

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072122\
 Data File : VD073902.D
 Acq On : 21 Jul 2022 18:06
 Operator : VA/SY
 Sample : N3814-07
 Misc : 6.11G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ENV-DE-2(0-5)

Quant Time: Jul 22 01:20:12 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)

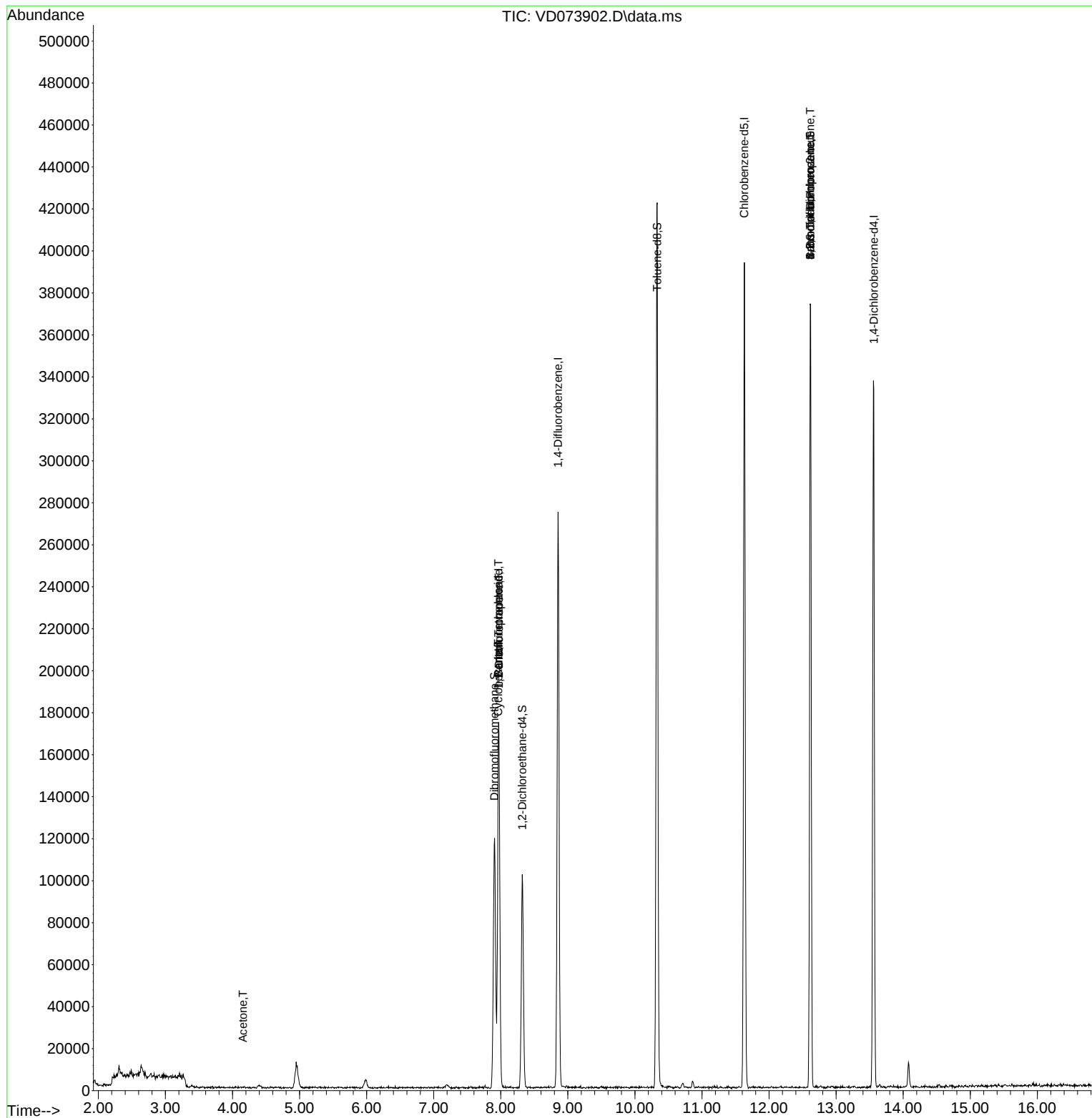
Internal Standards						
1) Pentafluorobenzene	7.967	168	124577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	228692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	216712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	87040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	78560	52.810	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.620%	
35) Dibromofluoromethane	7.902	113	81163	50.306	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.620%	
50) Toluene-d8	10.332	98	287783	49.136	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.280%	
62) 4-Bromofluorobenzene	12.614	95	93827	46.594	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.180%	
Target Compounds						Qvalue
3) Chloromethane	2.203	50	893	Below Cal		93
11) Tert butyl alcohol	5.232	59	486	Below Cal	#	74
16) Acetone	4.156	43	462	1.893 ug/l	#	60
18) Methyl Acetate	4.756	43	62	Below Cal	#	55
20) Methylene Chloride	4.967	84	8292	Below Cal		86
31) Cyclohexane	7.961	56	3650	1.544 ug/l	#	43
36) 1,1-Dichloropropene	7.973	75	10853	4.663 ug/l	#	52
38) Carbon Tetrachloride	7.967	117	13940	5.244 ug/l	#	16
71) Bromoform	12.614	173	952	1.037 ug/l	#	1
76) 1,2,3-Trichloropropane	12.614	75	52062	55.747 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.614	75	52062	150.429 ug/l	#	7

