

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052122\
 Data File : VD073259.D
 Acq On : 22 May 2022 07:01
 Operator : VA/SY
 Sample : N2920-14
 Misc : 4.28G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P024-SS002-0006-01

Quant Time: May 23 01:13:45 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)

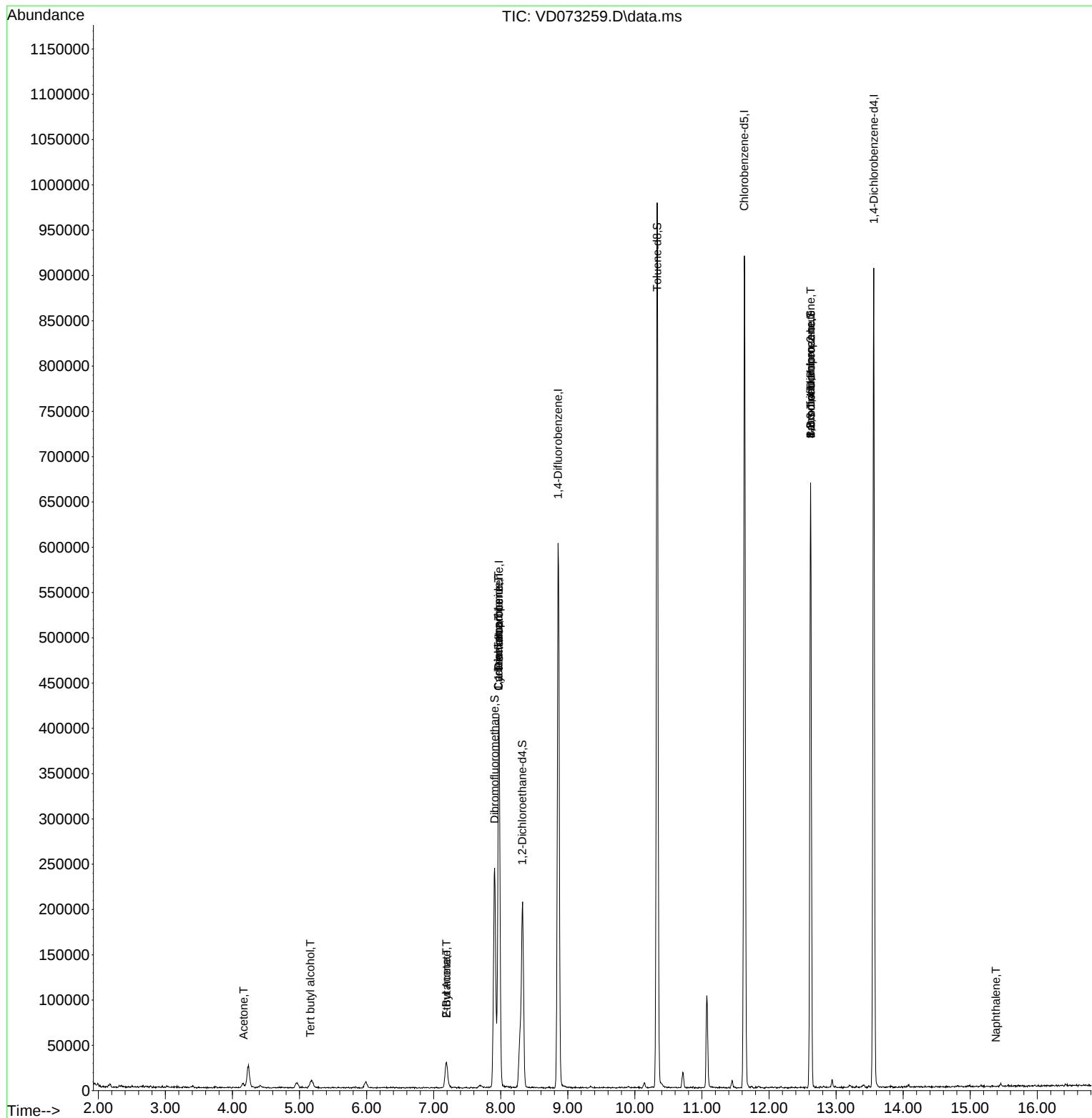
Internal Standards						
1) Pentafluorobenzene	7.973	168	293286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	517153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	533337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	231619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	155755	48.054	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.100%
35) Dibromofluoromethane	7.909	113	175829	51.525	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.040%
50) Toluene-d8	10.332	98	634912	50.472	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.940%
62) 4-Bromofluorobenzene	12.620	95	220590	49.968	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.940%
Target Compounds						
					Qvalue	
5) Bromomethane	2.791	94	629	Below Cal	#	45
11) Tert butyl alcohol	5.162	59	3462	6.884	ug/l #	74
16) Acetone	4.168	43	8494	15.130	ug/l #	78
20) Methylene Chloride	4.944	84	2888	Below Cal	#	60
25) 2-Butanone	7.191	43	3059	3.724	ug/l #	52
31) Cyclohexane	7.967	56	7472	1.319	ug/l #	19
36) 1,1-Dichloropropene	7.967	75	25669	5.001	ug/l #	52
37) Ethyl Acetate	7.191	43	3059	1.509	ug/l #	30
38) Carbon Tetrachloride	7.967	117	30977	5.954	ug/l #	17
71) Bromoform	12.620	173	2188	1.048	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	112830	49.648	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	112830	119.190	ug/l #	7
95) Naphthalene	15.385	128	163	3.561	ug/l #	70

