

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052422\
 Data File : VD073332.D
 Acq On : 24 May 2022 18:44
 Operator : VA/SY
 Sample : N2949-19
 Misc : 5.20G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P044-SS002-0006-01

Quant Time: May 25 05:28:53 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)

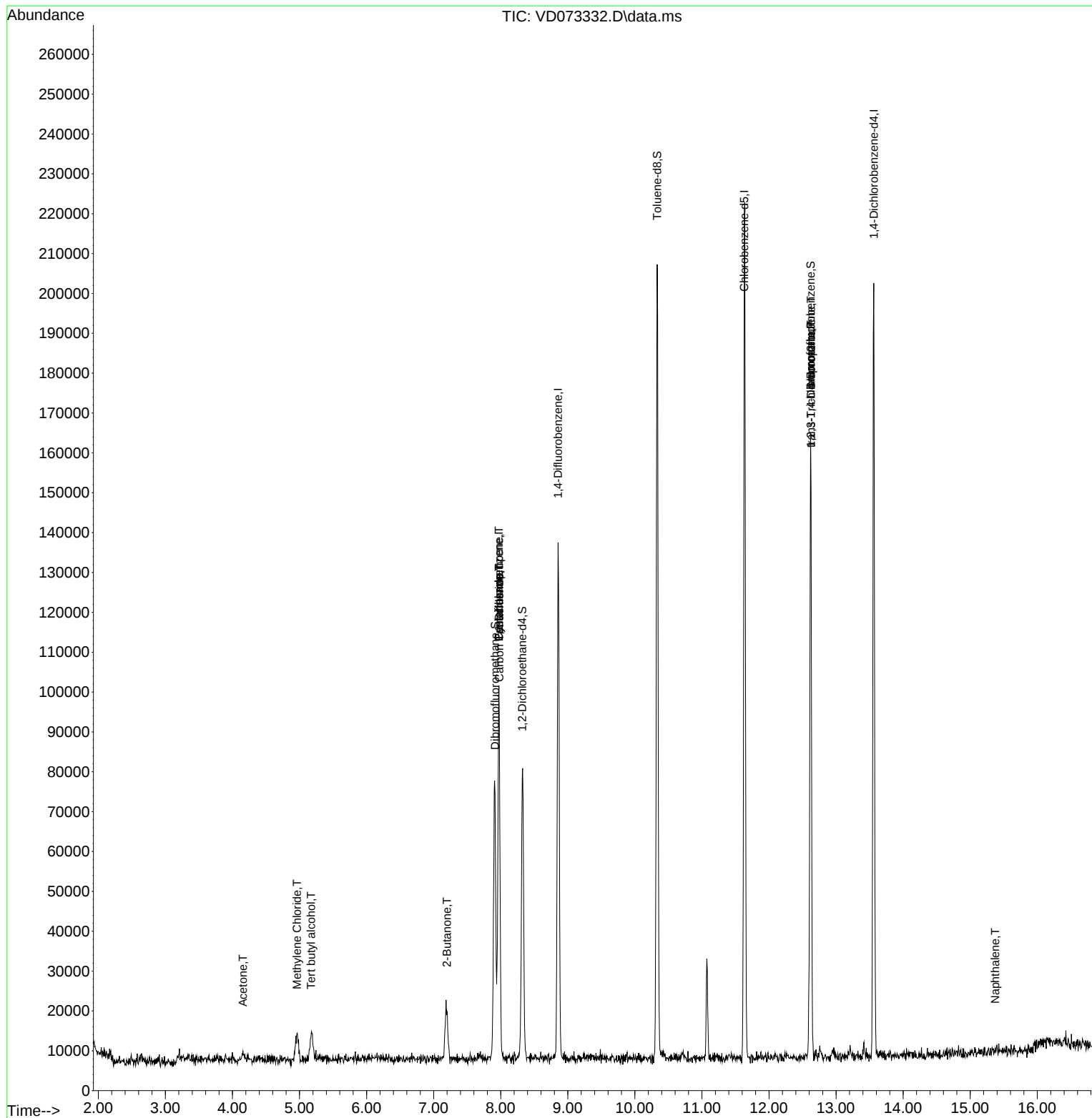
Internal Standards						
1) Pentafluorobenzene	7.973	168	66550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	109342	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	128437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	52377	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	59258	80.571	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 161.140%	
35) Dibromofluoromethane	7.914	113	49746	68.947	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 137.900%	
50) Toluene-d8	10.332	98	138617	52.118	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.240%	
62) 4-Bromofluorobenzene	12.620	95	51388	55.055	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.120%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	474	Below Cal		94
11) Tert butyl alcohol	5.173	59	5964	52.266	ug/l #	74
16) Acetone	4.156	43	2445	19.193	ug/l	98
20) Methylene Chloride	4.962	84	4631	1.889	ug/l #	77
25) 2-Butanone	7.197	43	600	3.219	ug/l #	52
31) Cyclohexane	7.973	56	1654	1.287	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	5895	5.432	ug/l #	48
38) Carbon Tetrachloride	7.979	117	6824	6.204	ug/l #	13
71) Bromoform	12.620	173	747	1.485	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	25418	49.460	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	25418	118.739	ug/l #	7
95) Naphthalene	15.373	128	65	3.577	ug/l #	70

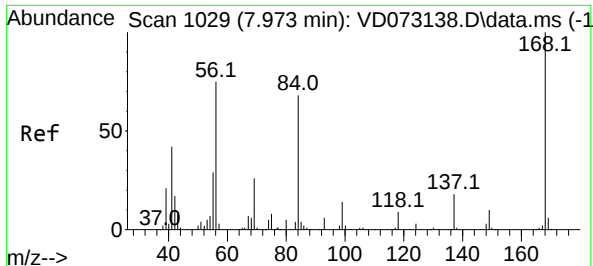
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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P044-SS002-0006-01

