

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072122\
 Data File : VD073898.D
 Acq On : 21 Jul 2022 16:01
 Operator : VA/SY
 Sample : N3814-03
 Misc : 5.51G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ENV-DE-4(10-15)

Quant Time: Jul 22 01:19:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 20 15:29:08 2022
 Response via : Initial Calibration

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

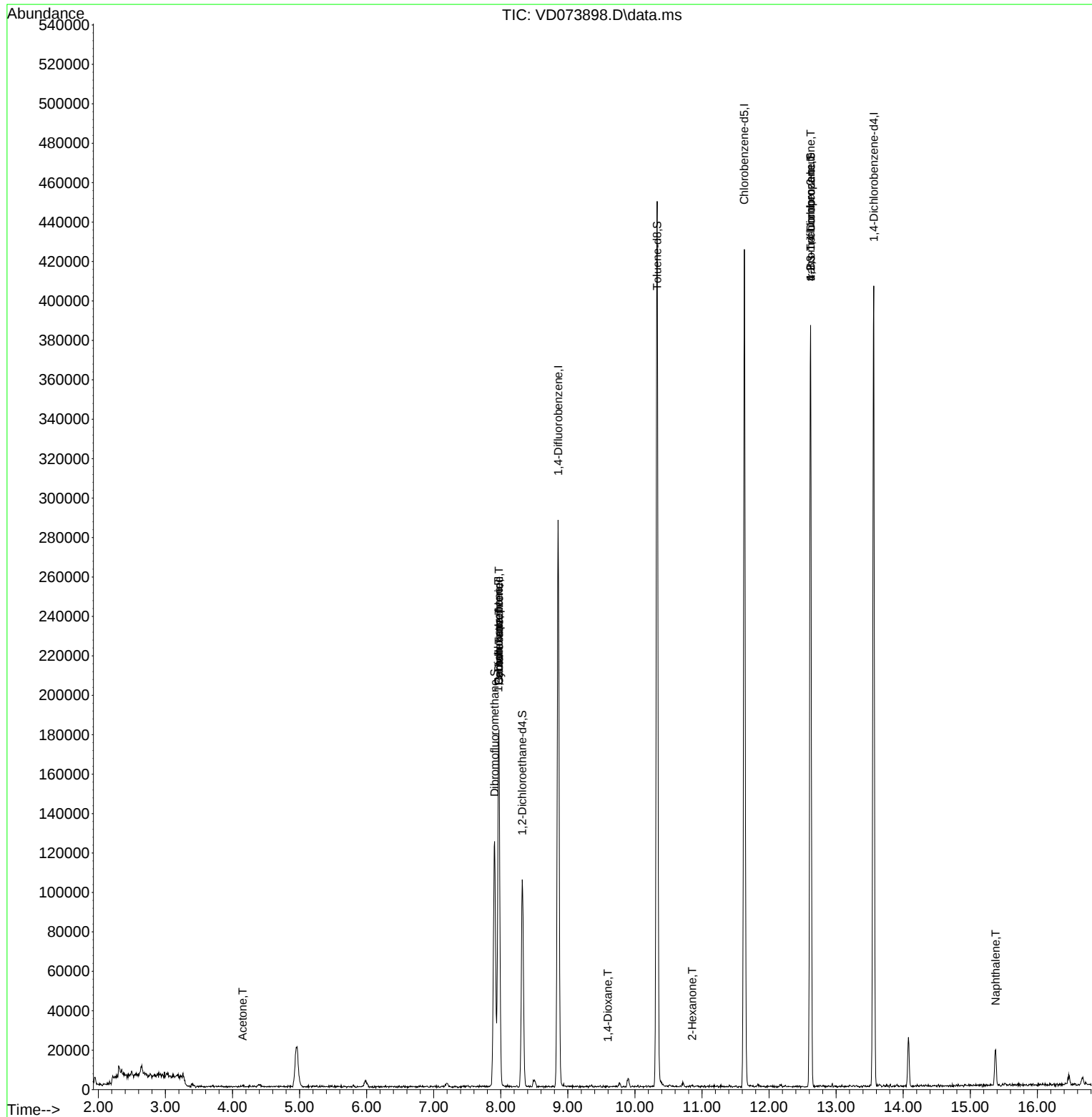
Internal Standards						
1) Pentafluorobenzene	7.973	168	126195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	238214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	233302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	102873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	82202	54.550	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.100%	
35) Dibromofluoromethane	7.908	113	87711	52.192	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.380%	
50) Toluene-d8	10.332	98	299125	49.031	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.060%	
62) 4-Bromofluorobenzene	12.620	95	103383	49.287	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.580%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	967	Below Cal		96
11) Tert butyl alcohol	5.232	59	481	Below Cal	#	74
16) Acetone	4.150	43	922	3.729	ug/l #	82
18) Methyl Acetate	4.920	43	64	Below Cal	#	55
20) Methylene Chloride	4.944	84	9008	Below Cal	#	75
31) Cyclohexane	7.973	56	3188	1.331	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	10699	4.413	ug/l #	53
38) Carbon Tetrachloride	7.973	117	13680	4.941	ug/l #	16
49) 1,4-Dioxane	9.596	88	54	5.337	ug/l #	21
59) 2-Hexanone	10.855	43	630	1.059	ug/l #	27
76) 1,2,3-Trichloropropane	12.620	75	57958	52.508	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	57958	141.691	ug/l #	7
95) Naphthalene	15.379	128	16205	4.714	ug/l	97

