: 264832
Ion Ratio Lower Upper
168 100
99 56.6 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073309.D
Acq: 24 May 2022 04:50

Tgt Ion: 94 Resp: 753
Ion Ratio Lower Upper
94 100
96 74.7 77.6 116.4#





#11

Tert butyl alcohol

Concen: 27.252 ug/l

RT: 5.179 min Scan# 51

Delta R.T. -0.030 min

Lab File: VD073309.D

Acq: 24 May 2022 04:50

Instrument :

MSVOA_D

ClientSampleId :

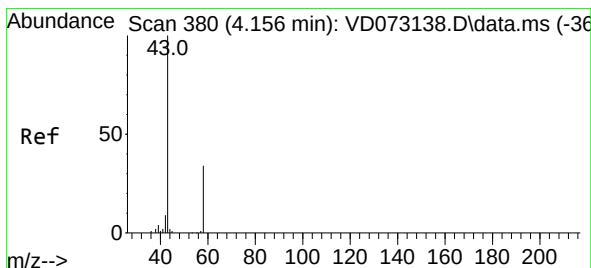
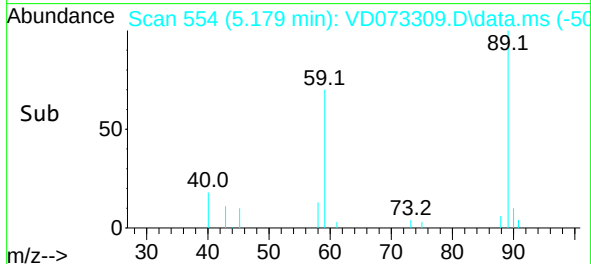
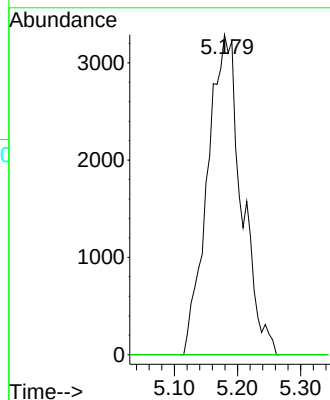
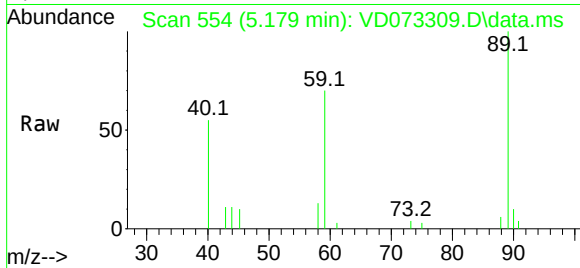
P044-SS001-0006-01

Tgt Ion: 59 Resp: 12375

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 2.073 ug/l

RT: 4.144 min Scan# 378

Delta R.T. -0.012 min

Lab File: VD073309.D

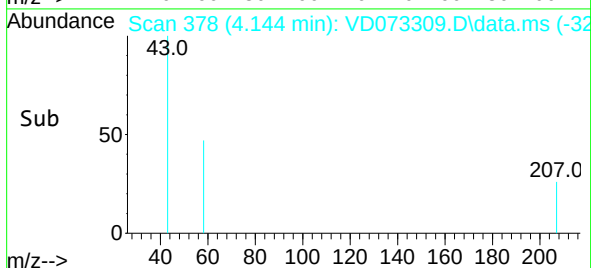
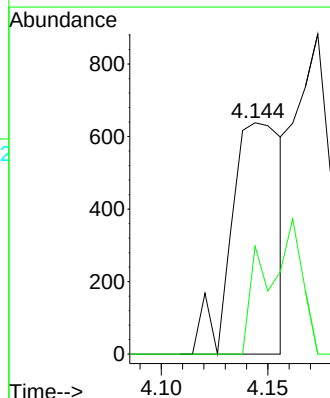
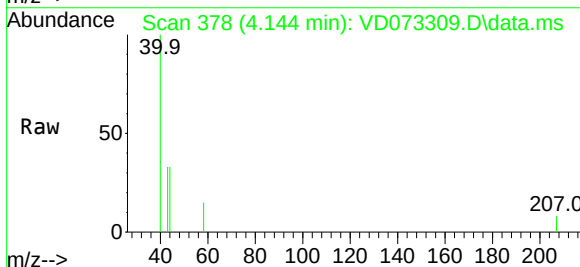
Acq: 24 May 2022 04:50

