

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100721\
 Data File : VD070615.D
 Acq On : 07 Oct 2021 14:21
 Operator : VA/SY
 Sample : M4117-01
 Misc : 3.63G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-1(1.5-2.0)

Quant Time: Oct 08 04:51:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

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

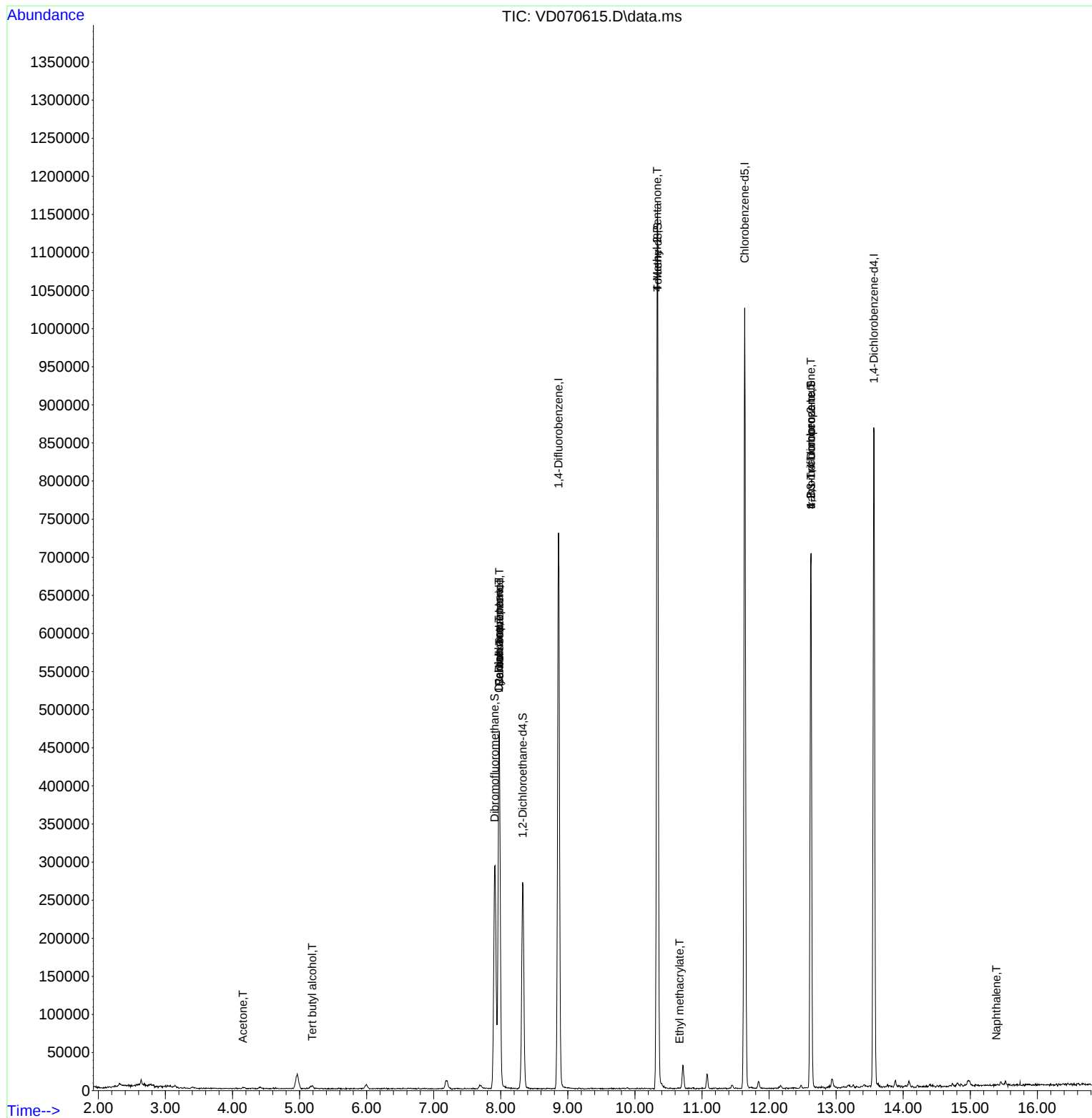
Internal Standards						
1) Pentafluorobenzene	7.979	168	330684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	635242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	609088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	243902	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	216953	55.75	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.50%			
35) Dibromofluoromethane	7.908	113	224830	53.23	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.46%			
50) Toluene-d8	10.338	98	823517	51.01	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.02%			
62) 4-Bromofluorobenzene	12.626	95	250124	46.35	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.70%			
Target Compounds						
5) Bromomethane	2.785	94	963	Below Cal	#	78
11) Tert butyl alcohol	5.191	59	3564	18.49	ug/l #	83
16) Acetone	4.156	43	2195	3.32	ug/l #	58
20) Methylene Chloride	4.961	84	15176	Below Cal	#	82
31) Cyclohexane	7.973	56	7801	1.08	ug/l #	16
36) 1,1-Dichloropropene	7.973	75	28575	4.24	ug/l #	51
38) Carbon Tetrachloride	7.979	117	36773	5.21	ug/l #	16
51) 4-Methyl-2-Pentanone	10.332	43	2917	1.38	ug/l #	1
56) Ethyl methacrylate	10.667	69	68	1.39	ug/l #	32
59) 2-Hexanone	11.014	43	65	Below Cal	#	20
76) 1,2,3-Trichloropropane	12.626	75	116903	52.96	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	116903	117.57	ug/l #	17
95) Naphthalene	15.390	128	855	2.59	ug/l #	78