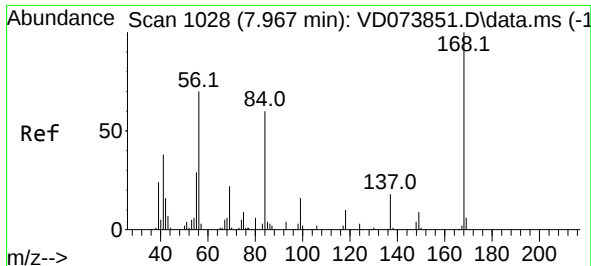
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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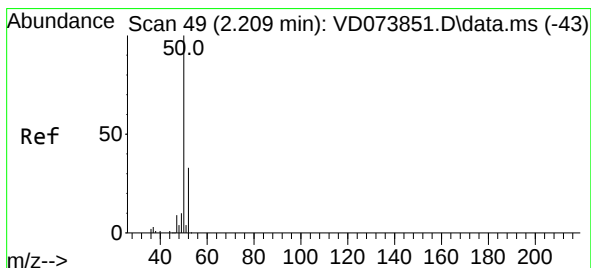
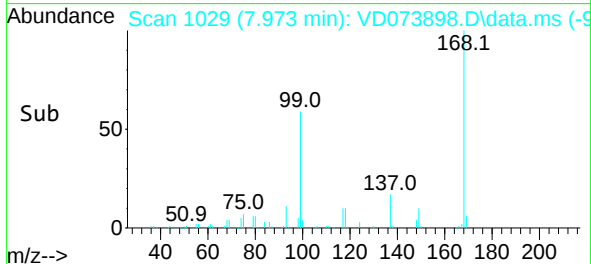
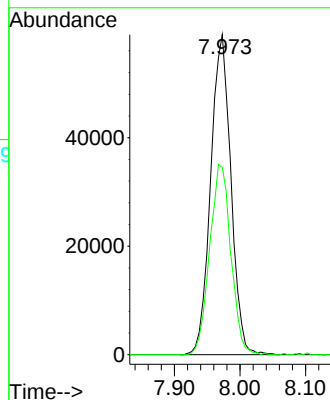
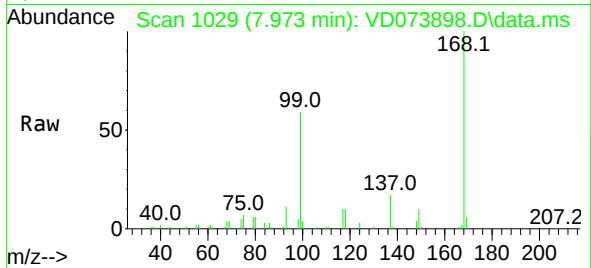




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD073898.D
Acq: 21 Jul 2022 16:01

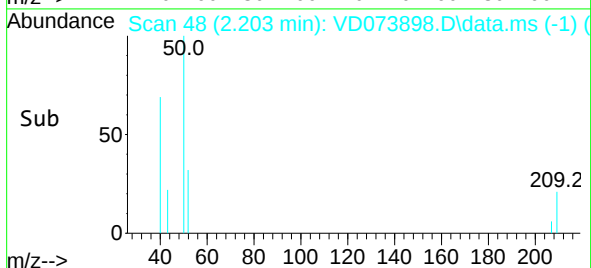
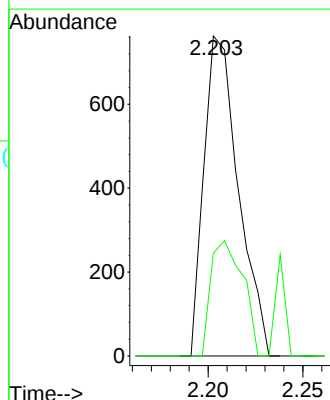
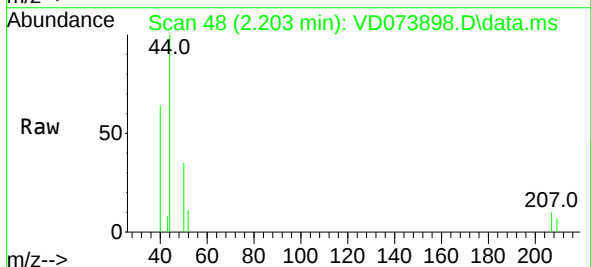
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-4(10-15)

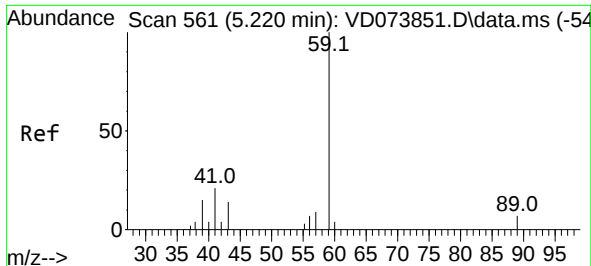
Tgt Ion:168 Resp: 126195
Ion Ratio Lower Upper
168 100
99 58.6 49.8 74.6



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD073898.D
Acq: 21 Jul 2022 16:01

Tgt Ion: 50 Resp: 967
Ion Ratio Lower Upper
50 100
52 32.1 27.4 41.0





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.232 min Scan# 5

Delta R.T. 0.012 min

Lab File: VD073898.D

Acq: 21 Jul 2022 16:01

Instrument :

MSVOA_D

ClientSampleId :

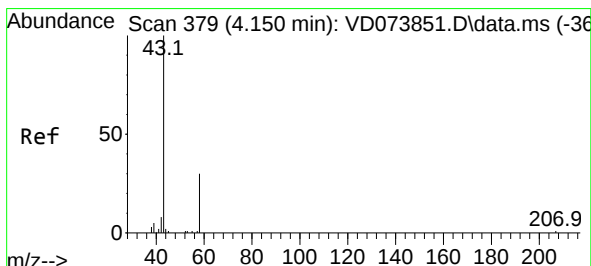
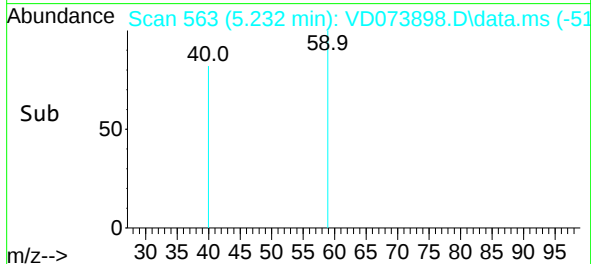
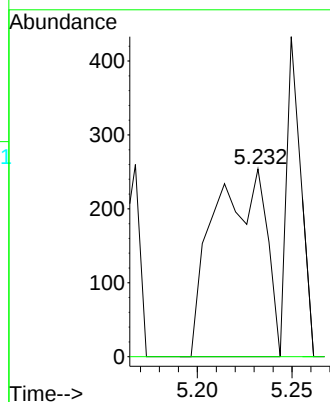
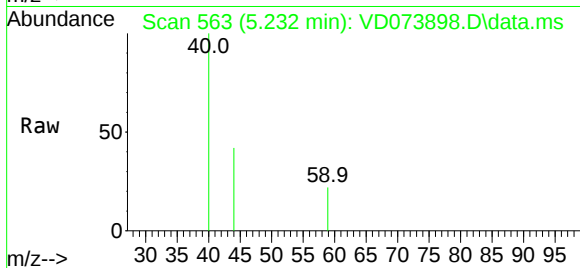
ENV-DE-4(10-15)