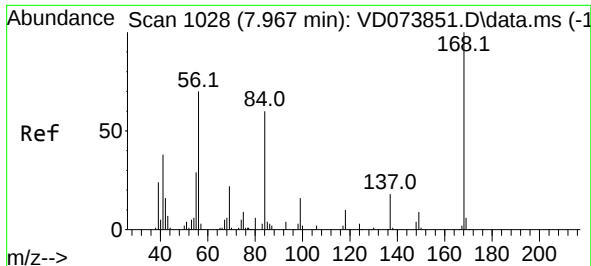
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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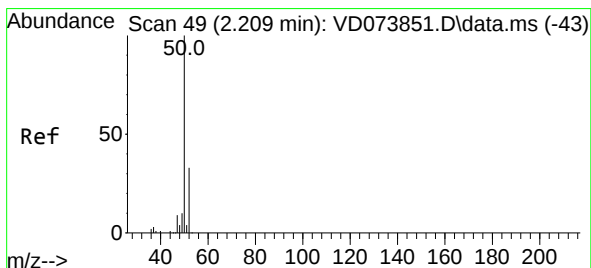
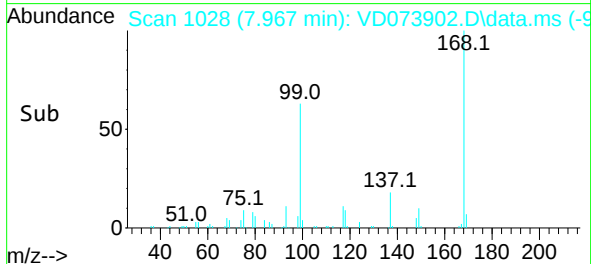
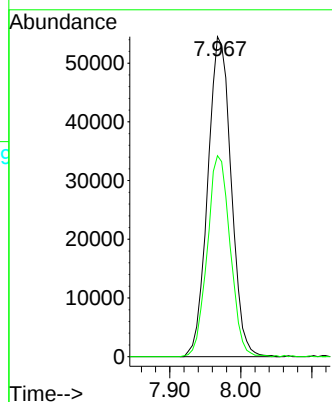
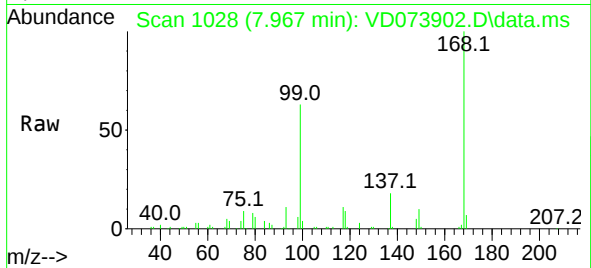




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VD073902.D
Acq: 21 Jul 2022 18:06

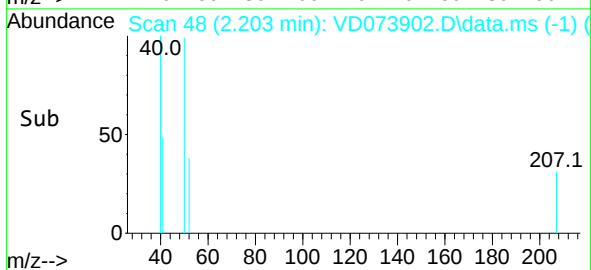
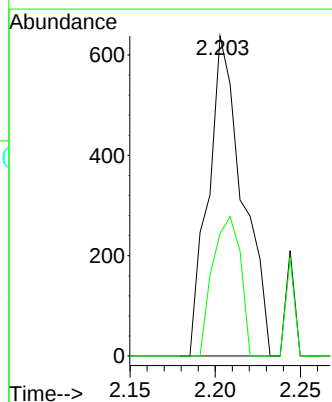
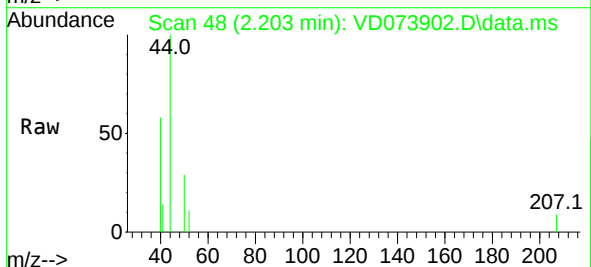
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-2(0-5)

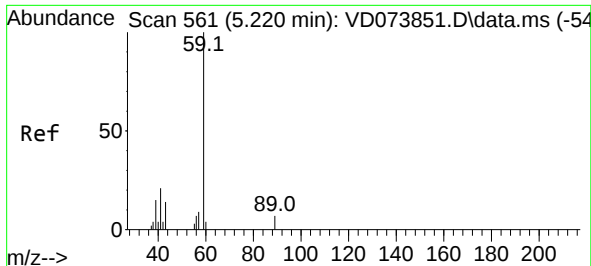
Tgt Ion:168 Resp: 124577
Ion Ratio Lower Upper
168 100
99 62.8 49.8 74.6



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD073902.D
Acq: 21 Jul 2022 18:06

Tgt Ion: 50 Resp: 893
Ion Ratio Lower Upper
50 100
52 38.2 27.4 41.0

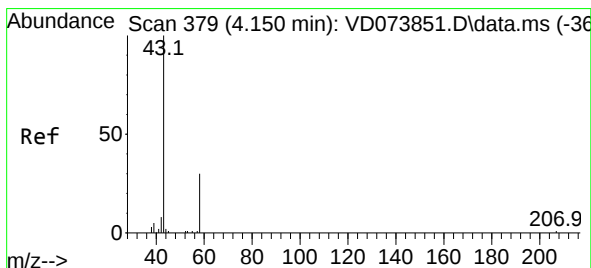
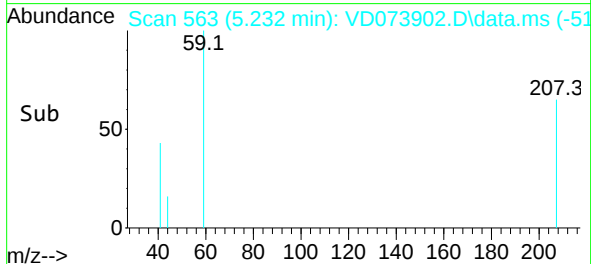
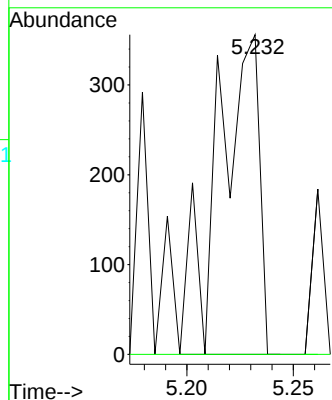
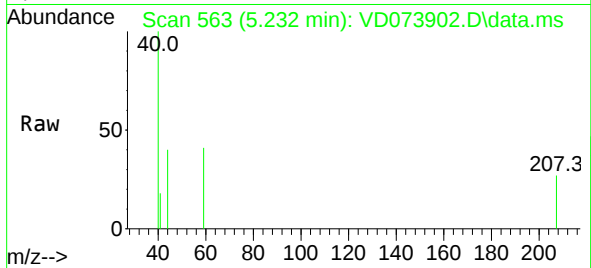




