

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070722\
 Data File : VD073818.D
 Acq On : 07 Jul 2022 19:59
 Operator : VA/SY
 Sample : N3593-08
 Misc : 9.98G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20220485B-3B

Quant Time: Jul 08 06:35:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070622S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 05:39:57 2022
 Response via : Initial Calibration

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

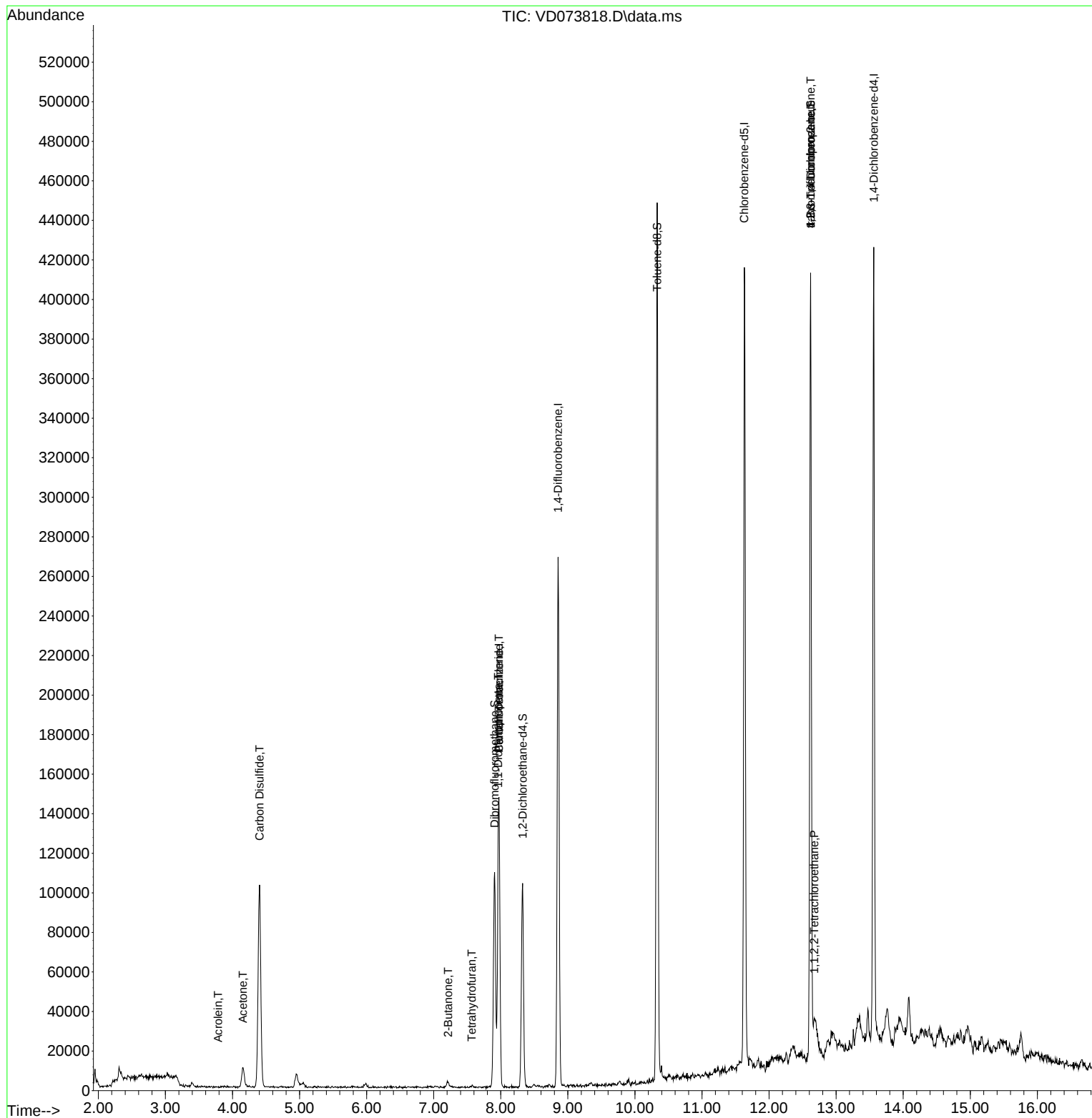
Internal Standards						
1) Pentafluorobenzene	7.973	168	99781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	218665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	213886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	91718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	81226	66.161	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.320%	
35) Dibromofluoromethane	7.908	113	75015	55.911	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.820%	
50) Toluene-d8	10.332	98	285100	62.726	ug/l	0.00
Spiked Amount	50.000	Range	78 - 12	Recovery	= 125.460%#	
62) 4-Bromofluorobenzene	12.620	95	103991	55.662	ug/l	0.00
Spiked Amount	50.000	Range	50 - 14	Recovery	= 111.320%#	
Target Compounds						Qvalue
3) Chloromethane	2.214	50	235	Below Cal	#	40
5) Bromomethane	2.750	94	79	Below Cal	#	79
13) Acrolein	3.785	56	56	21.472	ug/l #	15
16) Acetone	4.156	43	18757	69.184	ug/l	99
17) Carbon Disulfide	4.403	76	209363	210.530	ug/l	97
18) Methyl Acetate	4.726	43	435	Below Cal	#	53
20) Methylene Chloride	4.961	84	4680	Below Cal	#	89
25) 2-Butanone	7.214	43	5149	12.767	ug/l	90
29) Tetrahydrofuran	7.567	42	724	3.041	ug/l #	48
31) Cyclohexane	7.973	56	3466	Below Cal	#	54
36) 1,1-Dichloropropene	7.961	75	10506	6.120	ug/l #	51
38) Carbon Tetrachloride	7.973	117	11783	6.038	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	12.673	83	1882	1.283	ug/l #	34
76) 1,2,3-Trichloropropane	12.620	75	59206	59.289	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	59206	132.458	ug/l #	11