Tgt Ion: 59 Resp: 481

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 3.729 ug/l

RT: 4.150 min Scan# 379

Delta R.T. -0.000 min

Lab File: VD073898.D

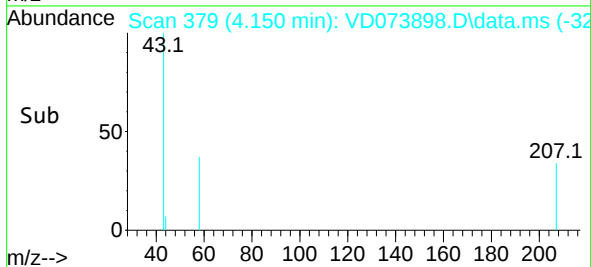
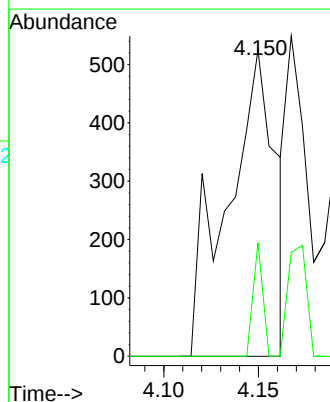
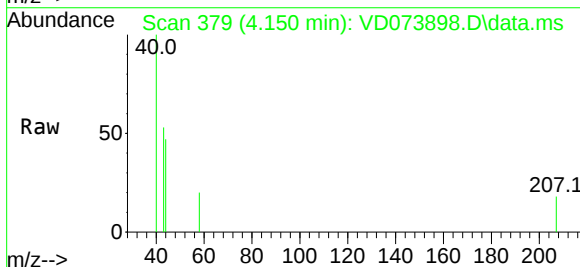
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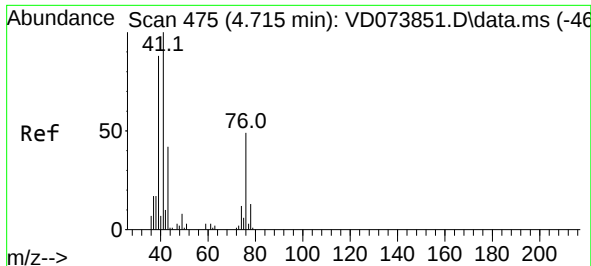
Tgt Ion: 43 Resp: 922

Ion Ratio Lower Upper

43 100

58 37.1 22.1 33.1#

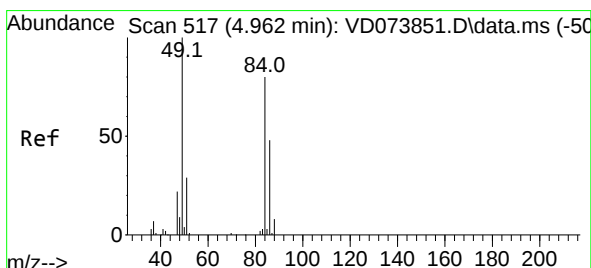
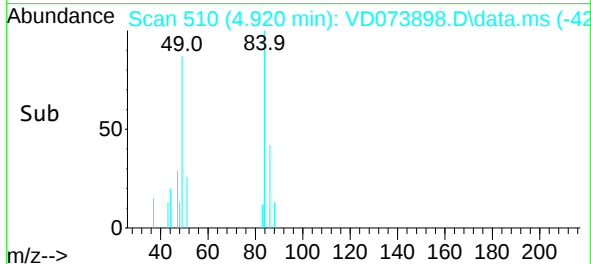
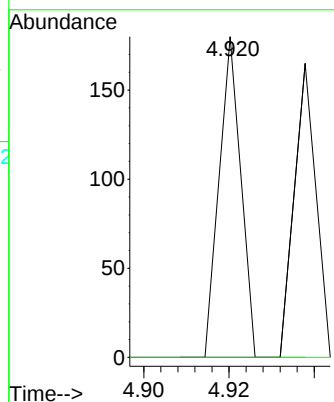
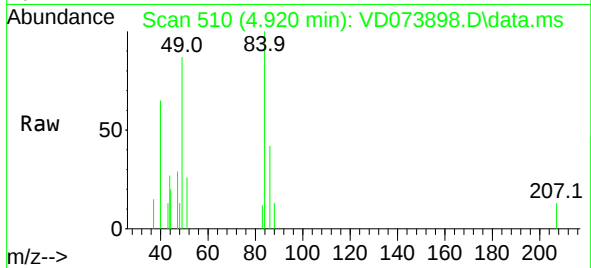




#18
Methyl Acetate
Concen: Below Cal
RT: 4.920 min Scan# 514
Delta R.T. 0.205 min
Lab File: VD073898.D
Acq: 21 Jul 2022 16:01

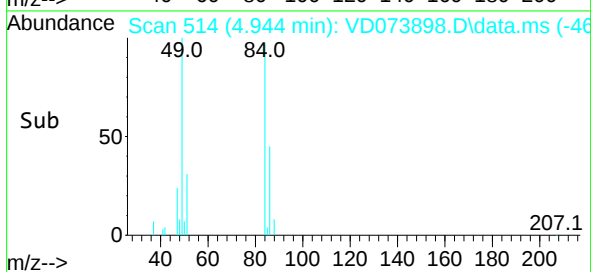
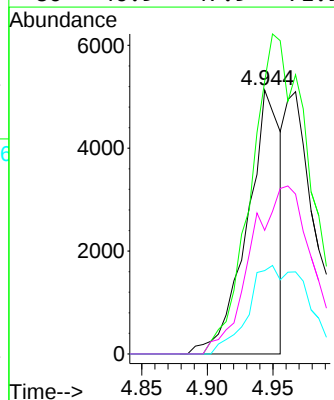
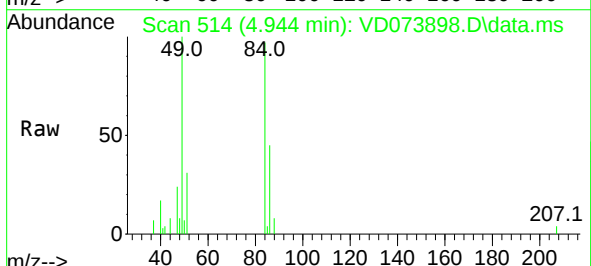
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-4(10-15)

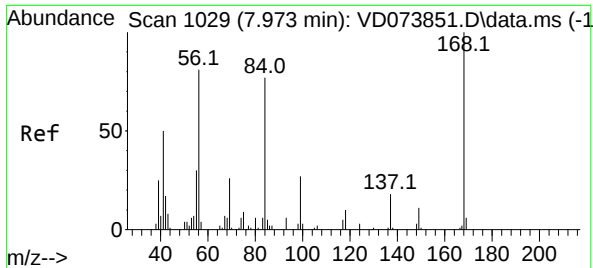
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.944 min Scan# 514
Delta R.T. -0.018 min
Lab File: VD073898.D
Acq: 21 Jul 2022 16:01

Tgt Ion: 84 Resp: 9008
Ion Ratio Lower Upper
84 100
49 103.3 112.8 169.2#
51 31.6 32.6 48.8#
86 46.9 47.9 71.9#