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 50
Delta R.T. 0.012 min
Lab File: VD073902.D
Acq: 21 Jul 2022 18:06

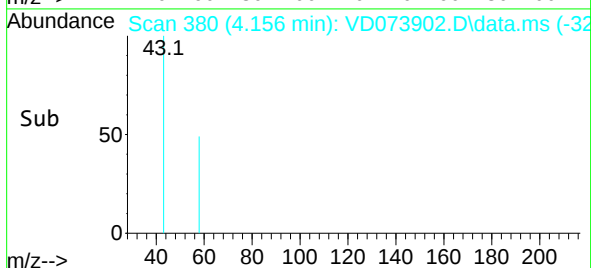
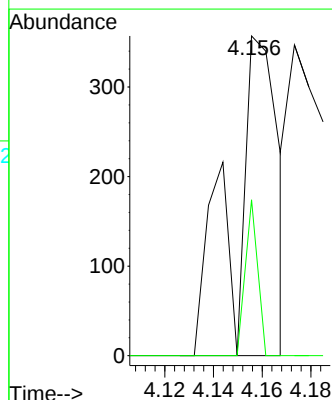
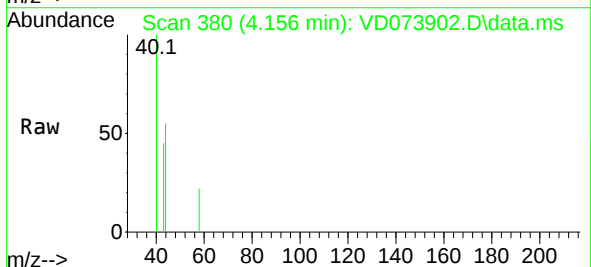
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-2(0-5)

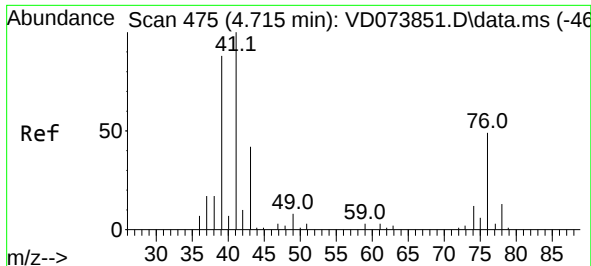
Tgt Ion: 59 Resp: 486
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 1.893 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073902.D
Acq: 21 Jul 2022 18:06

Tgt Ion: 43 Resp: 462
Ion Ratio Lower Upper
43 100
58 48.7 22.1 33.1#

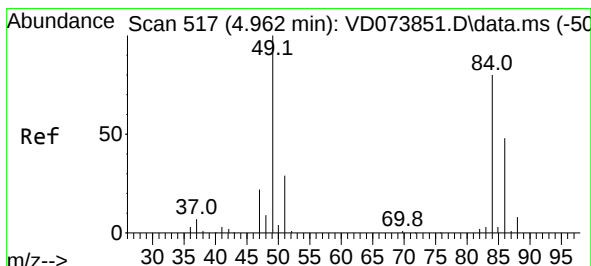
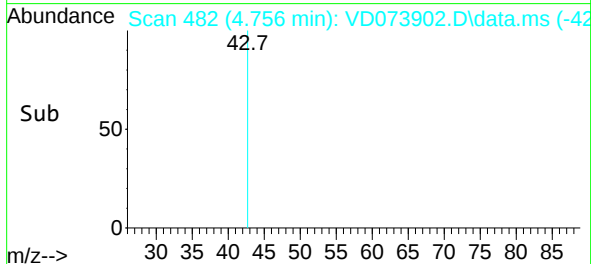
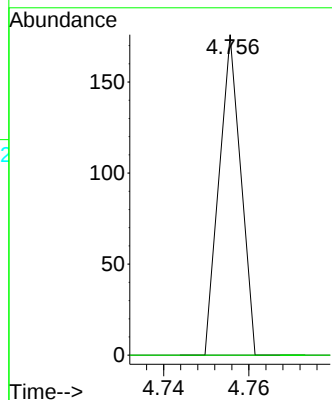
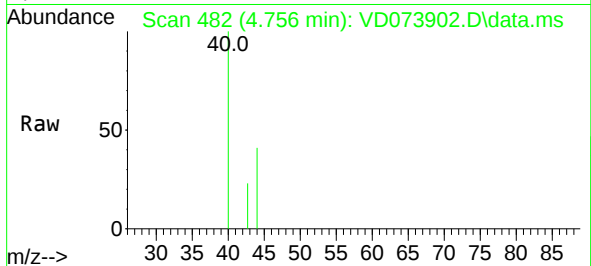




#18
Methyl Acetate
Concen: Below Cal
RT: 4.756 min Scan# 41
Delta R.T. 0.041 min
Lab File: VD073902.D
Acq: 21 Jul 2022 18:06

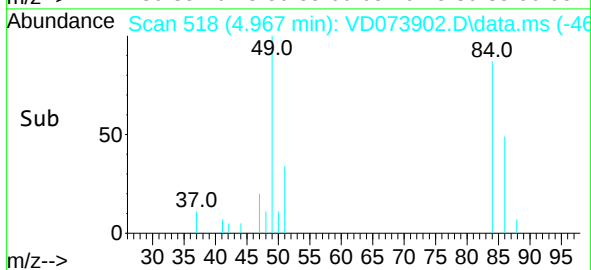
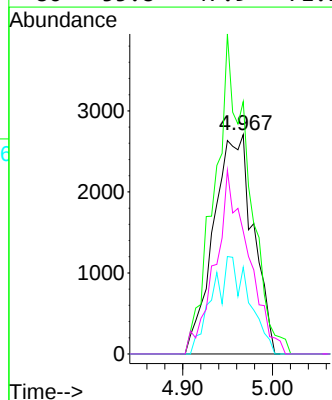
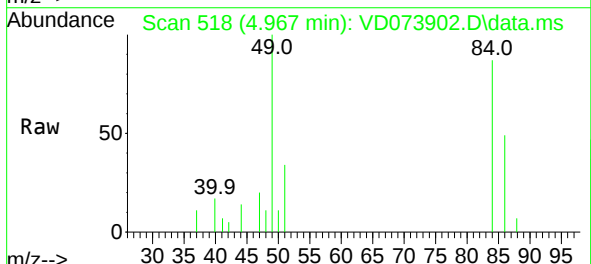
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-2(0-5)