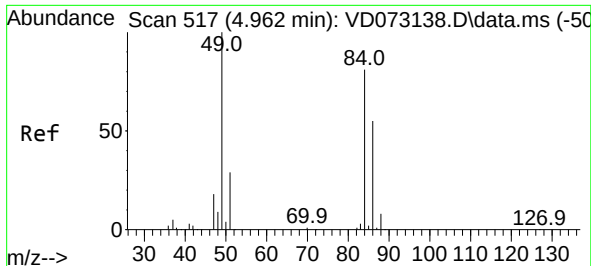
Tgt Ion: 43 Resp: 1051

Ion Ratio Lower Upper

43 100

58 46.7 22.1 33.1#

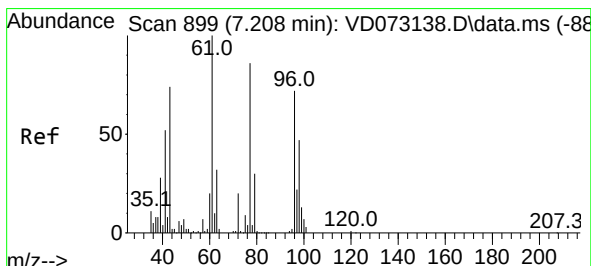
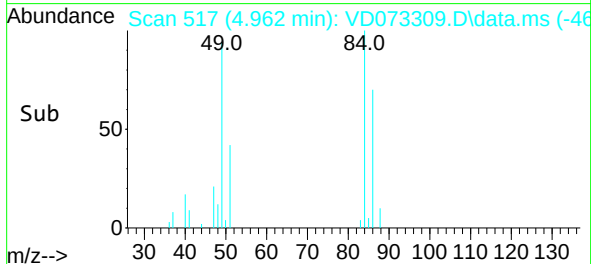
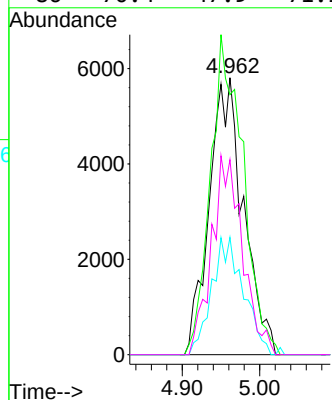
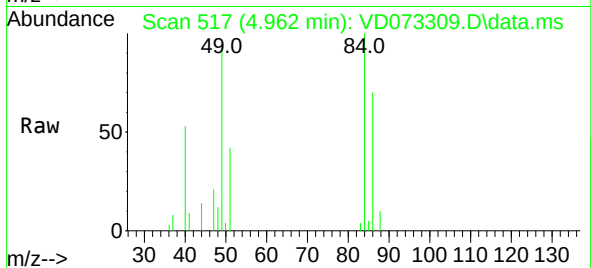




#20
Methylene Chloride
Concen: 1.698 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD073309.D
Acq: 24 May 2022 04:50

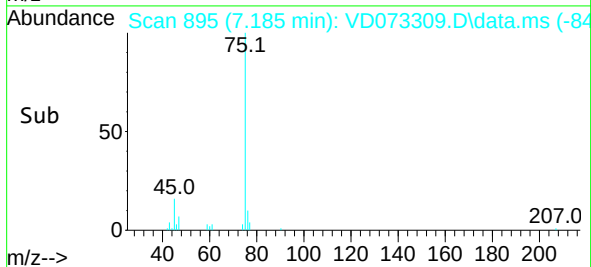
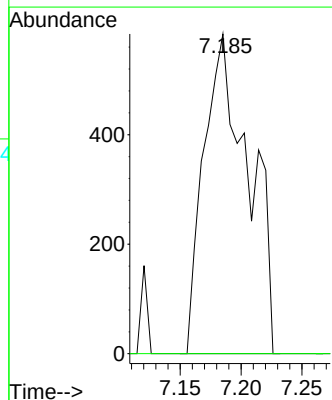
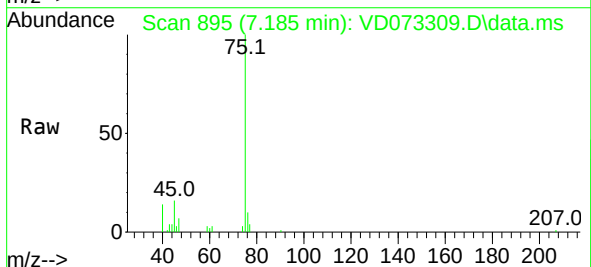
Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-0006-01

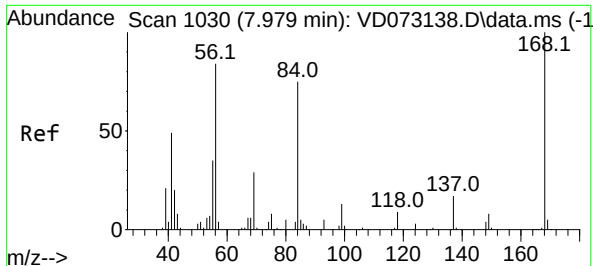
Tgt Ion:	84	Resp:	17862
Ion	Ratio	Lower	Upper
84	100		
49	93.9	112.8	169.2#
51	42.3	32.6	48.8
86	70.4	47.9	71.9



#25
2-Butanone
Concen: 2.002 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.023 min
Lab File: VD073309.D
Acq: 24 May 2022 04:50

Tgt Ion:	43	Resp:	1485
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#31

Cyclohexane

Concen: 1.205 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073309.D

Acq: 24 May 2022 04:50

Instrument :

MSVOA_D

ClientSampleId :