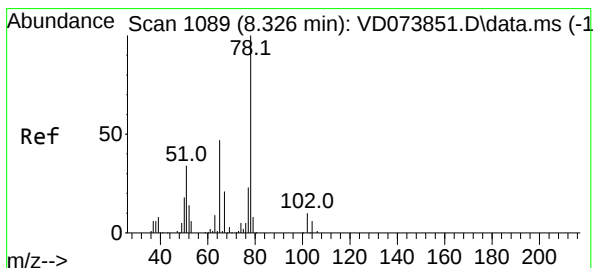
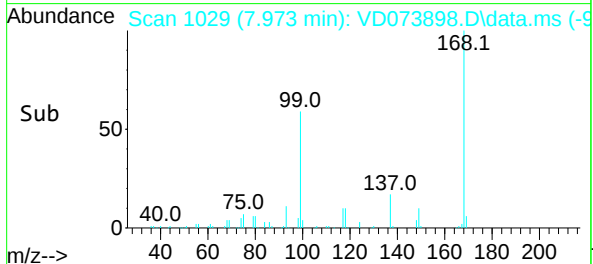
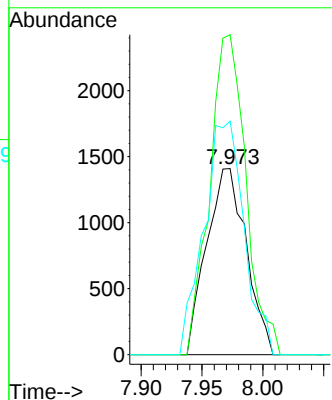
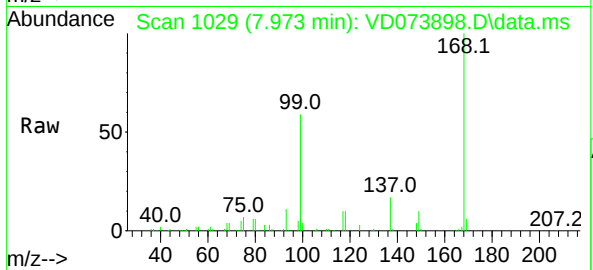




#31
Cyclohexane
Concen: 1.331 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD073898.D
Acq: 21 Jul 2022 16:01

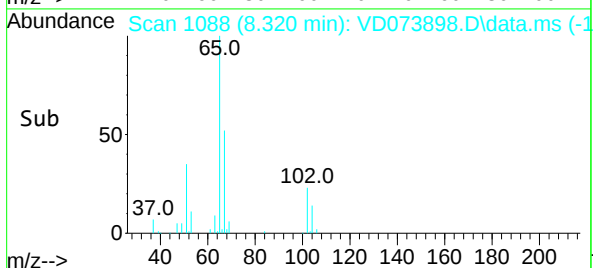
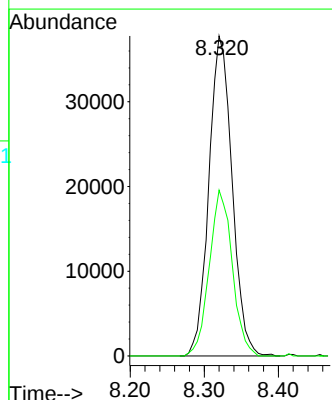
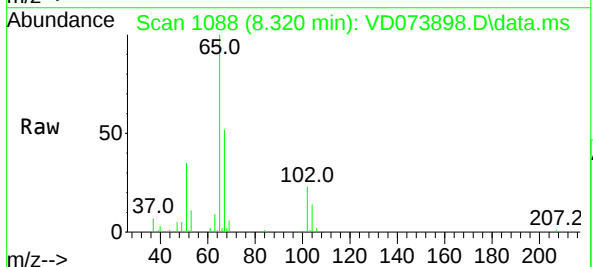
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-4(10-15)

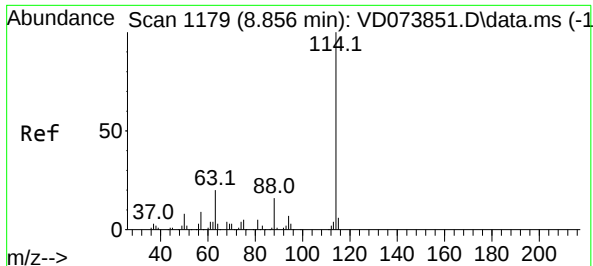
Tgt Ion: 56 Resp: 3188
Ion Ratio Lower Upper
56 100
69 171.9 25.4 38.2#
84 125.5 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 54.550 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073898.D
Acq: 21 Jul 2022 16:01

Tgt Ion: 65 Resp: 82202
Ion Ratio Lower Upper
65 100
67 51.2 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: VD073898.D

Acq: 21 Jul 2022 16:01

Instrument :

MSVOA_D

ClientSampleId :

ENV-DE-4(10-15)

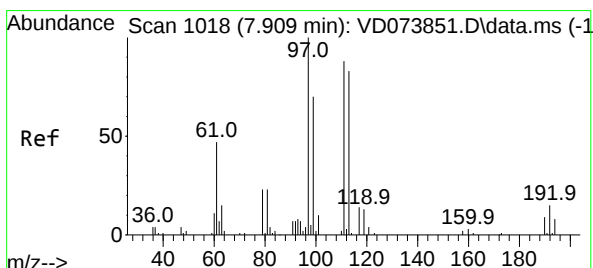
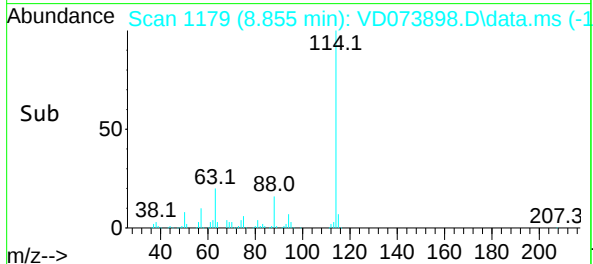
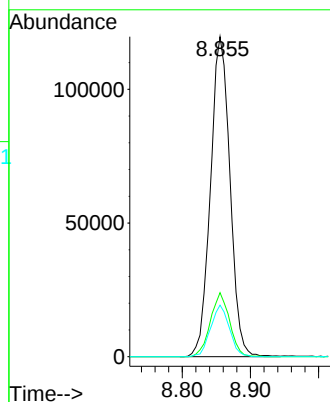
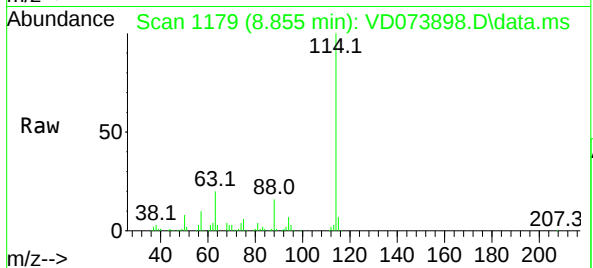
Tgt Ion:114 Resp: 238214