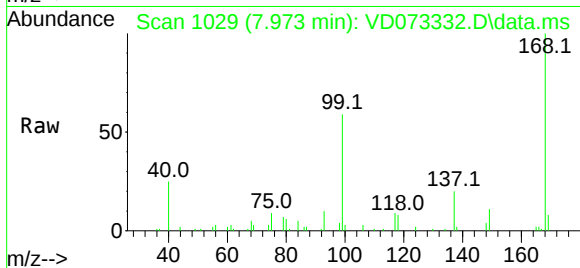
Quant Time: May 25 05:28:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
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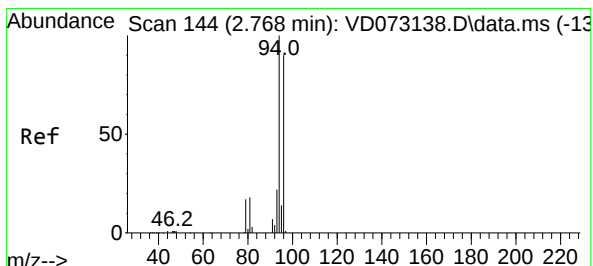
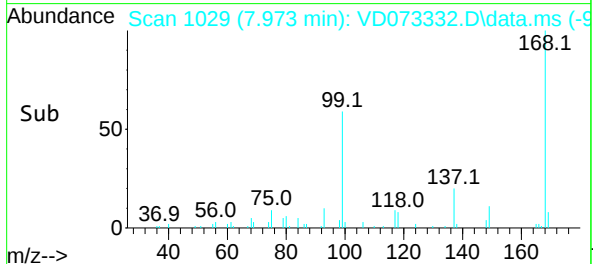
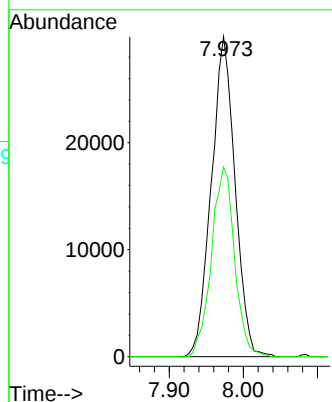


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073332.D
Acq: 24 May 2022 18:44

Instrument :
MSVOA_D
ClientSampleId :
P044-SS002-0006-01

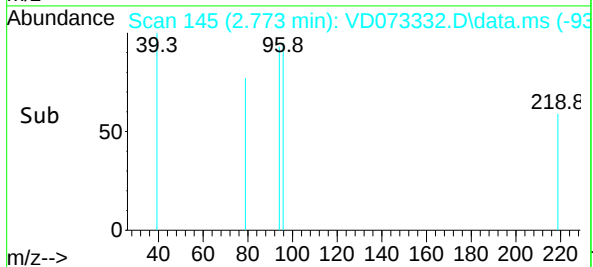
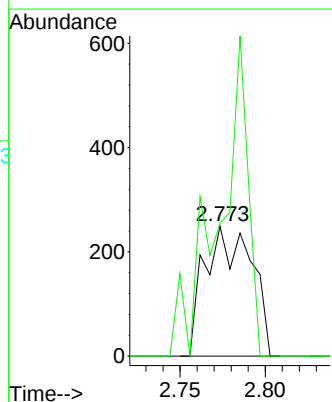
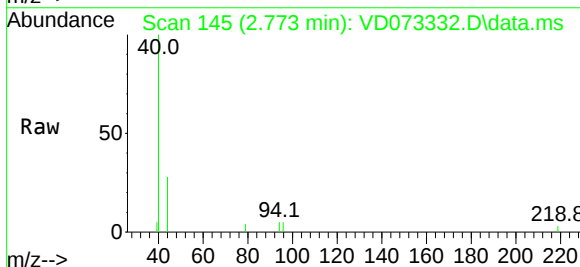


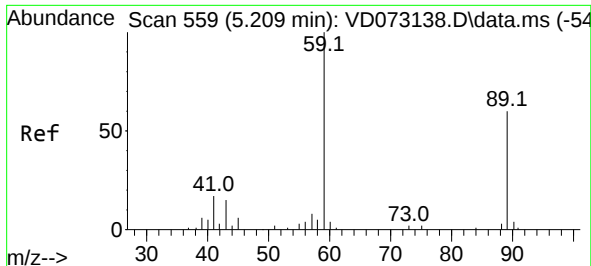
Tgt Ion:168 Resp: 66550
Ion Ratio Lower Upper
168 100
99 59.3 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073332.D
Acq: 24 May 2022 18:44

Tgt Ion: 94 Resp: 474
Ion Ratio Lower Upper
94 100
96 102.4 77.6 116.4





#11

Tert butyl alcohol

Concen: 52.266 ug/l

RT: 5.173 min Scan# 5

Delta R.T. -0.036 min

Lab File: VD073332.D

Acq: 24 May 2022 18:44

Instrument :

MSVOA_D

ClientSampleId :

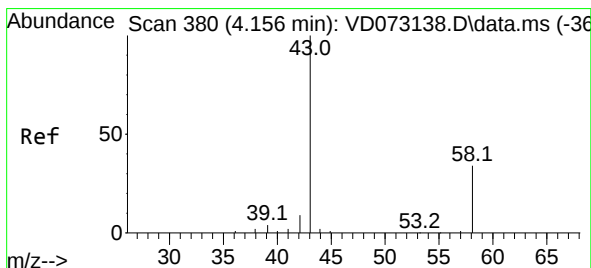
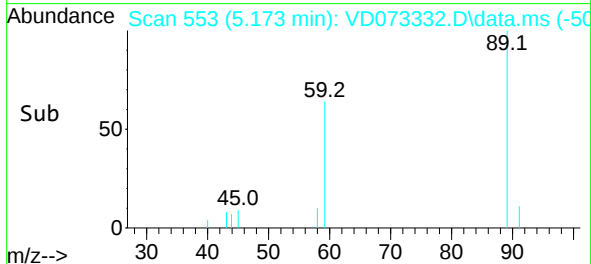
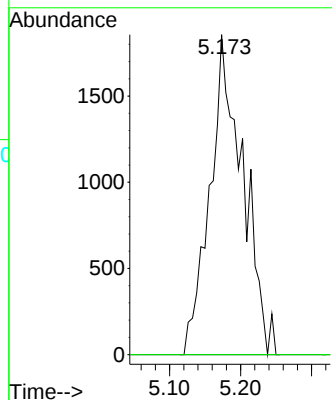
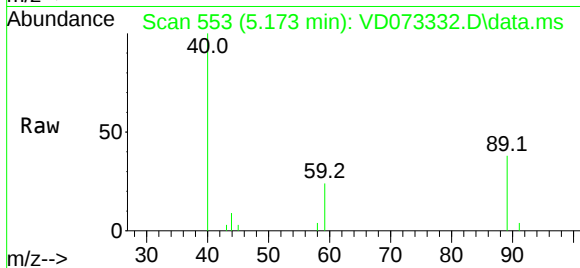
P044-SS002-0006-01