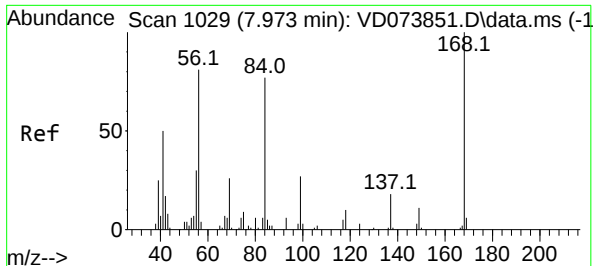
Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD073902.D
Acq: 21 Jul 2022 18:06

Tgt Ion: 84 Resp: 8292
Ion Ratio Lower Upper
84 100
49 115.0 112.8 169.2
51 39.5 32.6 48.8
86 55.8 47.9 71.9





#31

Cyclohexane

Concen: 1.544 ug/l

RT: 7.961 min Scan# 1027

Delta R.T. -0.012 min

Lab File: VD073902.D

Acq: 21 Jul 2022 18:06

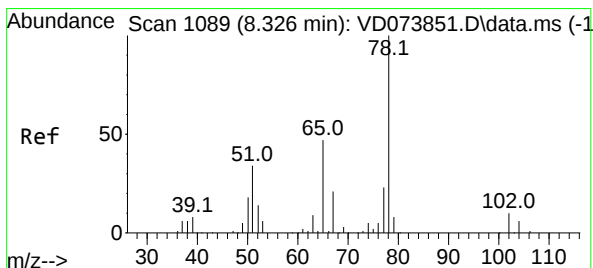
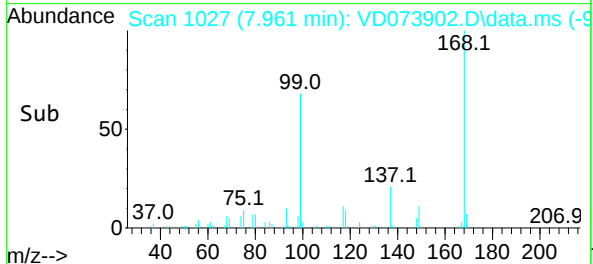
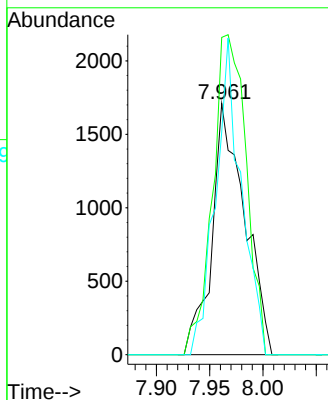
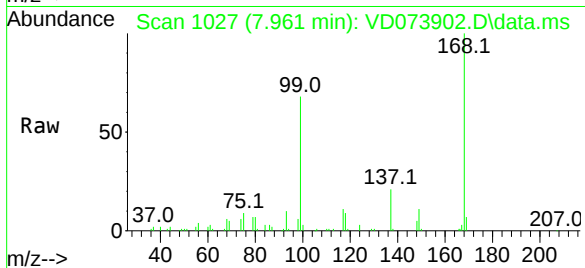
Instrument :

MSVOA_D

ClientSampleId :

ENV-DE-2(0-5)

Tgt Ion:	56	Resp:	3650
Ion	Ratio	Lower	Upper
56	100		
69	126.3	25.4	38.2#
84	88.7	63.0	94.4



#33

1,2-Dichloroethane-d4

Concen: 52.810 ug/l

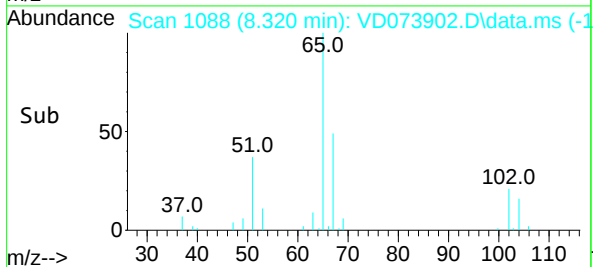
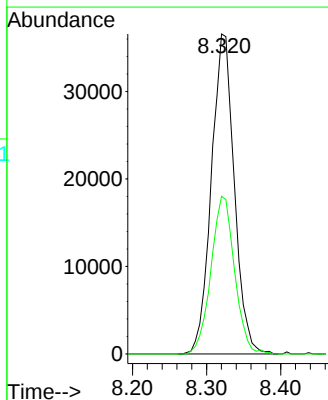
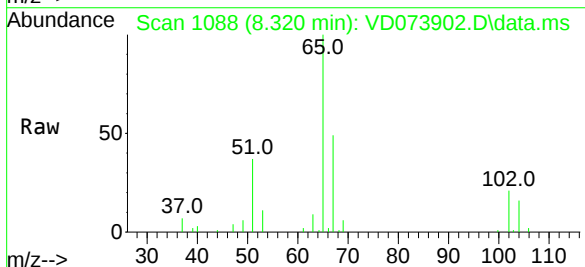
RT: 8.320 min Scan# 1088