P044-SS001-0006-01

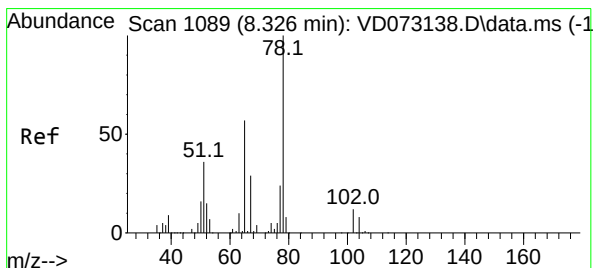
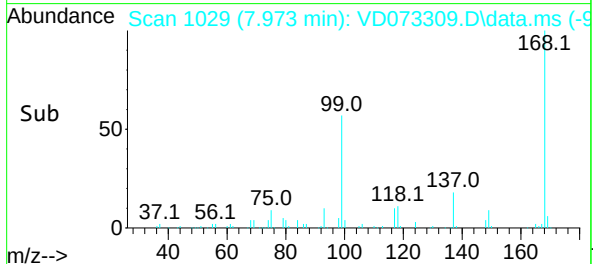
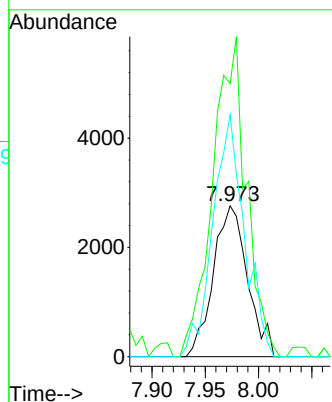
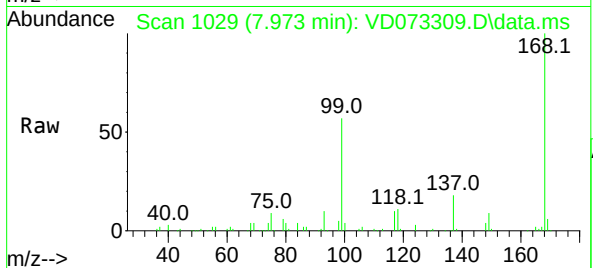
Tgt Ion: 56 Resp: 6162

Ion Ratio Lower Upper

56 100

69 181.0 25.4 38.2#

84 160.4 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 56.580 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073309.D

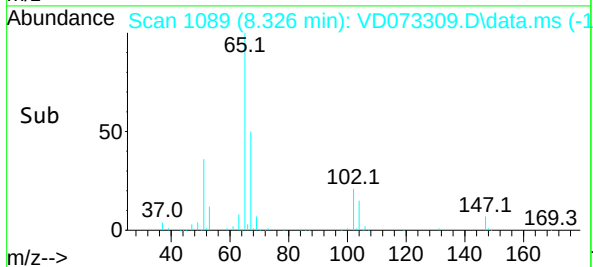
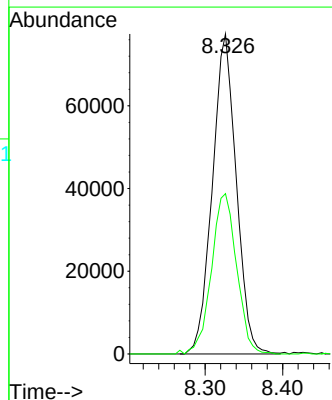
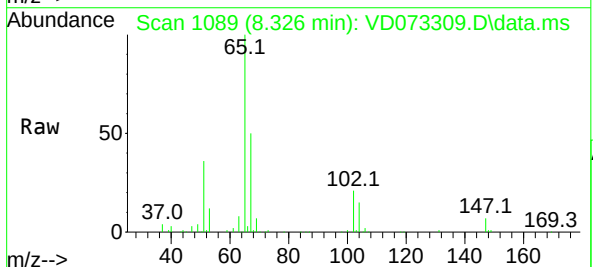
Acq: 24 May 2022 04:50

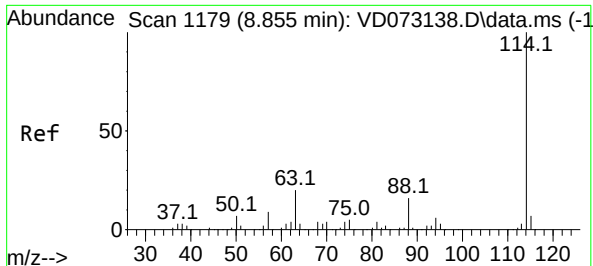
Tgt Ion: 65 Resp: 165598

Ion Ratio Lower Upper

65 100

67 53.0 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: VD073309.D

Acq: 24 May 2022 04:50

Instrument :

MSVOA_D

ClientSampleId :