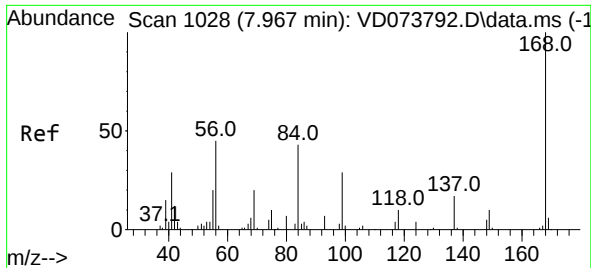
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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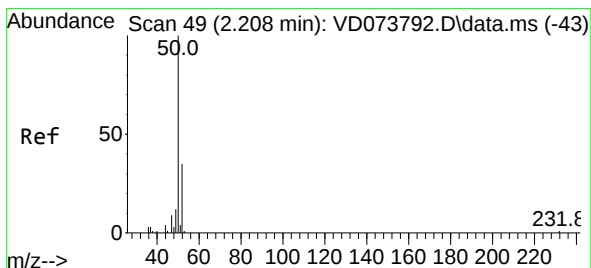
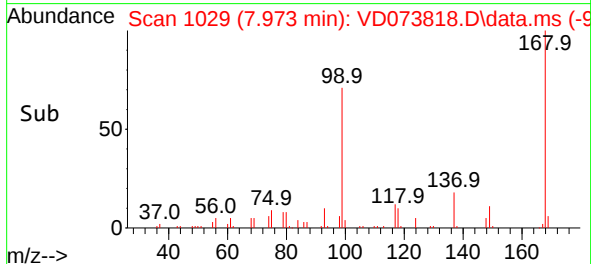
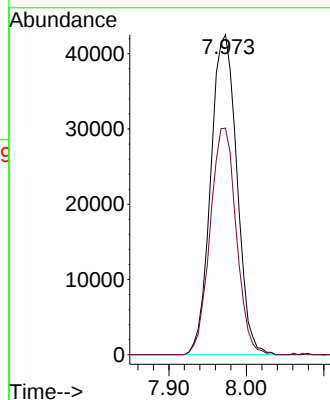
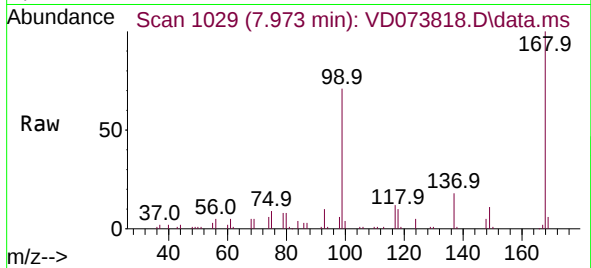




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD073818.D
Acq: 07 Jul 2022 19:59

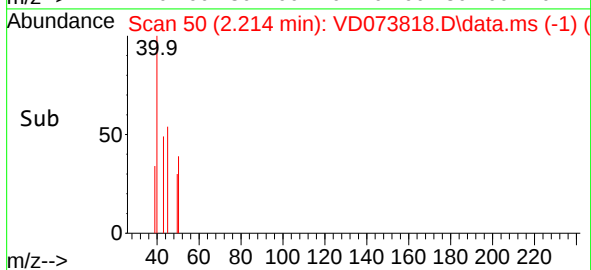
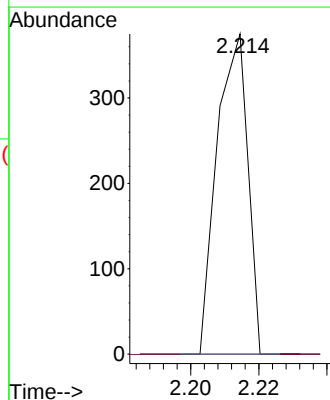
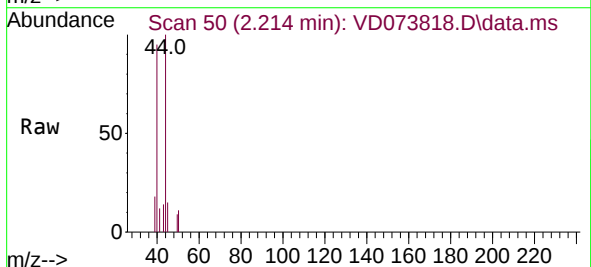
Instrument :
MSVOA_D
ClientSampleId :
20220485B-3B

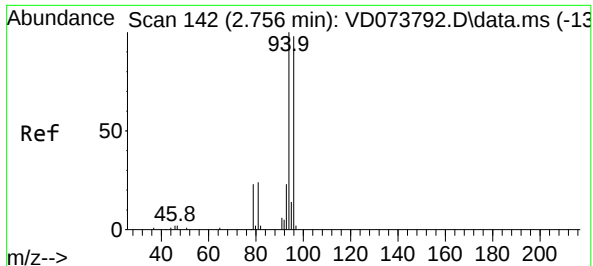
Tgt Ion:168 Resp: 99781
Ion Ratio Lower Upper
168 100
99 70.8 58.4 87.6



#3
Chloromethane
Concen: Below Cal
RT: 2.214 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD073818.D
Acq: 07 Jul 2022 19:59

Tgt Ion: 50 Resp: 235
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

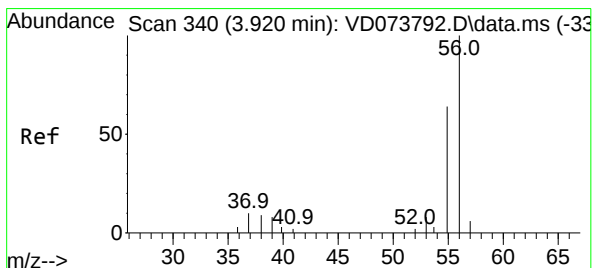
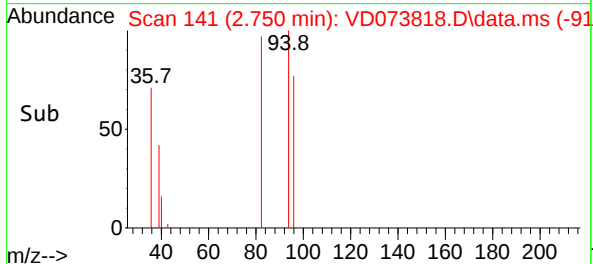
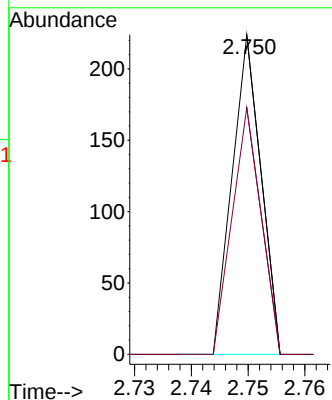
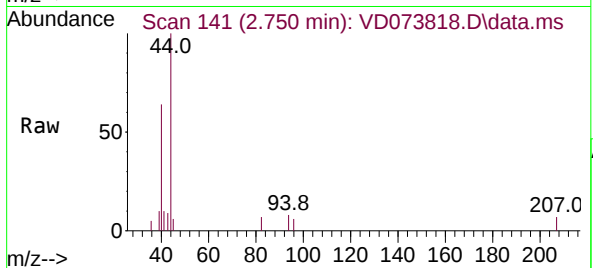




#5
Bromomethane
Concen: Below Cal
RT: 2.750 min Scan# 14
Delta R.T. -0.006 min
Lab File: VD073818.D
Acq: 07 Jul 2022 19:59

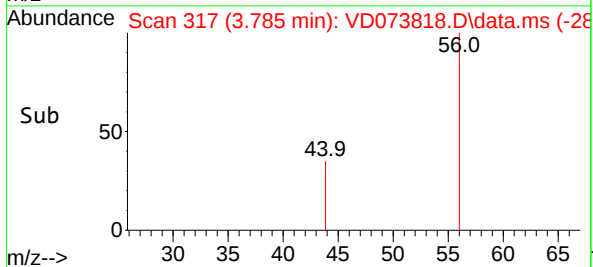
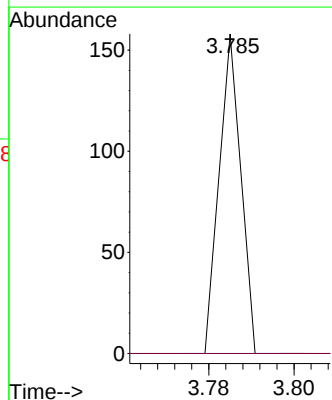
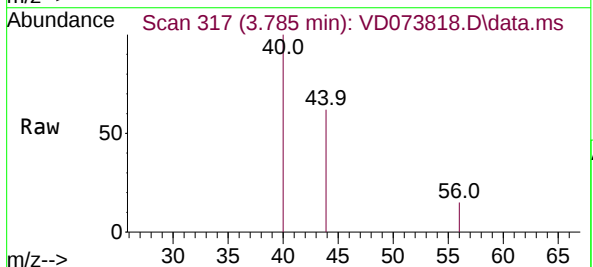
Instrument :
MSVOA_D
ClientSampleId :
20220485B-3B