Ion Ratio Lower Upper

114 100

63 20.0 0.0 46.6

88 16.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 52.192 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD073898.D

Acq: 21 Jul 2022 16:01

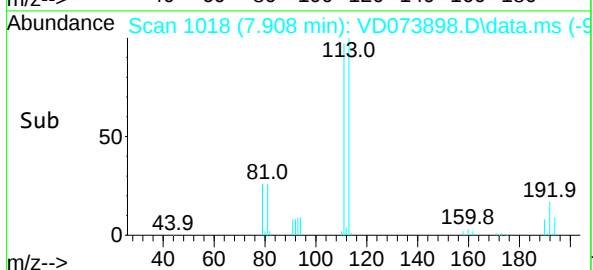
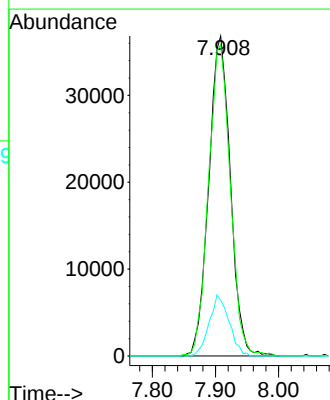
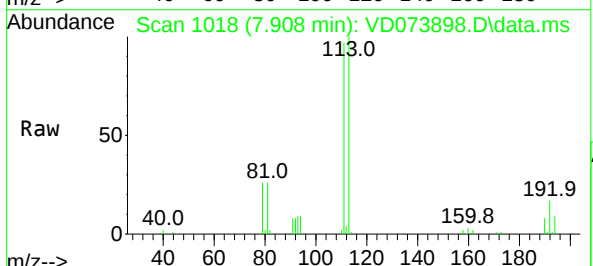
Tgt Ion:113 Resp: 87711

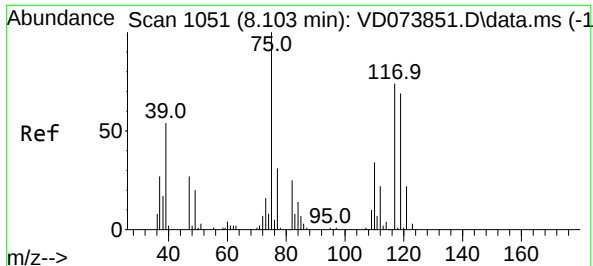
Ion Ratio Lower Upper

113 100

111 98.1 83.8 125.6

192 17.5 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.413 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.136 min

Lab File: VD073898.D

Acq: 21 Jul 2022 16:01

Instrument :

MSVOA_D

ClientSampleId :

ENV-DE-4(10-15)

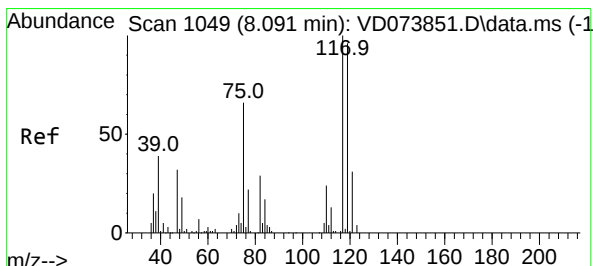
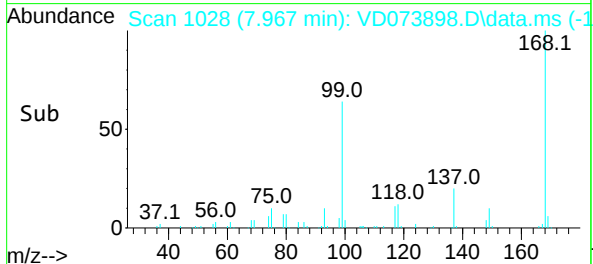
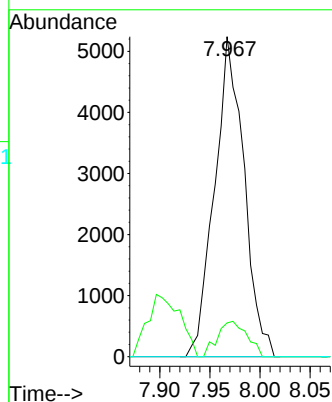
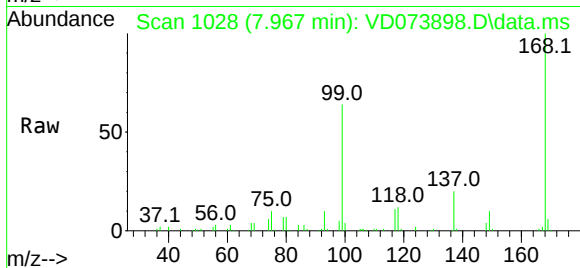
Tgt Ion: 75 Resp: 10699

Ion Ratio Lower Upper

75 100

110 11.1 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.941 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073898.D

Acq: 21 Jul 2022 16:01

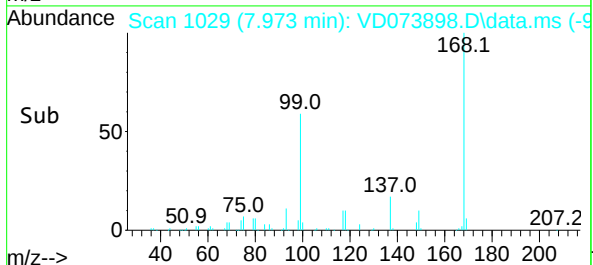
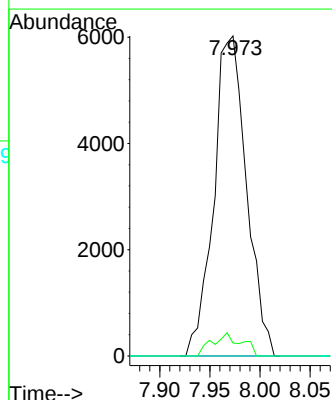
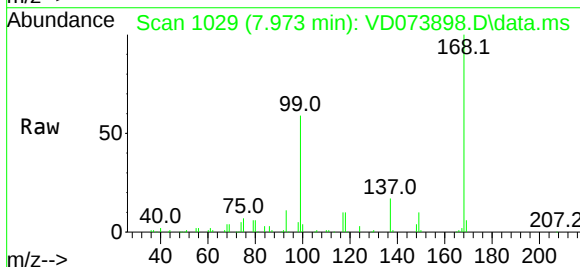
Tgt Ion: 117 Resp: 13680

