

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022122\
 Data File : VD072043.D
 Acq On : 21 Feb 2022 20:16
 Operator : VA/SY
 Sample : N1626-14
 Misc : 4.40G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CC-B7

Quant Time: Feb 22 01:09:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

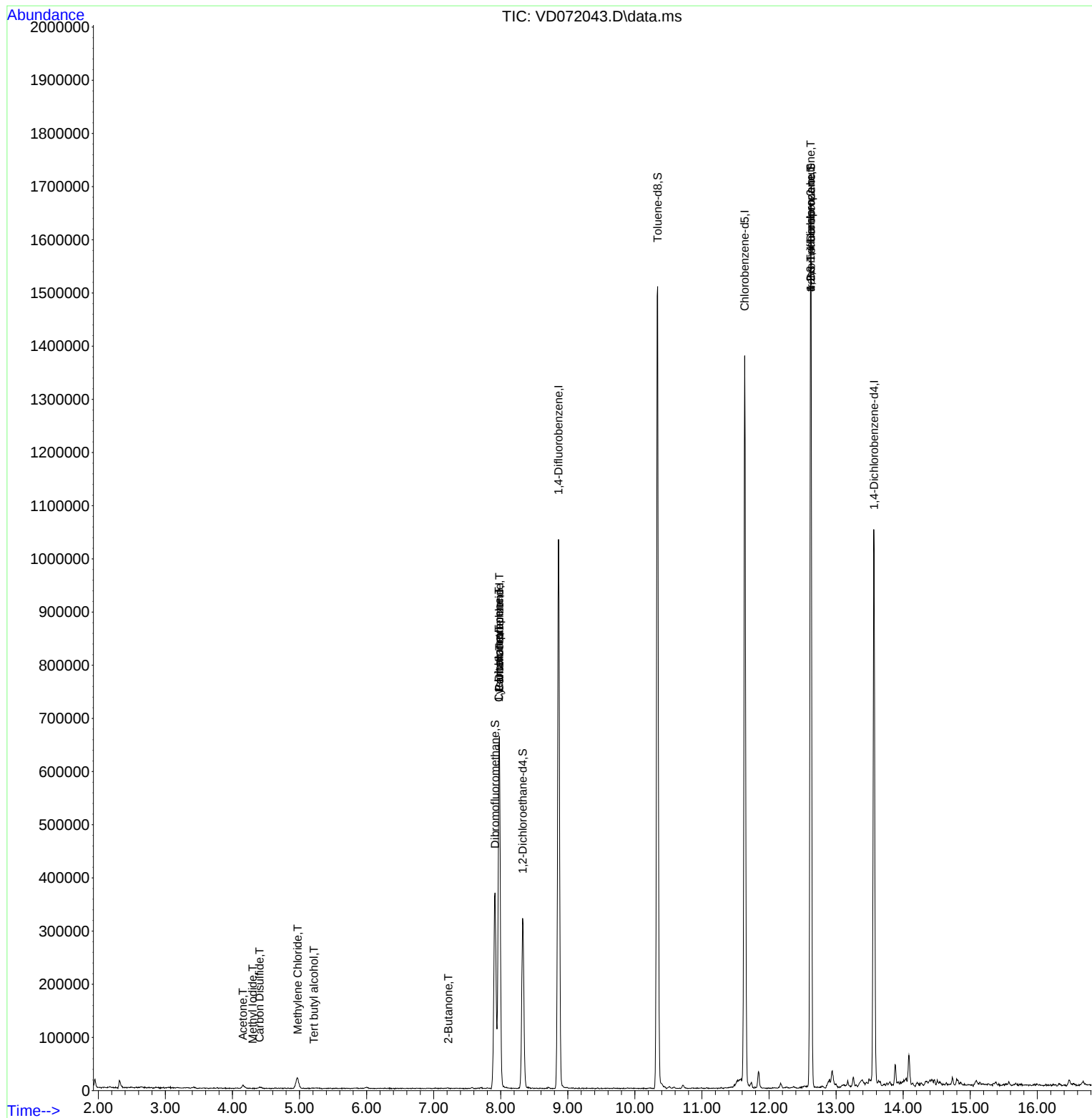
Internal Standards						
1) Pentafluorobenzene	7.979	168	486853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.862	114	864224	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	766332	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	274733	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	255652	50.623	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.240%			
35) Dibromofluoromethane	7.915	113	264571	50.529	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.060%			
50) Toluene-d8	10.338	98	1013428	52.191	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.380%			
62) 4-Bromofluorobenzene	12.626	95	335188	46.994	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.980%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.774	94	293	Below Cal	#	56
10) Methyl Iodide	4.303	142	131	2.946	ug/l #	60
11) Tert butyl alcohol	5.215	59	1165	4.043	ug/l #	80
16) Acetone	4.156	43	11155	10.221	ug/l #	85
17) Carbon Disulfide	4.403	76	5130	1.070	ug/l #	76
18) Methyl Acetate	4.703	43	61	Below Cal	#	52
20) Methylene Chloride	4.973	84	14937	2.750	ug/l #	82
25) 2-Butanone	7.220	43	1510	1.001	ug/l #	50
31) Cyclohexane	7.973	56	10931	1.225	ug/l #	4
36) 1,1-Dichloropropene	7.973	75	41045	5.175	ug/l #	50
38) Carbon Tetrachloride	7.979	117	49336	6.069	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	179986	69.163	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	179986	173.200	ug/l #	10