P044-SS001-0006-01

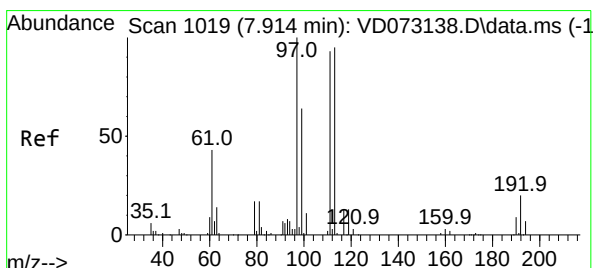
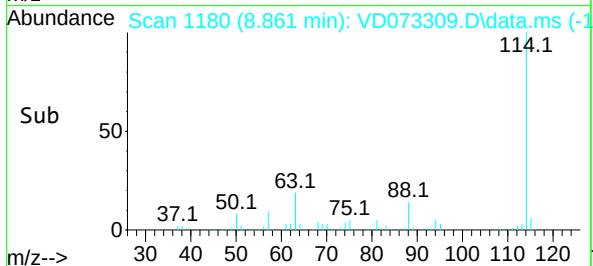
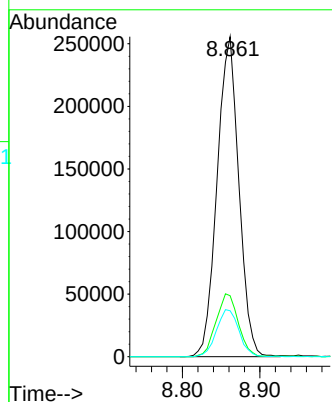
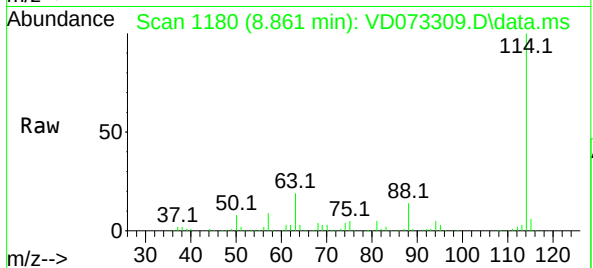
Tgt Ion:114 Resp: 498524

Ion Ratio Lower Upper

114 100

63 19.1 0.0 46.6

88 14.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 53.478 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073309.D

Acq: 24 May 2022 04:50

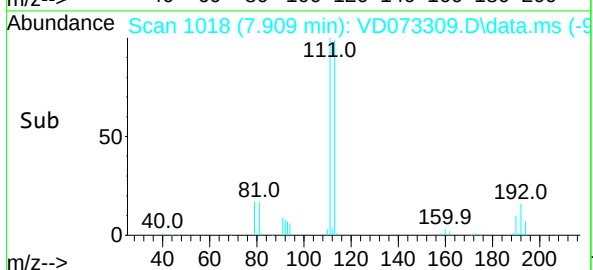
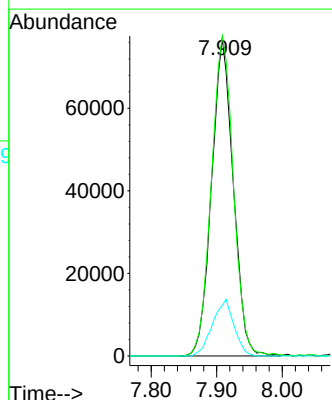
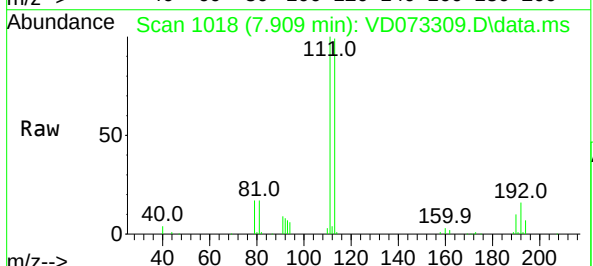
Tgt Ion:113 Resp: 175920

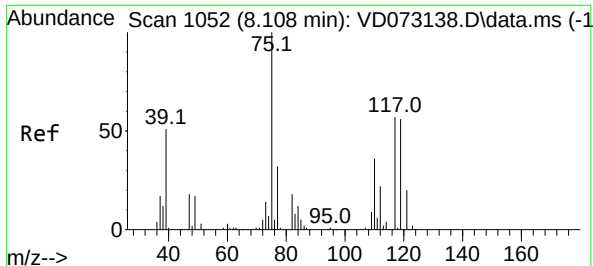
Ion Ratio Lower Upper

113 100

111 102.6 83.8 125.6

192 17.7 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.734 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073309.D

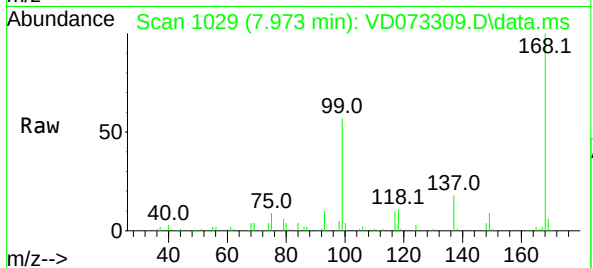
Acq: 24 May 2022 04:50

Instrument :