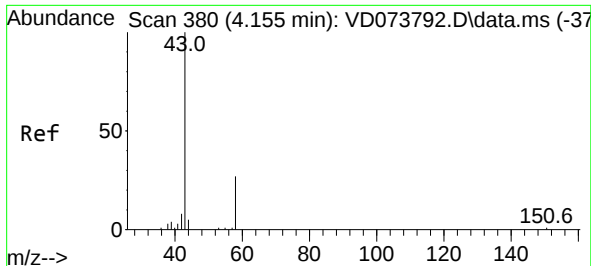
Tgt Ion: 94 Resp: 79
Ion Ratio Lower Upper
94 100
96 77.2 78.3 117.5#



#13
Acrolein
Concen: 21.472 ug/l
RT: 3.785 min Scan# 317
Delta R.T. -0.135 min
Lab File: VD073818.D
Acq: 07 Jul 2022 19:59

Tgt Ion: 56 Resp: 56
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.2#





#16

Acetone

Concen: 69.184 ug/l

RT: 4.156 min Scan# 380

Delta R.T. 0.001 min

Lab File: VD073818.D

Acq: 07 Jul 2022 19:59

Instrument :

MSVOA_D

ClientSampleId :

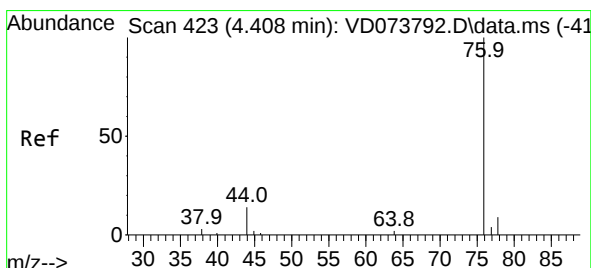
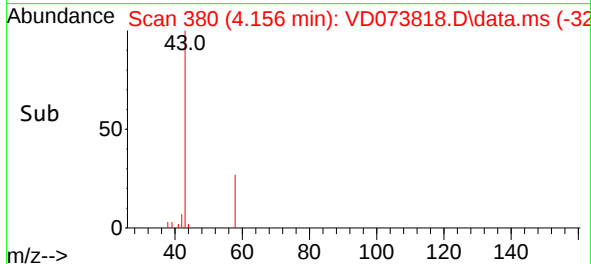
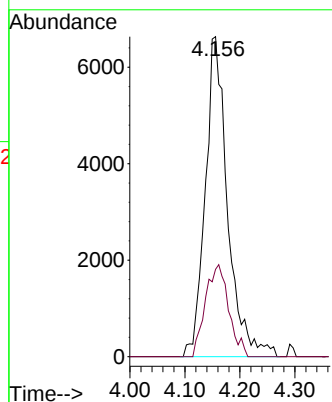
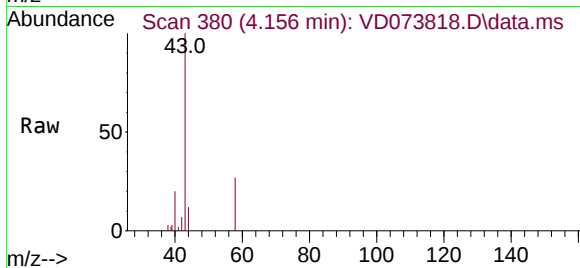
20220485B-3B

Tgt Ion: 43 Resp: 18757

Ion Ratio Lower Upper

43 100

58 27.3 21.3 31.9



#17

Carbon Disulfide

Concen: 210.530 ug/l

RT: 4.403 min Scan# 422

Delta R.T. -0.005 min

Lab File: VD073818.D

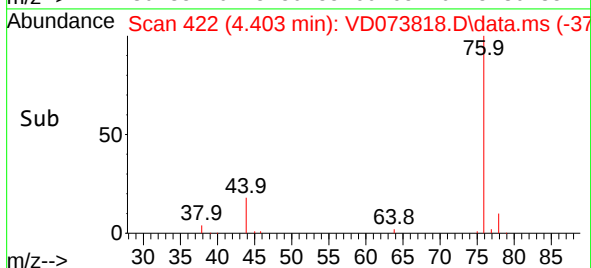
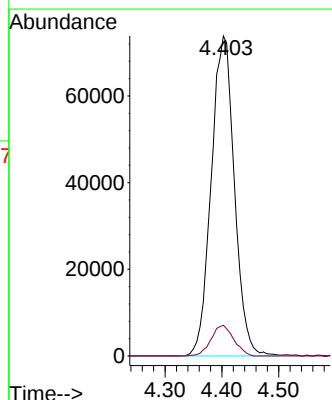
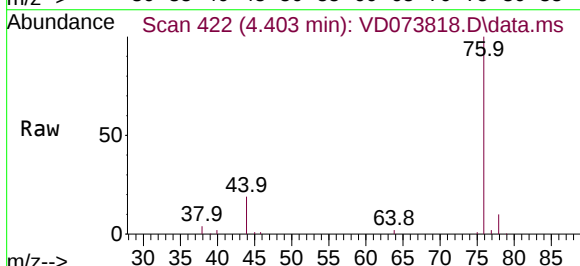
Acq: 07 Jul 2022 19:59