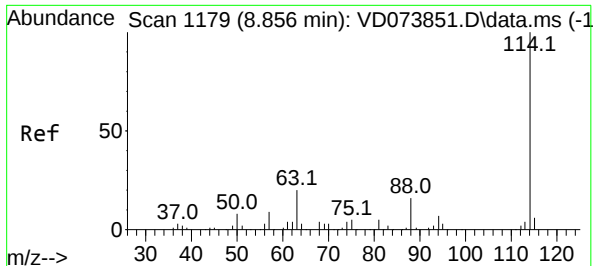
Delta R.T. -0.006 min

Lab File: VD073902.D

Acq: 21 Jul 2022 18:06

Tgt Ion:	65	Resp:	78560
Ion	Ratio	Lower	Upper
65	100		
67	50.7	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: VD073902.D

Acq: 21 Jul 2022 18:06

Instrument :

MSVOA_D

ClientSampleId :

ENV-DE-2(0-5)

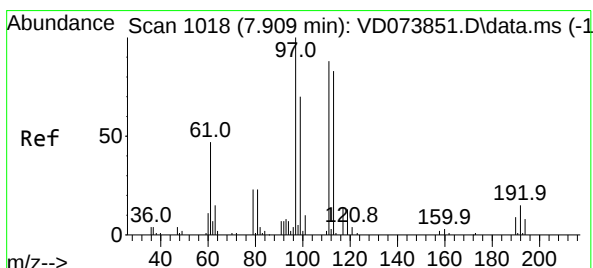
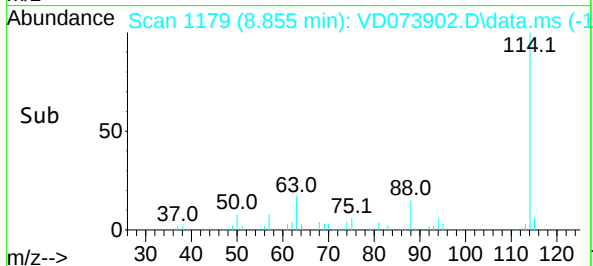
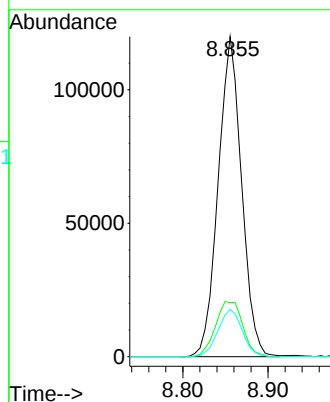
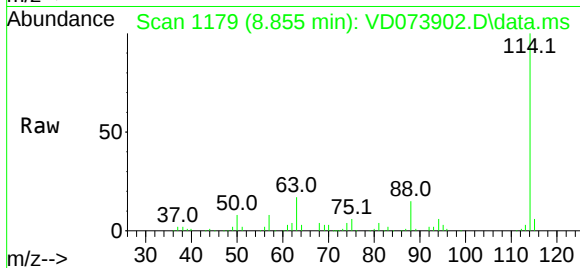
Tgt Ion:114 Resp: 228692

Ion Ratio Lower Upper

114 100

63 16.9 0.0 46.6

88 14.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.306 ug/l

RT: 7.902 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073902.D

Acq: 21 Jul 2022 18:06

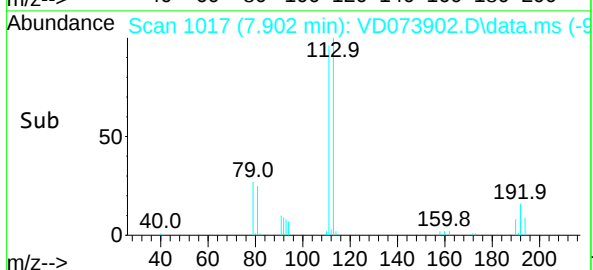
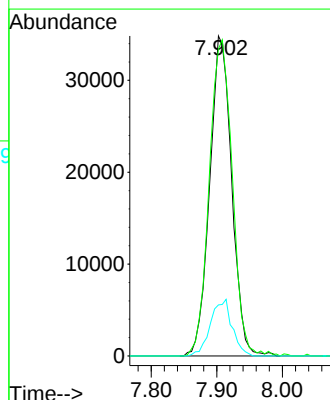
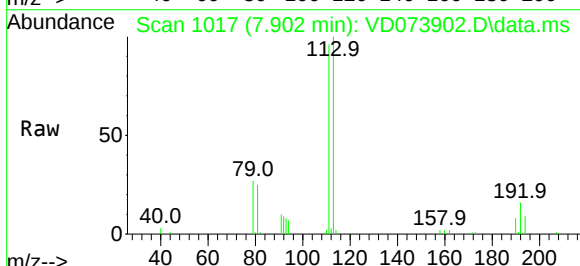
Tgt Ion:113 Resp: 81163

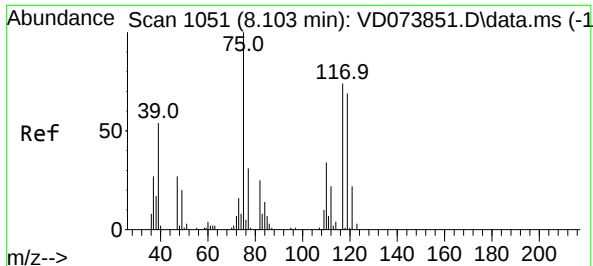
Ion Ratio Lower Upper

113 100

111 103.7 83.8 125.6

192 17.4 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.663 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD073902.D

Acq: 21 Jul 2022 18:06

Instrument :

MSVOA_D

ClientSampleId :

ENV-DE-2(0-5)