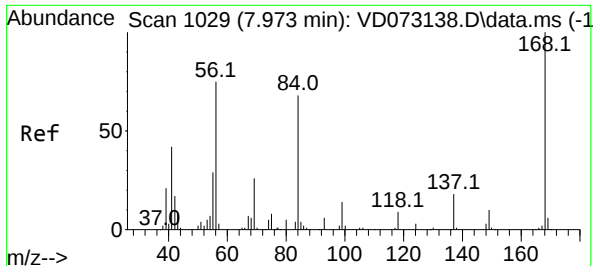
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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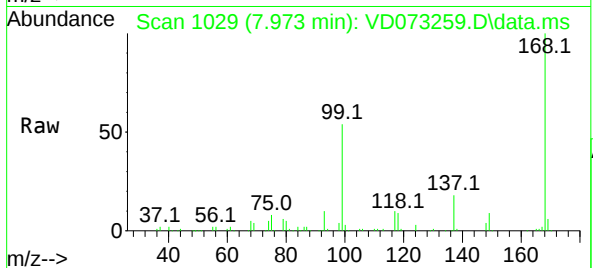
Quant Time: May 23 01:13:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
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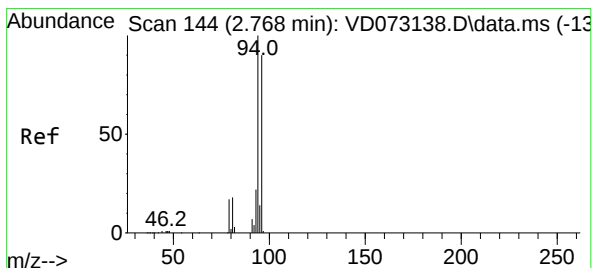
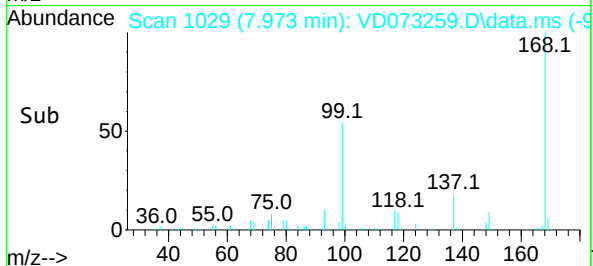
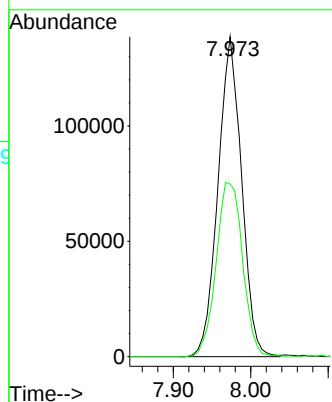


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073259.D
Acq: 22 May 2022 07:01

Instrument :
MSVOA_D
ClientSampleId :
P024-SS002-0006-01

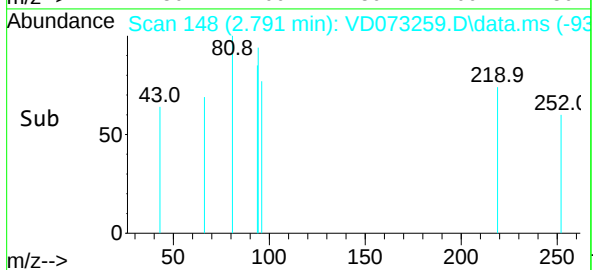
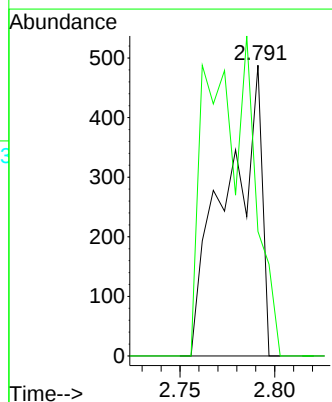
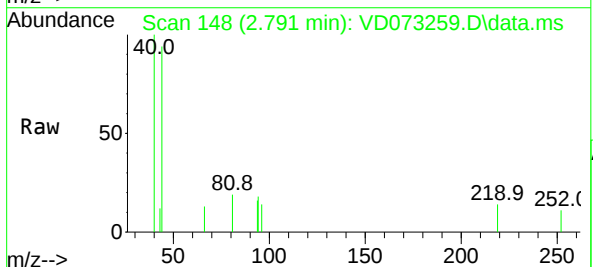


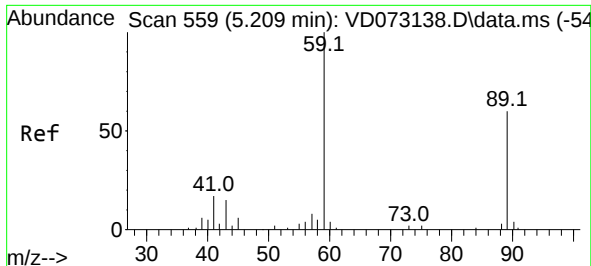
Tgt Ion:168 Resp: 293286
Ion Ratio Lower Upper
168 100
99 54.0 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.023 min
Lab File: VD073259.D
Acq: 22 May 2022 07:01

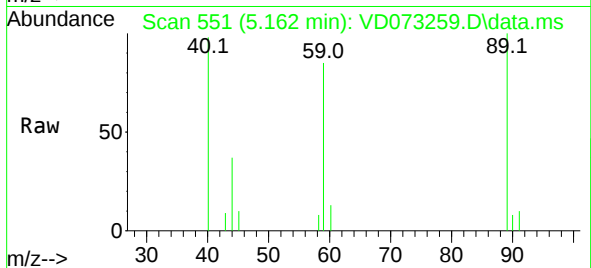
Tgt Ion: 94 Resp: 629
Ion Ratio Lower Upper
94 100
96 42.8 77.6 116.4#



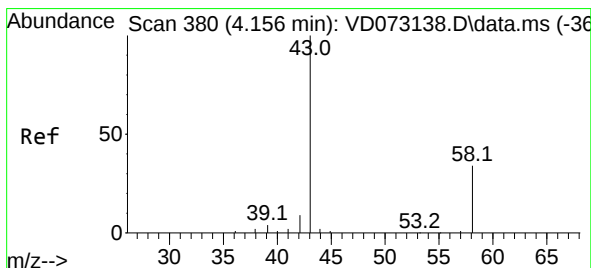
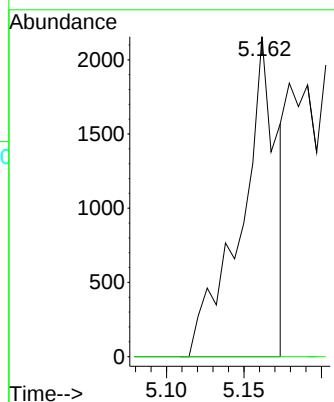


#11
Tert butyl alcohol
Concen: 6.884 ug/l
RT: 5.162 min Scan# 511
Delta R.T. -0.047 min
Lab File: VD073259.D
Acq: 22 May 2022 07:01