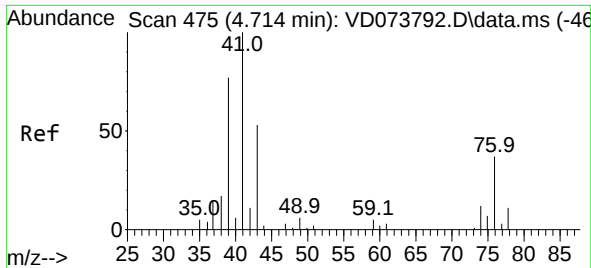
Tgt Ion: 76 Resp: 209363

Ion Ratio Lower Upper

76 100

78 9.6 6.8 10.2

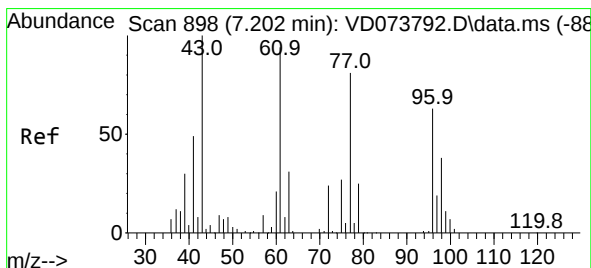
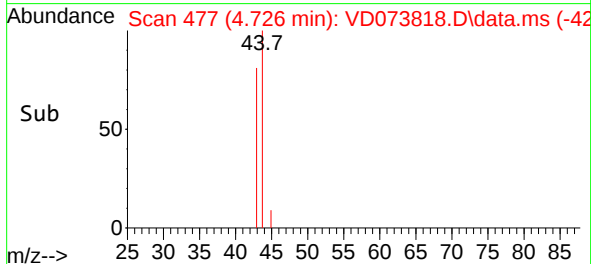
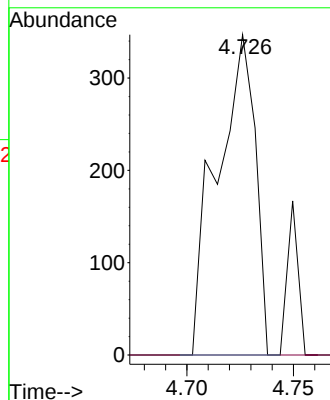
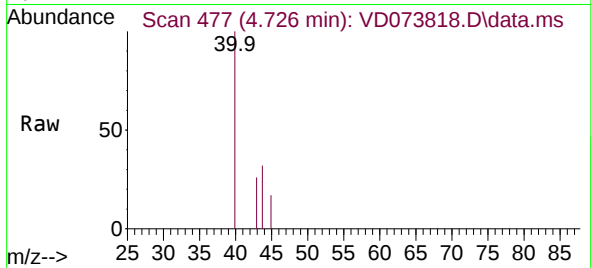




#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD073818.D
Acq: 07 Jul 2022 19:59

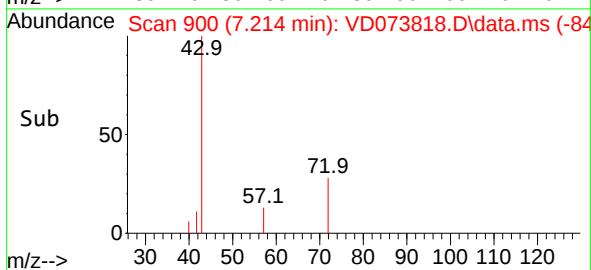
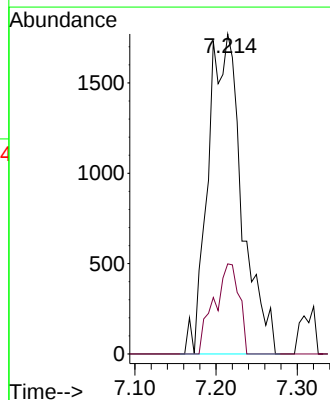
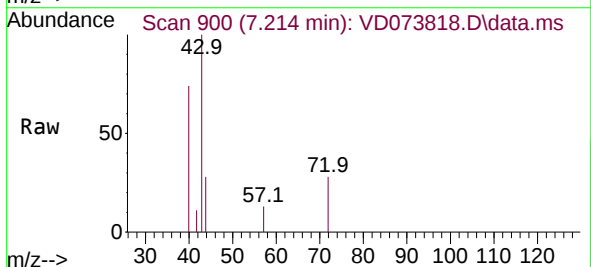
Instrument :
MSVOA_D
ClientSampleId :
20220485B-3B

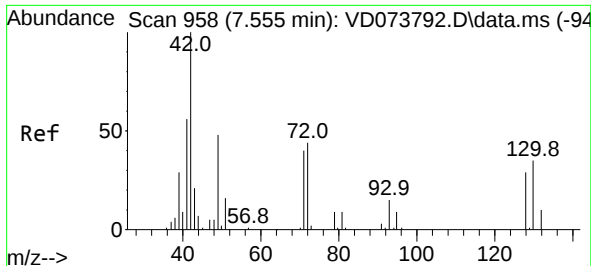
Tgt Ion: 43 Resp: 435
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#25
2-Butanone
Concen: 12.767 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.012 min
Lab File: VD073818.D
Acq: 07 Jul 2022 19:59

Tgt Ion: 43 Resp: 5149
Ion Ratio Lower Upper
43 100
72 28.2 18.8 28.2





#29

Tetrahydrofuran

Concen: 3.041 ug/l

RT: 7.567 min Scan# 9

Delta R.T. 0.012 min

Lab File: VD073818.D

Acq: 07 Jul 2022 19:59

Instrument :

MSVOA_D

ClientSampleId :

20220485B-3B

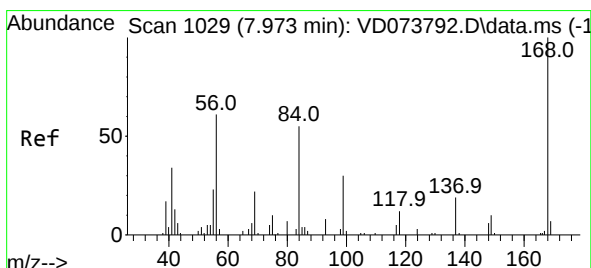
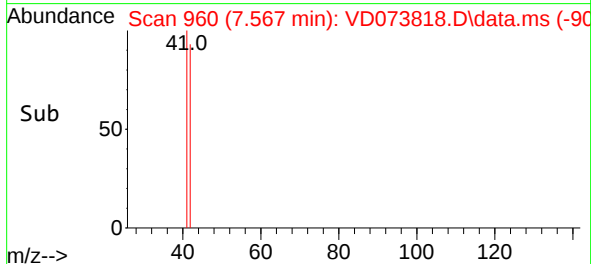
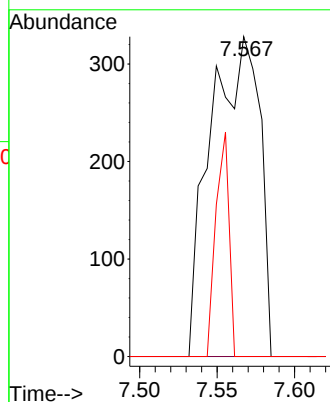
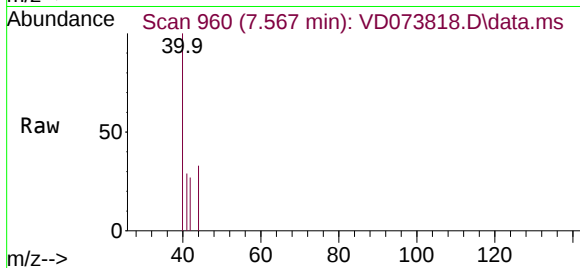
Tgt Ion: 42 Resp: 724

Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

71 18.8 33.0 49.6#



#31

Cyclohexane

Concen: Below Cal

RT: 7.973 min Scan# 1029

Delta R.T. 0.000 min

Lab File: VD073818.D

Acq: 07 Jul 2022 19:59

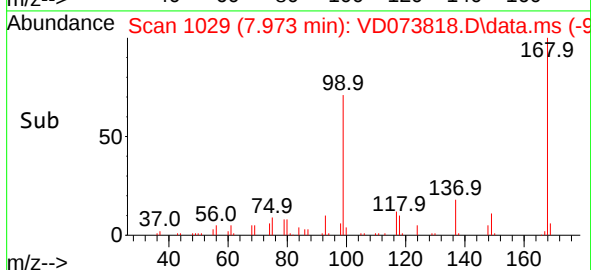
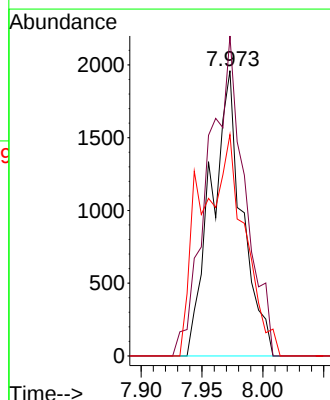
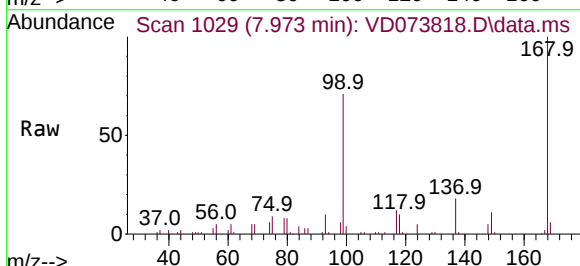
Tgt Ion: 56 Resp: 3466

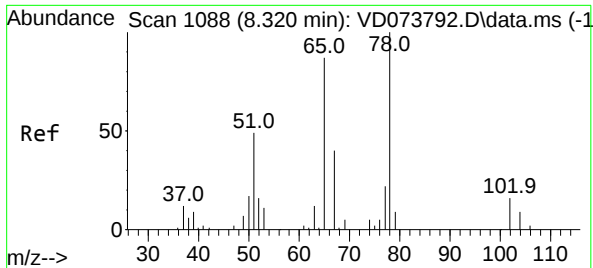
Ion Ratio Lower Upper

56 100

69 112.2 29.4 44.2#

84 77.7 72.1 108.1





#33

1,2-Dichloroethane-d4

Concen: 66.161 ug/l

RT: 8.326 min Scan# 1088

Delta R.T. 0.006 min

Lab File: VD073818.D

Acq: 07 Jul 2022 19:59

Instrument :

MSVOA_D

ClientSampleId :

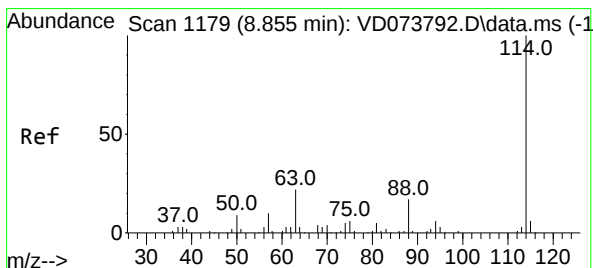
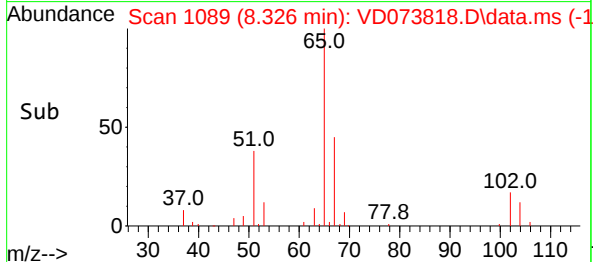
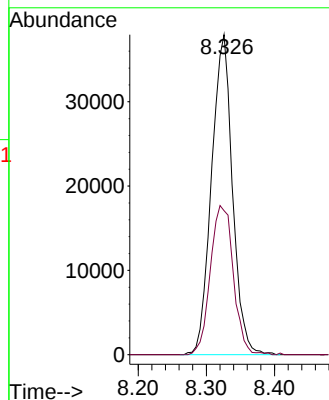
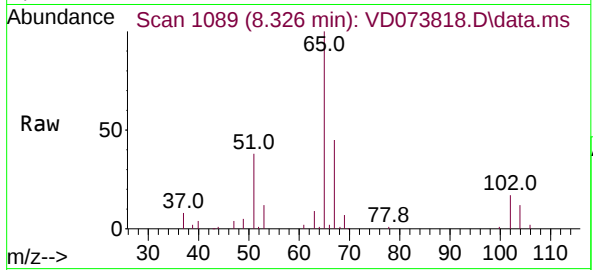
20220485B-3B

Tgt Ion: 65 Resp: 81226

Ion Ratio Lower Upper

65 100

67 51.1 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073818.D

Acq: 07 Jul 2022 19:59

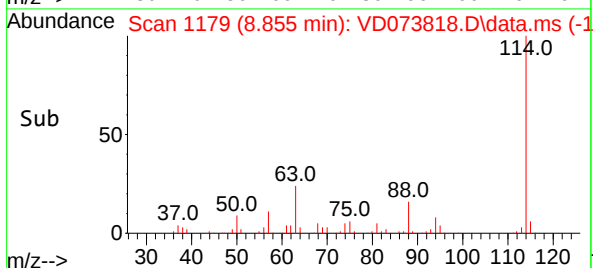
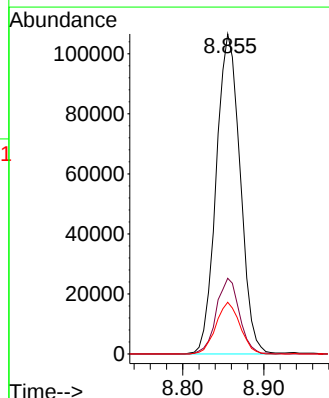
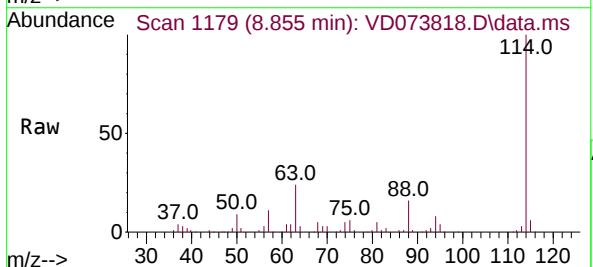
Tgt Ion: 114 Resp: 218665