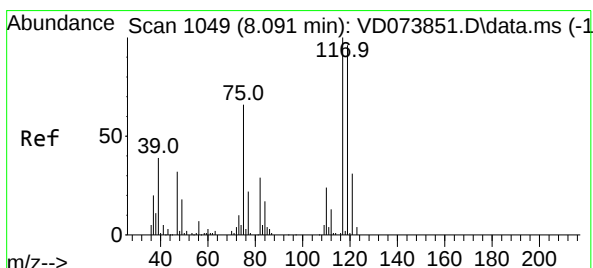
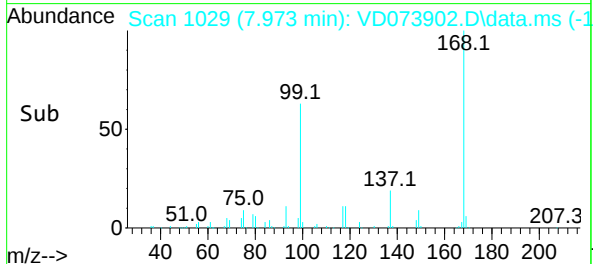
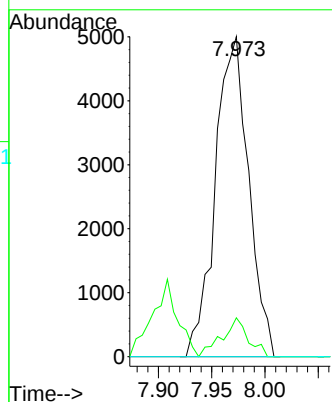
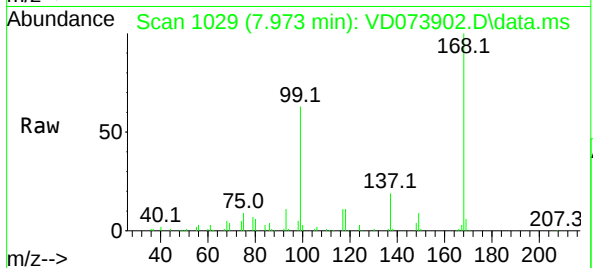
Tgt Ion: 75 Resp: 10853

Ion Ratio Lower Upper

75 100

110 9.6 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.244 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.124 min

Lab File: VD073902.D

Acq: 21 Jul 2022 18:06

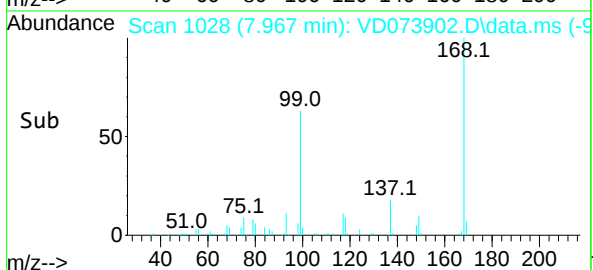
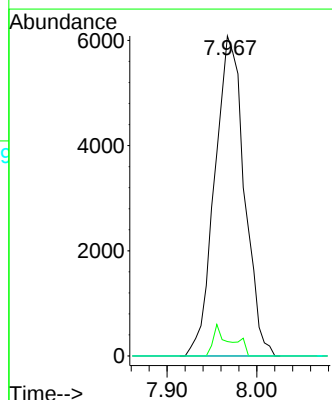
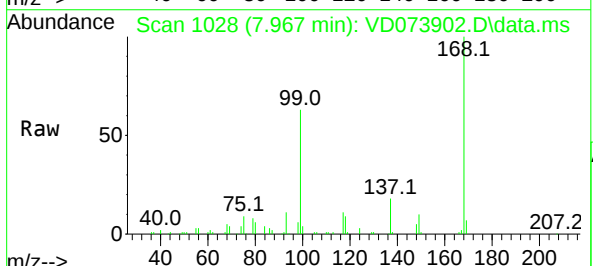
Tgt Ion: 117 Resp: 13940

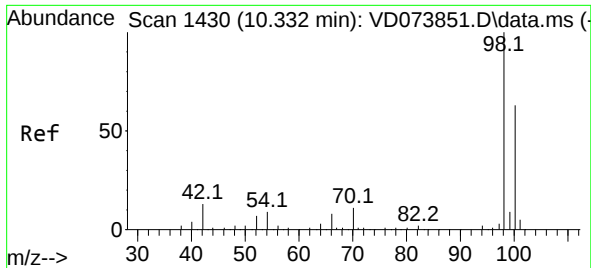
Ion Ratio Lower Upper

117 100

119 4.5 75.8 113.6#

121 0.0 24.5 36.7#

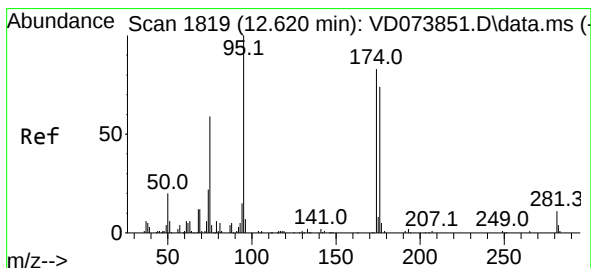
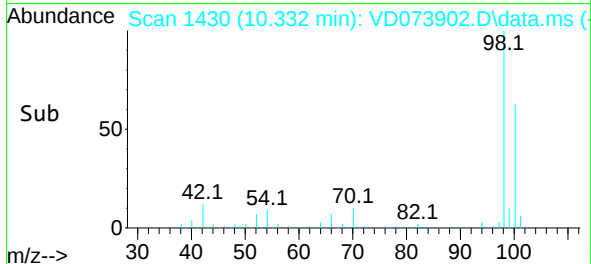
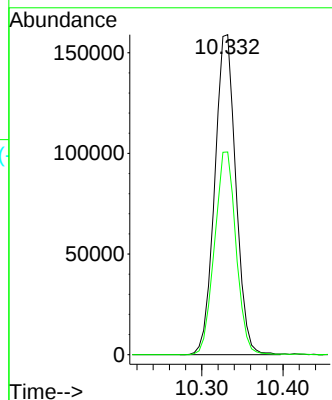
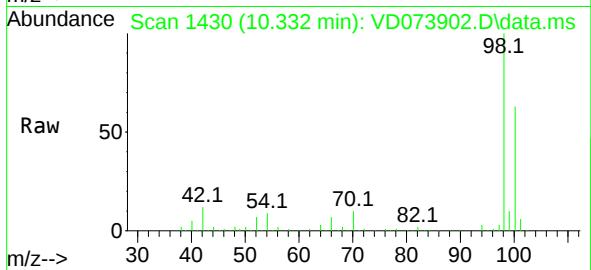




#50
Toluene-d8
Concen: 49.136 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073902.D
Acq: 21 Jul 2022 18:06