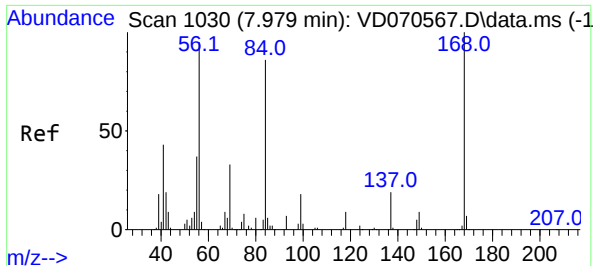
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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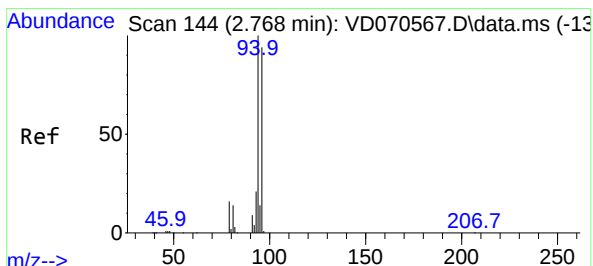
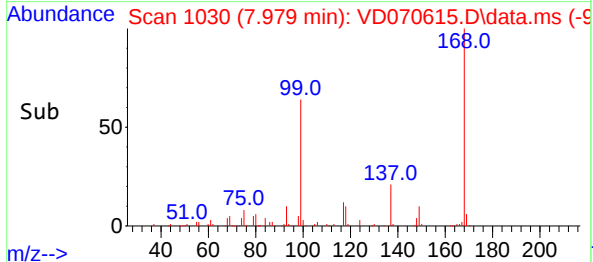
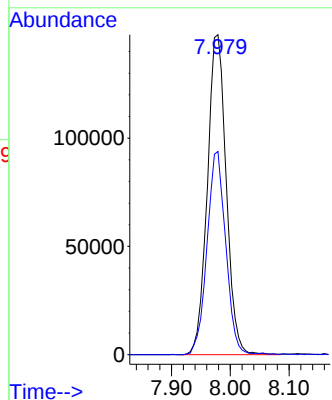
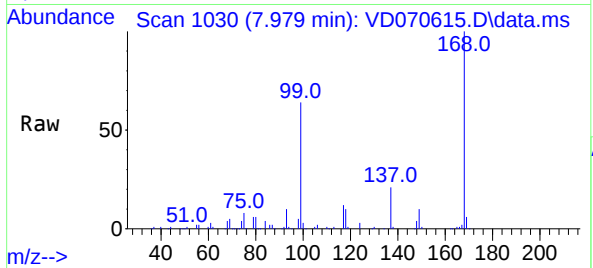




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070615.D
Acq: 07 Oct 2021 14:21

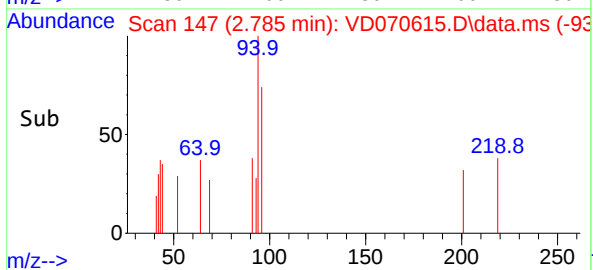
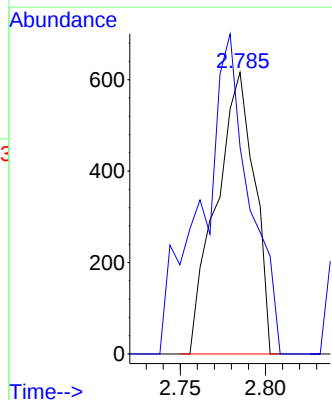
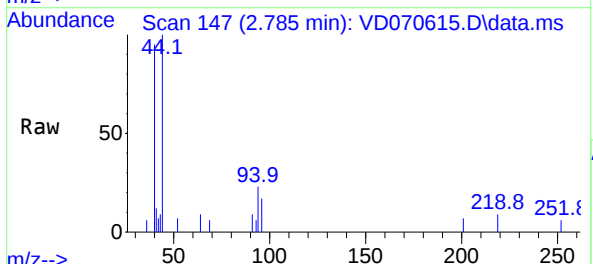
Instrument :
MSVOA_D
ClientSampleId :
SB-1(1.5-2.0)

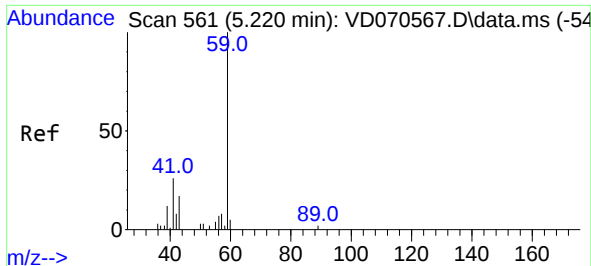
Tgt Ion:168 Resp: 330684
Ion Ratio Lower Upper
168 100
99 63.5 51.4 77.0



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD070615.D
Acq: 07 Oct 2021 14:21

Tgt Ion: 94 Resp: 963
Ion Ratio Lower Upper
94 100
96 73.5 75.5 113.3#



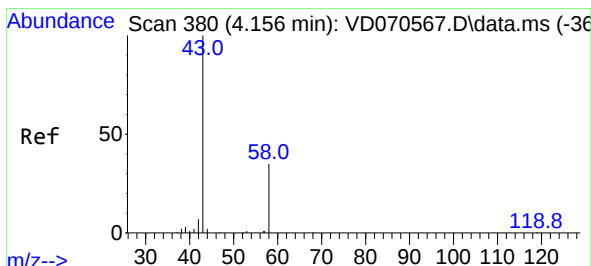
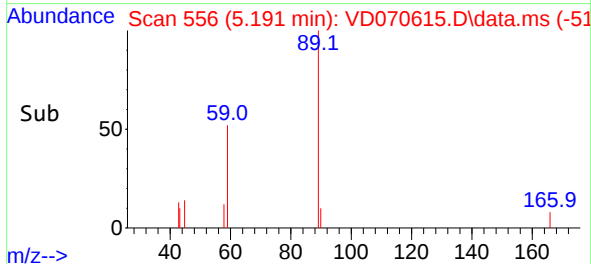
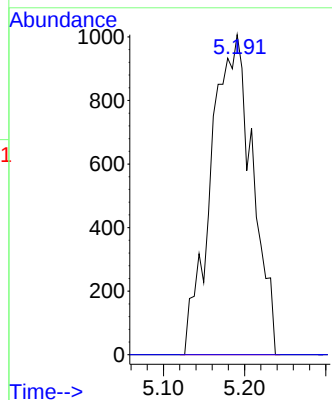
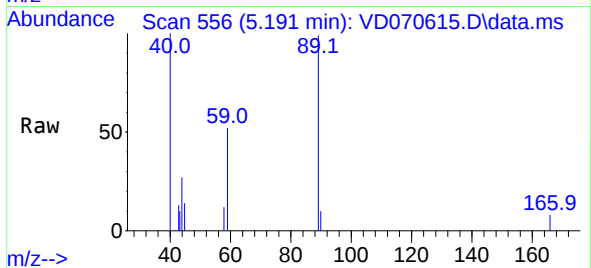


#11

Tert butyl alcohol
Concen: 18.49 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.029 min
Lab File: VD070615.D
Acq: 07 Oct 2021 14:21

Instrument :
MSVOA_D
ClientSampleId :
SB-1(1.5-2.0)