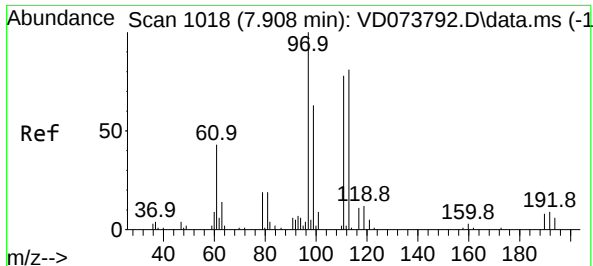
Ion Ratio Lower Upper

114 100

63 23.6 0.0 44.2

88 16.1 0.0 33.6





#35

Dibromofluoromethane

Concen: 55.911 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073818.D

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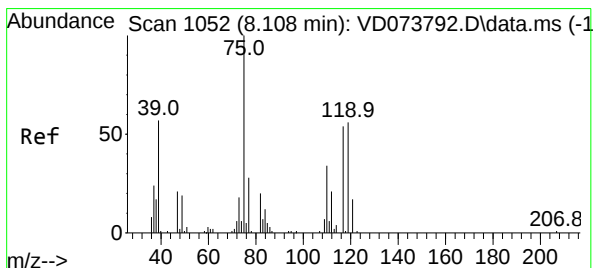
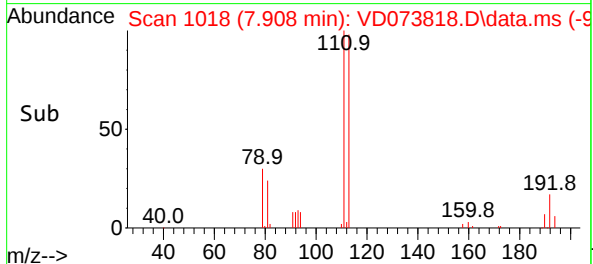
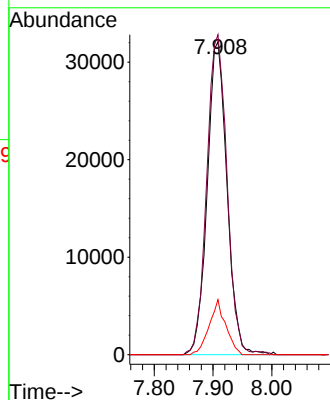
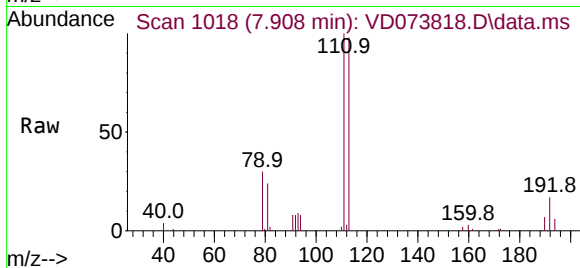
Tgt Ion:113 Resp: 75015

Ion Ratio Lower Upper

113 100

111 104.3 82.7 124.1

192 14.8 11.7 17.5



#36

1,1-Dichloropropene

Concen: 6.120 ug/l

RT: 7.961 min Scan# 1027

Delta R.T. -0.147 min

Lab File: VD073818.D

Acq: 07 Jul 2022 19:59

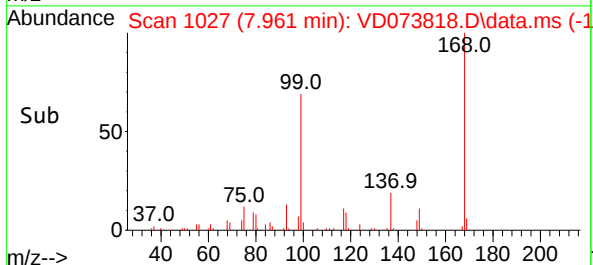
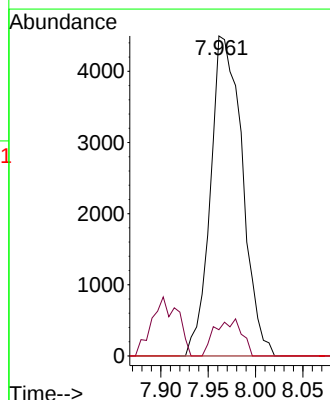
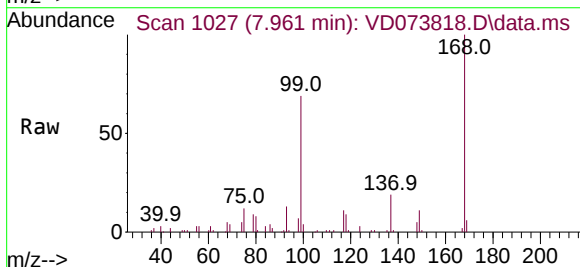
Tgt Ion: 75 Resp: 10506

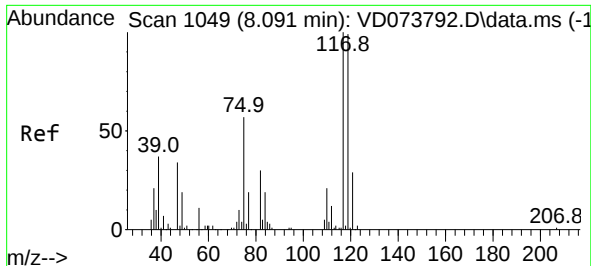
Ion Ratio Lower Upper

75 100

110 9.8 16.9 50.7#

77 0.0 24.8 37.2#

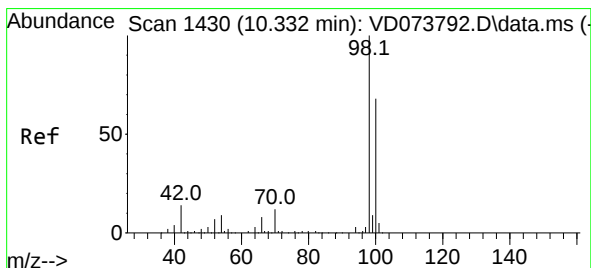
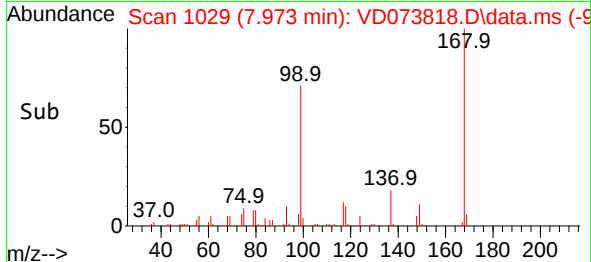
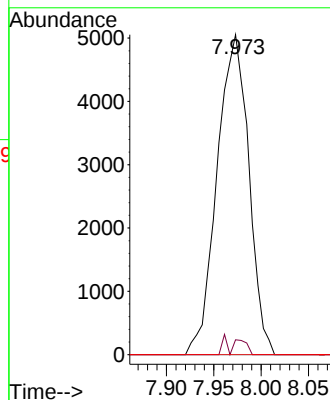
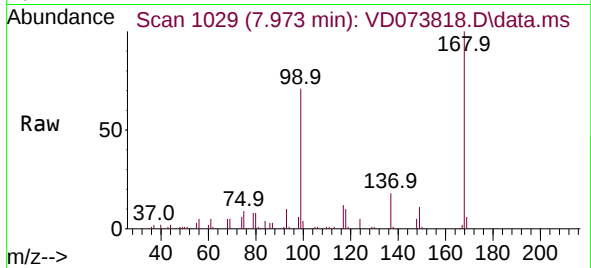




#38
Carbon Tetrachloride
Concen: 6.038 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073818.D
Acq: 07 Jul 2022 19:59