Instrument :
MSVOA_D
ClientSampleId :
P024-SS002-0006-01

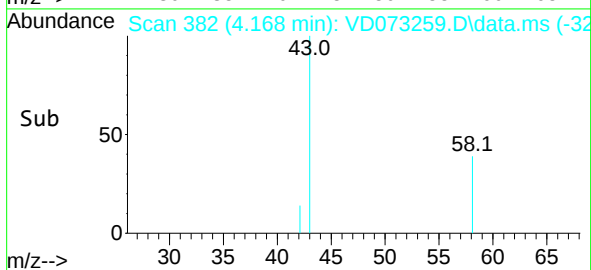
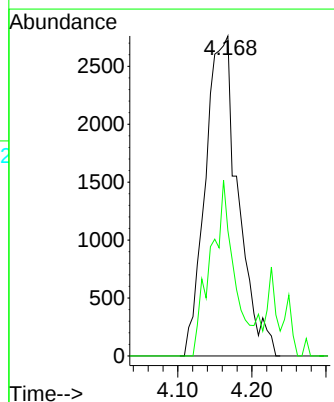
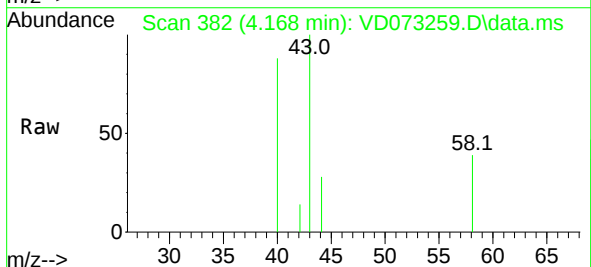


Tgt Ion: 59 Resp: 3462
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 15.130 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD073259.D
Acq: 22 May 2022 07:01

Tgt Ion: 43 Resp: 8494
Ion Ratio Lower Upper
43 100
58 39.2 22.1 33.1#

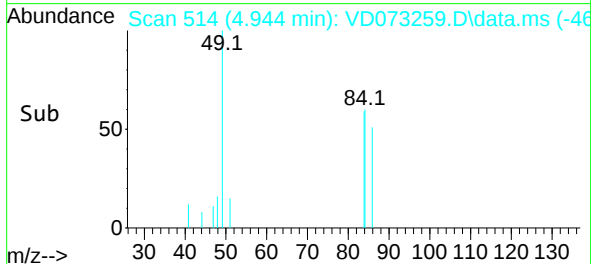
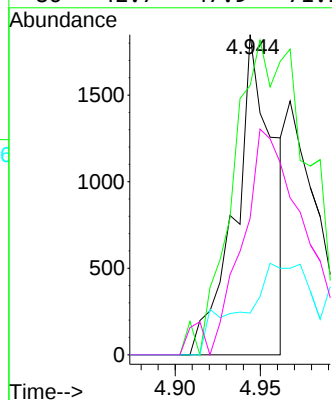
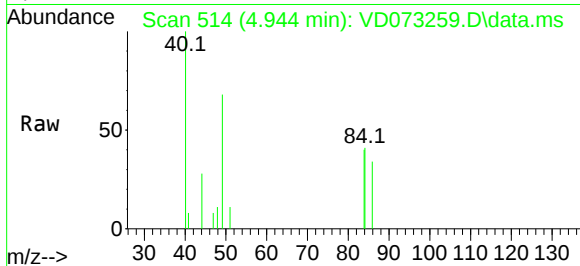




#20
Methylene Chloride
Concen: Below Cal
RT: 4.944 min Scan# 517
Delta R.T. -0.018 min
Lab File: VD073259.D
Acq: 22 May 2022 07:01

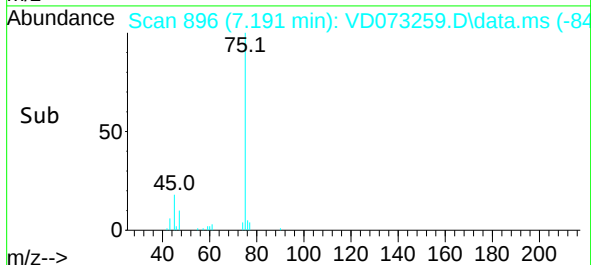
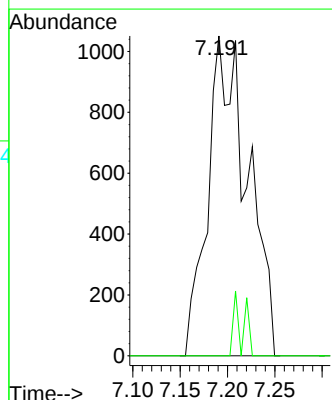
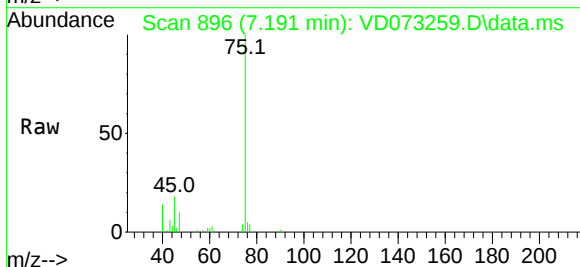
Instrument :
MSVOA_D
ClientSampleId :
P024-SS002-0006-01

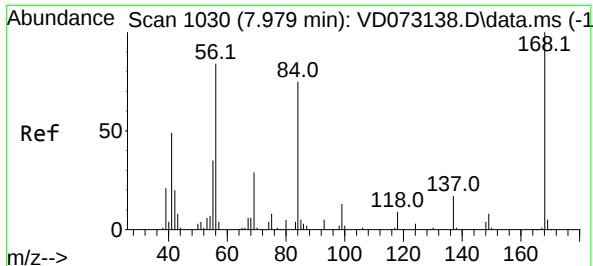
Tgt Ion: 84 Resp: 2888
Ion Ratio Lower Upper
84 100
49 84.1 112.8 169.2#
51 13.0 32.6 48.8#
86 42.7 47.9 71.9#



#25
2-Butanone
Concen: 3.724 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.017 min
Lab File: VD073259.D
Acq: 22 May 2022 07:01

Tgt Ion: 43 Resp: 3059
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.319 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073259.D

Acq: 22 May 2022 07:01

Instrument :

MSVOA_D

ClientSampleId :