Tgt Ion: 59 Resp: 5964

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 19.193 ug/l

RT: 4.156 min Scan# 380

Delta R.T. -0.000 min

Lab File: VD073332.D

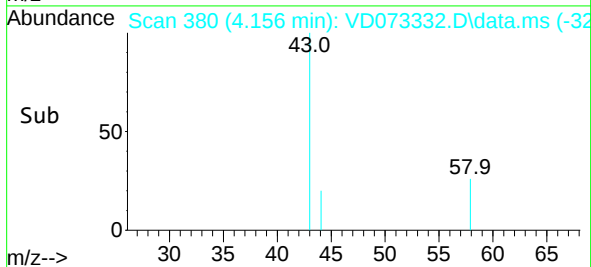
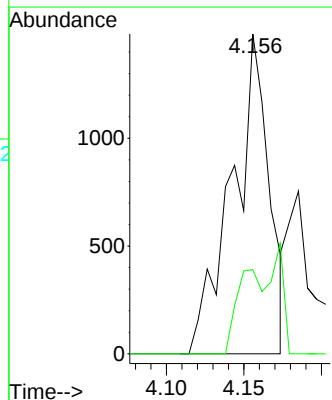
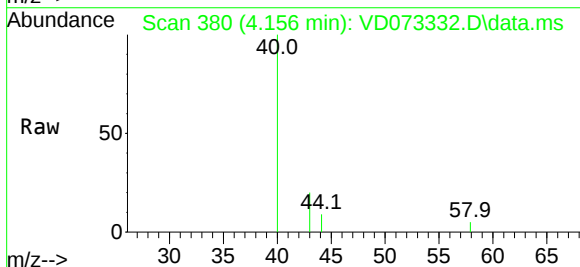
Acq: 24 May 2022 18:44

Tgt Ion: 43 Resp: 2445

Ion Ratio Lower Upper

43 100

58 26.3 22.1 33.1





#20

Methylene Chloride

Concen: 1.889 ug/l

RT: 4.962 min Scan# 517

Delta R.T. -0.000 min

Lab File: VD073332.D

Acq: 24 May 2022 18:44

Instrument :

MSVOA_D

ClientSampleId :

P044-SS002-0006-01

Tgt Ion: 84 Resp: 4631

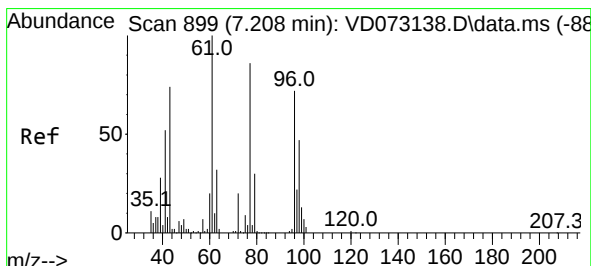
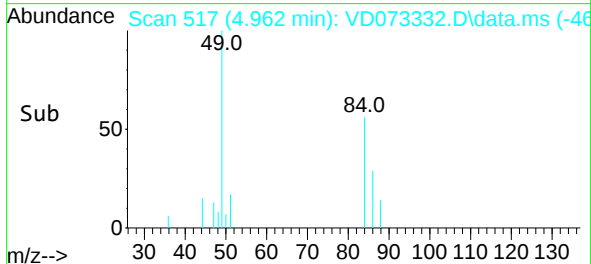
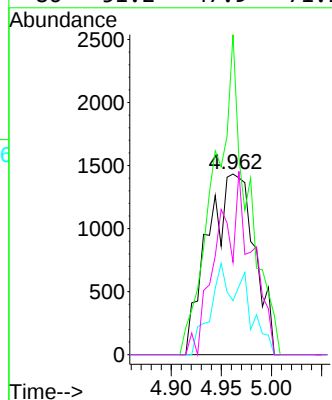
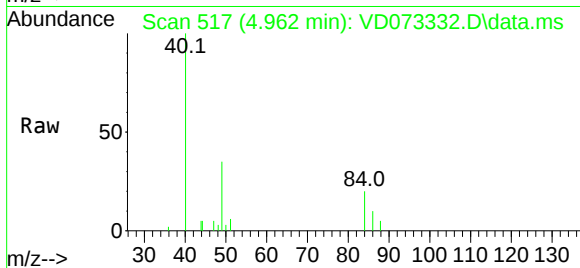
Ion Ratio Lower Upper

84 100

49 177.1 112.8 169.2#

51 29.9 32.6 48.8#

86 51.2 47.9 71.9



#25

2-Butanone

Concen: 3.219 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.011 min

Lab File: VD073332.D

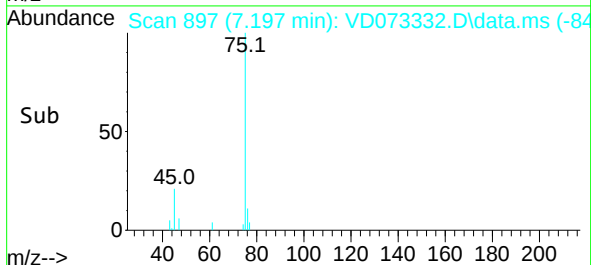
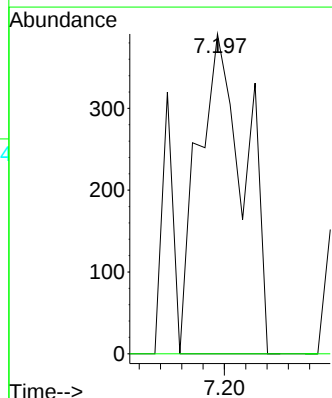
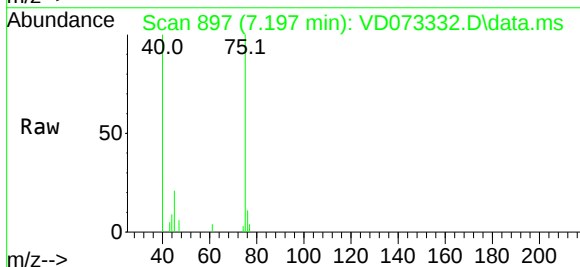
Acq: 24 May 2022 18:44