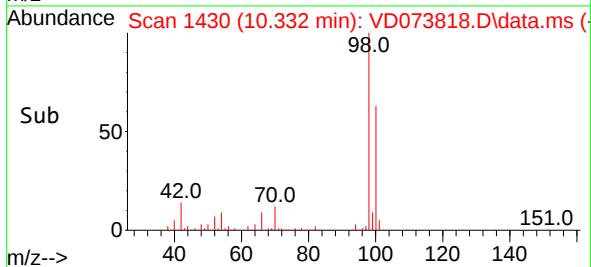
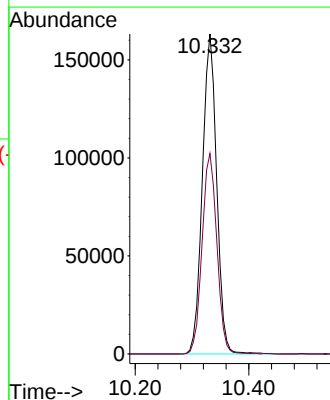
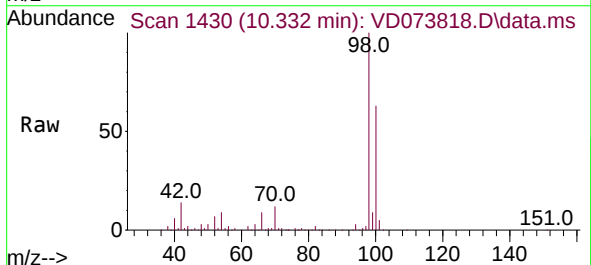
Instrument :
MSVOA_D
ClientSampleId :
20220485B-3B

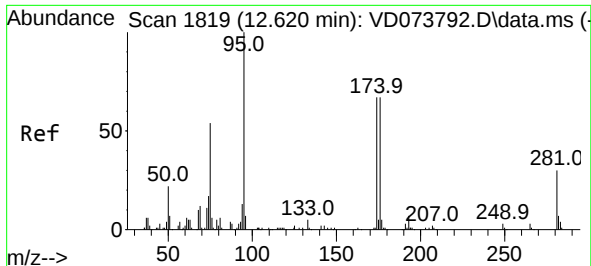
Tgt Ion:117 Resp: 11783
Ion Ratio Lower Upper
117 100
119 4.6 79.3 118.9#
121 0.0 22.9 34.3#



#50
Toluene-d8
Concen: 62.726 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073818.D
Acq: 07 Jul 2022 19:59

Tgt Ion: 98 Resp: 285100
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9

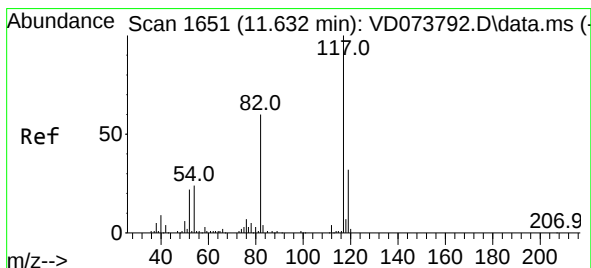
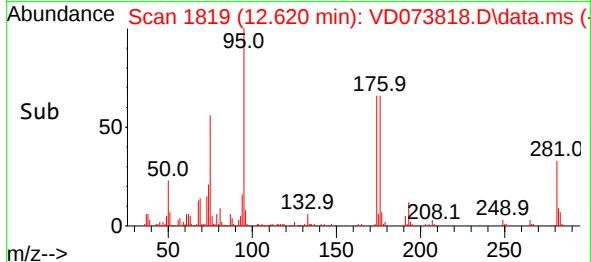
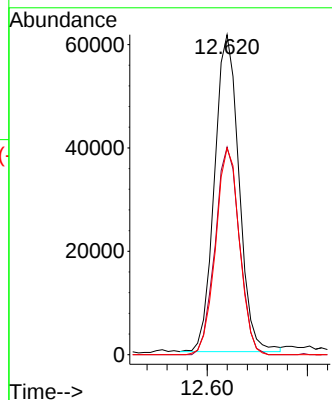
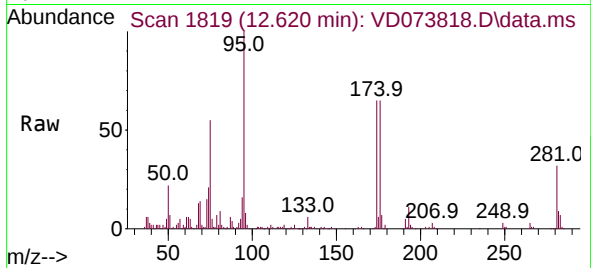




#62
4-Bromofluorobenzene
Concen: 55.662 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073818.D
Acq: 07 Jul 2022 19:59

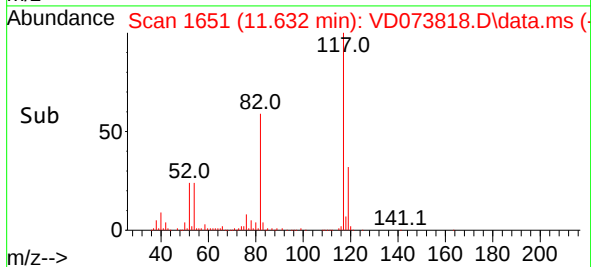
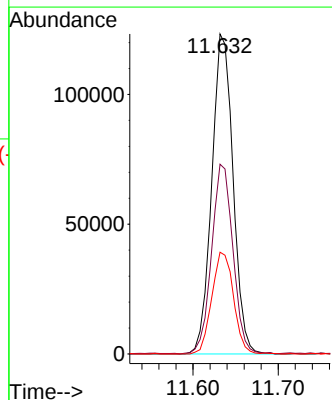
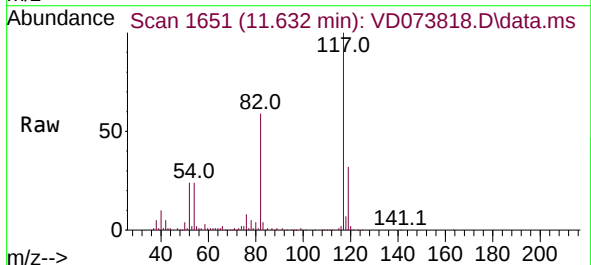
Instrument :
MSVOA_D
ClientSampleId :
20220485B-3B

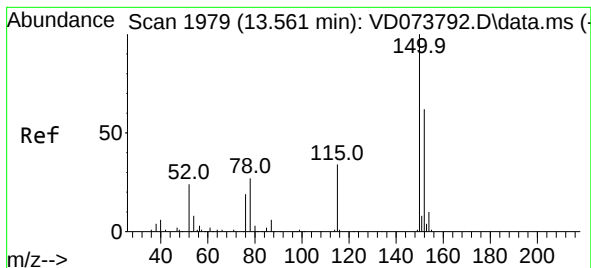
Tgt Ion: 95 Resp: 103991
Ion Ratio Lower Upper
95 100
174 64.6 0.0 132.4
176 63.2 0.0 129.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.000 min
Lab File: VD073818.D
Acq: 07 Jul 2022 19:59

Tgt Ion: 117 Resp: 213886
Ion Ratio Lower Upper
117 100
82 59.3 48.2 72.2
119 31.8 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD073818.D

Acq: 07 Jul 2022 19:59

Instrument :

MSVOA_D

ClientSampleId :