P024-SS002-0006-01

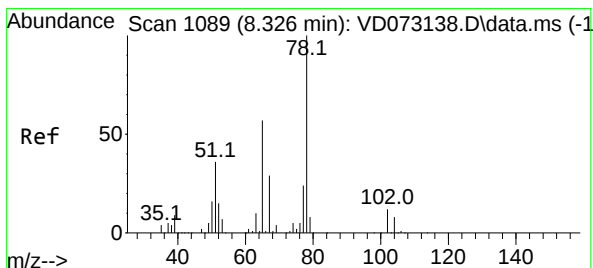
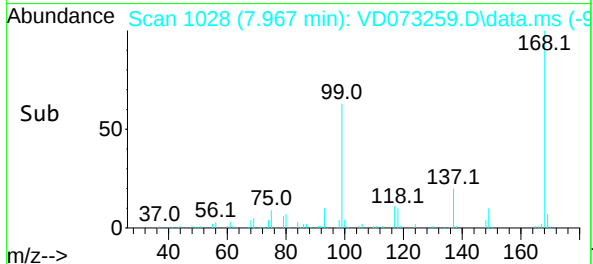
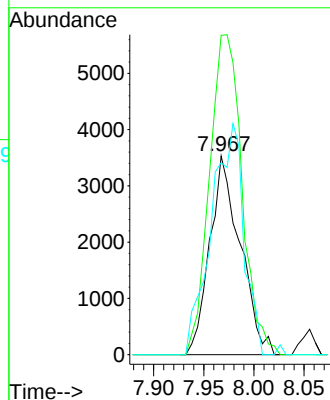
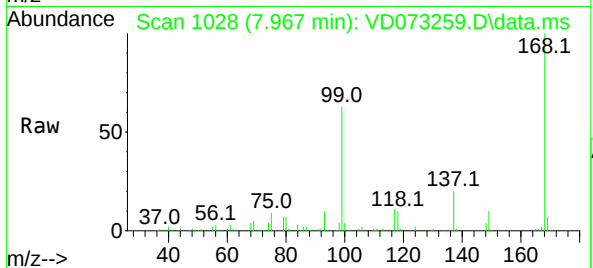
Tgt Ion: 56 Resp: 7472

Ion Ratio Lower Upper

56 100

69 160.7 25.4 38.2#

84 96.6 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 48.054 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD073259.D

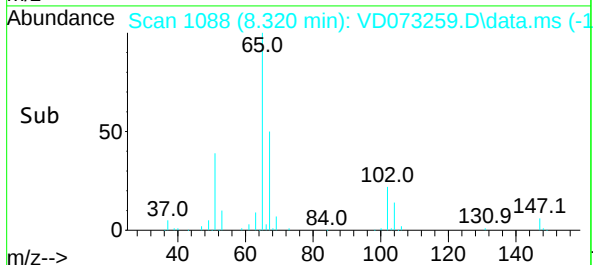
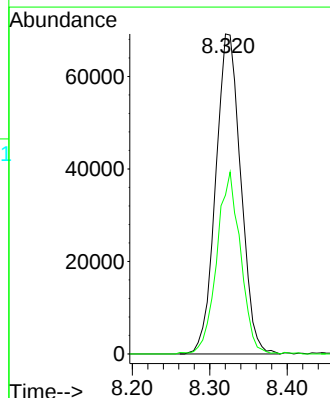
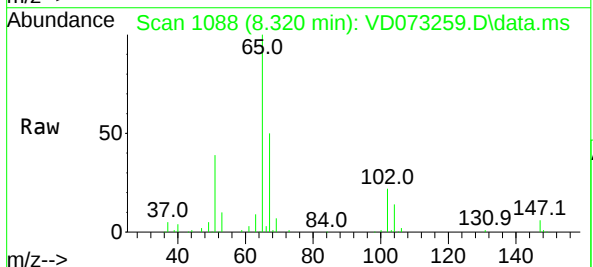
Acq: 22 May 2022 07:01

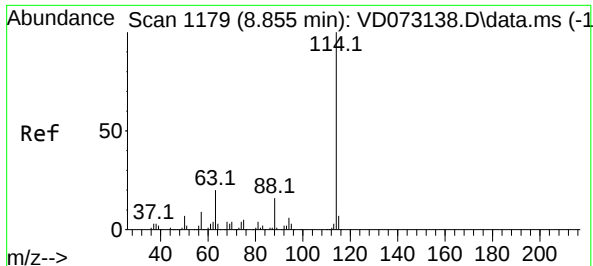
Tgt Ion: 65 Resp: 155755

Ion Ratio Lower Upper

65 100

67 53.9 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073259.D

Acq: 22 May 2022 07:01

Instrument :

MSVOA_D

ClientSampleId :

P024-SS002-0006-01

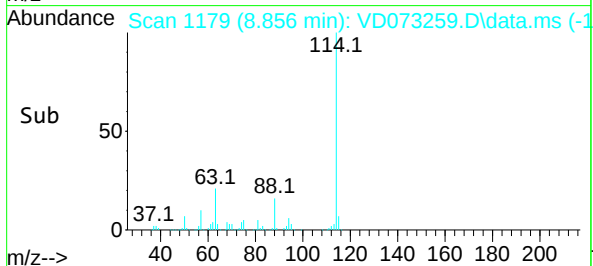
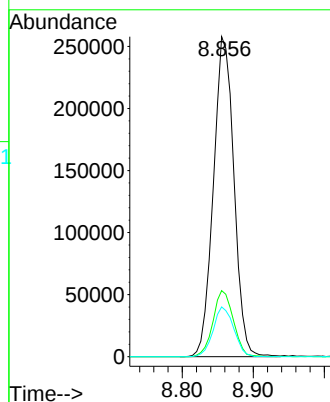
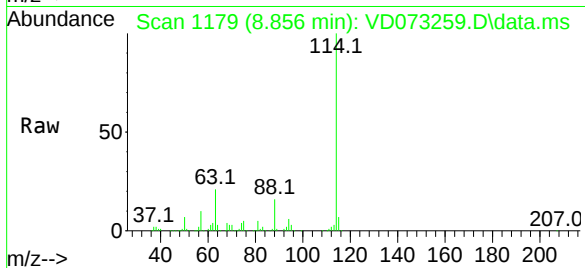
Tgt Ion:114 Resp: 517153

Ion Ratio Lower Upper

114 100

63 20.7 0.0 46.6

88 15.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 51.525 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073259.D