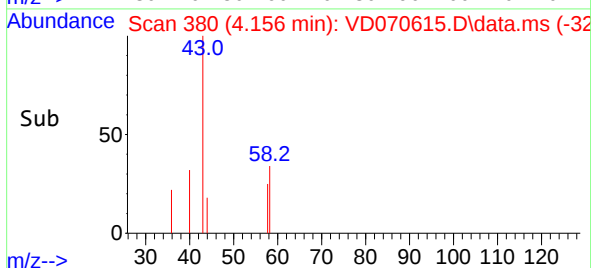
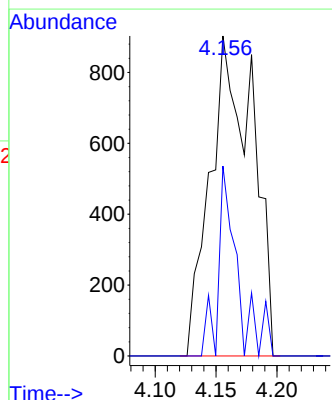
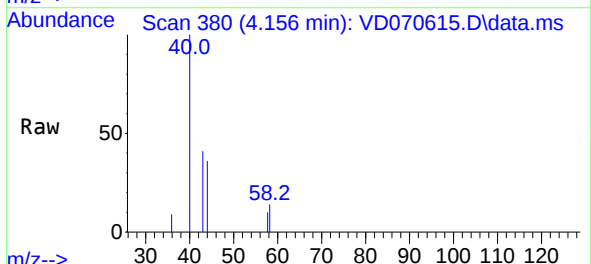
Tgt Ion: 59 Resp: 3564
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

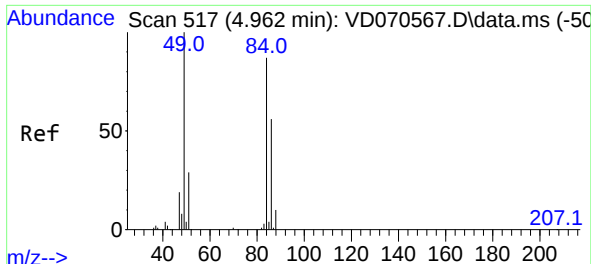


#16

Acetone
Concen: 3.32 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070615.D
Acq: 07 Oct 2021 14:21

Tgt Ion: 43 Resp: 2195
Ion Ratio Lower Upper
43 100
58 59.4 28.2 42.2#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.961 min Scan# 517

Delta R.T. -0.001 min

Lab File: VD070615.D

Acq: 07 Oct 2021 14:21

Instrument :

MSVOA_D

ClientSampleId :

SB-1(1.5-2.0)

Tgt Ion: 84 Resp: 15176

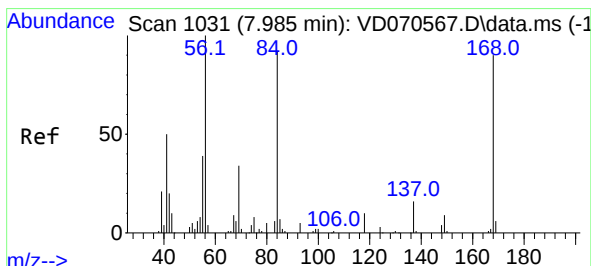
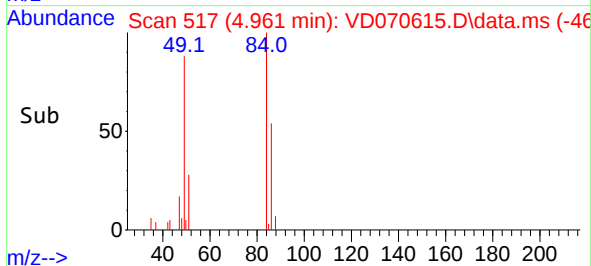
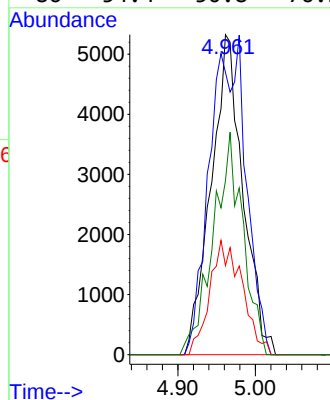
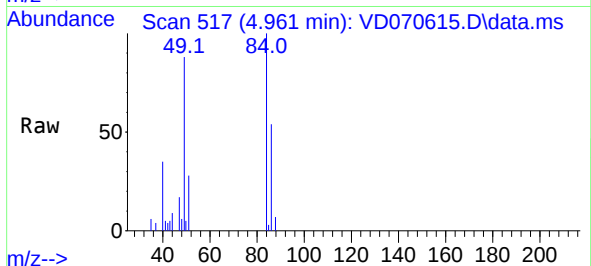
Ion Ratio Lower Upper

84 100

49 88.2 91.4 137.2#

51 27.8 26.7 40.1

86 54.4 50.8 76.2



#31

Cyclohexane

Concen: 1.08 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD070615.D

Acq: 07 Oct 2021 14:21

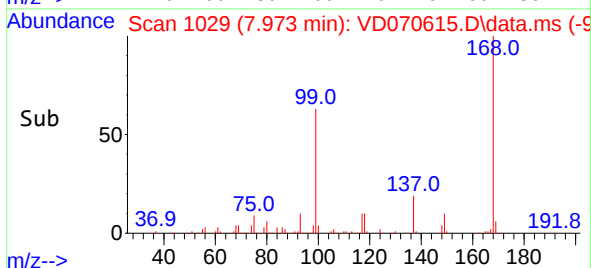
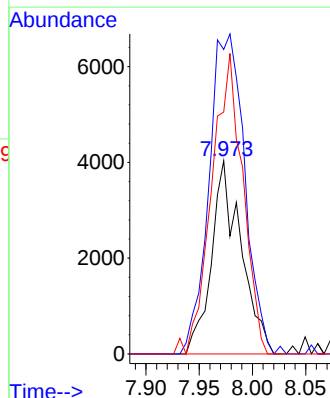
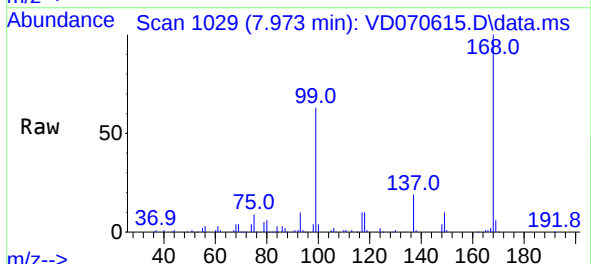
Tgt Ion: 56 Resp: 7801