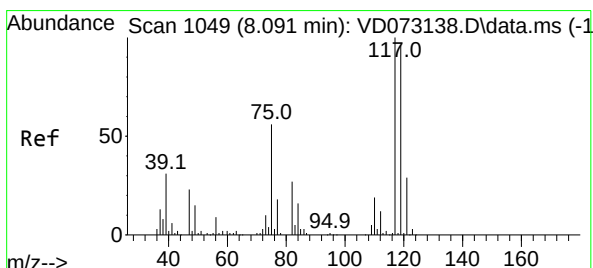
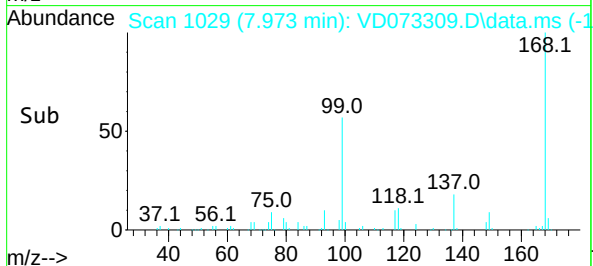
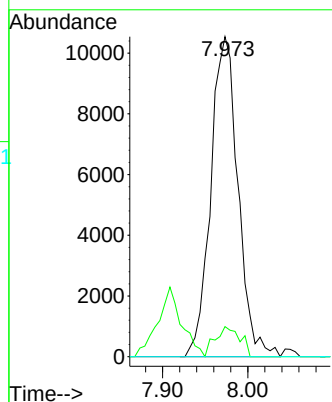
MSVOA_D

ClientSampleId :

P044-SS001-0006-01



Tgt Ion:	75	Resp:	23419
Ion Ratio	100	Lower	Upper
110	8.5	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.593 ug/l

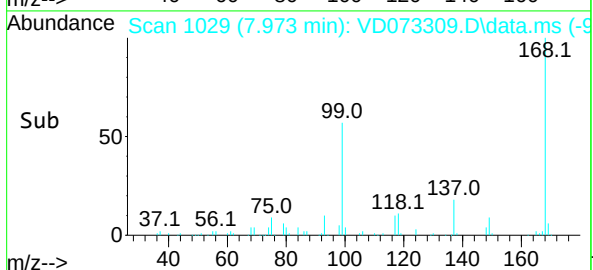
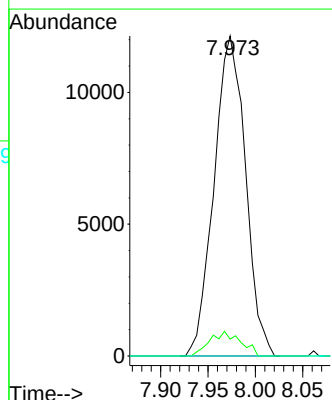
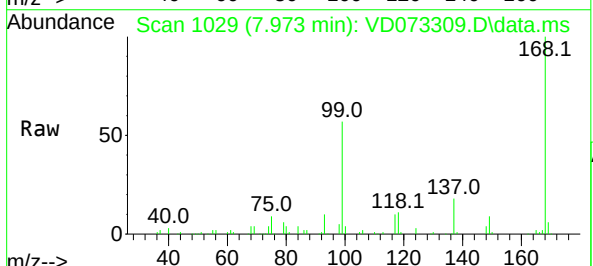
RT: 7.973 min Scan# 1029

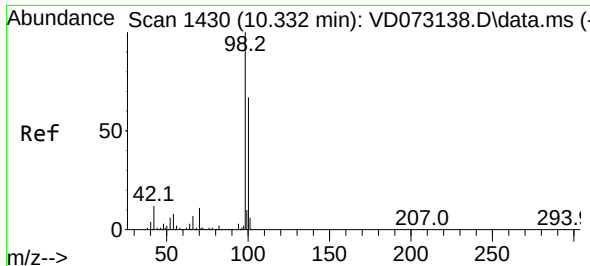
Delta R.T. -0.118 min

Lab File: VD073309.D

Acq: 24 May 2022 04:50

Tgt Ion:	117	Resp:	28051
Ion Ratio	100	Lower	Upper
119	5.2	75.8	113.6#
121	0.0	24.5	36.7#

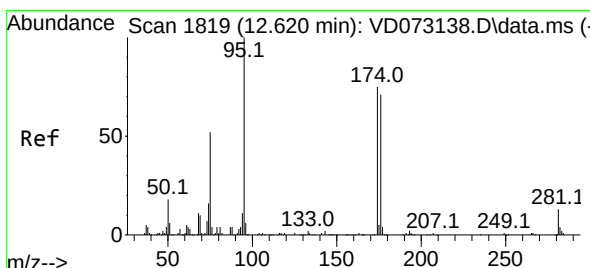
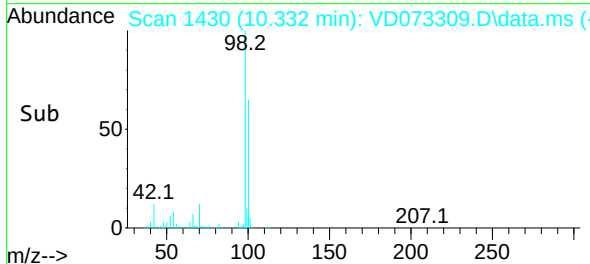
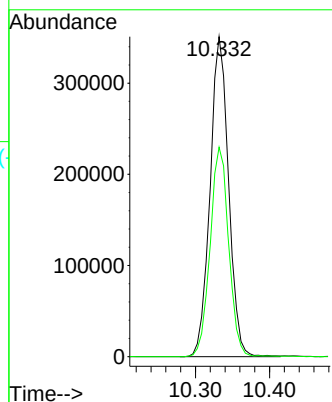
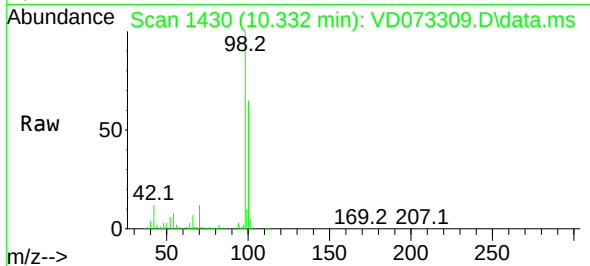