Acq: 22 May 2022 07:01

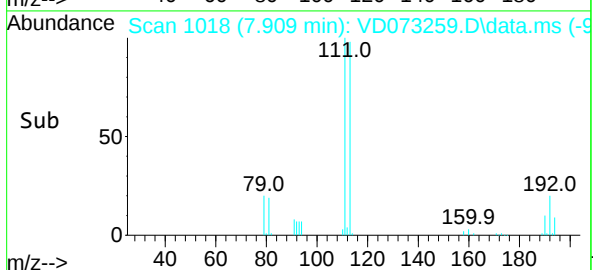
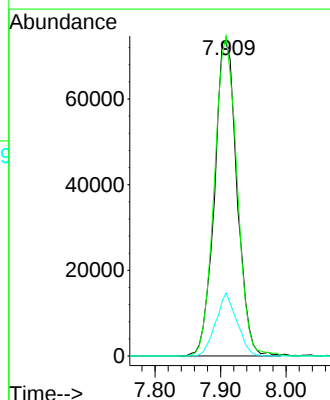
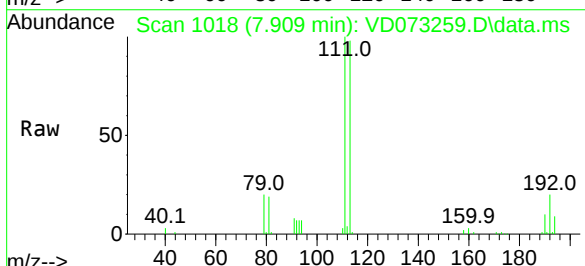
Tgt Ion:113 Resp: 175829

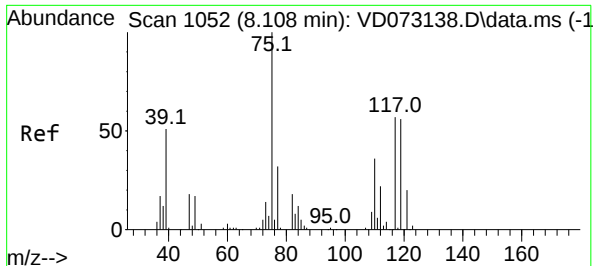
Ion Ratio Lower Upper

113 100

111 101.6 83.8 125.6

192 18.7 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.001 ug/l

RT: 7.967 min Scan# 1

Delta R.T. -0.141 min

Lab File: VD073259.D

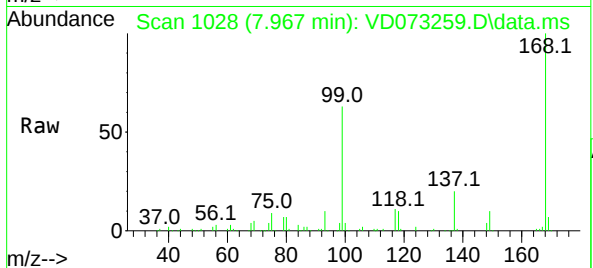
Acq: 22 May 2022 07:01

Instrument :

MSVOA_D

ClientSampleId :

P024-SS002-0006-01



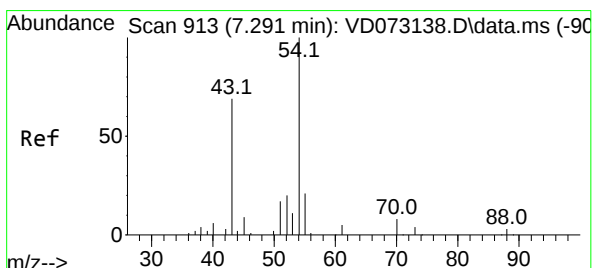
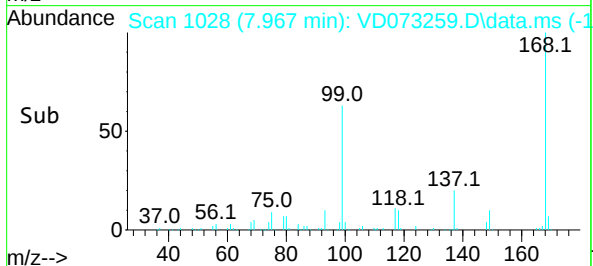
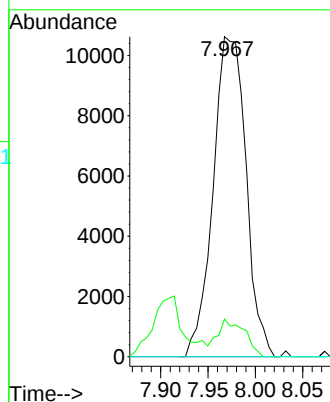
Tgt Ion: 75 Resp: 25669

Ion Ratio Lower Upper

75 100

110 9.6 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 1.509 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.100 min

Lab File: VD073259.D

Acq: 22 May 2022 07:01

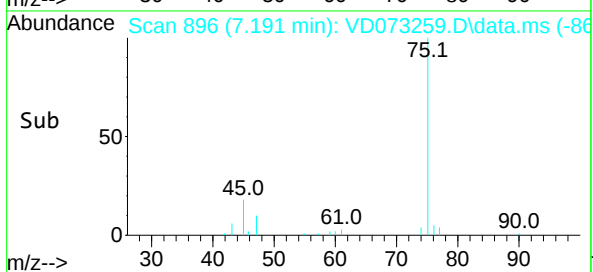
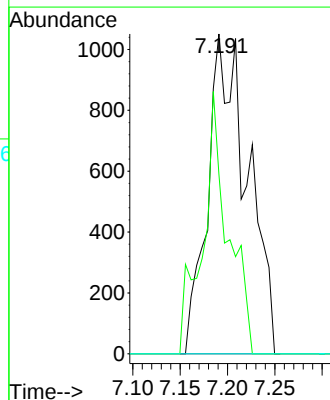
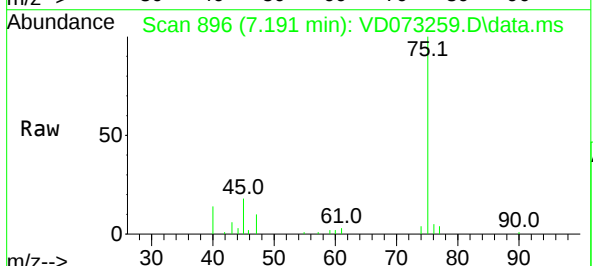
Tgt Ion: 43 Resp: 3059