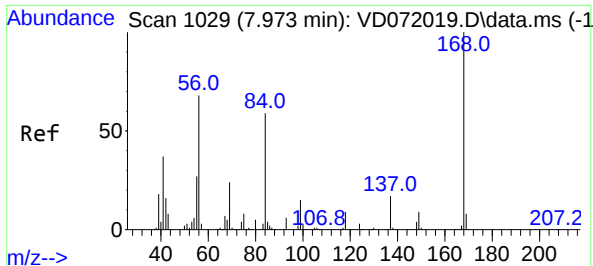
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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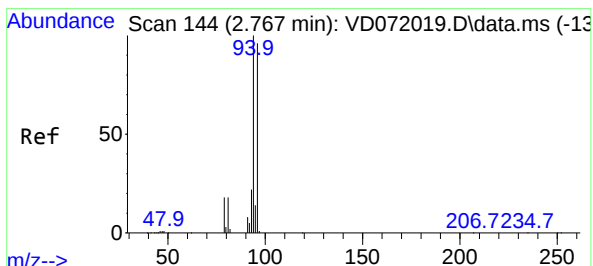
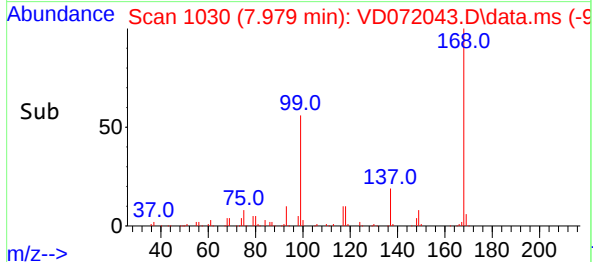
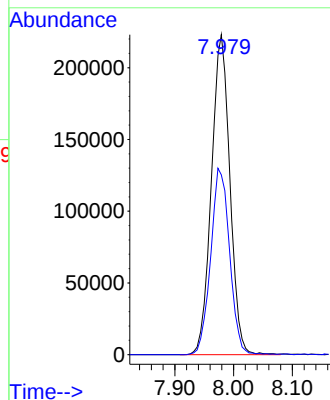
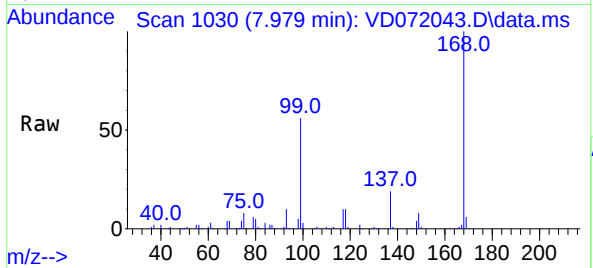