#50
Toluene-d8
Concen: 50.185 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073309.D
Acq: 24 May 2022 04:50

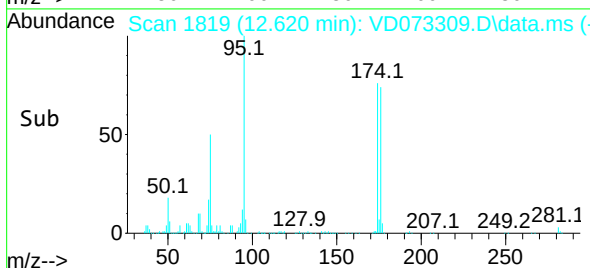
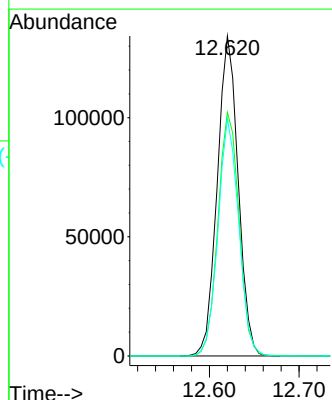
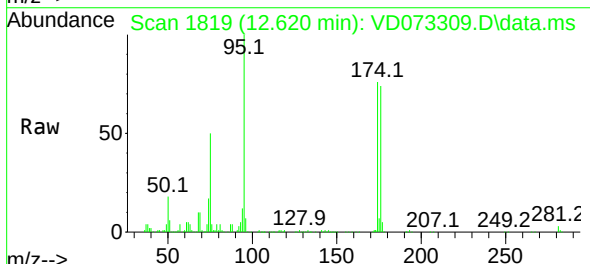
Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-0006-01

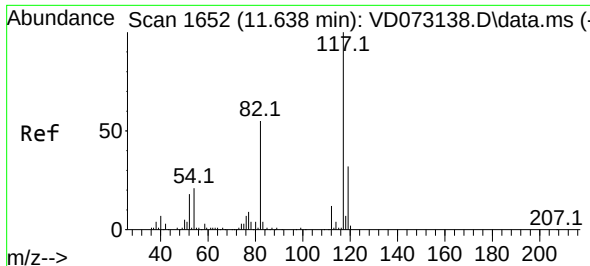
Tgt Ion: 98 Resp: 608556
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 51.040 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073309.D
Acq: 24 May 2022 04:50

Tgt Ion: 95 Resp: 217204
Ion Ratio Lower Upper
95 100
174 76.8 0.0 152.8
176 73.4 0.0 145.4

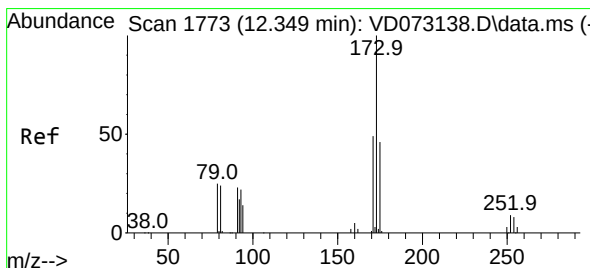
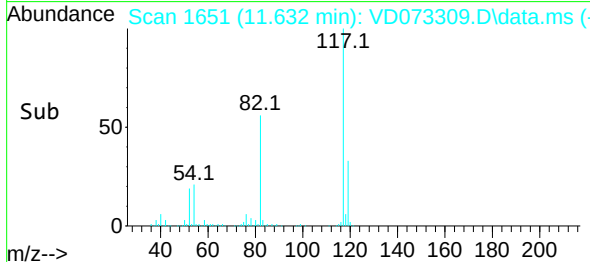
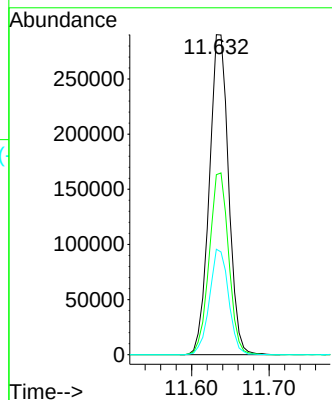
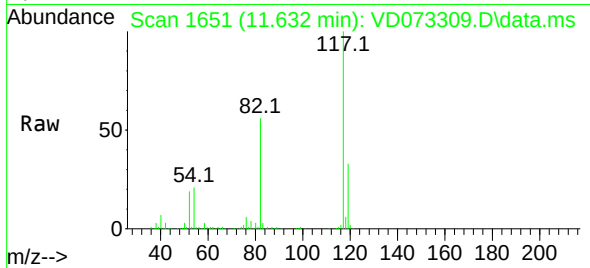