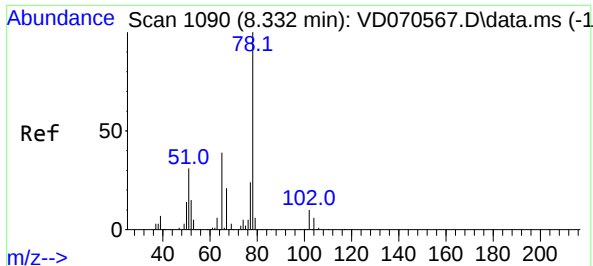
Ion Ratio Lower Upper

56 100

69 157.7 27.4 41.2#

84 125.3 73.6 110.4#

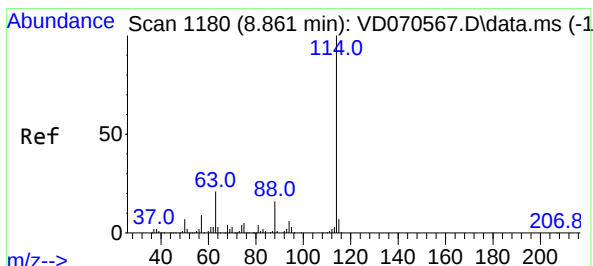
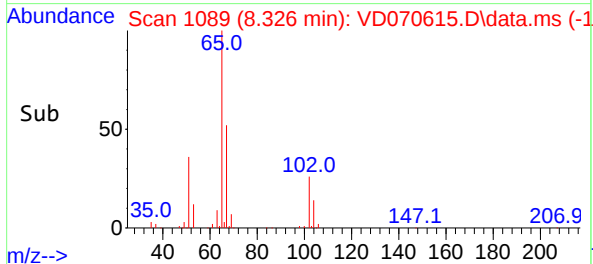
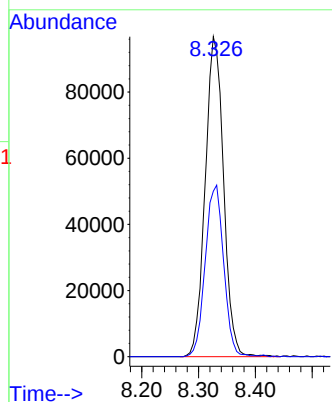
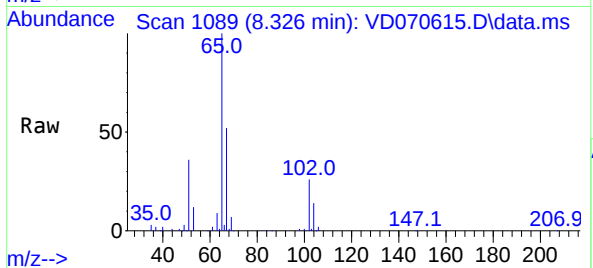




#33
1,2-Dichloroethane-d4
Concen: 55.75 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070615.D
Acq: 07 Oct 2021 14:21

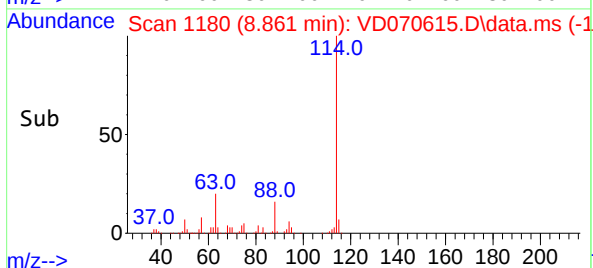
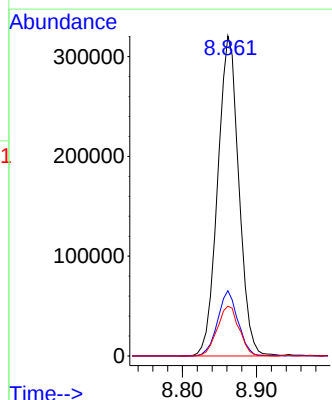
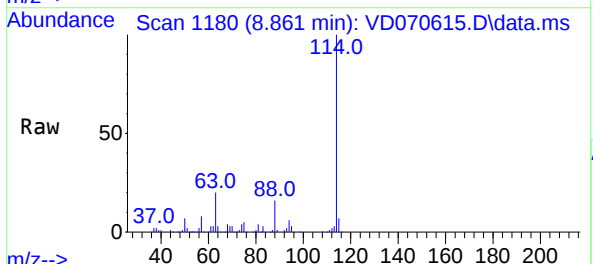
Instrument :
MSVOA_D
ClientSampleId :
SB-1(1.5-2.0)

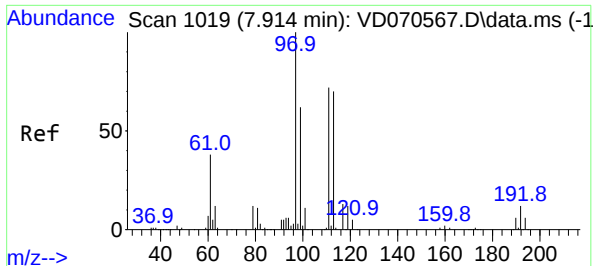
Tgt Ion: 65 Resp: 216953
Ion Ratio Lower Upper
65 100
67 53.6 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070615.D
Acq: 07 Oct 2021 14:21

Tgt Ion:114 Resp: 635242
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.8
88 15.6 0.0 32.6

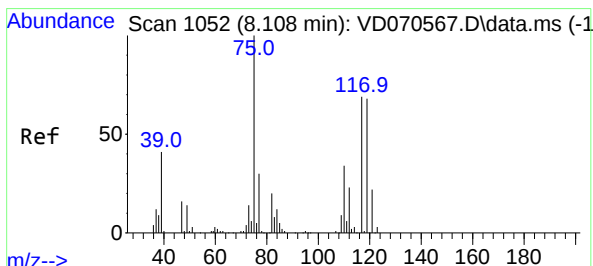
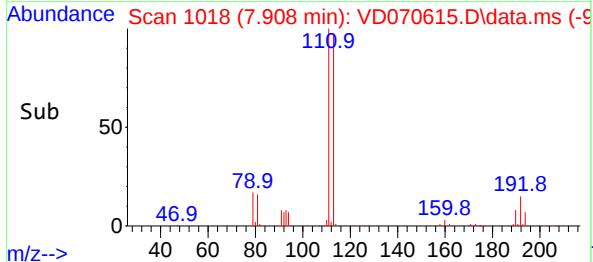
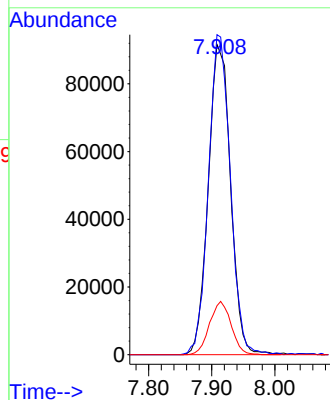
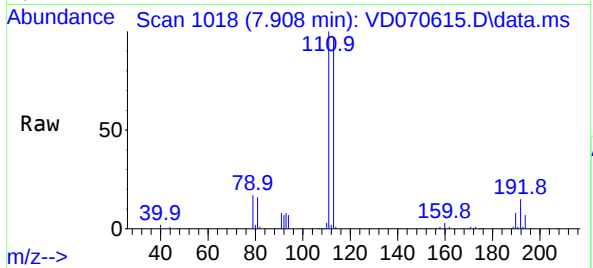