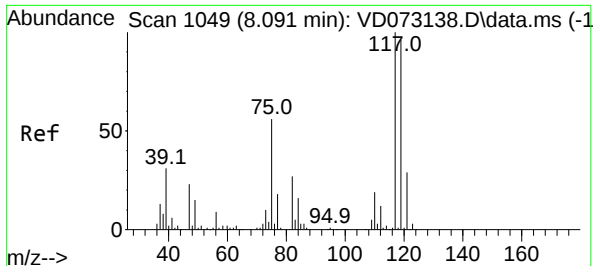
Ion Ratio Lower Upper

43 100

61 52.6 9.8 14.8#

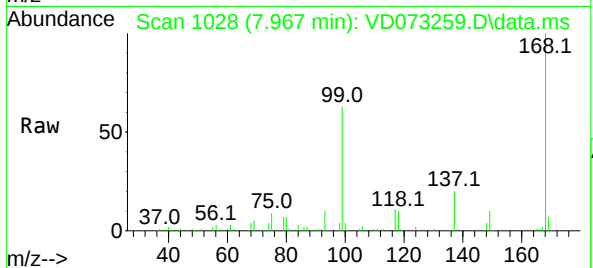
70 0.0 6.9 10.3#



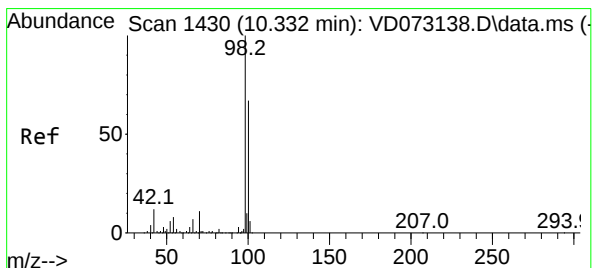
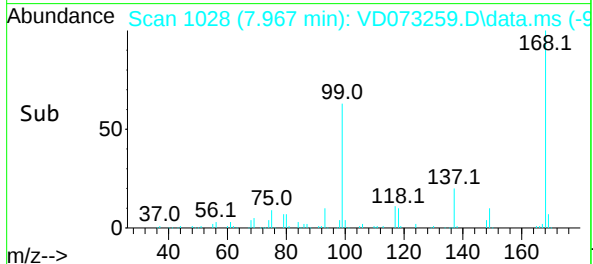
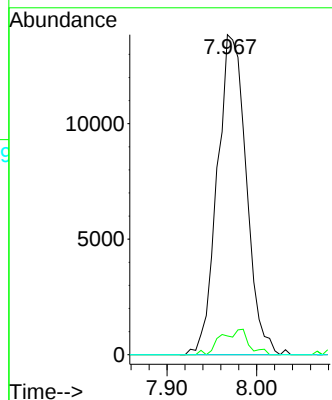


#38
Carbon Tetrachloride
Concen: 5.954 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD073259.D
Acq: 22 May 2022 07:01

Instrument :
MSVOA_D
ClientSampleId :
P024-SS002-0006-01

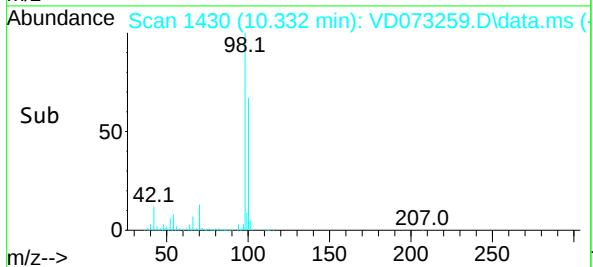
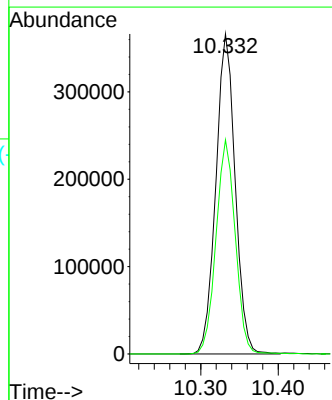
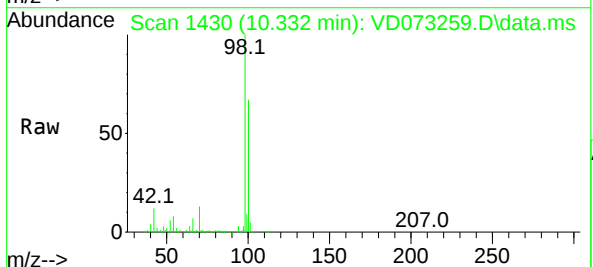


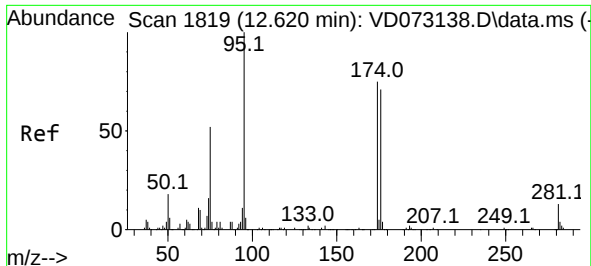
Tgt Ion:117 Resp: 30977
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.472 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073259.D
Acq: 22 May 2022 07:01

Tgt Ion: 98 Resp: 634912
Ion Ratio Lower Upper
98 100
100 66.7 52.4 78.6

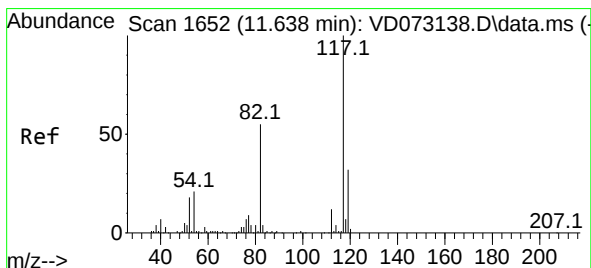
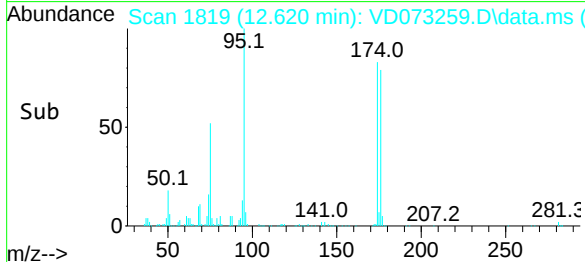
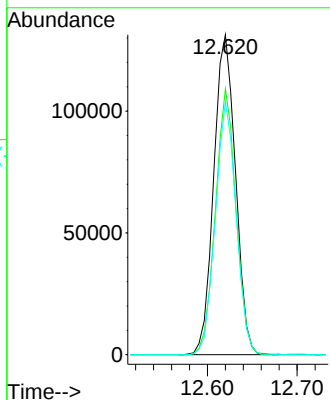
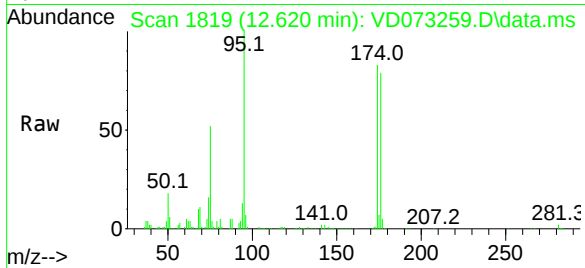