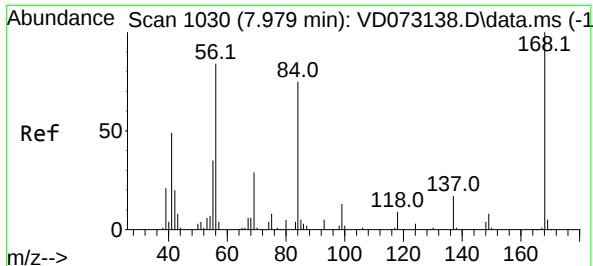
Tgt Ion: 43 Resp: 600

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.287 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073332.D

Acq: 24 May 2022 18:44

Instrument :

MSVOA_D

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P044-SS002-0006-01

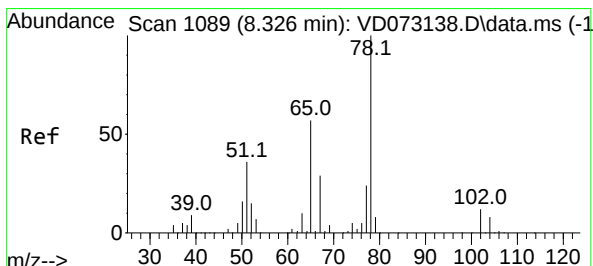
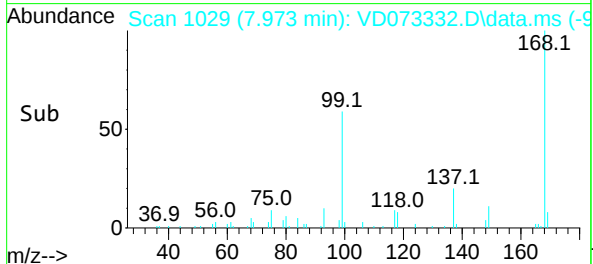
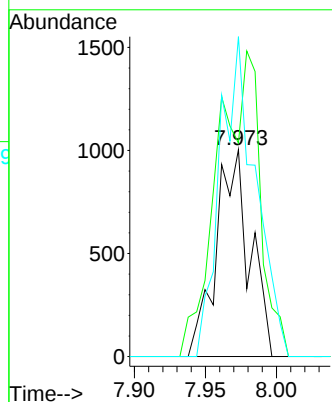
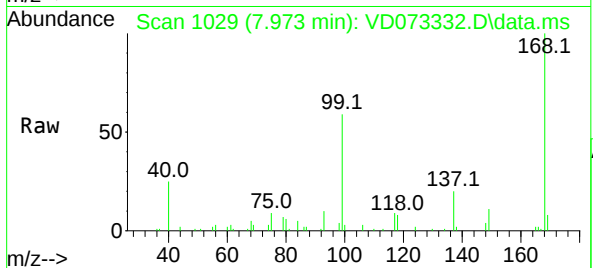
Tgt Ion: 56 Resp: 1654

Ion Ratio Lower Upper

56 100

69 103.2 25.4 38.2#

84 154.6 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 80.571 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD073332.D

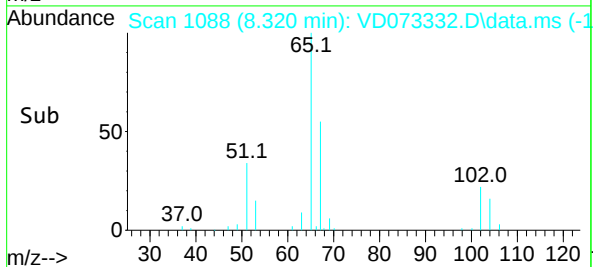
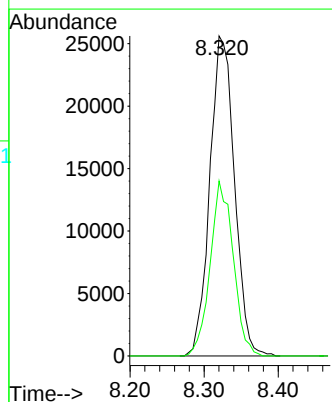
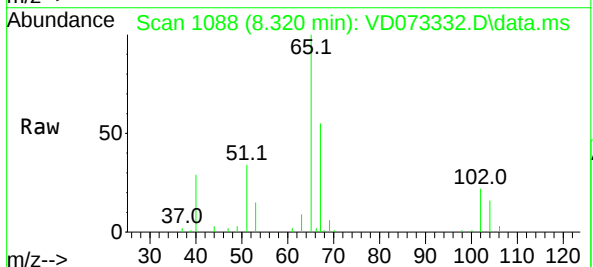
Acq: 24 May 2022 18:44

Tgt Ion: 65 Resp: 59258

Ion Ratio Lower Upper

65 100

67 51.1 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073332.D

Acq: 24 May 2022 18:44

Instrument :

MSVOA_D

ClientSampleId :

P044-SS002-0006-01

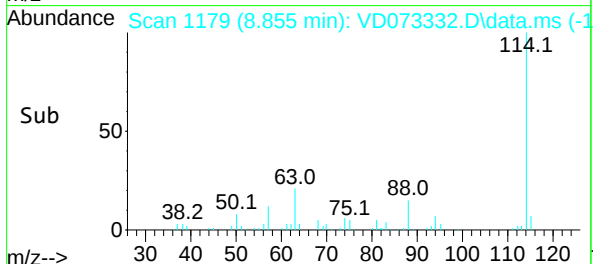
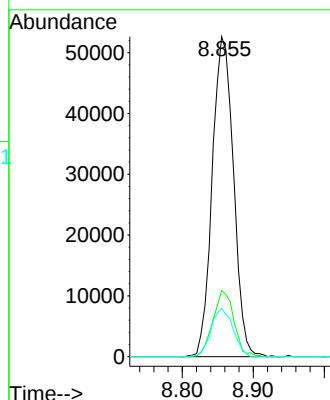
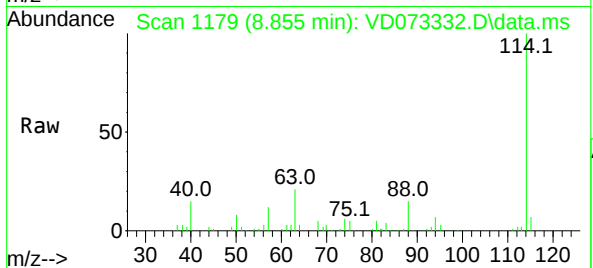
Tgt Ion:114 Resp: 109342