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD072043.D
Acq: 21 Feb 2022 20:16

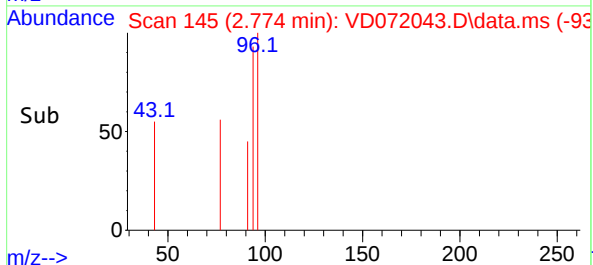
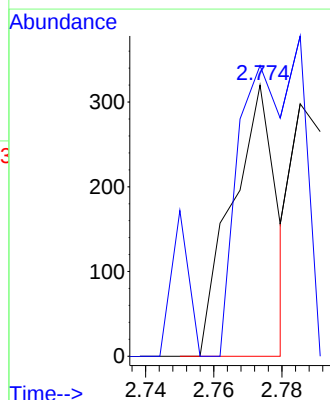
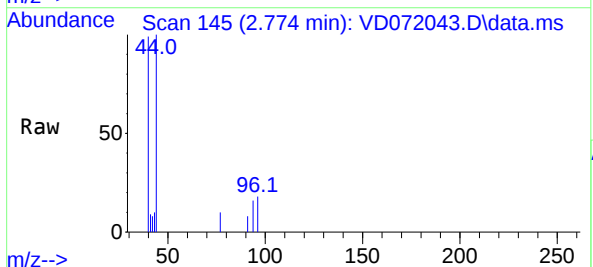
Instrument :
MSVOA_D
ClientSampleId :
CC-B7

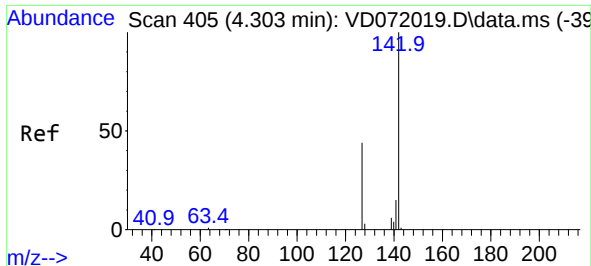
Tgt Ion:168 Resp: 486853
Ion Ratio Lower Upper
168 100
99 56.2 47.1 70.7



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.007 min
Lab File: VD072043.D
Acq: 21 Feb 2022 20:16