#62
4-Bromofluorobenzene
Concen: 49.968 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073259.D
Acq: 22 May 2022 07:01

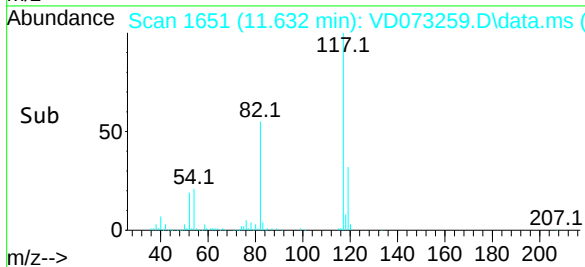
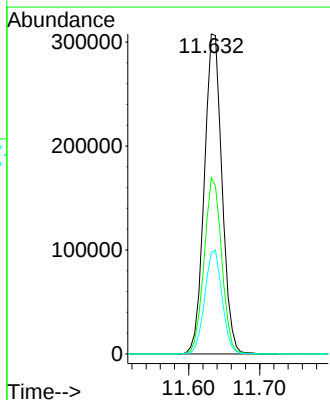
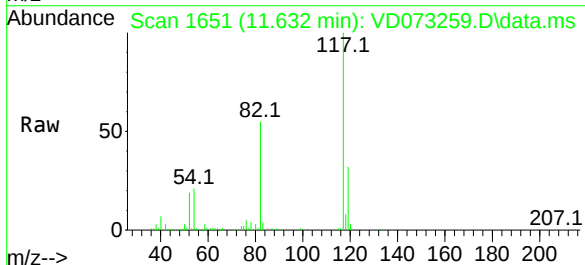
Instrument :
MSVOA_D
ClientSampleId :
P024-SS002-0006-01

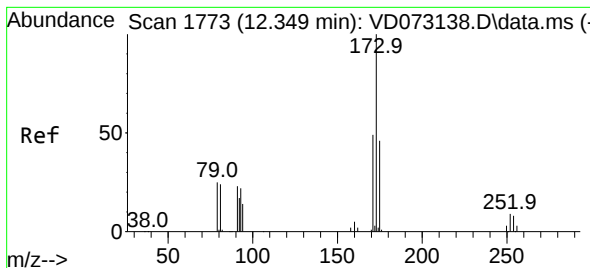
Tgt Ion: 95 Resp: 220590
Ion Ratio Lower Upper
95 100
174 79.0 0.0 152.8
176 75.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073259.D
Acq: 22 May 2022 07:01

Tgt Ion: 117 Resp: 533337
Ion Ratio Lower Upper
117 100
82 55.1 45.3 67.9
119 31.6 26.6 40.0





#71

Bromoform

Concen: 1.048 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.271 min

Lab File: VD073259.D

Acq: 22 May 2022 07:01

Instrument :

MSVOA_D

ClientSampleId :

P024-SS002-0006-01

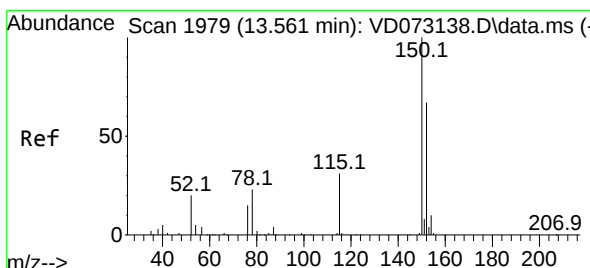
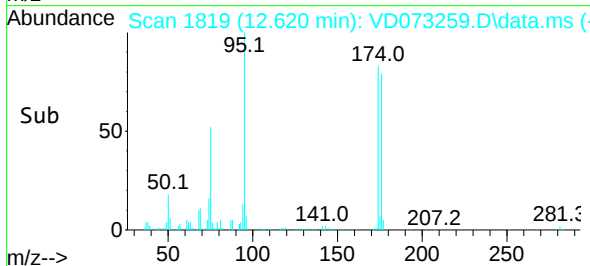
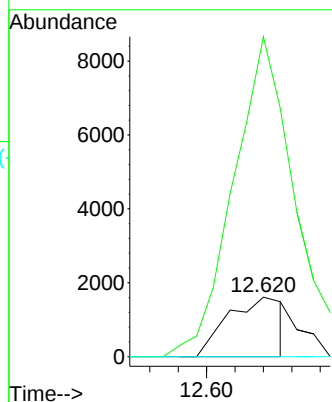
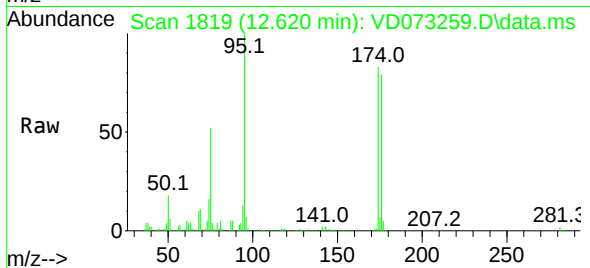
Tgt Ion:173 Resp: 2188

Ion Ratio Lower Upper

173 100

175 466.3 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: VD073259.D

Acq: 22 May 2022 07:01

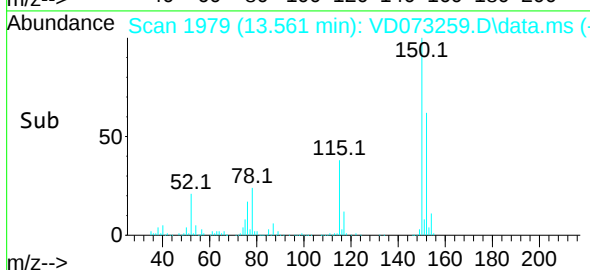
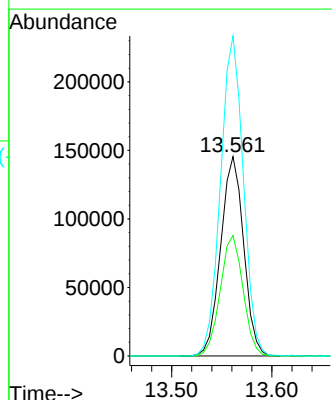
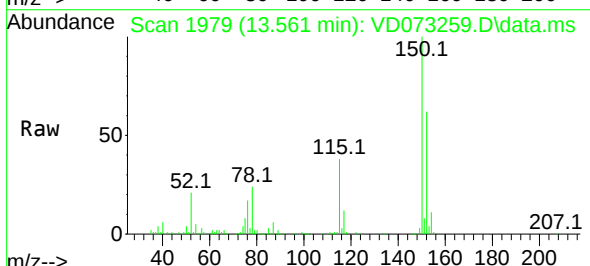
Tgt Ion:152 Resp: 231619