#35
Dibromofluoromethane
Concen: 53.23 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070615.D
Acq: 07 Oct 2021 14:21

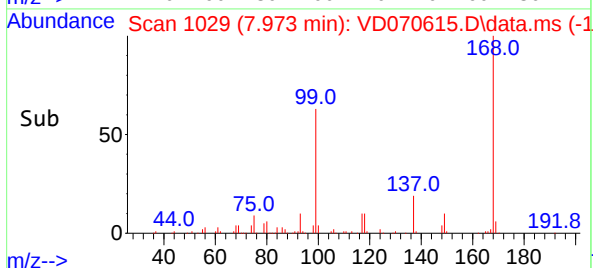
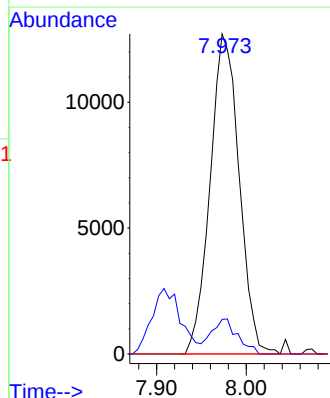
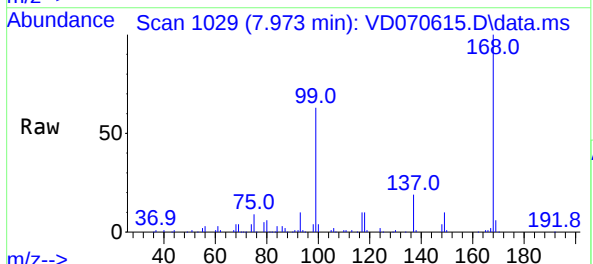
Instrument :
MSVOA_D
ClientSampleId :
SB-1(1.5-2.0)

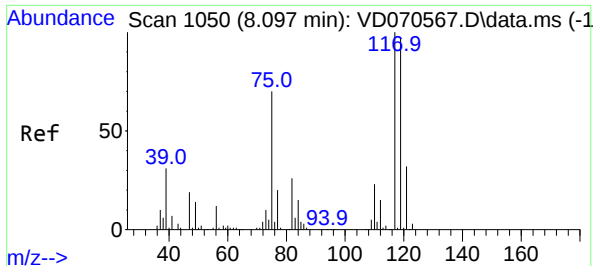
Tgt Ion:113 Resp: 224830
Ion Ratio Lower Upper
113 100
111 101.4 83.1 124.7
192 16.6 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.24 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070615.D
Acq: 07 Oct 2021 14:21

Tgt Ion: 75 Resp: 28575
Ion Ratio Lower Upper
75 100
110 9.8 17.2 51.6#
77 0.0 24.2 36.4#

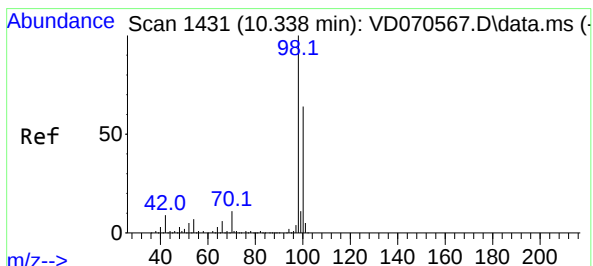
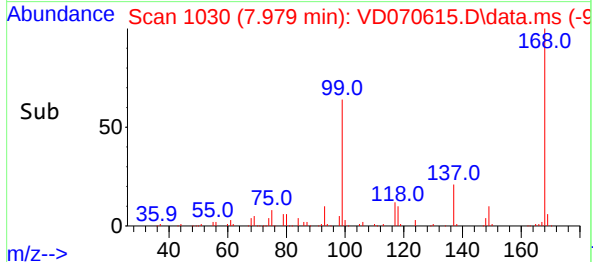
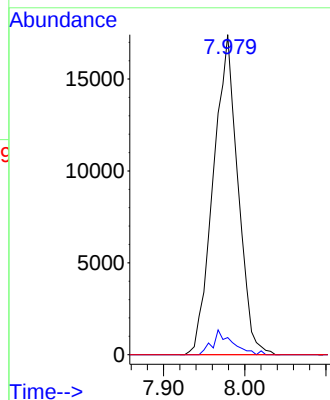
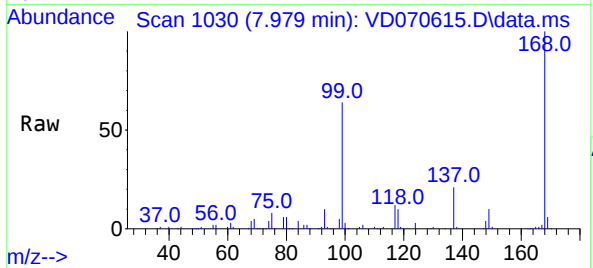




#38
Carbon Tetrachloride
Concen: 5.21 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070615.D
Acq: 07 Oct 2021 14:21

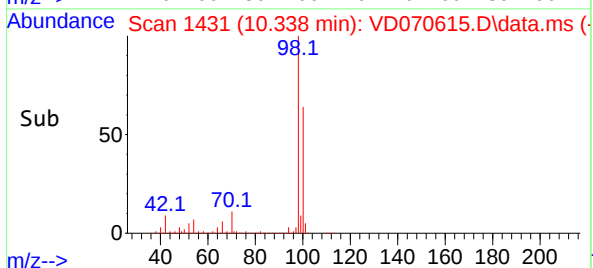
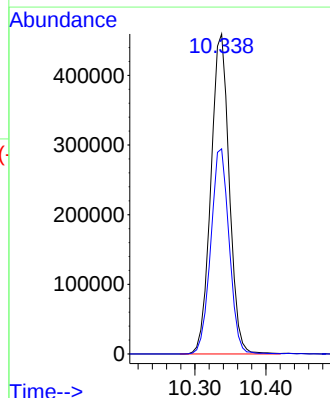
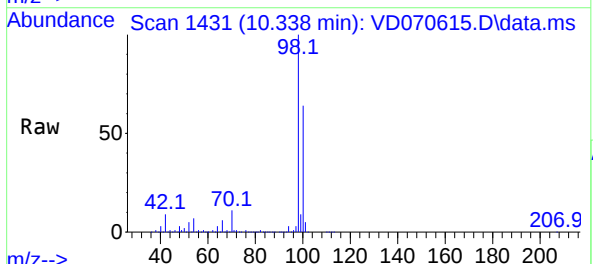
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SB-1(1.5-2.0)

