

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070122\
 Data File : VD073765.D
 Acq On : 01 Jul 2022 15:37
 Operator : VA/SY
 Sample : N3562-01
 Misc : 5.61G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-7A

Quant Time: Jul 05 05:08:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D063022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 05 04:59:39 2022
 Response via : Initial Calibration

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

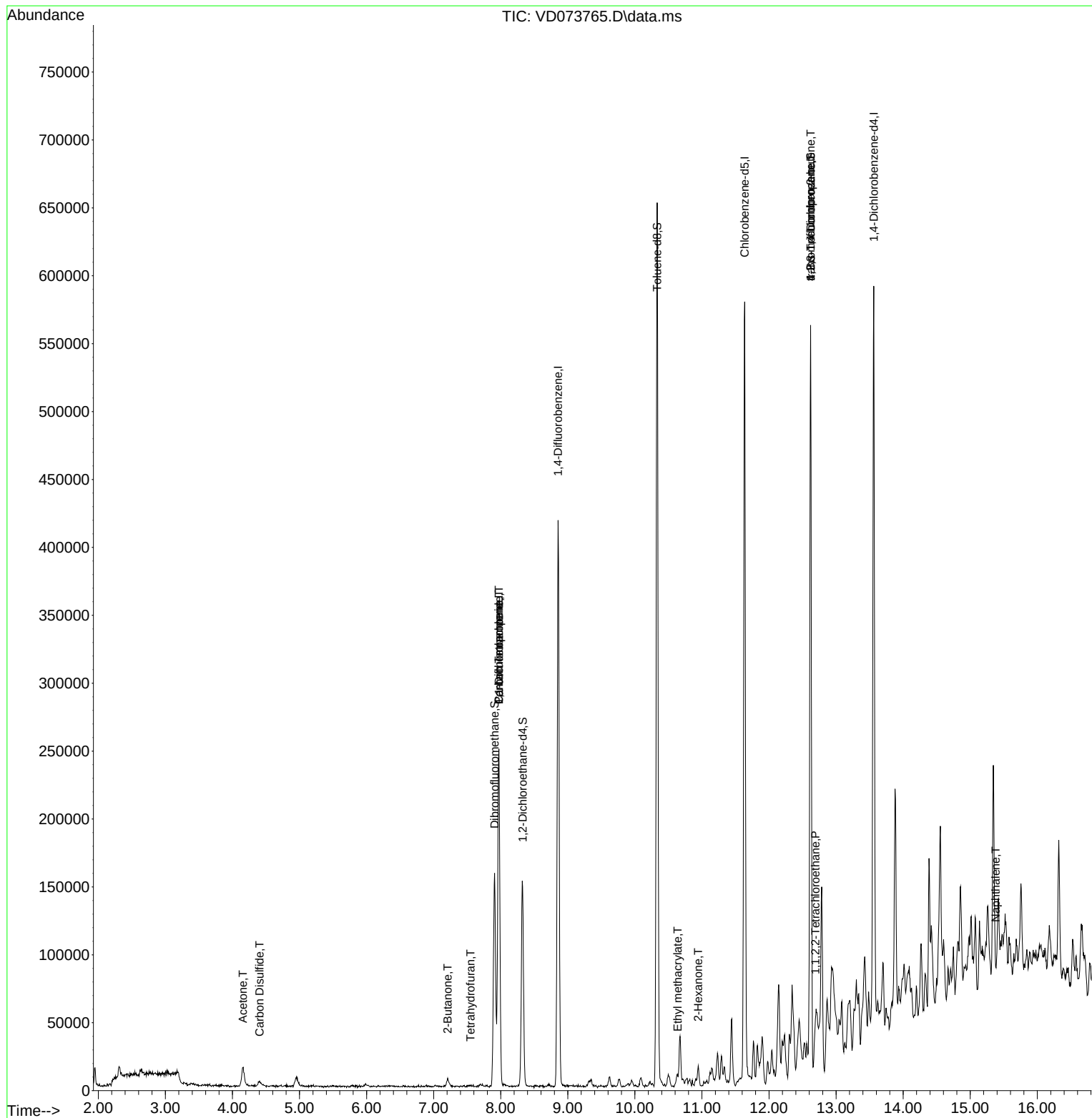
Internal Standards						
1) Pentafluorobenzene	7.973	168	171377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	348715	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	310472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	134764	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	117448	70.251	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.500%	
35) Dibromofluoromethane	7.908	113	109706	57.912	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.820%	
50) Toluene-d8	10.332	98	431459	62.090	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 124.180%	
62) 4-Bromofluorobenzene	12.620	95	151449	55.258	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.520%	
Target Compounds						Qvalue
5) Bromomethane	2.773	94	694	Below Cal	90	
16) Acetone	4.156	43	24886	71.545	ug/l	91
17) Carbon Disulfide	4.403	76	7647	3.468	ug/l #	91
18) Methyl Acetate	4.726	43	149	Below Cal	# 50	
20) Methylene Chloride	4.962	84	4697	Below Cal	# 77	
25) 2-Butanone	7.208	43	8445	14.784	ug/l	96
29) Tetrahydrofuran	7.550	42	693	1.919	ug/l #	45
31) Cyclohexane	7.967	56	5576	Below Cal	# 53	
36) 1,1-Dichloropropene	7.973	75	15891	6.042	ug/l #	49
38) Carbon Tetrachloride	7.973	117	19359	6.855	ug/l #	16
56) Ethyl methacrylate	10.638	69	2601	1.131	ug/l	96
59) 2-Hexanone	10.944	43	6926	6.754	ug/l #	25
75) 1,1,2,2-Tetrachloroethane	12.691	83	2467	1.212	ug/l #	26
76) 1,2,3-Trichloropropane	12.620	75	81140	63.002	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	81140	121.539	ug/l #	12
95) Naphthalene	15.379	128	6286	1.233	ug/l #	76

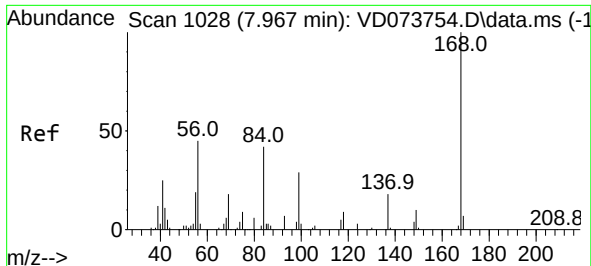
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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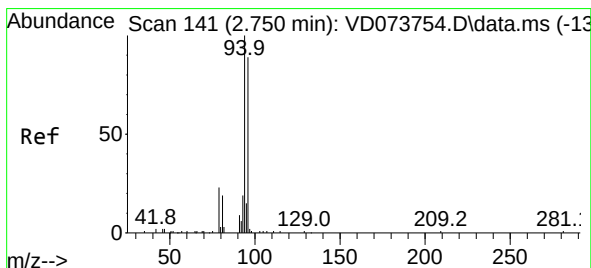
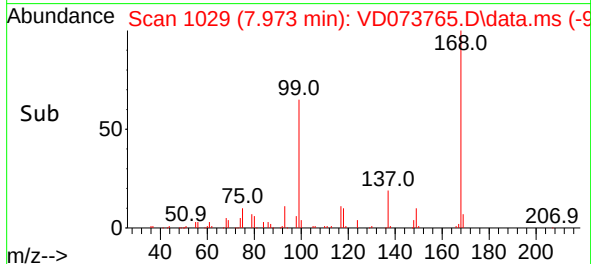
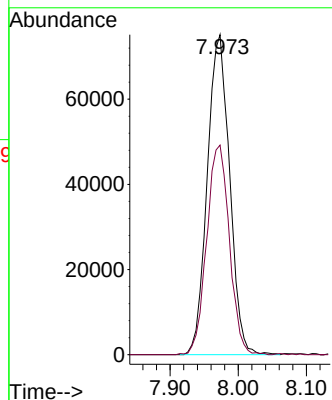
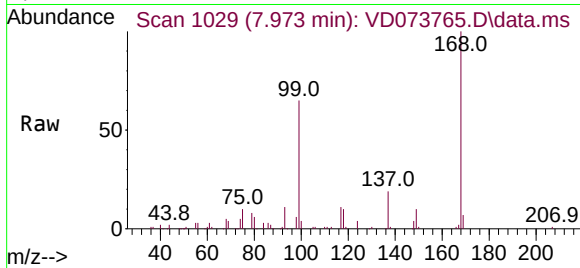