Tgt Ion: 94 Resp: 293
Ion Ratio Lower Upper
94 100
96 53.4 76.8 115.2#





#10

Methyl Iodide

Concen: 2.946 ug/l

RT: 4.303 min Scan# 405

Delta R.T. -0.000 min

Lab File: VD072043.D

Acq: 21 Feb 2022 20:16

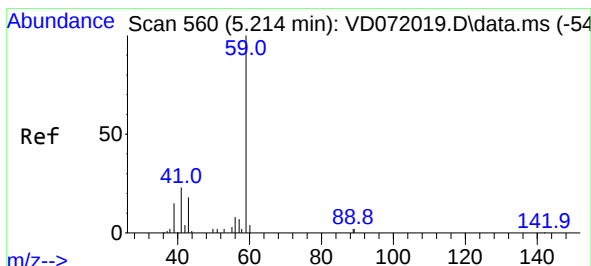
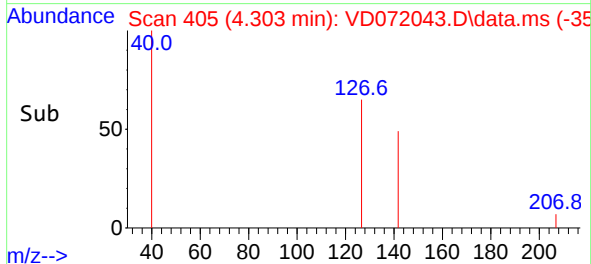
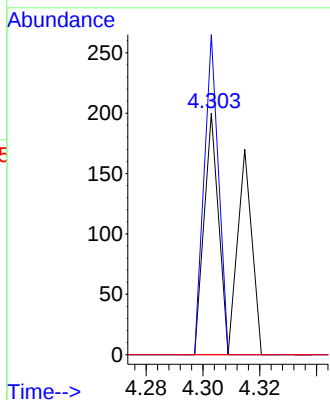
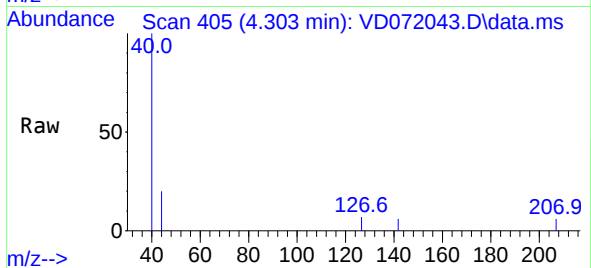
Instrument :

MSVOA_D

ClientSampleId :

CC-B7

Tgt Ion:	142	Resp:	131
Ion	Ratio	Lower	Upper
142	100		
127	71.8	35.8	53.8#
141	0.0	11.6	17.4#



#11

Tert butyl alcohol

Concen: 4.043 ug/l

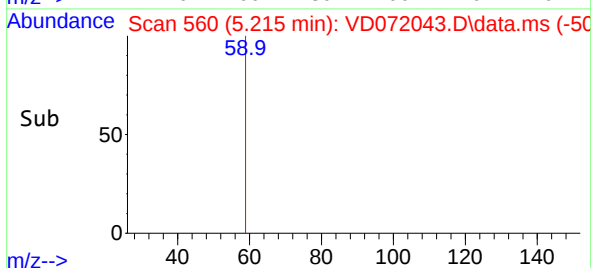
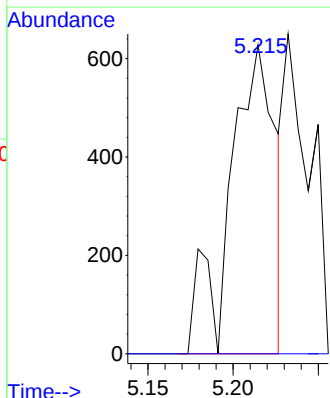
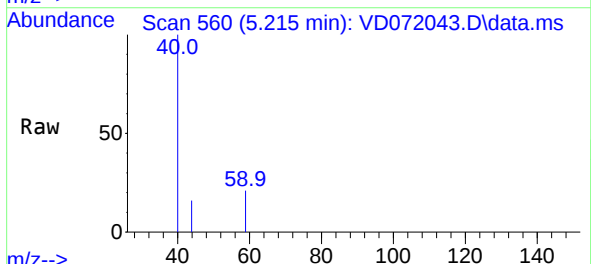
RT: 5.215 min Scan# 560