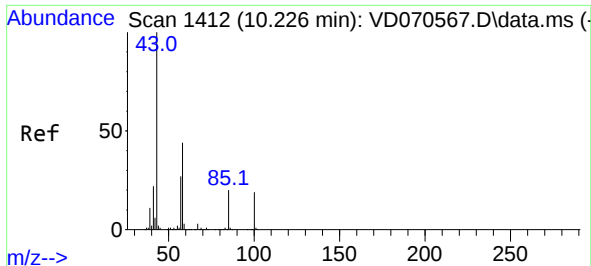
Tgt Ion:117 Resp: 36773
Ion Ratio Lower Upper
117 100
119 5.4 77.4 116.0#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 51.01 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070615.D
Acq: 07 Oct 2021 14:21

Tgt Ion: 98 Resp: 823517
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.4

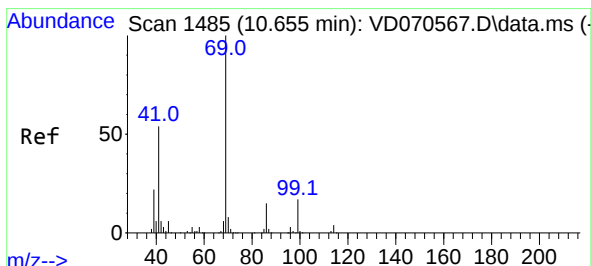
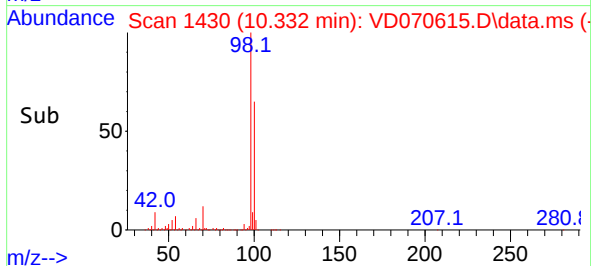
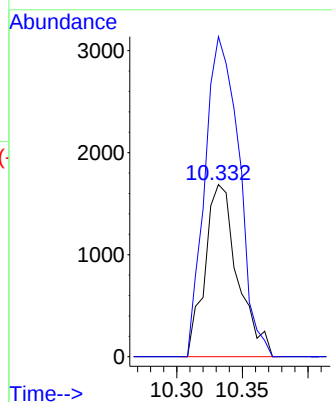
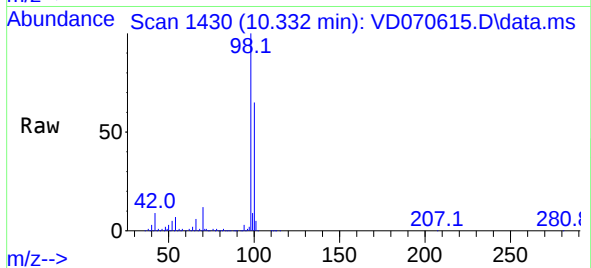




#51
4-Methyl-2-Pentanone
Concen: 1.38 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070615.D
Acq: 07 Oct 2021 14:21

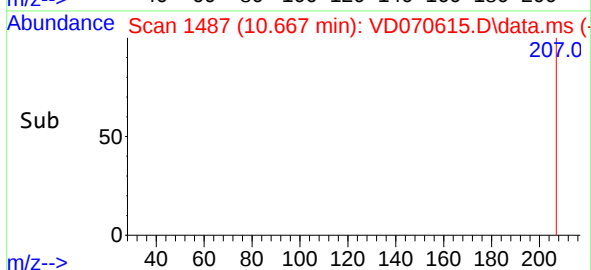
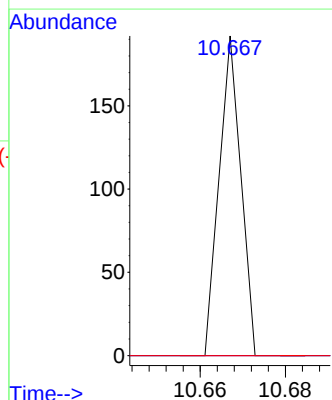
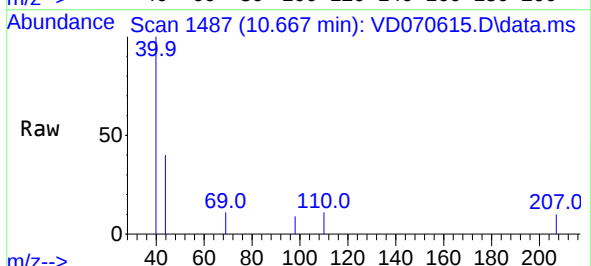
Instrument :
MSVOA_D
ClientSampleId :
SB-1(1.5-2.0)

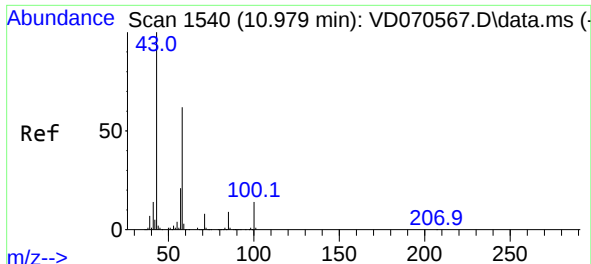
Tgt Ion: 43 Resp: 2917
Ion Ratio Lower Upper
43 100
58 195.0 35.0 52.6#



#56
Ethyl methacrylate
Concen: 1.39 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD070615.D
Acq: 07 Oct 2021 14:21

Tgt Ion: 69 Resp: 68
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 0.0 19.5 29.3#