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1028
Delta R.T. 0.006 min
Lab File: VD073765.D
Acq: 01 Jul 2022 15:37

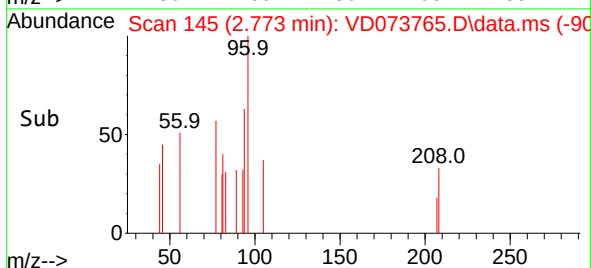
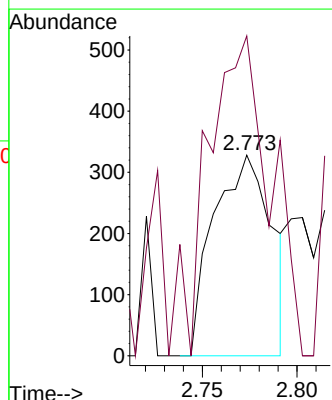
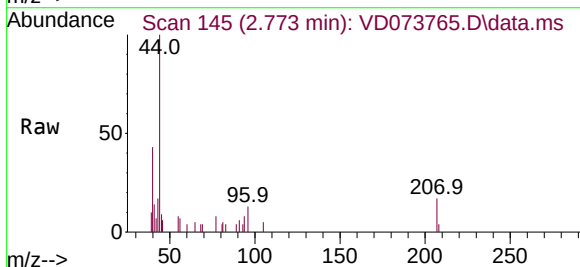
Instrument :
MSVOA_D
ClientSampleId :
SB-7A

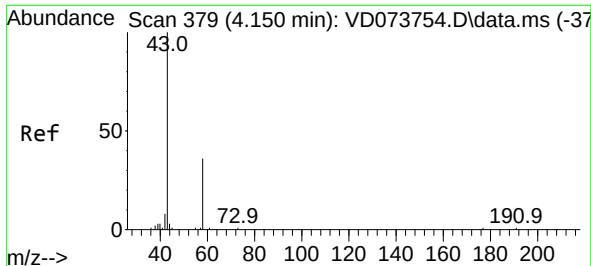
Tgt Ion:168 Resp: 171377
Ion Ratio Lower Upper
168 100
99 65.1 46.4 69.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.023 min
Lab File: VD073765.D
Acq: 01 Jul 2022 15:37

Tgt Ion: 94 Resp: 694
Ion Ratio Lower Upper
94 100
96 104.0 75.1 112.7

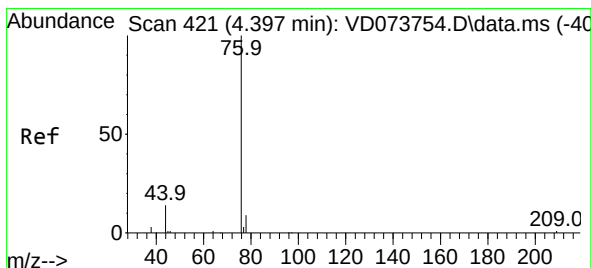
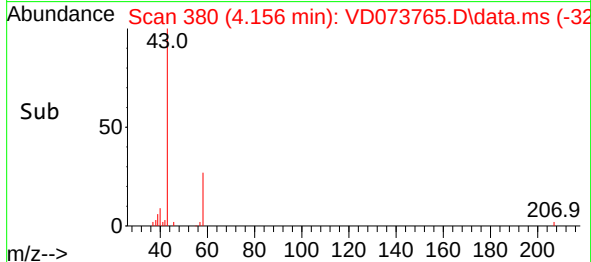
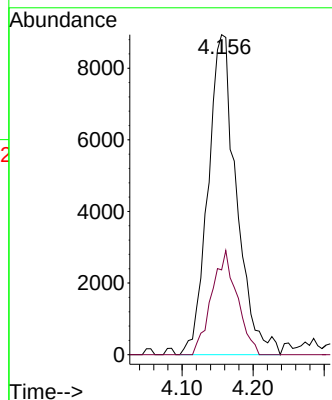
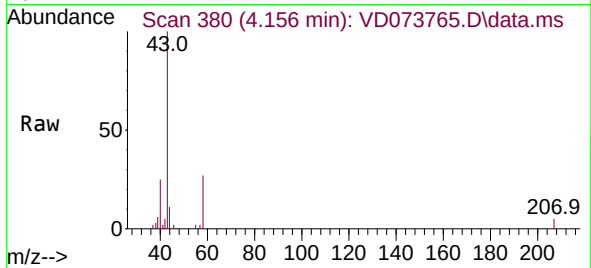




#16
Acetone
Concen: 71.545 ug/l
RT: 4.156 min Scan# 379
Delta R.T. 0.006 min
Lab File: VD073765.D
Acq: 01 Jul 2022 15:37

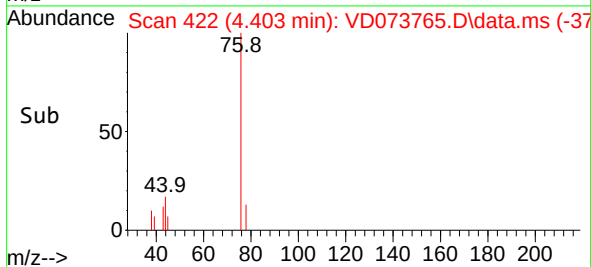
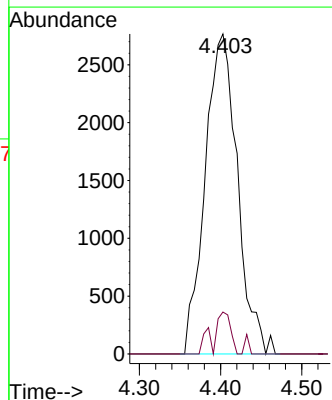
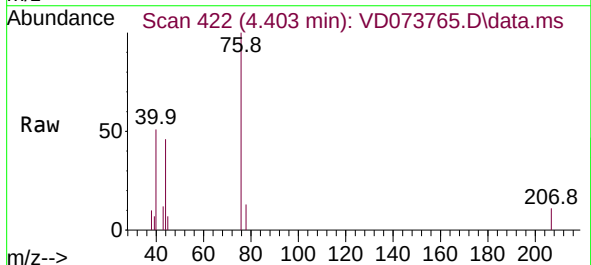
Instrument :
MSVOA_D
ClientSampleId :
SB-7A