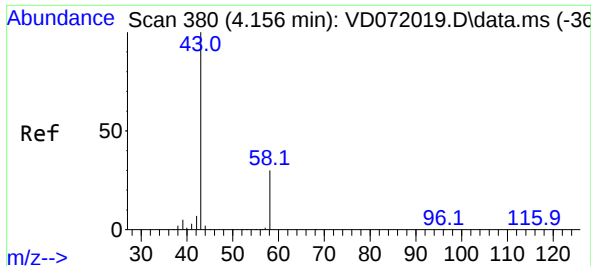
Delta R.T. 0.000 min

Lab File: VD072043.D

Acq: 21 Feb 2022 20:16

Tgt Ion:	59	Resp:	1165
Ion	Ratio	Lower	Upper
59	100		
57	0.0	5.4	8.2#

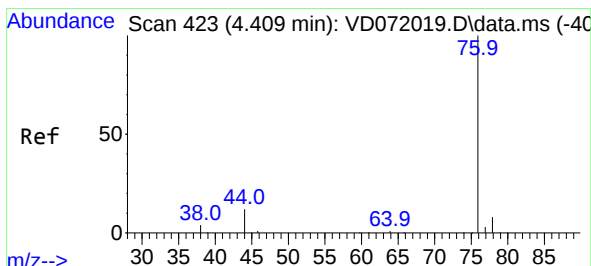
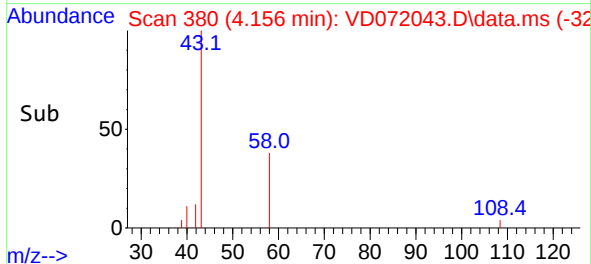
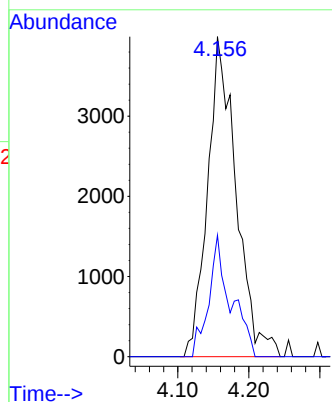
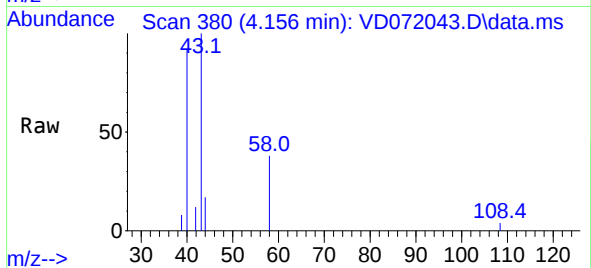




#16
Acetone
Concen: 10.221 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072043.D
Acq: 21 Feb 2022 20:16

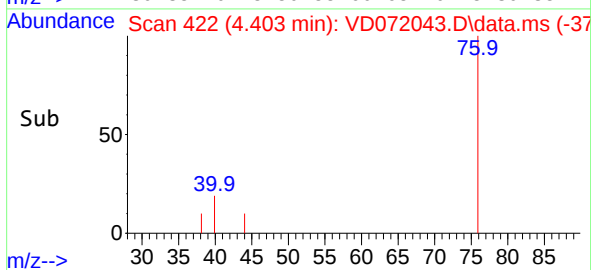
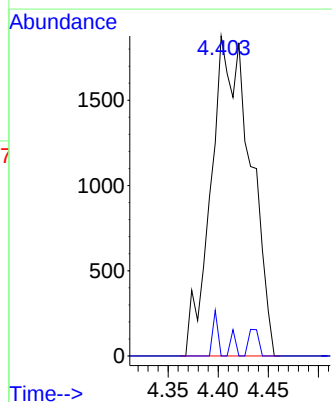
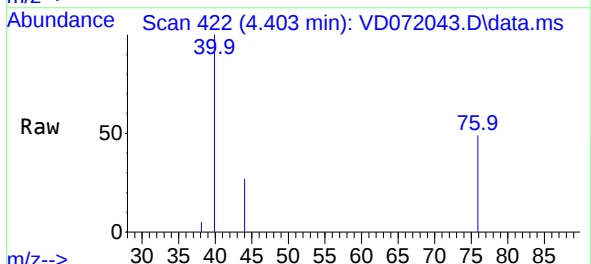
Instrument :
MSVOA_D
ClientSampleId :
CC-B7