20220485B-3B

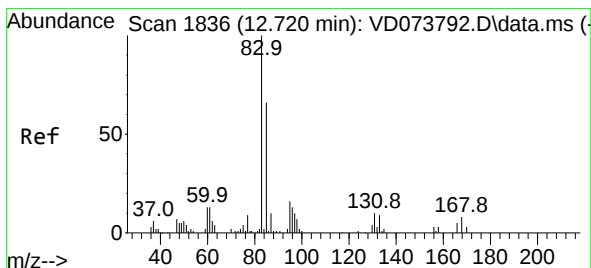
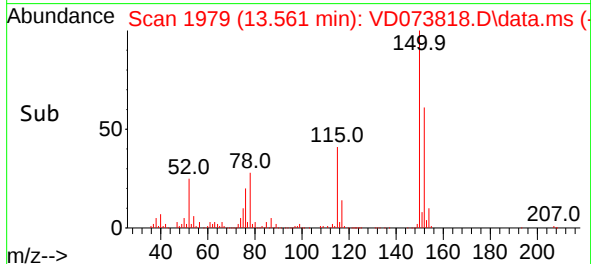
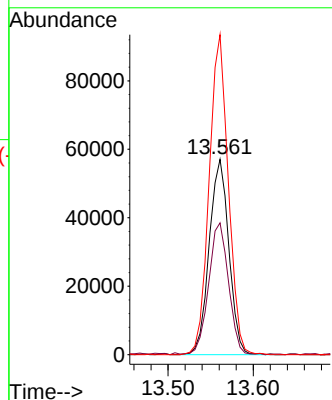
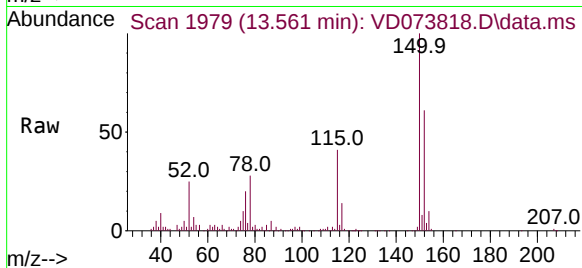
Tgt Ion:152 Resp: 91718

Ion Ratio Lower Upper

152 100

115 68.2 32.2 96.6

150 159.0 0.0 353.0



#75

1,1,2,2-Tetrachloroethane

Concen: 1.283 ug/l

RT: 12.673 min Scan# 1828

Delta R.T. -0.047 min

Lab File: VD073818.D

Acq: 07 Jul 2022 19:59

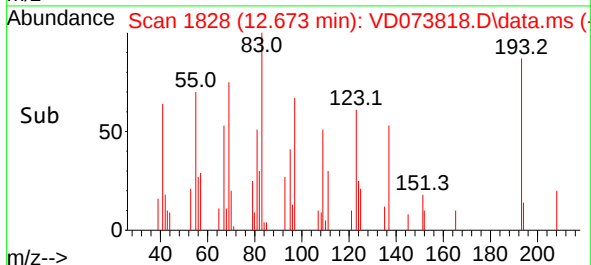
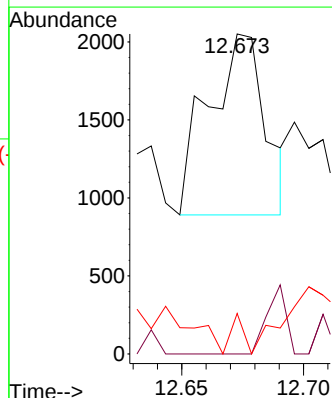
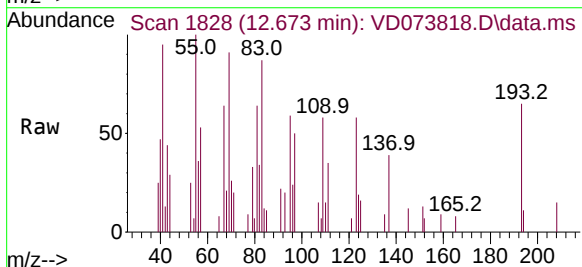
Tgt Ion: 83 Resp: 1882

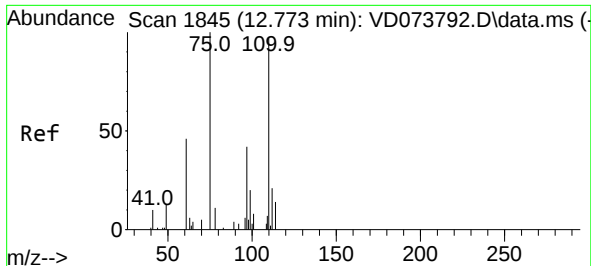
Ion Ratio Lower Upper

83 100

131 12.8 5.2 15.6

85 4.8 32.0 96.0#

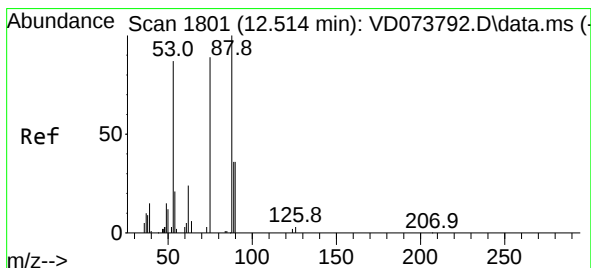
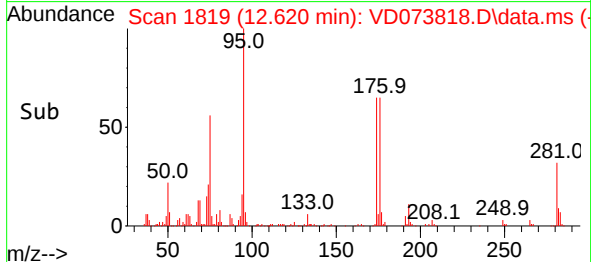
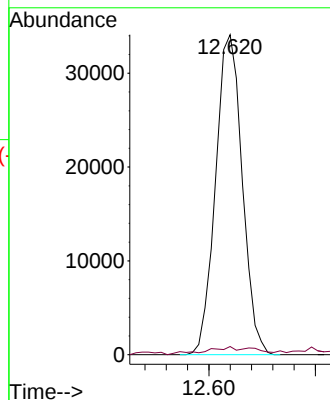
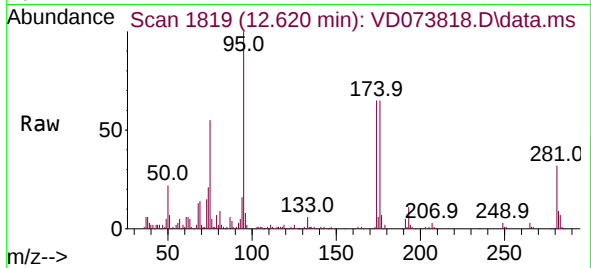




#76
1,2,3-Trichloropropane
Concen: 59.289 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD073818.D
Acq: 07 Jul 2022 19:59

Instrument :
MSVOA_D
ClientSampleId :
20220485B-3B

Tgt Ion: 75 Resp: 59206
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.458 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073818.D
Acq: 07 Jul 2022 19:59

Tgt Ion: 75 Resp: 59206
Ion Ratio Lower Upper
75 100
53 0.6 77.6 116.4#
89 0.7 37.2 55.8#