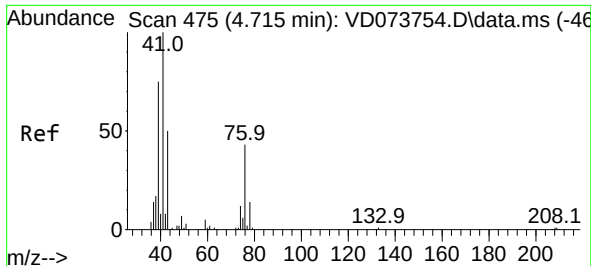
Tgt Ion: 43 Resp: 24886
Ion Ratio Lower Upper
43 100
58 26.5 25.2 37.8



#17
Carbon Disulfide
Concen: 3.468 ug/l
RT: 4.403 min Scan# 422
Delta R.T. 0.006 min
Lab File: VD073765.D
Acq: 01 Jul 2022 15:37

Tgt Ion: 76 Resp: 7647
Ion Ratio Lower Upper
76 100
78 13.1 7.7 11.5#

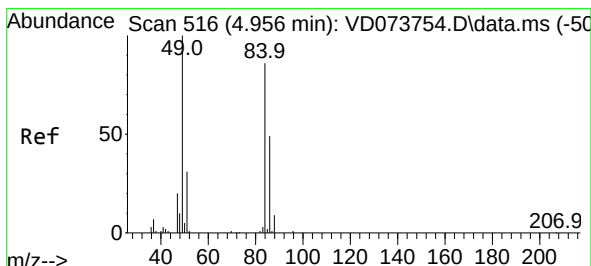
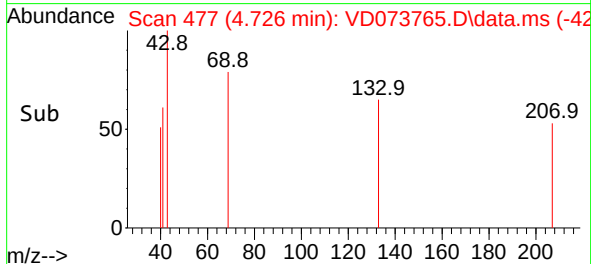
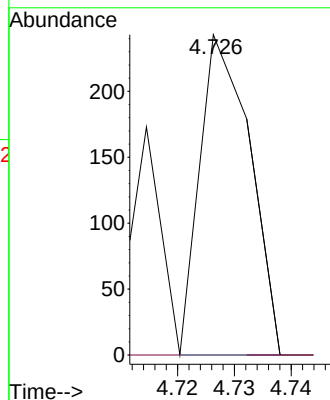
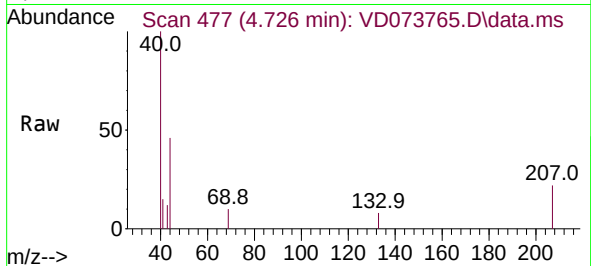




#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 41
Delta R.T. 0.011 min
Lab File: VD073765.D
Acq: 01 Jul 2022 15:37

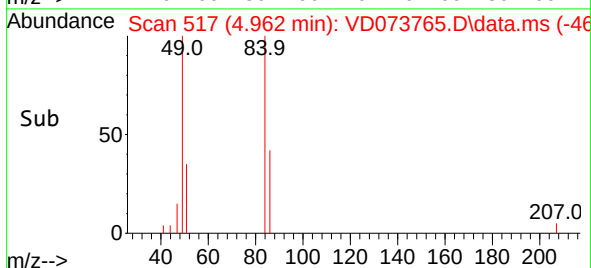
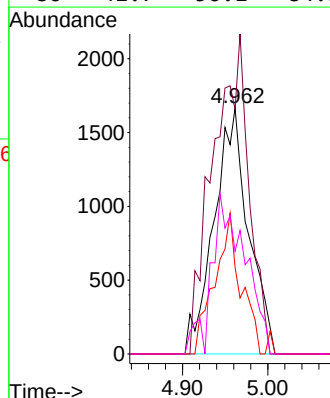
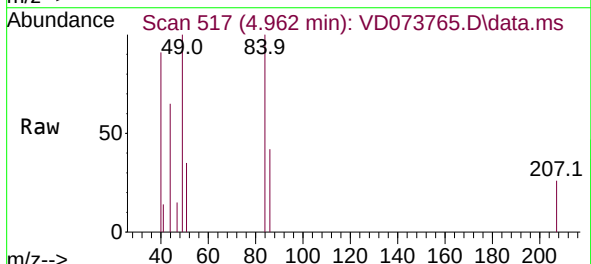
Instrument :
MSVOA_D
ClientSampleId :
SB-7A

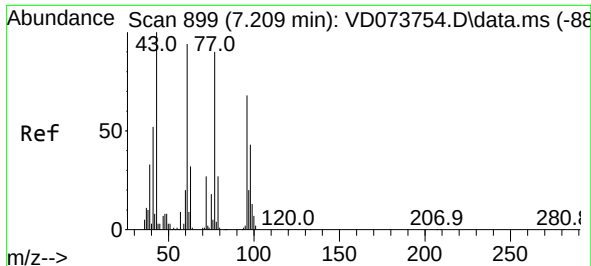
Tgt Ion: 43 Resp: 149
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD073765.D
Acq: 01 Jul 2022 15:37

Tgt Ion: 84 Resp: 4697
Ion Ratio Lower Upper
84 100
49 99.6 100.6 150.8#
51 35.2 29.8 44.6
86 41.7 56.1 84.1#





#25

2-Butanone

Concen: 14.784 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.000 min

Lab File: VD073765.D

Acq: 01 Jul 2022 15:37

Instrument :

MSVOA_D

ClientSampleId :

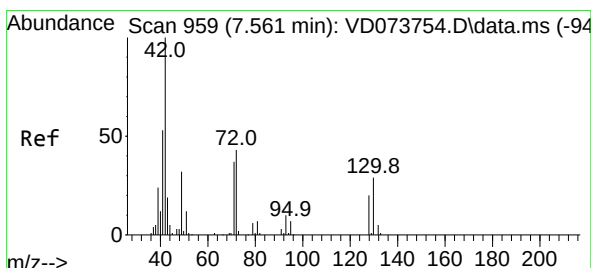
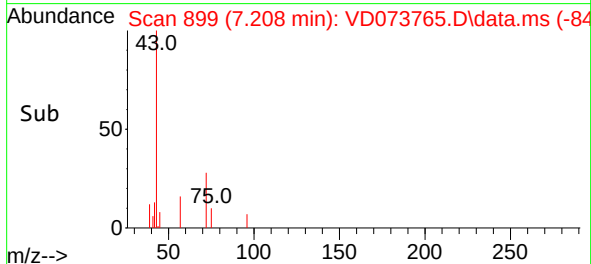
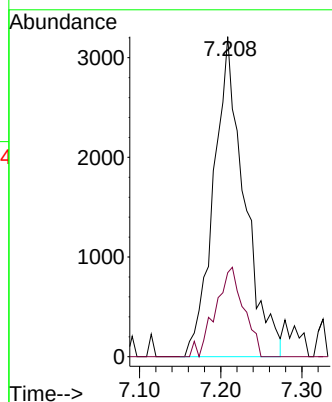
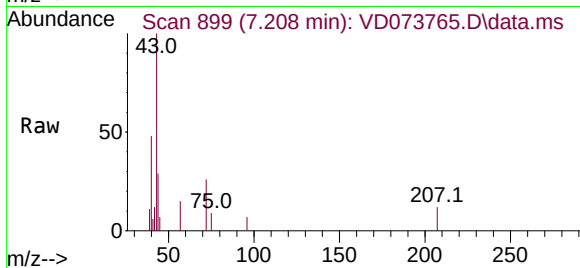
SB-7A