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD073309.D
Acq: 24 May 2022 04:50

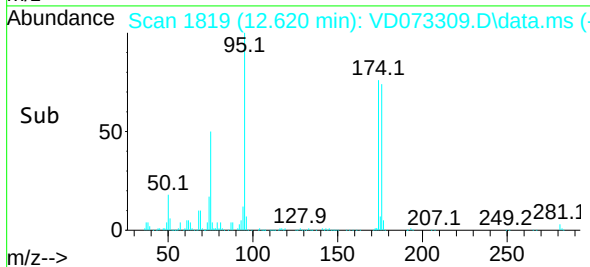
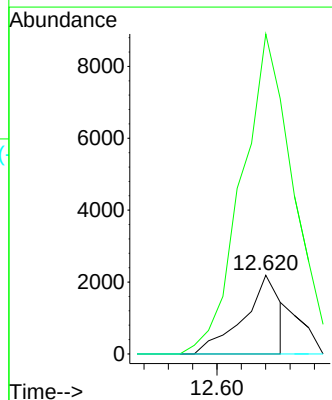
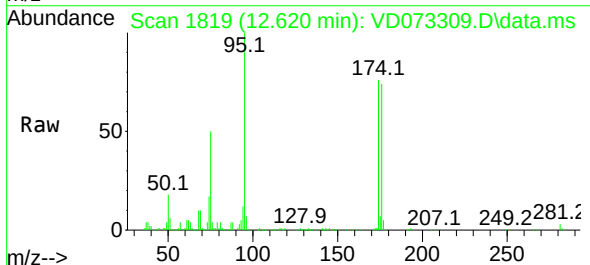
Instrument :
MSVOA_D
ClientSampleId :
P044-SS001-0006-01

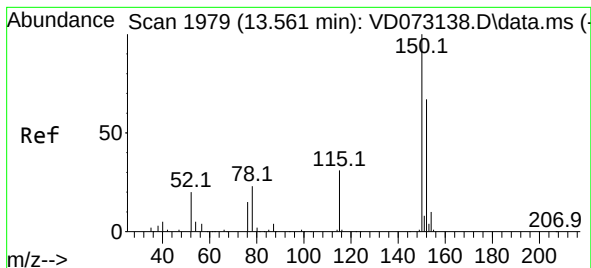
Tgt Ion:117 Resp: 502589
Ion Ratio Lower Upper
117 100
82 56.3 45.3 67.9
119 33.0 26.6 40.0



#71
Bromoform
Concen: 1.168 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD073309.D
Acq: 24 May 2022 04:50

Tgt Ion:173 Resp: 2298
Ion Ratio Lower Upper
173 100
175 445.0 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# 1819

Delta R.T. 0.000 min

Lab File: VD073309.D

Acq: 24 May 2022 04:50

Instrument :

MSVOA_D

ClientSampleId :

P044-SS001-0006-01

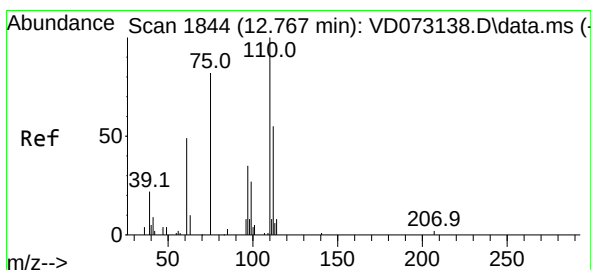
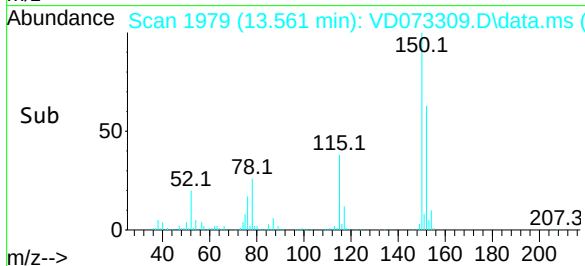
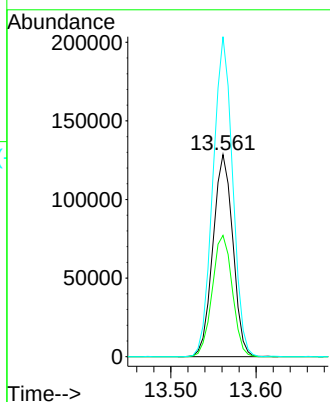
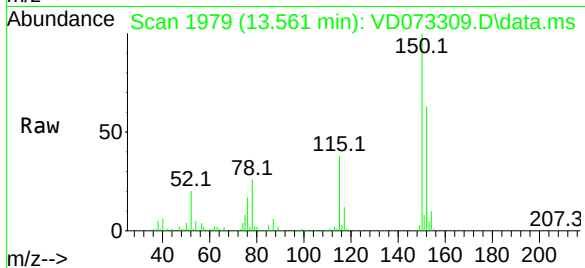
Tgt Ion:152 Resp: 208526