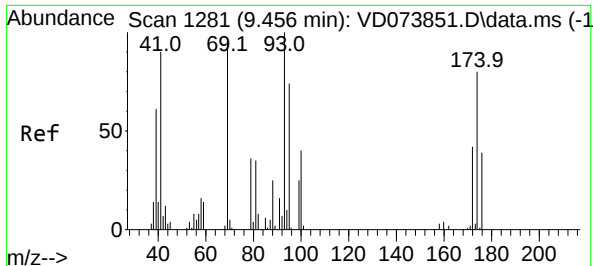
Ion Ratio Lower Upper

117 100

119 4.0 75.8 113.6#

121 0.0 24.5 36.7#





#49

1,4-Dioxane

Concen: 5.337 ug/l

RT: 9.596 min Scan# 11

Delta R.T. 0.141 min

Lab File: VD073898.D

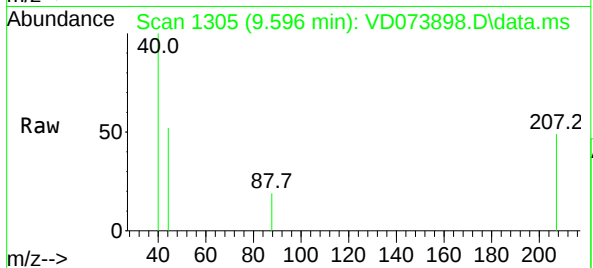
Acq: 21 Jul 2022 16:01

Instrument :

MSVOA_D

ClientSampleId :

ENV-DE-4(10-15)



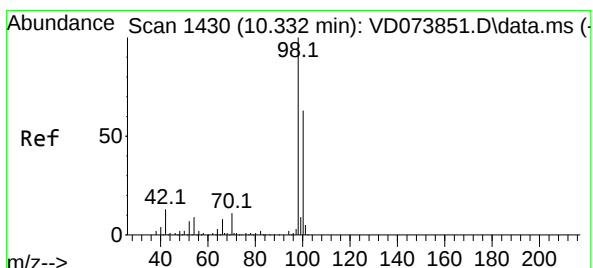
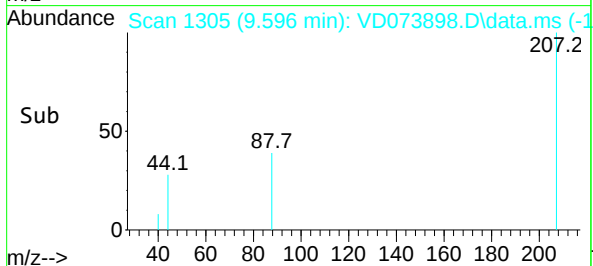
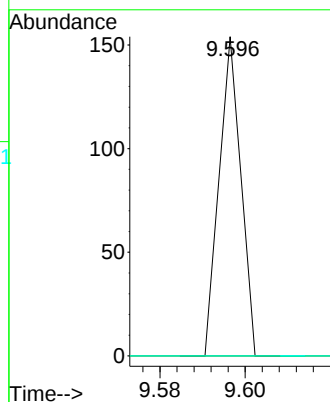
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 0.0 31.0 46.4#

58 0.0 58.1 87.1#



#50

Toluene-d8

Concen: 49.031 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073898.D

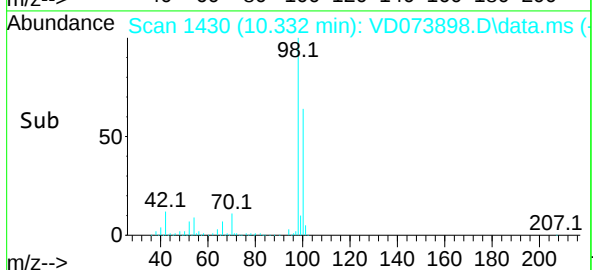
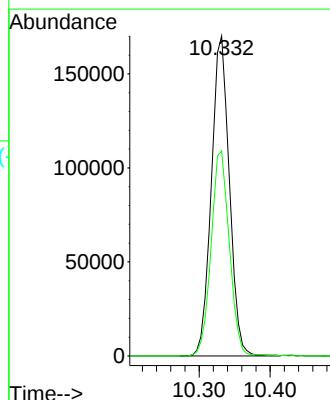
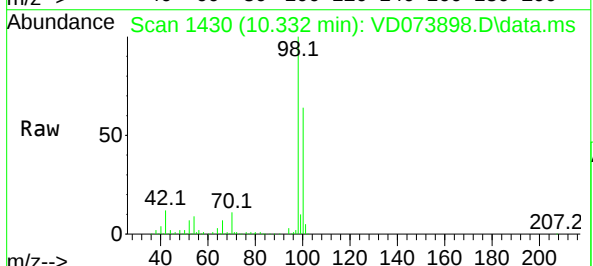
Acq: 21 Jul 2022 16:01

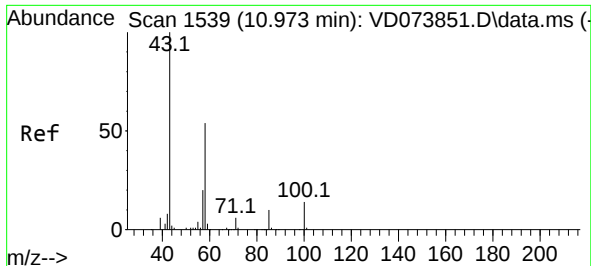
Tgt Ion: 98 Resp: 299125

Ion Ratio Lower Upper

98 100

100 65.2 52.4 78.6

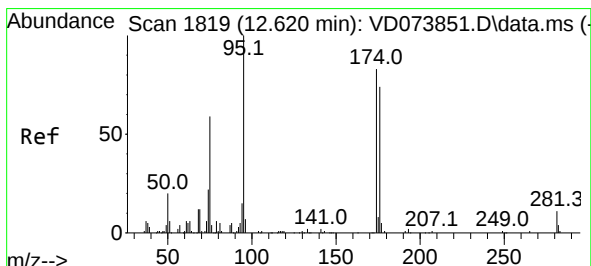
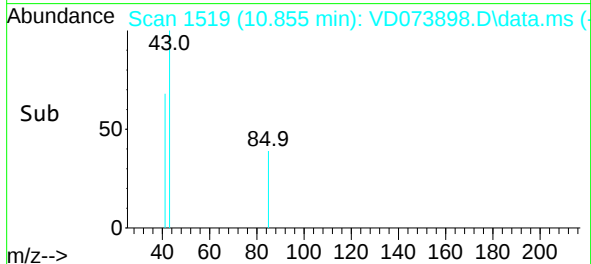
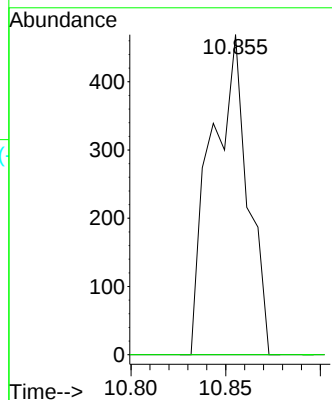
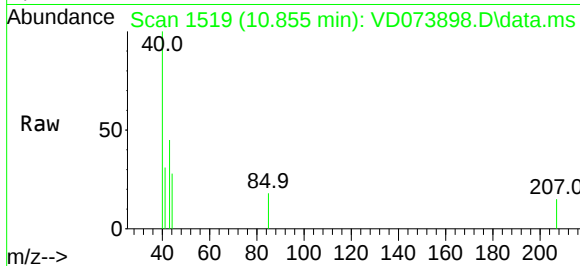