Tgt Ion: 43 Resp: 8445

Ion Ratio Lower Upper

43 100

72 26.3 22.6 33.8



#29

Tetrahydrofuran

Concen: 1.919 ug/l

RT: 7.550 min Scan# 957

Delta R.T. -0.012 min

Lab File: VD073765.D

Acq: 01 Jul 2022 15:37

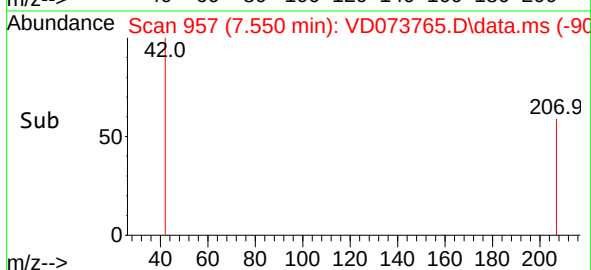
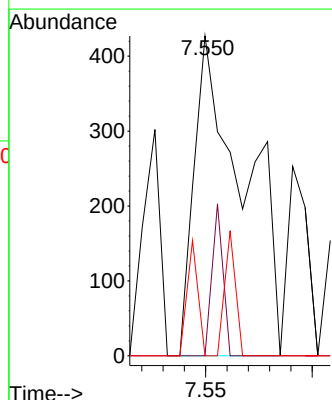
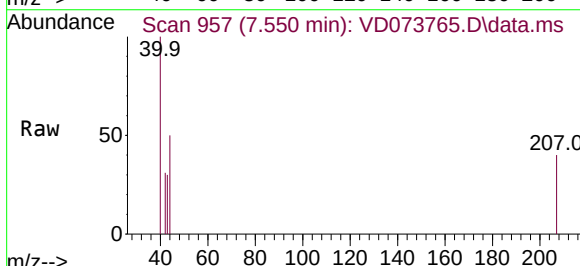
Tgt Ion: 42 Resp: 693

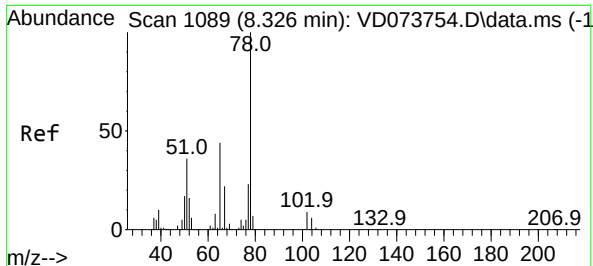
Ion Ratio Lower Upper

42 100

72 10.4 37.8 56.6#

71 8.5 35.5 53.3#





#33

1,2-Dichloroethane-d4

Concen: 70.251 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VD073765.D

Acq: 01 Jul 2022 15:37

Instrument :

MSVOA_D

ClientSampleId :

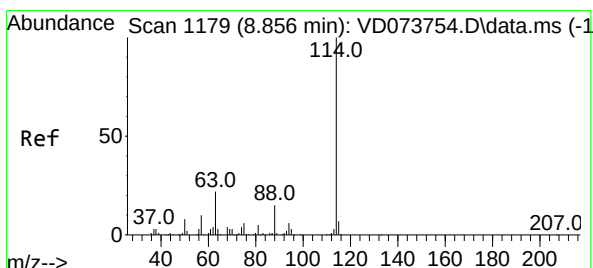
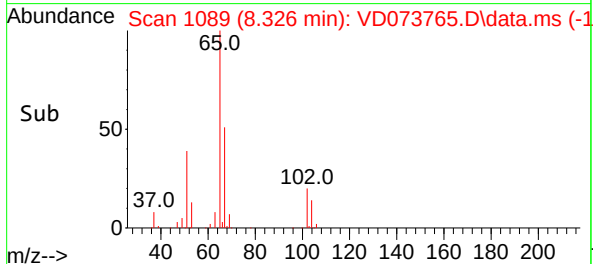
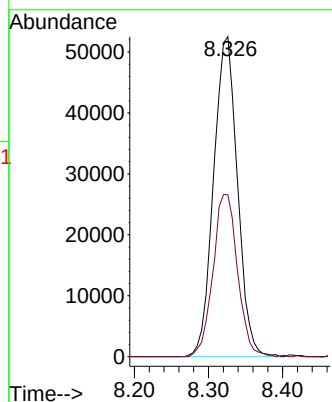
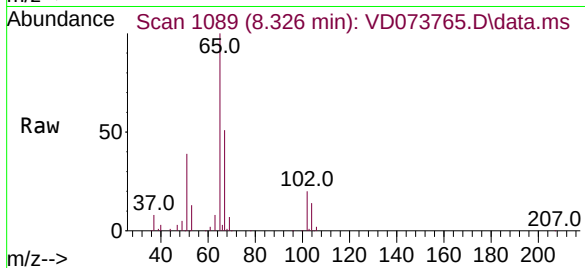
SB-7A

Tgt Ion: 65 Resp: 117448

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD073765.D

Acq: 01 Jul 2022 15:37

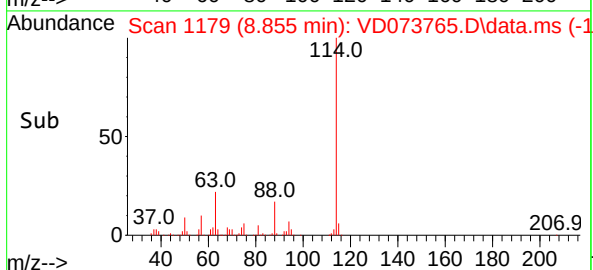
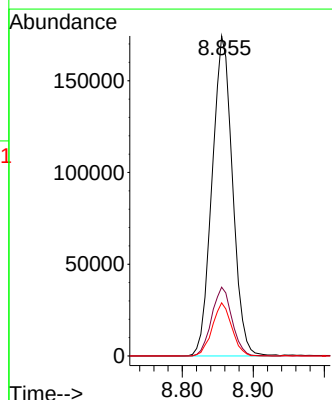
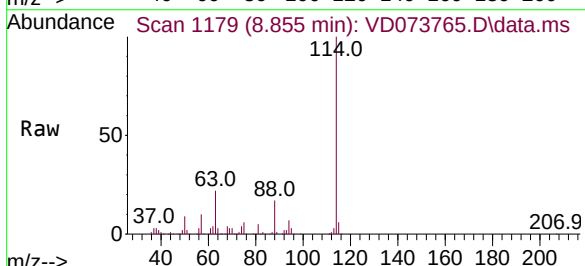
Tgt Ion: 114 Resp: 348715