Ion Ratio Lower Upper

114 100

63 20.6 0.0 46.6

88 15.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 68.947 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD073332.D

Acq: 24 May 2022 18:44

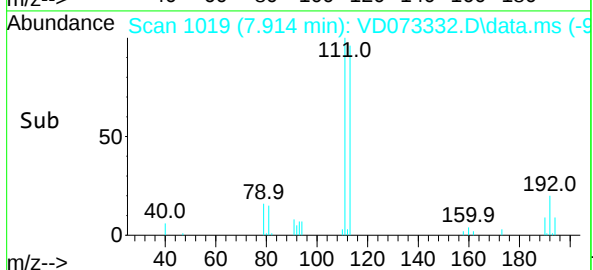
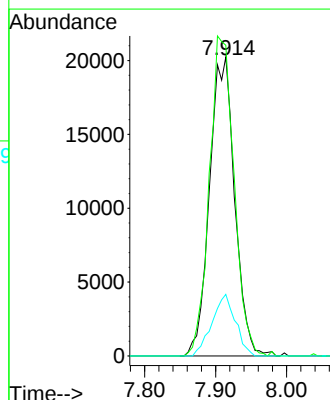
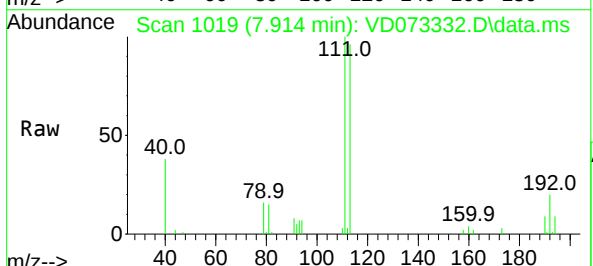
Tgt Ion:113 Resp: 49746

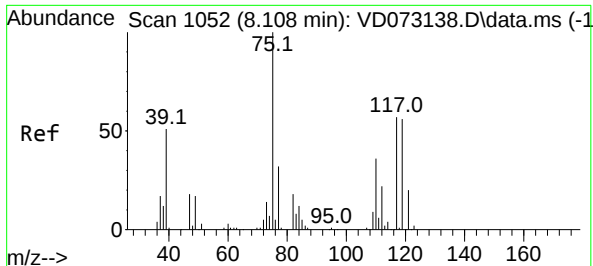
Ion Ratio Lower Upper

113 100

111 105.0 83.8 125.6

192 19.2 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.432 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073332.D

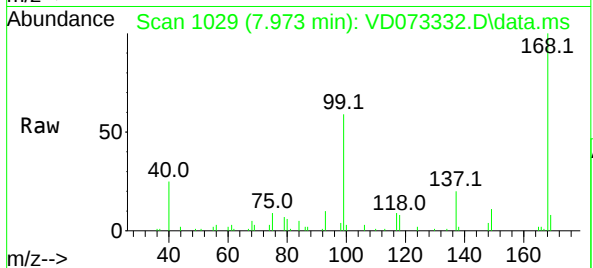
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Instrument :

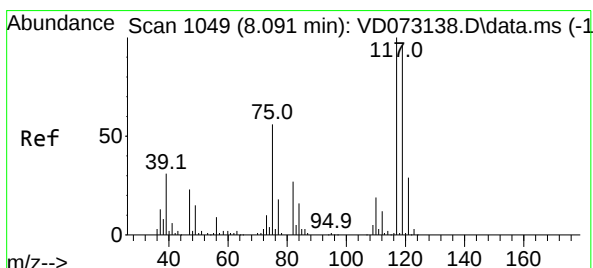
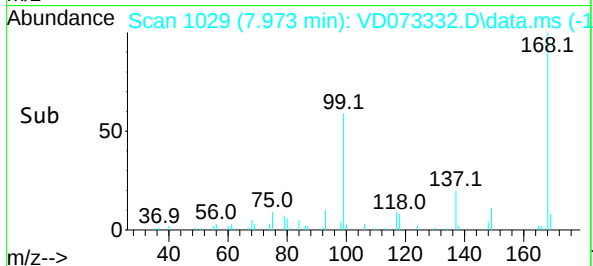
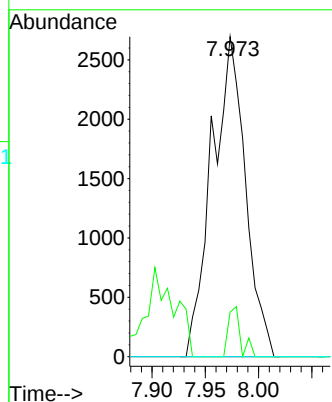
MSVOA_D

ClientSampleId :

P044-SS002-0006-01



Tgt Ion: 75	Resp: 5895
Ion Ratio	Lower Upper
75	100
110	5.7 16.4 49.1#
77	0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 6.204 ug/l