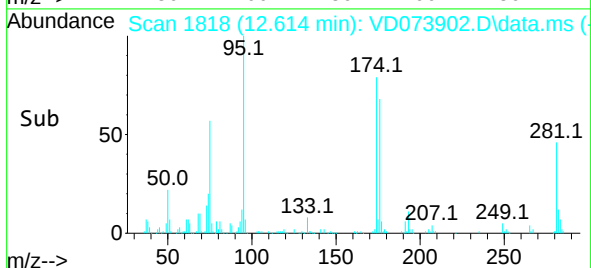
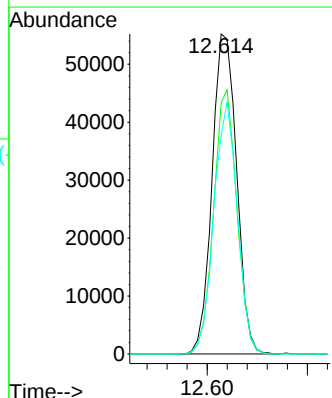
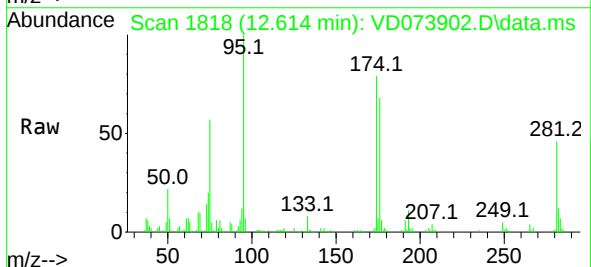
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-2(0-5)

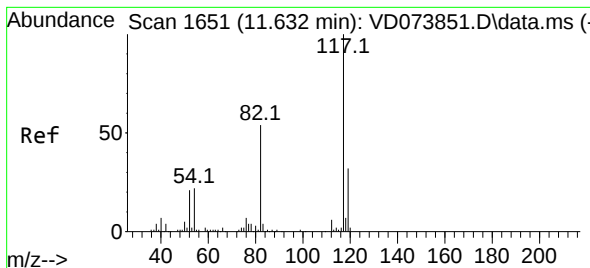
Tgt Ion: 98 Resp: 287783
Ion Ratio Lower Upper
98 100
100 64.3 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 46.594 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.006 min
Lab File: VD073902.D
Acq: 21 Jul 2022 18:06

Tgt Ion: 95 Resp: 93827
Ion Ratio Lower Upper
95 100
174 78.5 0.0 152.8
176 75.4 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: VD073902.D

Acq: 21 Jul 2022 18:06

Instrument :

MSVOA_D

ClientSampleId :

ENV-DE-2(0-5)

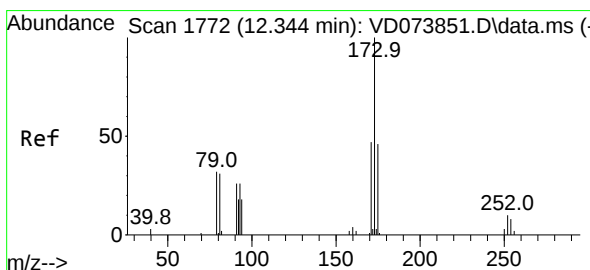
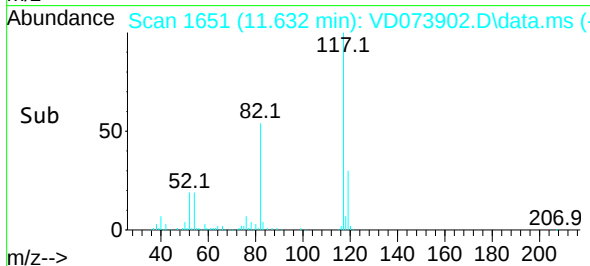
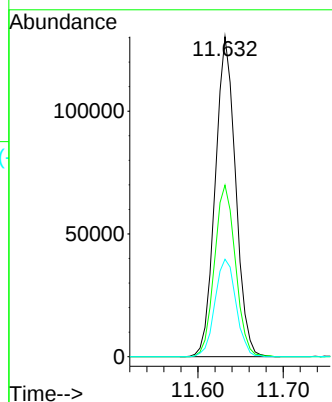
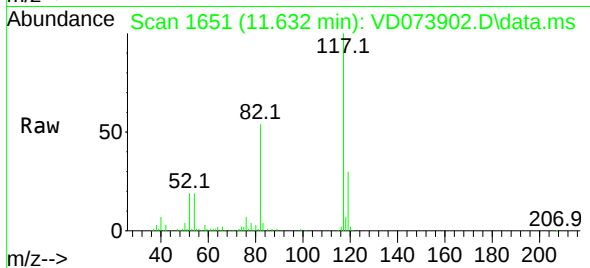
Tgt Ion:117 Resp: 216712

Ion Ratio Lower Upper

117 100

82 53.6 45.3 67.9

119 30.5 26.6 40.0



#71

Bromoform

Concen: 1.037 ug/l

RT: 12.614 min Scan# 1818

Delta R.T. 0.270 min

Lab File: VD073902.D

Acq: 21 Jul 2022 18:06

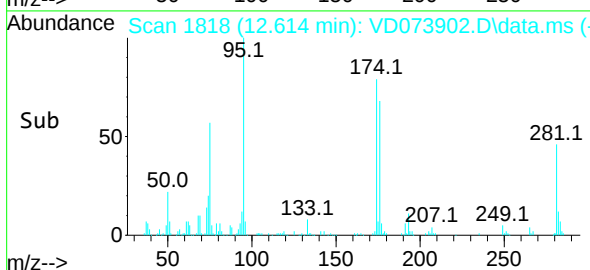
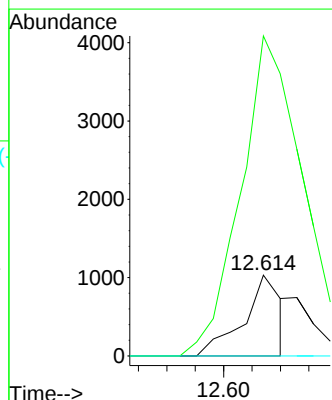
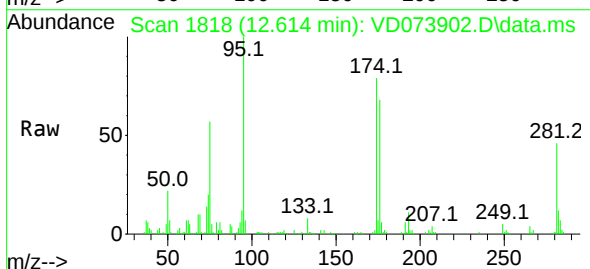
Tgt Ion:173 Resp: 952