#59
2-Hexanone
Concen: 1.059 ug/l
RT: 10.855 min Scan# 1519
Delta R.T. -0.118 min
Lab File: VD073898.D
Acq: 21 Jul 2022 16:01

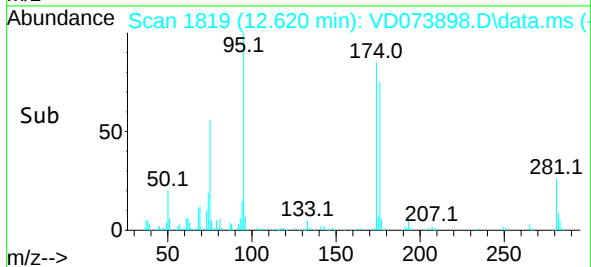
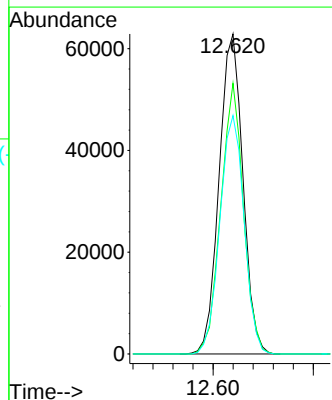
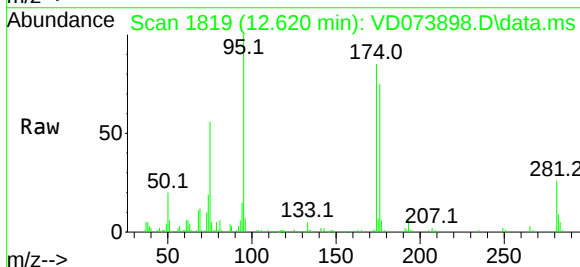
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-4(10-15)

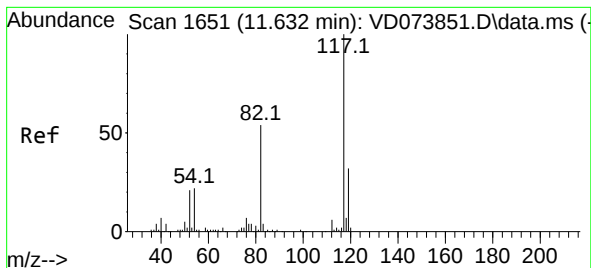
Tgt Ion: 43 Resp: 630
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 49.287 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073898.D
Acq: 21 Jul 2022 16:01

Tgt Ion: 95 Resp: 103383
Ion Ratio Lower Upper
95 100
174 80.3 0.0 152.8
176 75.7 0.0 145.4

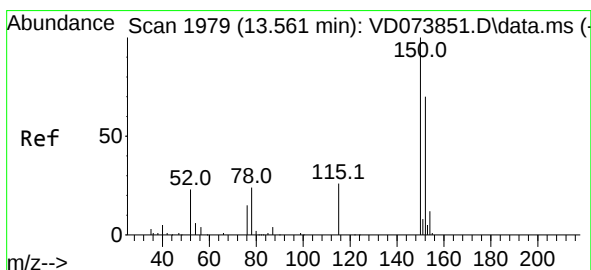
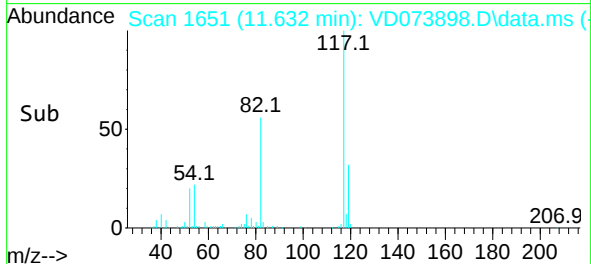
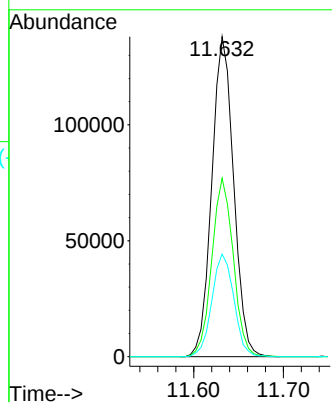
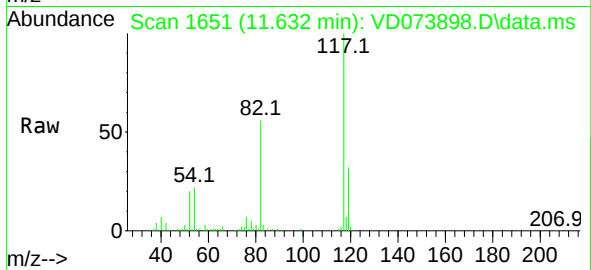




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD073898.D
Acq: 21 Jul 2022 16:01

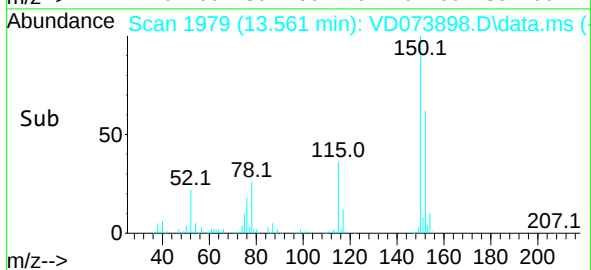
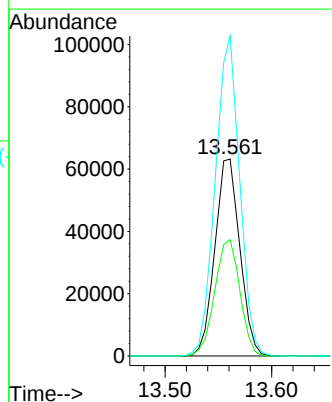
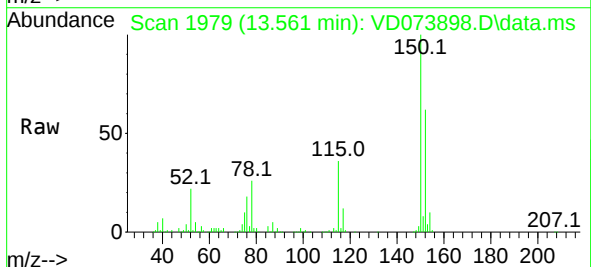
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-4(10-15)