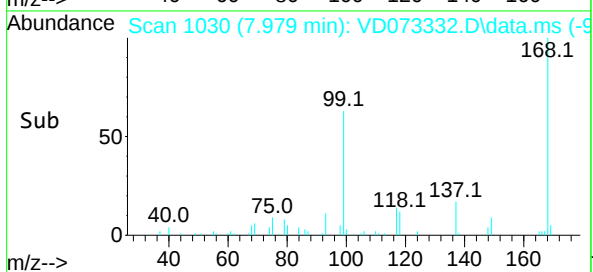
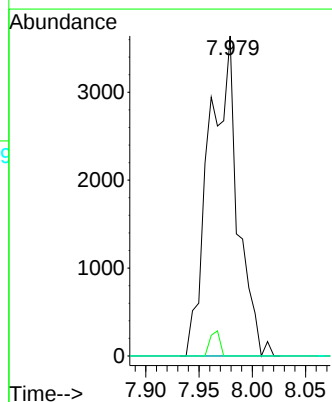
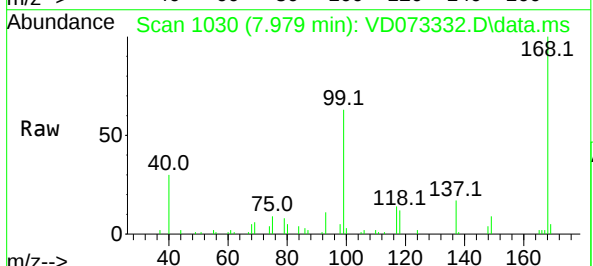
RT: 7.979 min Scan# 1030

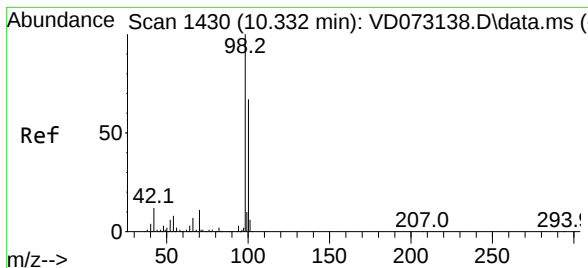
Delta R.T. -0.112 min

Lab File: VD073332.D

Acq: 24 May 2022 18:44

Tgt Ion: 117	Resp: 6824
Ion Ratio	Lower Upper
117	100
119	0.0 75.8 113.6#
121	0.0 24.5 36.7#





#50

Toluene-d8

Concen: 52.118 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073332.D

Acq: 24 May 2022 18:44

Instrument :

MSVOA_D

ClientSampleId :

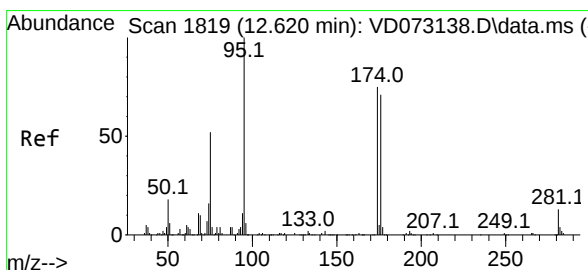
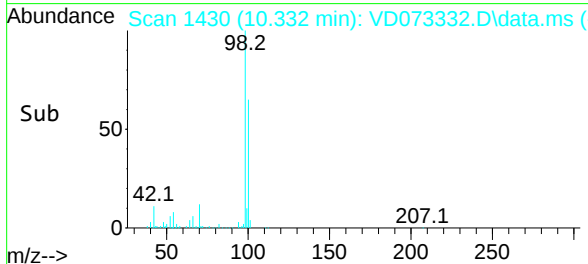
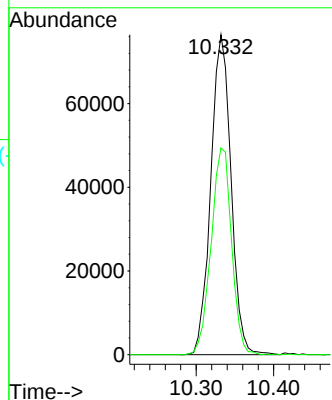
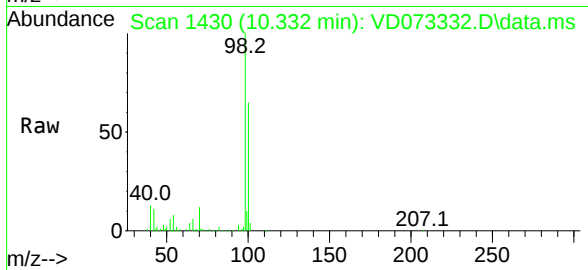
P044-SS002-0006-01

Tgt Ion: 98 Resp: 138617

Ion Ratio Lower Upper

98 100

100 65.4 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 55.055 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.000 min

Lab File: VD073332.D

Acq: 24 May 2022 18:44

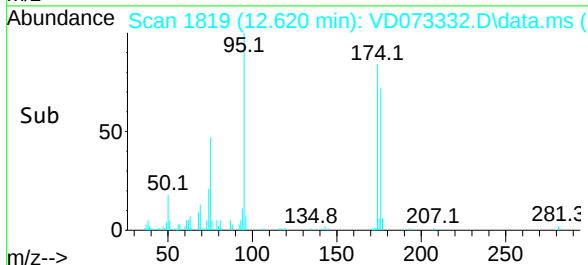
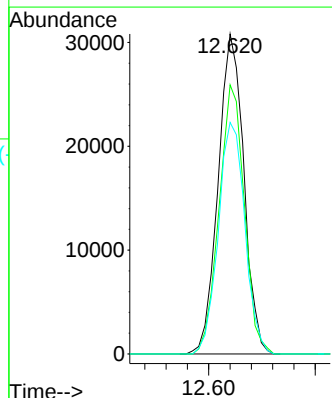
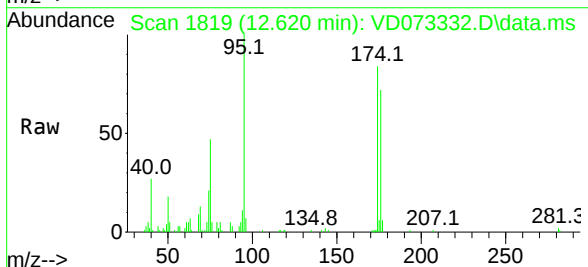
Tgt Ion: 95 Resp: 51388

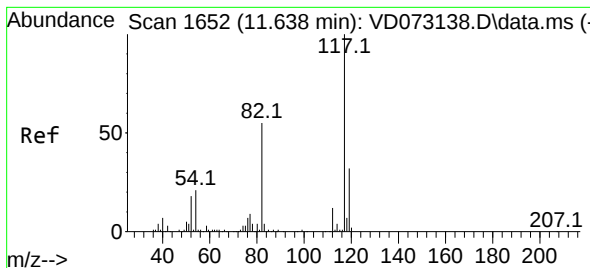
Ion Ratio Lower Upper

95 100

174 82.9 0.0 152.8

176 74.9 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.632 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD073332.D