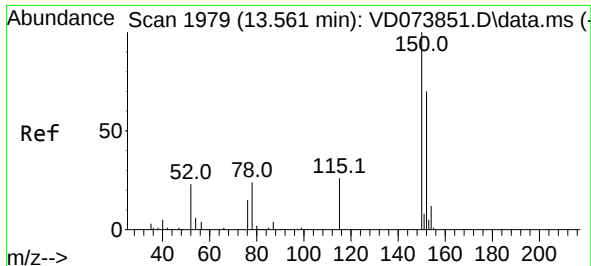
Ion Ratio Lower Upper

173 100

175 454.8 23.9 71.8#

254 0.0 0.0 0.0

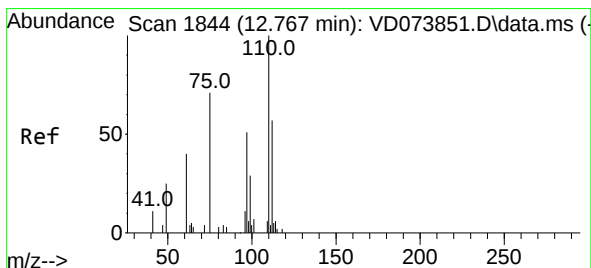
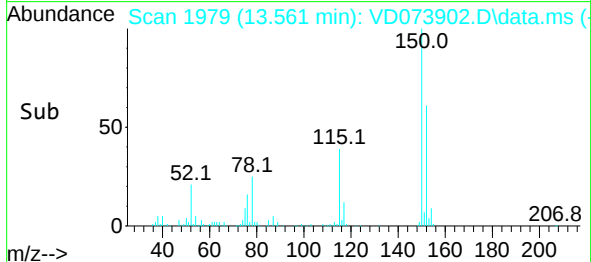
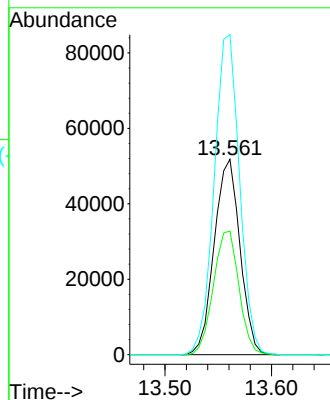
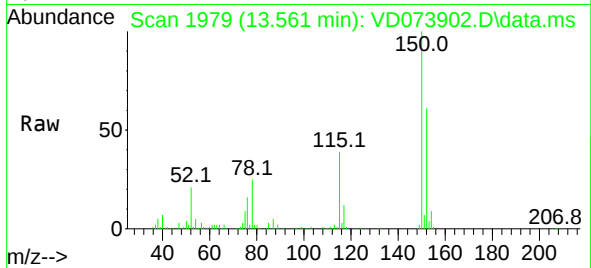




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073902.D
Acq: 21 Jul 2022 18:06

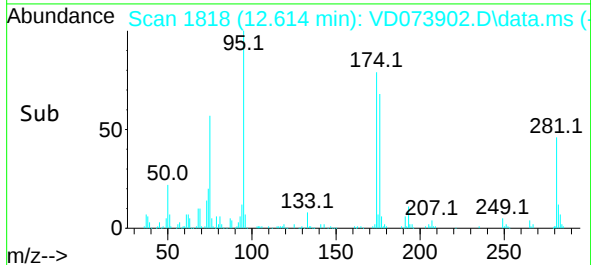
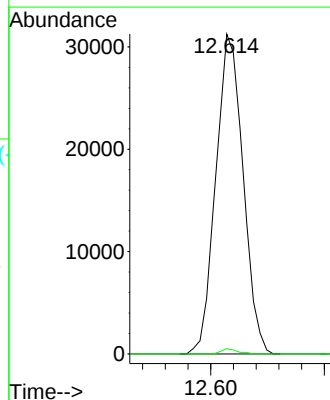
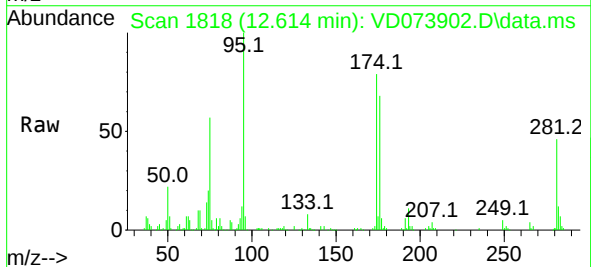
Instrument :
MSVOA_D
ClientSampleId :
ENV-DE-2(0-5)

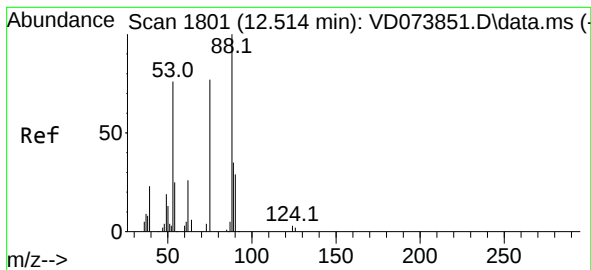
Tgt Ion:152 Resp: 87040
Ion Ratio Lower Upper
152 100
115 62.7 31.3 93.8
150 161.4 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 55.747 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.153 min
Lab File: VD073902.D
Acq: 21 Jul 2022 18:06

Tgt Ion: 75 Resp: 52062
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 150.429 ug/l
 RT: 12.614 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD073902.D
 Acq: 21 Jul 2022 18:06

Instrument :
 MSVOA_D
 ClientSampleId :
 ENV-DE-2(0-5)

Tgt Ion: 75 Resp: 52062
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.5 33.9 50.9#