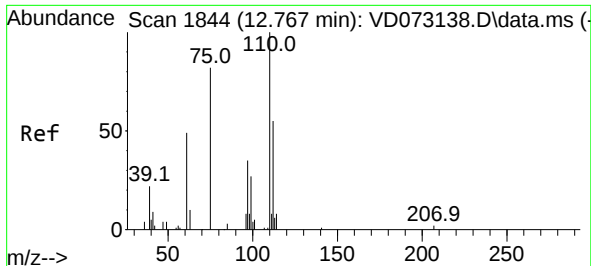
Ion Ratio Lower Upper

152 100

115 59.8 31.3 93.8

150 158.9 0.0 348.6

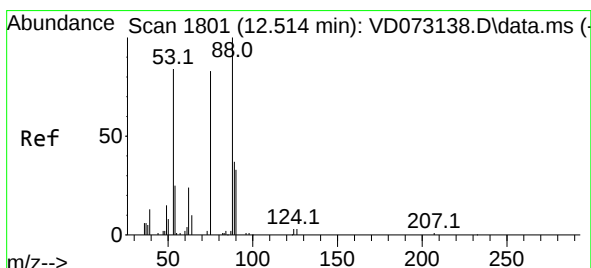
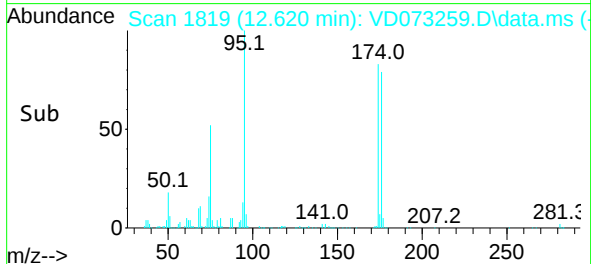
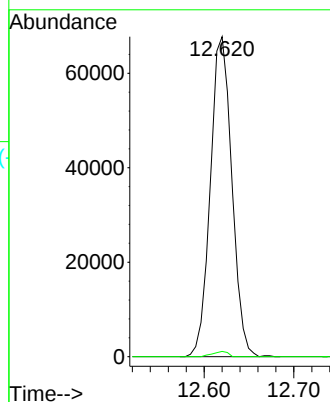
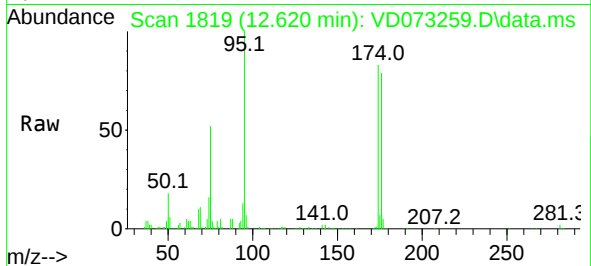




#76
1,2,3-Trichloropropane
Concen: 49.648 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073259.D
Acq: 22 May 2022 07:01

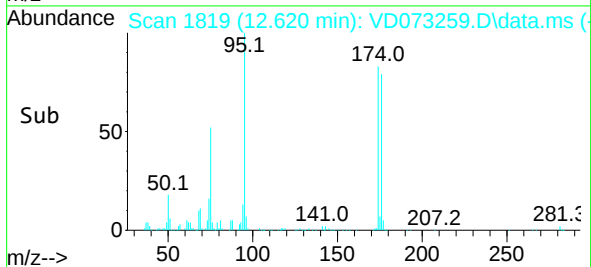
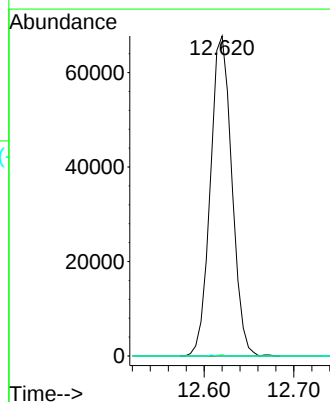
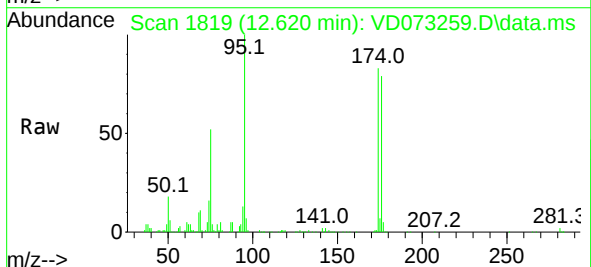
Instrument :
MSVOA_D
ClientSampleId :
P024-SS002-0006-01

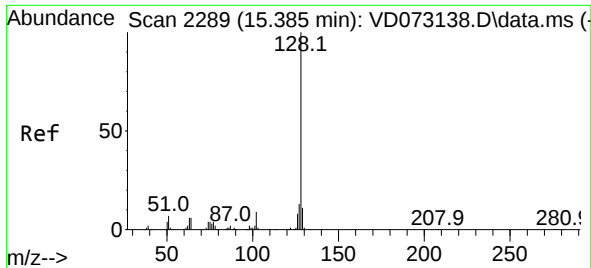
Tgt Ion: 75 Resp: 112830
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.190 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073259.D
Acq: 22 May 2022 07:01

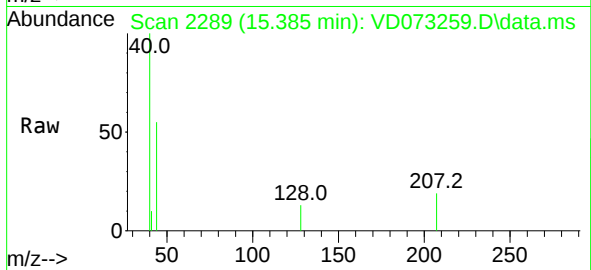
Tgt Ion: 75 Resp: 112830
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#





#95
Naphthalene
Concen: 3.561 ug/l
RT: 15.385 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD073259.D
Acq: 22 May 2022 07:01

Instrument :
MSVOA_D
ClientSampleId :
P024-SS002-0006-01



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