Acq: 24 May 2022 18:44

Instrument :

MSVOA_D

ClientSampleId :

P044-SS002-0006-01

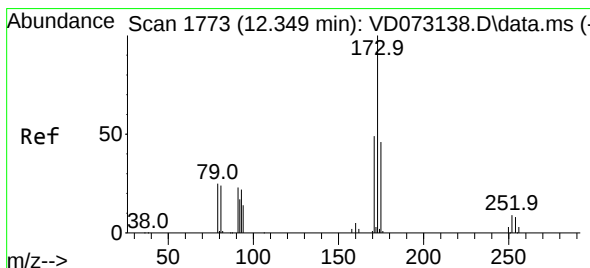
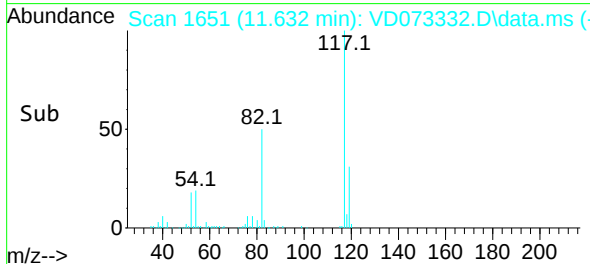
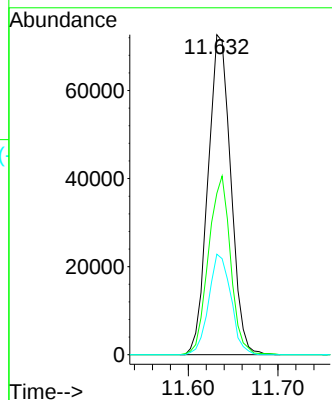
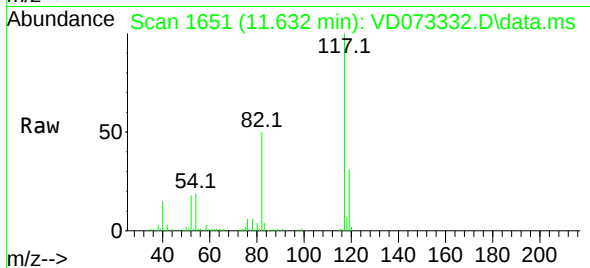
Tgt Ion:117 Resp: 128437

Ion Ratio Lower Upper

117 100

82 50.4 45.3 67.9

119 31.4 26.6 40.0



#71

Bromoform

Concen: 1.485 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.271 min

Lab File: VD073332.D

Acq: 24 May 2022 18:44

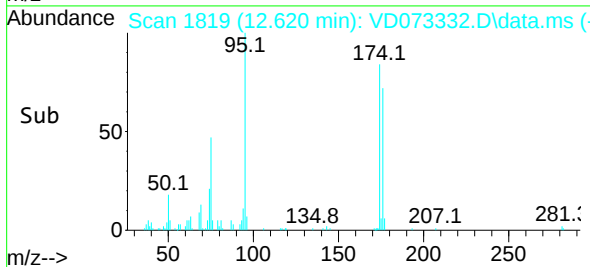
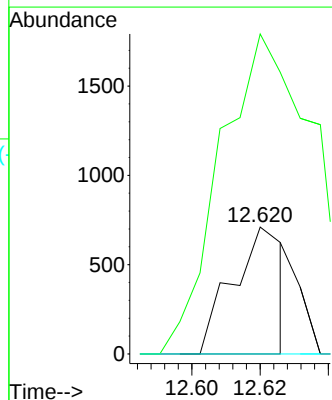
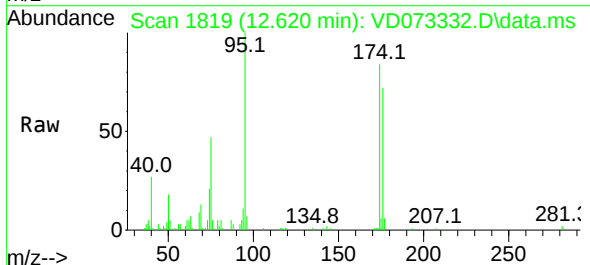
Tgt Ion:173 Resp: 747

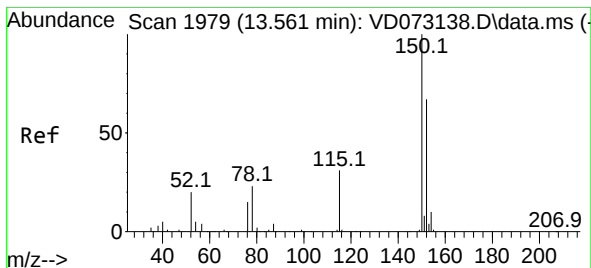
Ion Ratio Lower Upper

173 100

175 311.4 23.9 71.8#

254 0.0 0.0 0.0

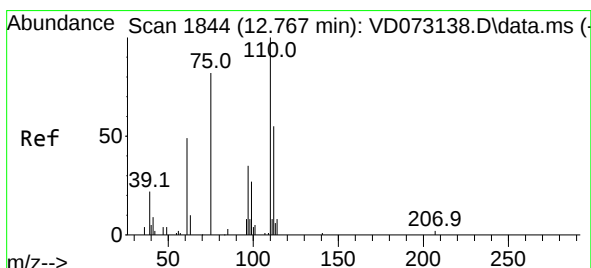
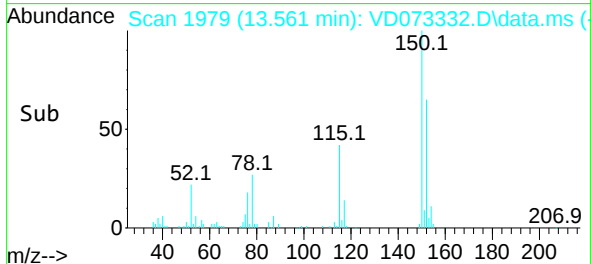
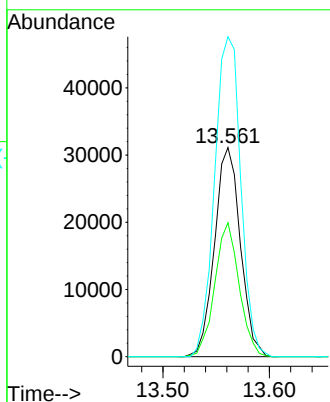
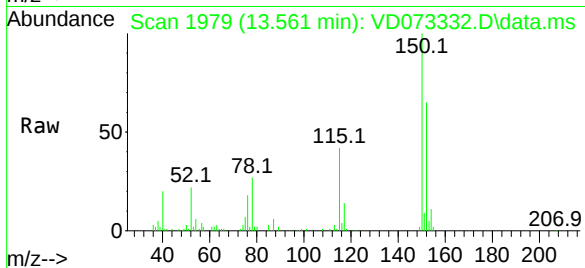