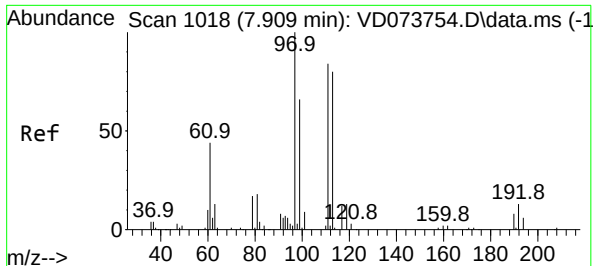
Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.2

88 16.6 0.0 29.4





#35

Dibromofluoromethane

Concen: 57.912 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

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Acq: 01 Jul 2022 15:37

Instrument :

MSVOA_D

ClientSampleId :

SB-7A

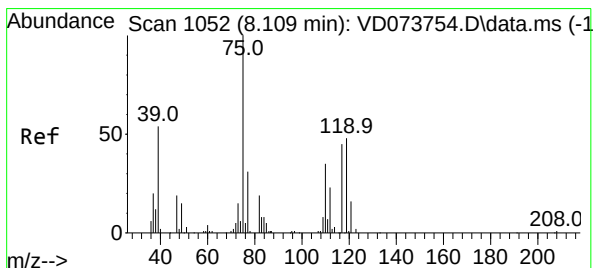
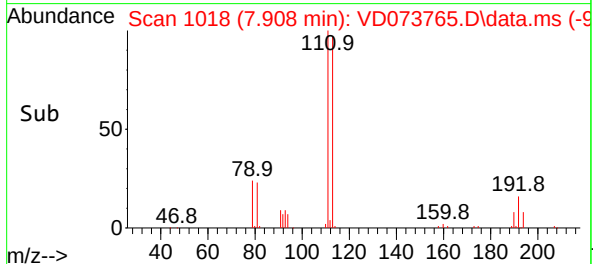
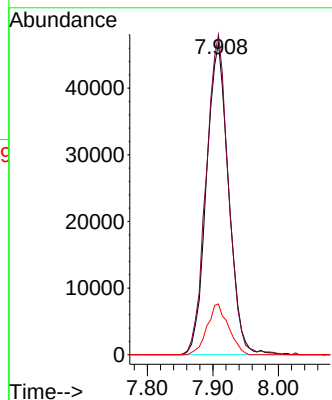
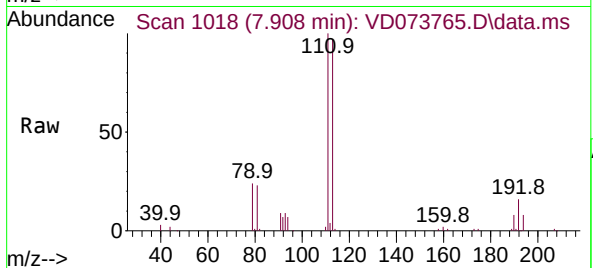
Tgt Ion:113 Resp: 109706

Ion Ratio Lower Upper

113 100

111 103.4 81.8 122.6

192 15.7 14.8 22.2



#36

1,1-Dichloropropene

Concen: 6.042 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073765.D

Acq: 01 Jul 2022 15:37

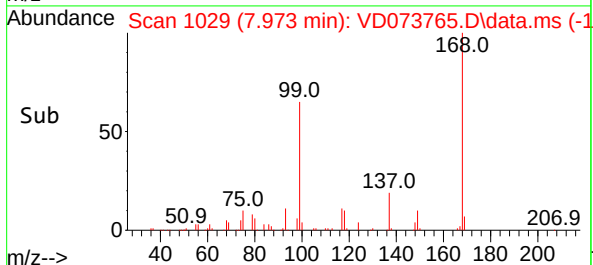
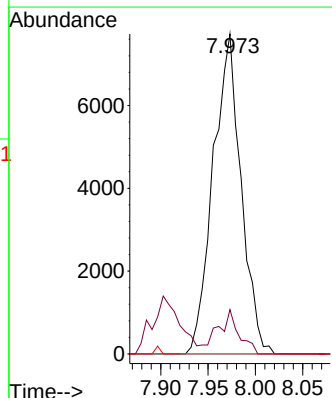
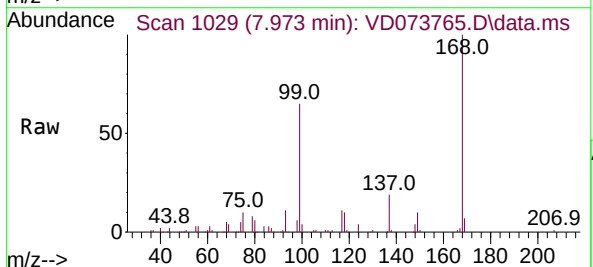
Tgt Ion: 75 Resp: 15891

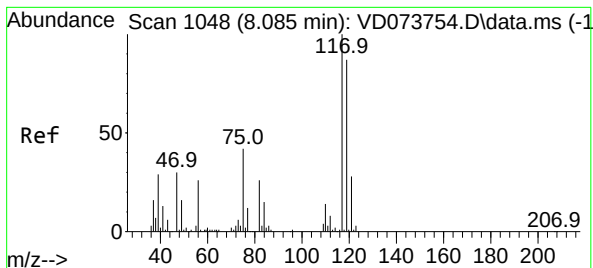
Ion Ratio Lower Upper

75 100

110 9.8 18.0 54.0#

77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 6.855 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.112 min

Lab File: VD073765.D

Acq: 01 Jul 2022 15:37

Instrument :

MSVOA_D

ClientSampleId :

SB-7A

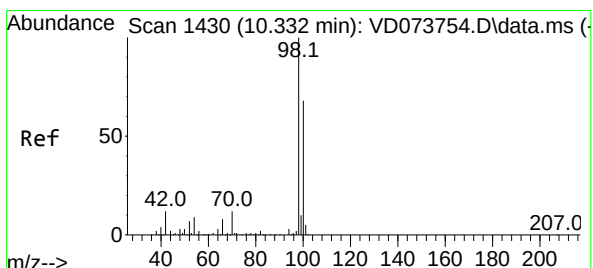
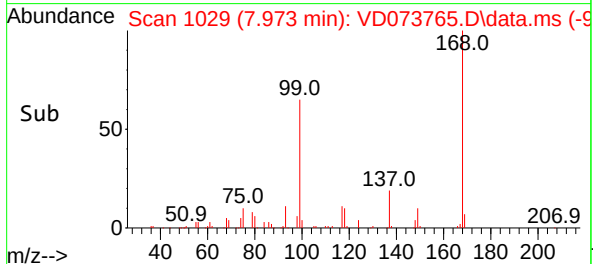
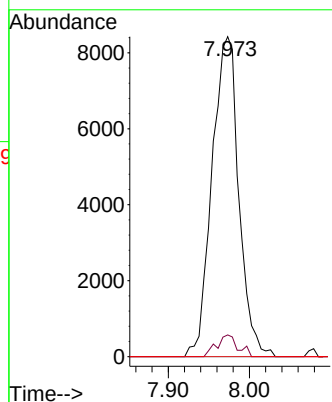
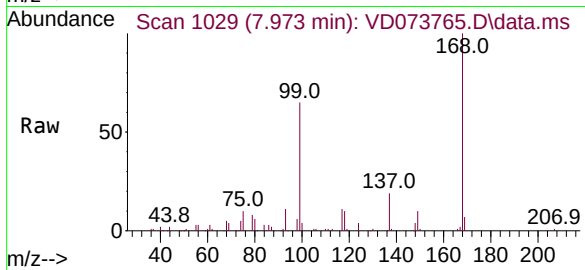
Tgt Ion:117 Resp: 19359