Ion Ratio Lower Upper

152 100

115 60.5 31.3 93.8

150 156.7 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 52.194 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD073309.D

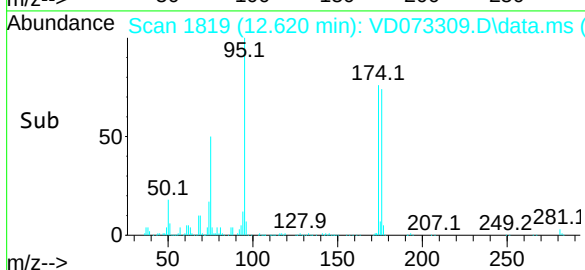
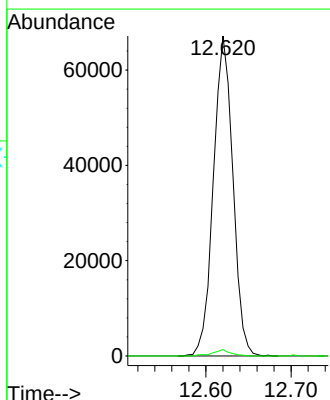
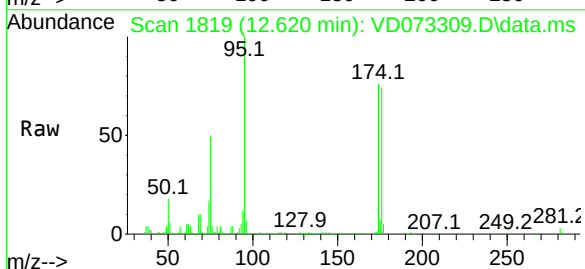
Acq: 24 May 2022 04:50

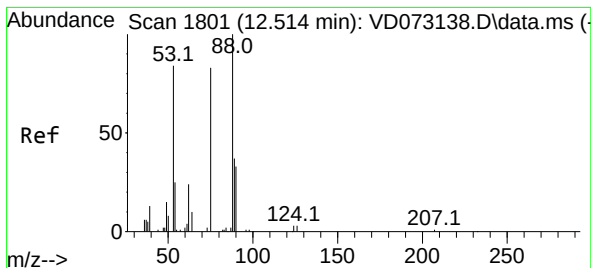
Tgt Ion: 75 Resp: 106789

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#

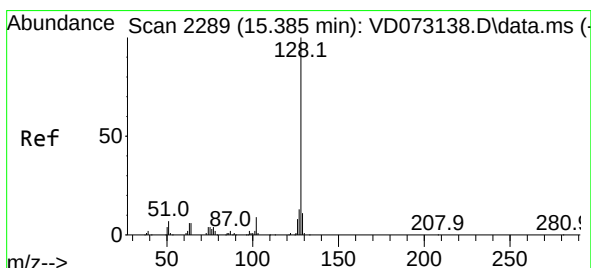
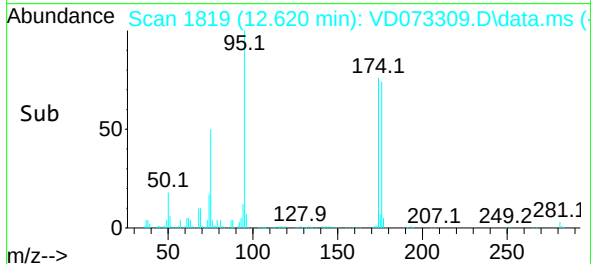
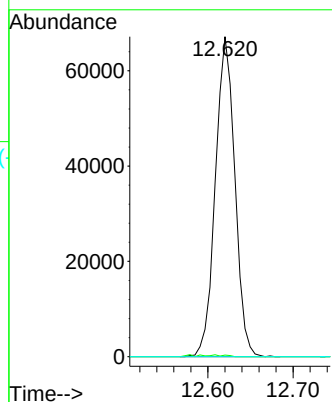
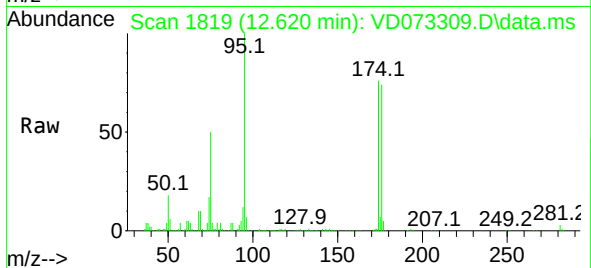




#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.302 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD073309.D
 Acq: 24 May 2022 04:50

Instrument :
 MSVOA_D
 ClientSampleId :
 P044-SS001-0006-01

Tgt Ion: 75 Resp: 106789
 Ion Ratio Lower Upper
 75 100
 53 0.4 86.5 129.7#
 89 0.0 33.9 50.9#



#95
 Naphthalene
 Concen: 3.550 ug/l
 RT: 15.385 min Scan# 2289
 Delta R.T. -0.000 min
 Lab File: VD073309.D
 Acq: 24 May 2022 04:50

Tgt Ion: 128 Resp: 66
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.4 12.6#