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073332.D
 Acq: 24 May 2022 18:44

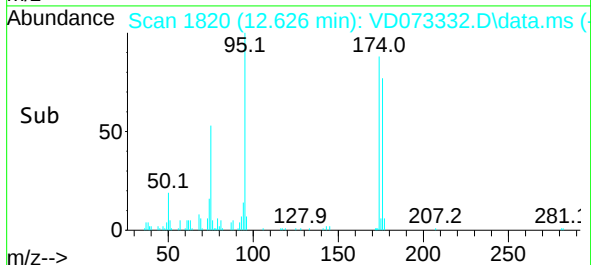
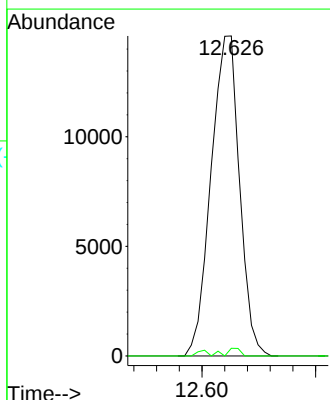
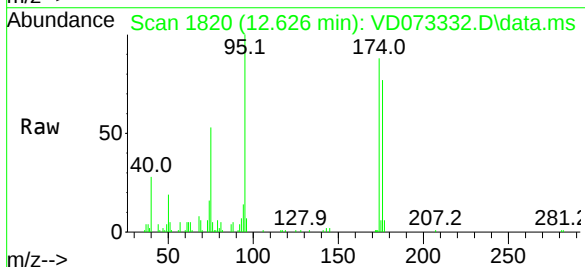
Instrument :
 MSVOA_D
 ClientSampleId :
 P044-SS002-0006-01

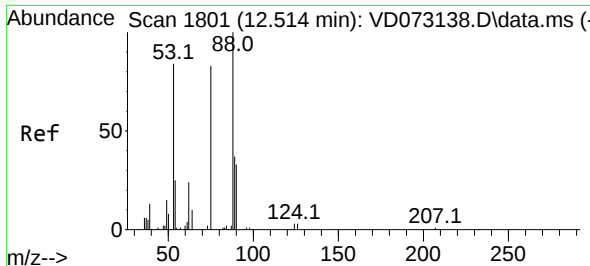
Tgt Ion:152 Resp: 52377
 Ion Ratio Lower Upper
 152 100
 115 60.5 31.3 93.8
 150 155.1 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 49.460 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.141 min
 Lab File: VD073332.D
 Acq: 24 May 2022 18:44

Tgt Ion: 75 Resp: 25418
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

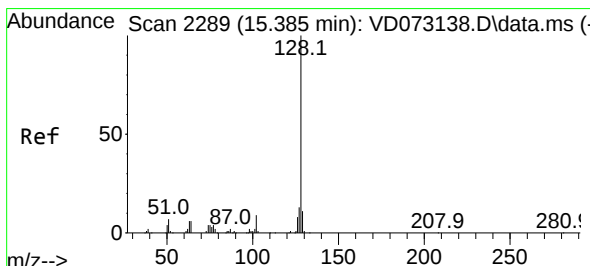
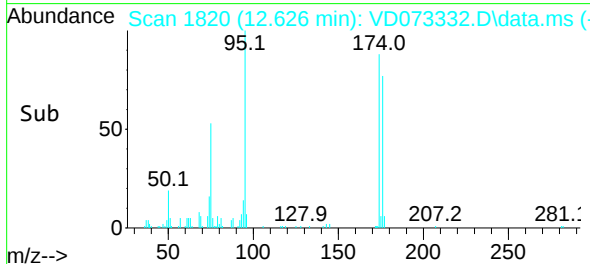
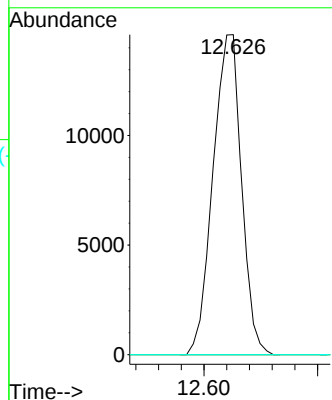
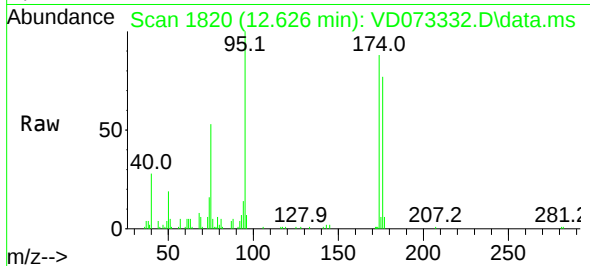




#81
trans-1,4-Dichloro-2-butene
Concen: 118.739 ug/l
RT: 12.626 min Scan# 1801
Delta R.T. 0.112 min
Lab File: VD073332.D
Acq: 24 May 2022 18:44

Instrument :
MSVOA_D
ClientSampleId :
P044-SS002-0006-01

Tgt Ion: 75 Resp: 25418
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.577 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.012 min
Lab File: VD073332.D
Acq: 24 May 2022 18:44

Tgt Ion: 128 Resp: 65
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