Ion Ratio Lower Upper

117 100

119 6.8 79.2 118.8#

121 0.0 23.8 35.8#



#50

Toluene-d8

Concen: 62.090 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073765.D

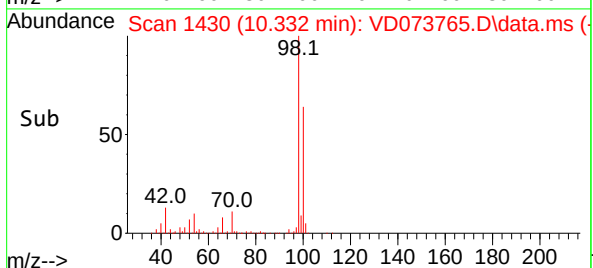
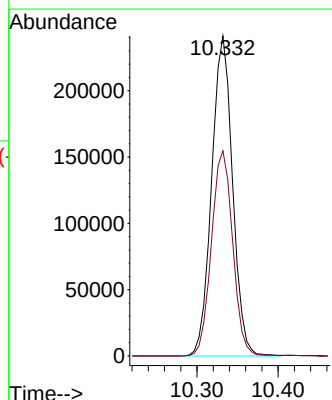
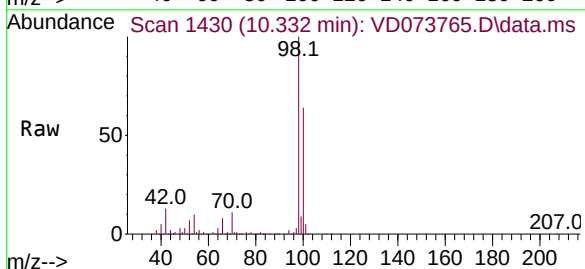
Acq: 01 Jul 2022 15:37

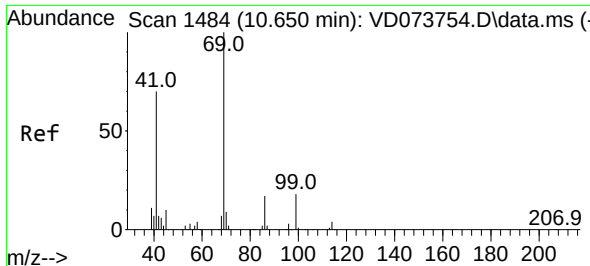
Tgt Ion: 98 Resp: 431459

Ion Ratio Lower Upper

98 100

100 65.1 54.0 81.0

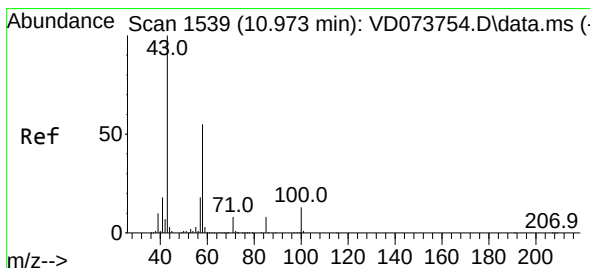
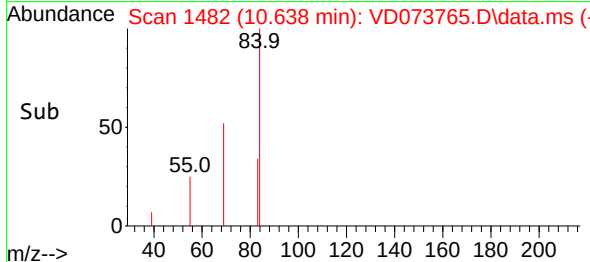
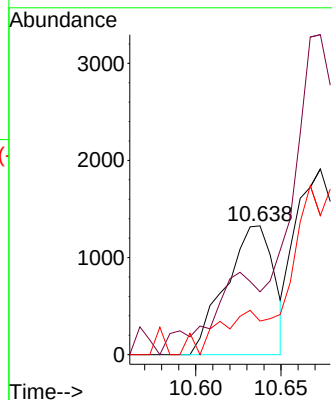
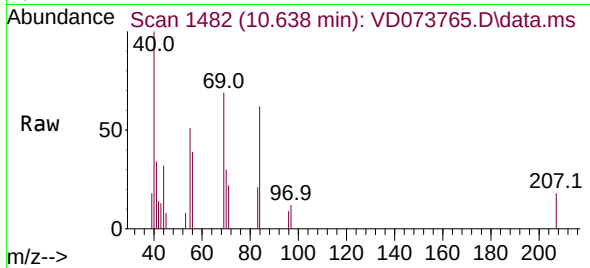




#56
Ethyl methacrylate
Concen: 1.131 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.012 min
Lab File: VD073765.D
Acq: 01 Jul 2022 15:37

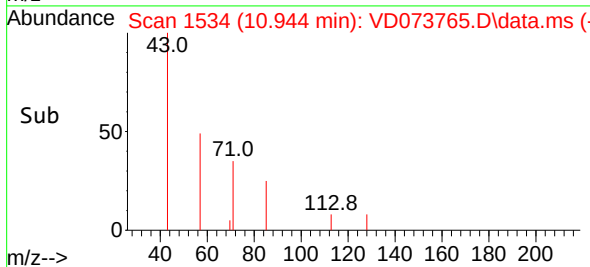
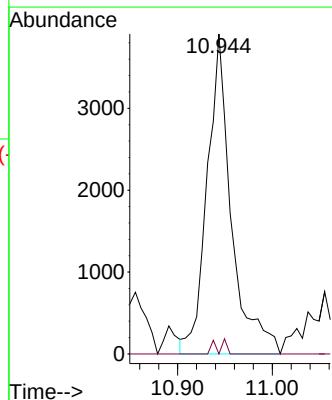
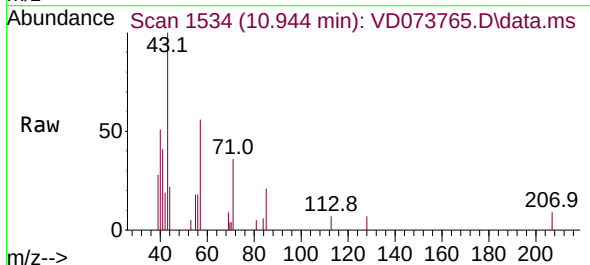
Instrument :
MSVOA_D
ClientSampleId :
SB-7A

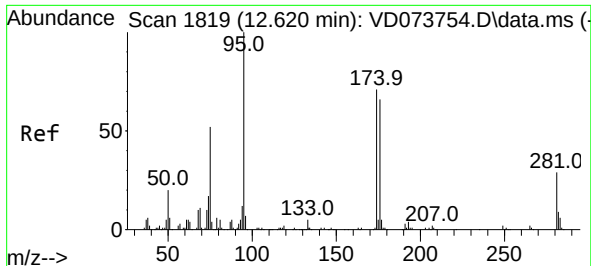
Tgt Ion:	69	Resp:	2601
Ion	Ratio	Lower	Upper
69	100		
41	64.9	51.6	77.4
39	31.1	29.2	43.8