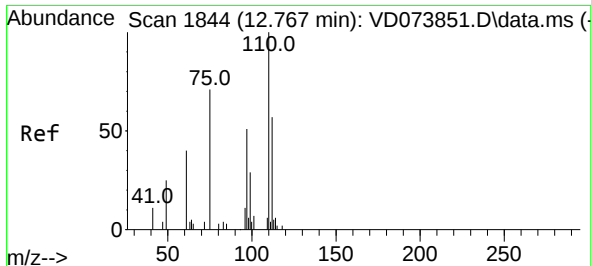
Tgt Ion:117 Resp: 233302
Ion Ratio Lower Upper
117 100
82 55.8 45.3 67.9
119 32.1 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073898.D
Acq: 21 Jul 2022 16:01

Tgt Ion:152 Resp: 102873
Ion Ratio Lower Upper
152 100
115 59.3 31.3 93.8
150 158.6 0.0 348.6

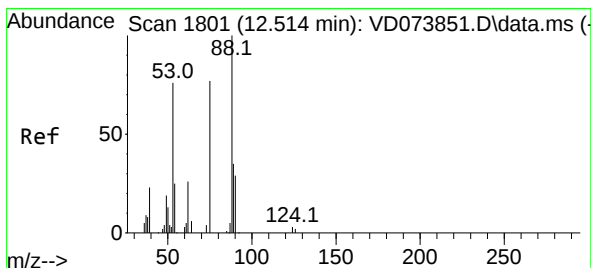
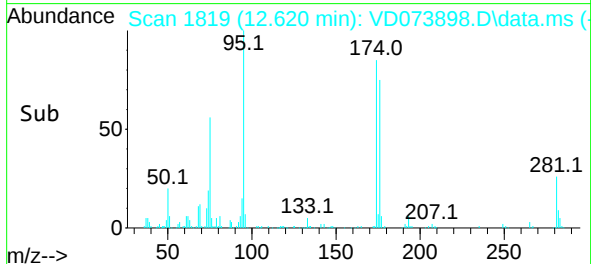
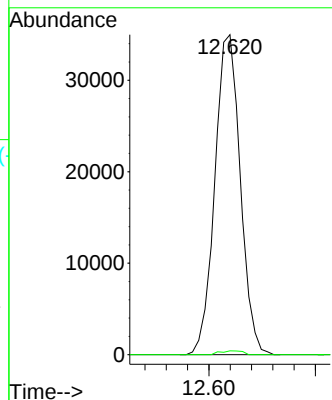
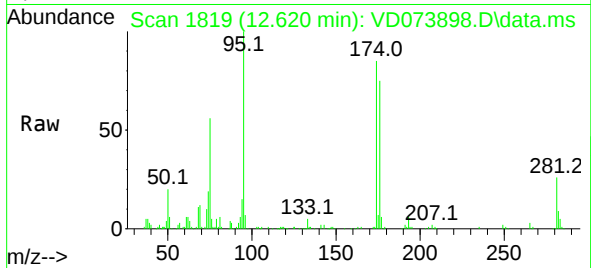




#76
1,2,3-Trichloropropane
Concen: 52.508 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073898.D
Acq: 21 Jul 2022 16:01

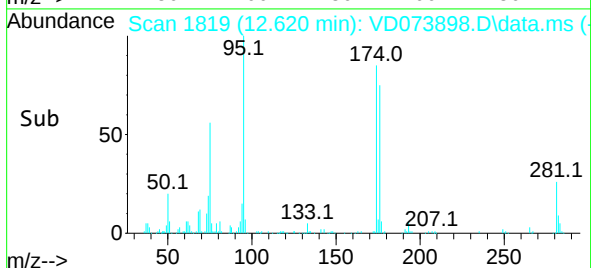
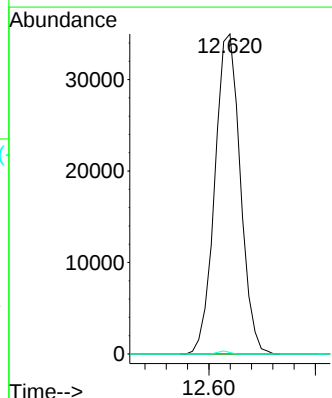
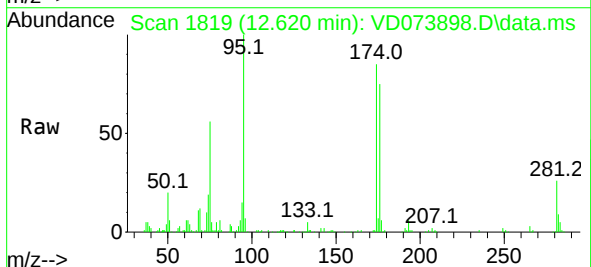
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-4(10-15)

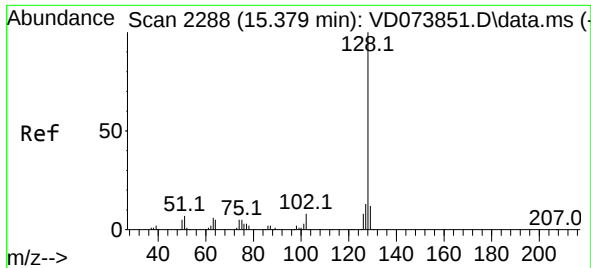
Tgt Ion: 75 Resp: 57958
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 141.691 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073898.D
Acq: 21 Jul 2022 16:01

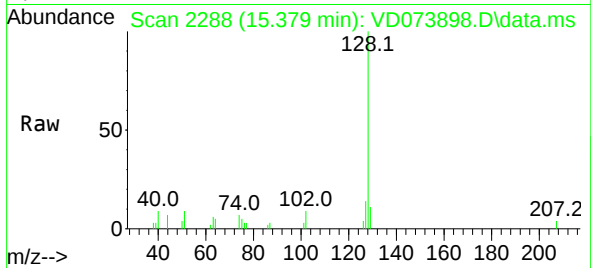
Tgt Ion: 75 Resp: 57958
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.4 33.9 50.9#





#95
 Naphthalene
 Concen: 4.714 ug/l
 RT: 15.379 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD073898.D
 Acq: 21 Jul 2022 16:01

Instrument :
 MSVOA_D
 ClientSampleId :
 ENV-DE-4(10-15)



Tgt Ion:	128	Resp:	16205
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.3	15.5
129	11.7	8.4	12.6