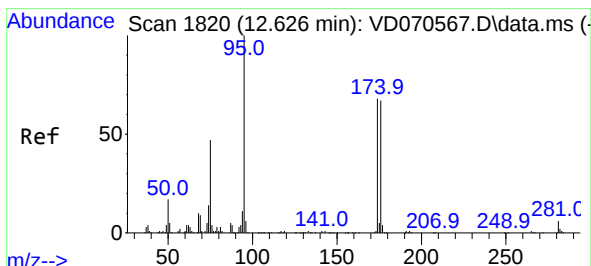
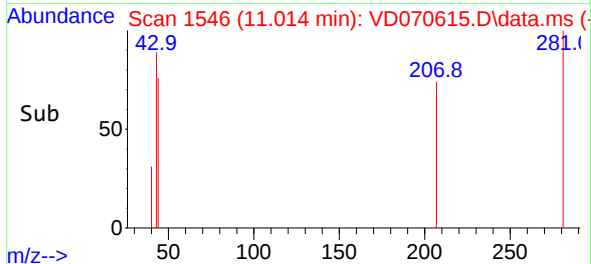
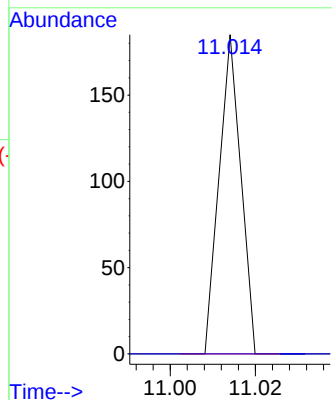
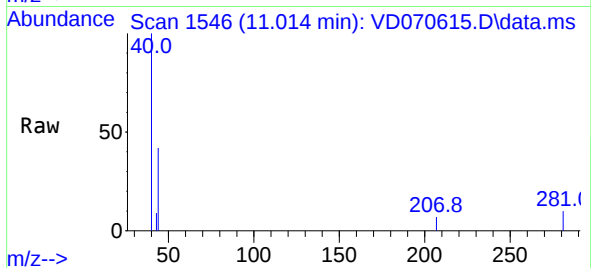




#59
2-Hexanone
Concen: Below Cal
RT: 11.014 min Scan# 1546
Delta R.T. 0.035 min
Lab File: VD070615.D
Acq: 07 Oct 2021 14:21

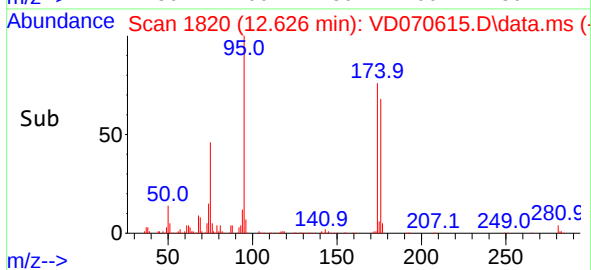
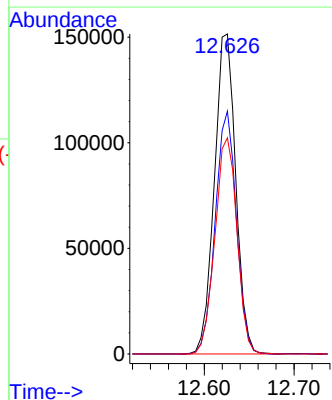
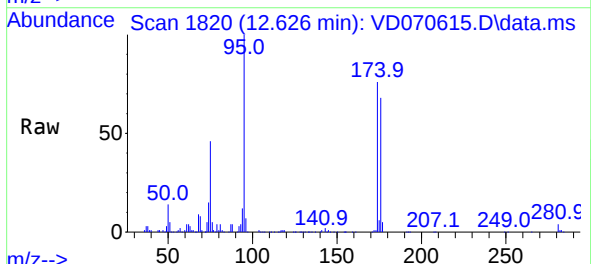
Instrument :
MSVOA_D
ClientSampleId :
SB-1(1.5-2.0)

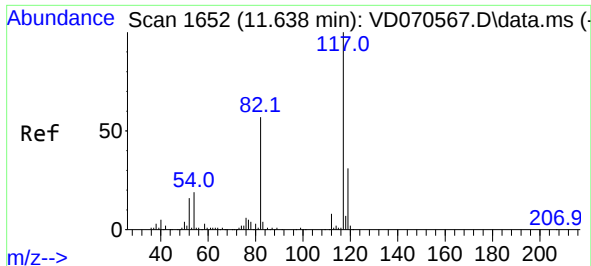
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 46.35 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070615.D
Acq: 07 Oct 2021 14:21

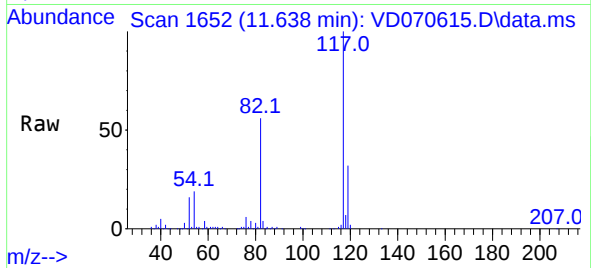
Tgt Ion: 95 Resp: 250124
Ion Ratio Lower Upper
95 100
174 75.2 0.0 138.0
176 69.6 0.0 135.6



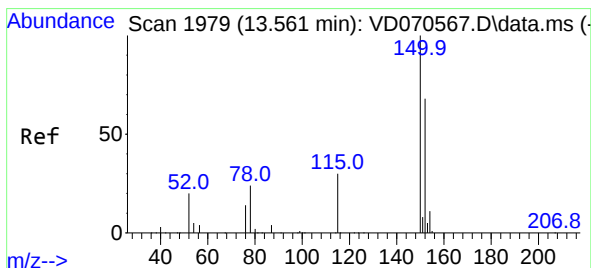
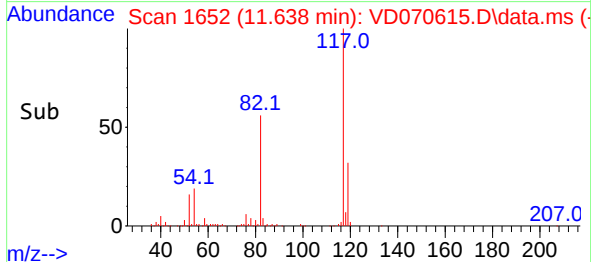
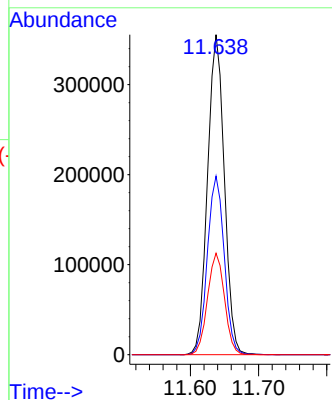


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070615.D
Acq: 07 Oct 2021 14:21

Instrument :
MSVOA_D
ClientSampleId :
SB-1(1.5-2.0)