#59
2-Hexanone
Concen: 6.754 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.030 min
Lab File: VD073765.D
Acq: 01 Jul 2022 15:37

Tgt Ion:	43	Resp:	6926
Ion	Ratio	Lower	Upper
43	100		
58	1.8	28.8	86.4#

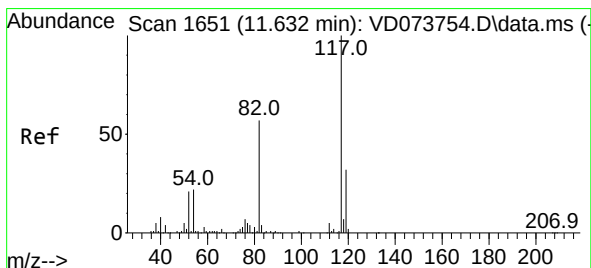
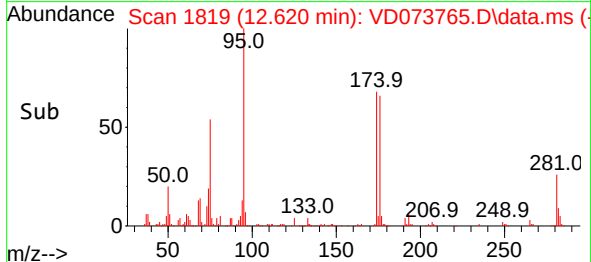
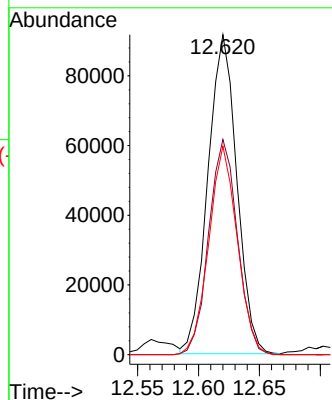
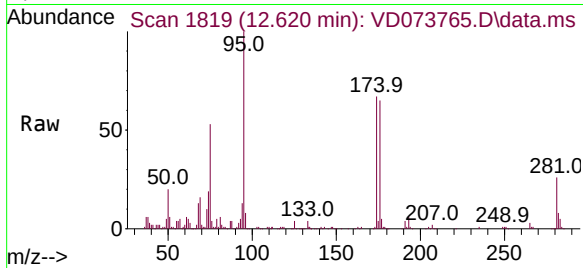




#62
4-Bromofluorobenzene
Concen: 55.258 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073765.D
Acq: 01 Jul 2022 15:37

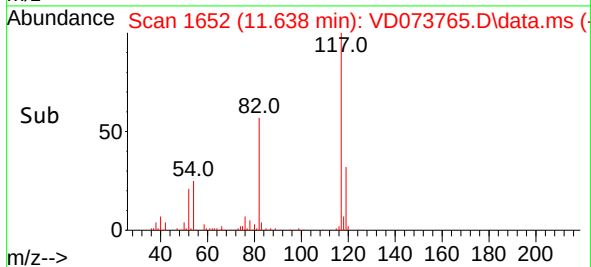
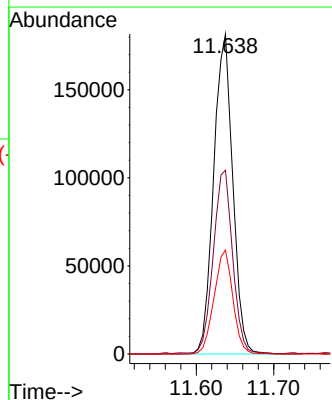
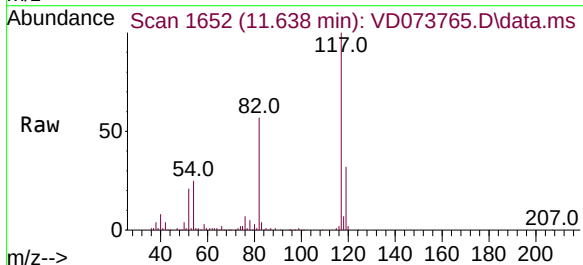
Instrument :
MSVOA_D
ClientSampleId :
SB-7A

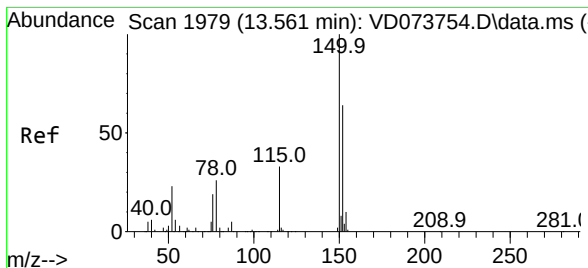
Tgt Ion: 95 Resp: 151449
Ion Ratio Lower Upper
95 100
174 66.8 0.0 158.4
176 64.2 0.0 154.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.006 min
Lab File: VD073765.D
Acq: 01 Jul 2022 15:37

Tgt Ion: 117 Resp: 310472
Ion Ratio Lower Upper
117 100
82 57.3 41.5 62.3
119 32.5 27.1 40.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VD073765.D

Acq: 01 Jul 2022 15:37

Instrument :

MSVOA_D

ClientSampleId :

SB-7A

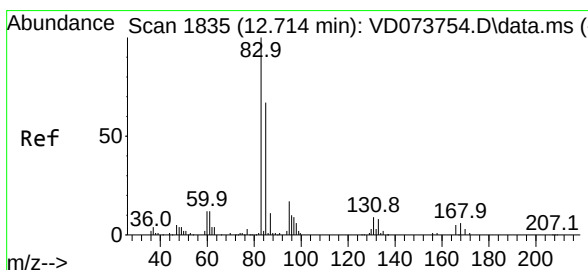
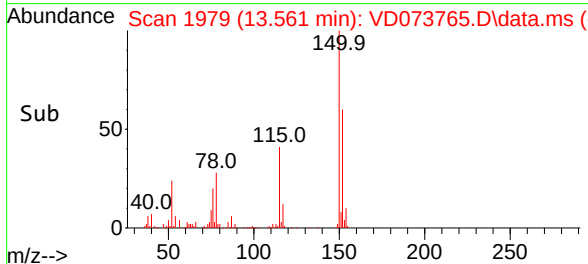
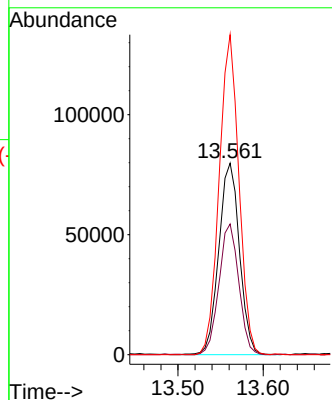
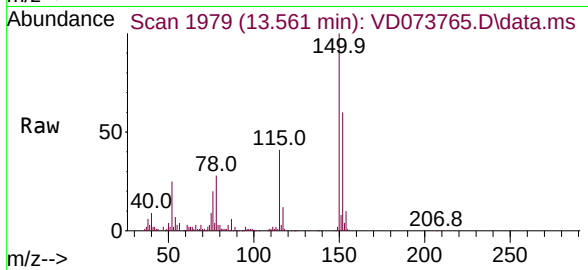
Tgt Ion:152 Resp: 134764

Ion Ratio Lower Upper

152 100

115 65.4 30.6 91.6

150 158.7 0.0 355.0



#75

1,1,2,2-Tetrachloroethane

Concen: 1.212 ug/l

RT: 12.691 min Scan# 1831

Delta R.T. -0.024 min

Lab File: VD073765.D

Acq: 01 Jul 2022 15:37

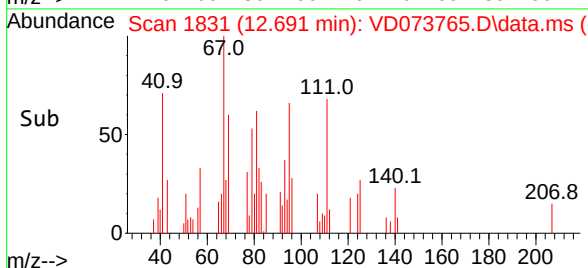
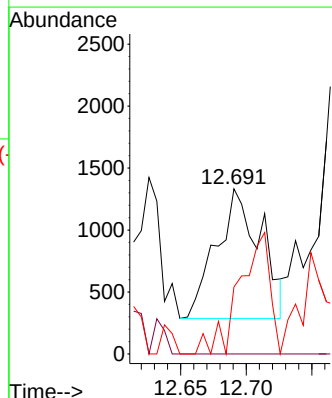
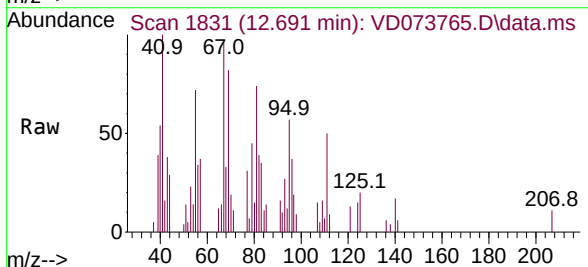
Tgt Ion: 83 Resp: 2467

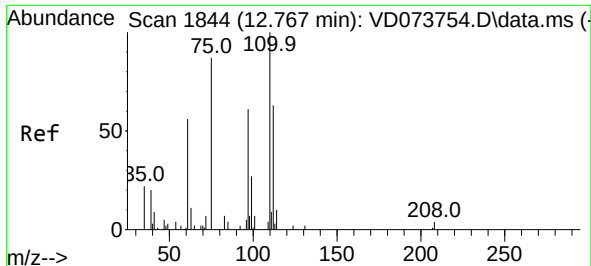
Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.7#

85 0.0 32.3 96.9#

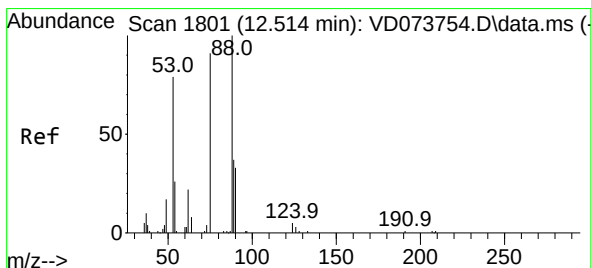
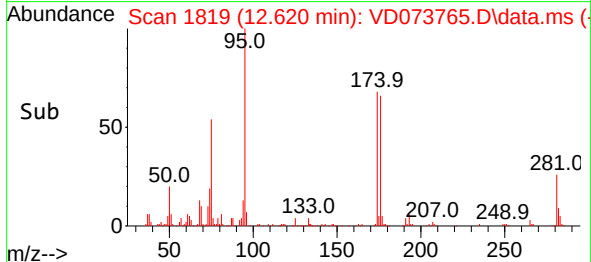
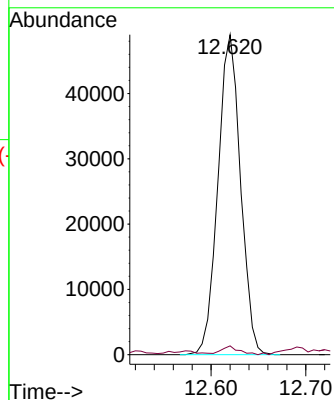
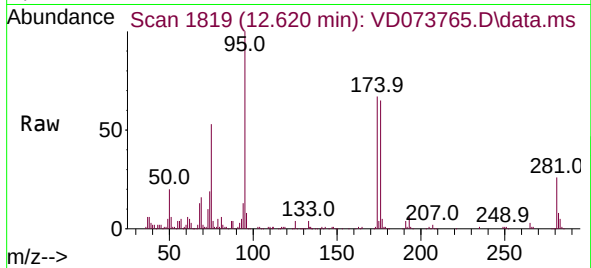




#76
1,2,3-Trichloropropane
Concen: 63.002 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073765.D
Acq: 01 Jul 2022 15:37

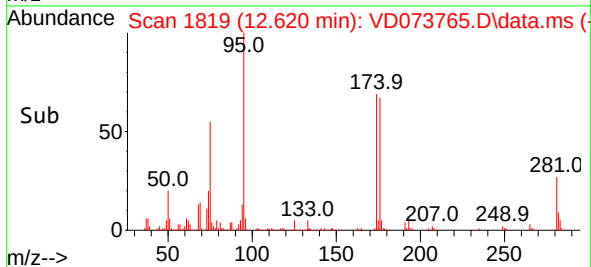
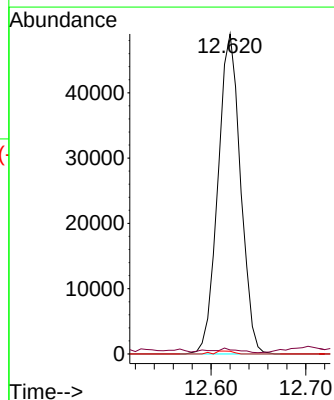
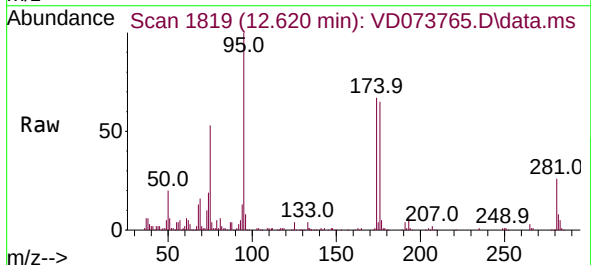
Instrument :
MSVOA_D
ClientSampleId :
SB-7A

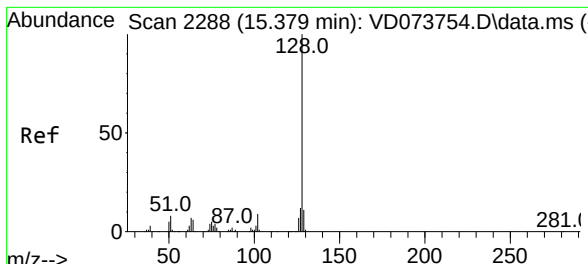
Tgt Ion: 75 Resp: 81140
Ion Ratio Lower Upper
75 100
77 2.0 195.3 586.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.539 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073765.D
Acq: 01 Jul 2022 15:37

Tgt Ion: 75 Resp: 81140
Ion Ratio Lower Upper
75 100
53 0.9 77.0 115.6#
89 0.8 37.8 56.8#





#95
 Naphthalene
 Concen: 1.233 ug/l
 RT: 15.379 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD073765.D
 Acq: 01 Jul 2022 15:37

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-7A

Tgt Ion:128 Resp: 6286
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 6.1 8.9 13.3#