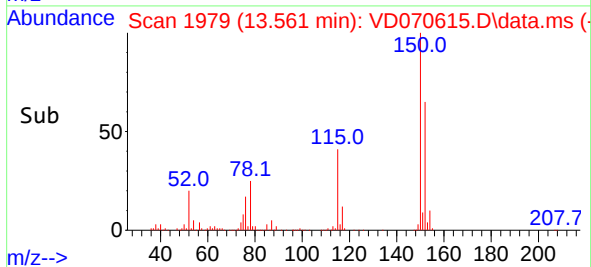
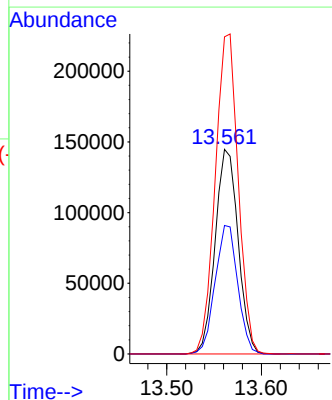
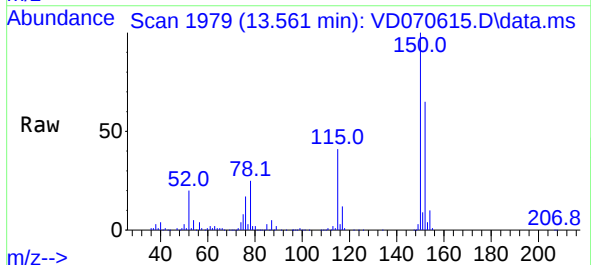


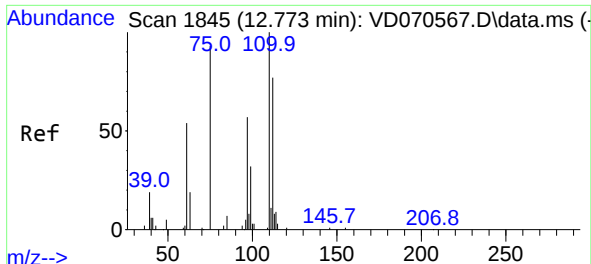
Tgt Ion:117 Resp: 609088
Ion Ratio Lower Upper
117 100
82 55.8 45.4 68.2
119 31.7 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070615.D
Acq: 07 Oct 2021 14:21

Tgt Ion:152 Resp: 243902
Ion Ratio Lower Upper
152 100
115 61.9 31.9 95.7
150 156.3 0.0 350.0

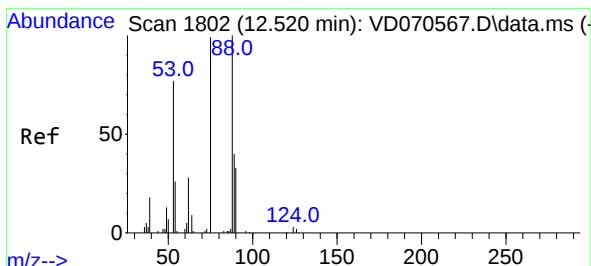
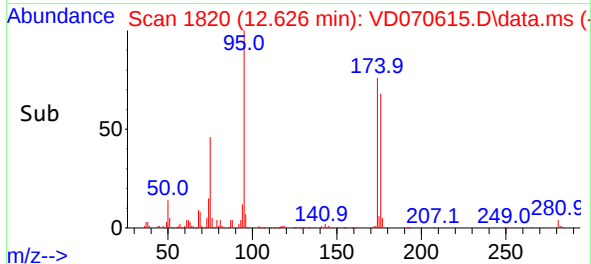
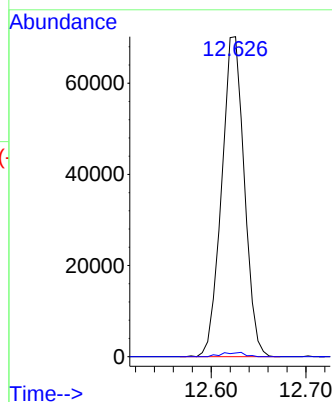
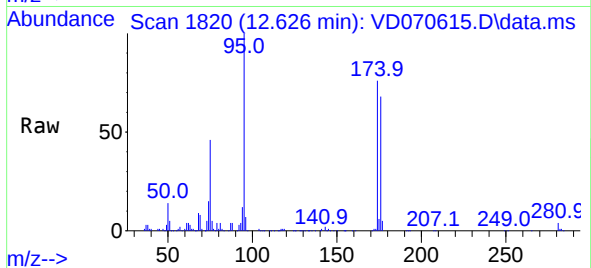




#76
1,2,3-Trichloropropane
Concen: 52.96 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070615.D
Acq: 07 Oct 2021 14:21

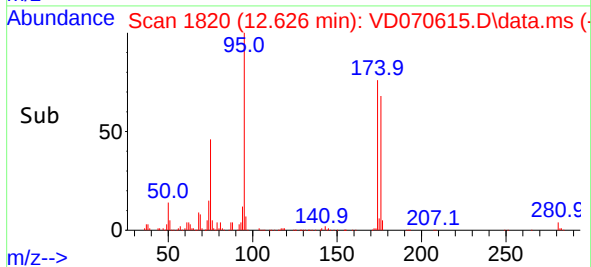
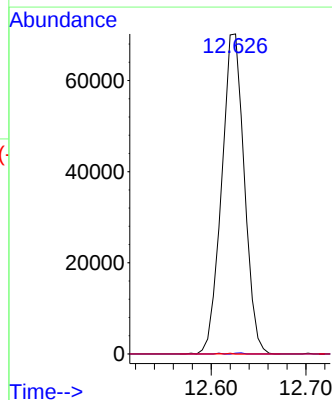
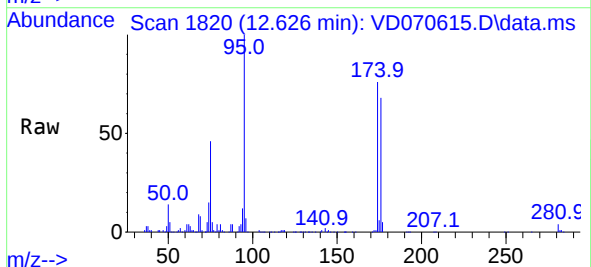
Instrument :
MSVOA_D
ClientSampleId :
SB-1(1.5-2.0)

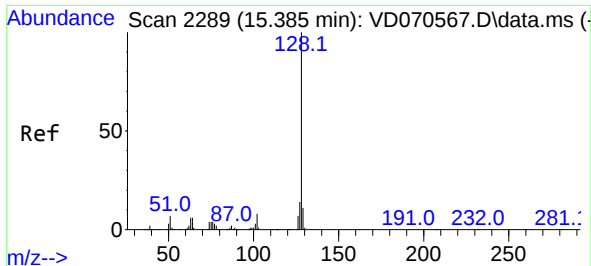
Tgt Ion: 75 Resp: 116903
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.57 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070615.D
Acq: 07 Oct 2021 14:21

Tgt Ion: 75 Resp: 116903
Ion Ratio Lower Upper
75 100
53 0.1 64.5 96.7#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 2.59 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD070615.D
Acq: 07 Oct 2021 14:21

Instrument :
MSVOA_D
ClientSampleId :
SB-1(1.5-2.0)

Tgt Ion:128 Resp: 855
Ion Ratio Lower Upper
128 100
127 7.0 10.9 16.3#
129 0.0 8.6 12.8#