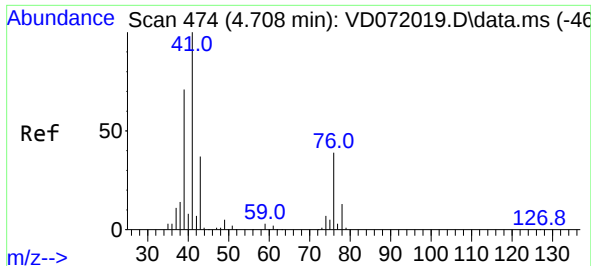
Tgt Ion: 43 Resp: 11155
Ion Ratio Lower Upper
43 100
58 37.9 23.8 35.6#



#17
Carbon Disulfide
Concen: 1.070 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD072043.D
Acq: 21 Feb 2022 20:16

Tgt Ion: 76 Resp: 5130
Ion Ratio Lower Upper
76 100
78 0.0 6.7 10.1#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.703 min Scan# 41

Delta R.T. -0.005 min

Lab File: VD072043.D

Acq: 21 Feb 2022 20:16

Instrument :

MSVOA_D

ClientSampleId :

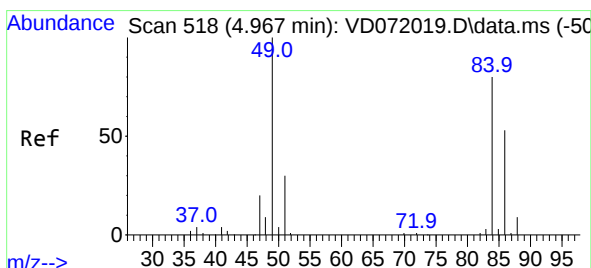
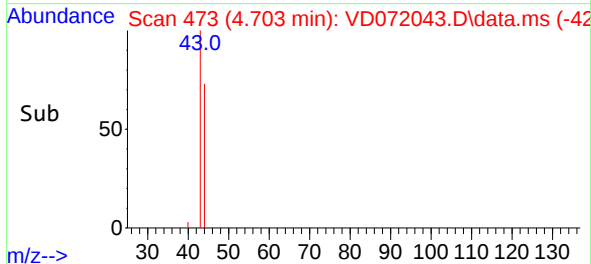
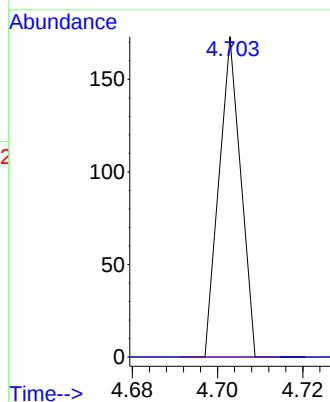
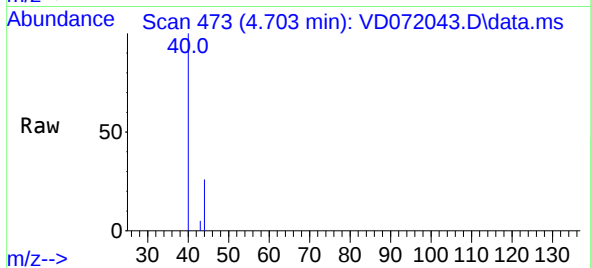
CC-B7

Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

74 0.0 18.6 27.8#



#20

Methylene Chloride

Concen: 2.750 ug/l

RT: 4.973 min Scan# 519

Delta R.T. 0.006 min

Lab File: VD072043.D

Acq: 21 Feb 2022 20:16

Tgt Ion: 84 Resp: 14937

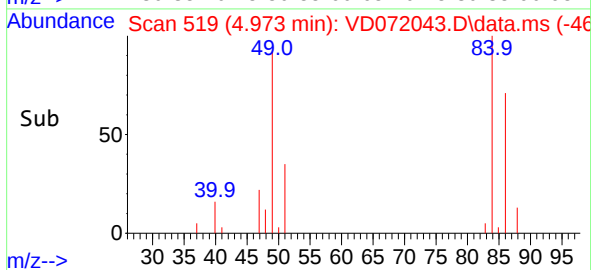
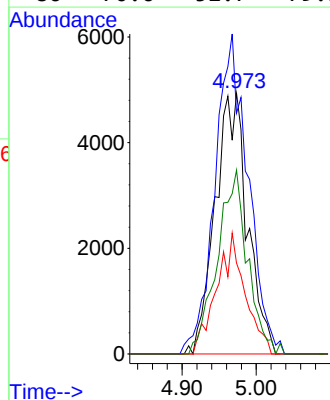
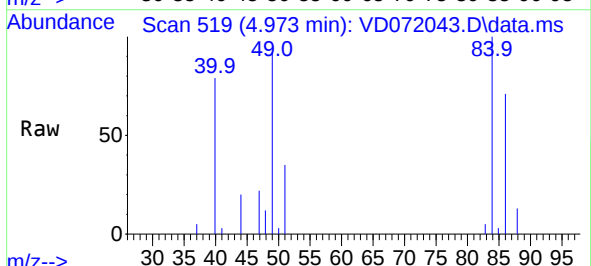
Ion Ratio Lower Upper

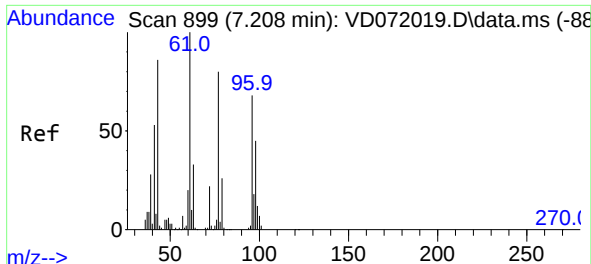
84 100

49 92.4 100.0 150.0#

51 34.9 30.2 45.4

86 70.6 52.7 79.1

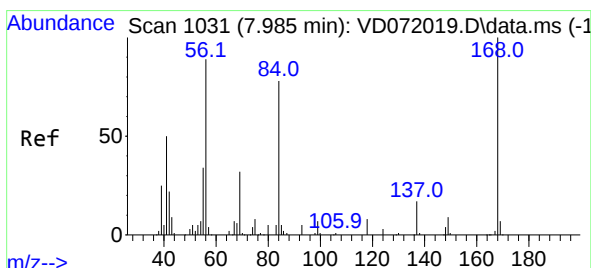
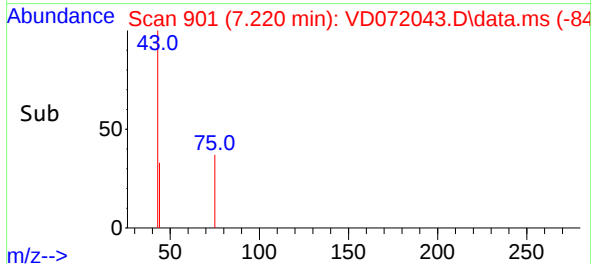
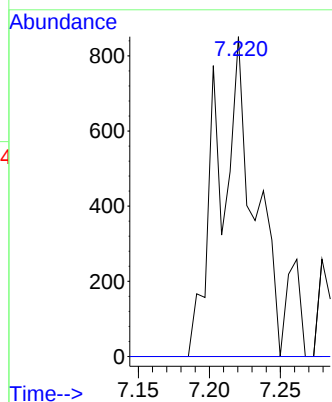
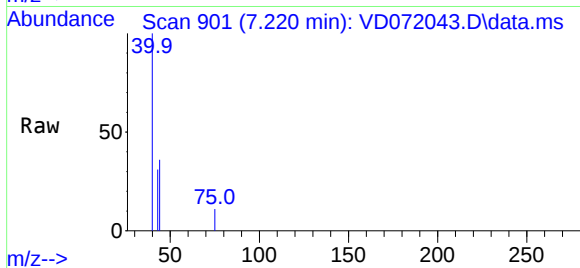




#25
2-Butanone
Concen: 1.001 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD072043.D
Acq: 21 Feb 2022 20:16

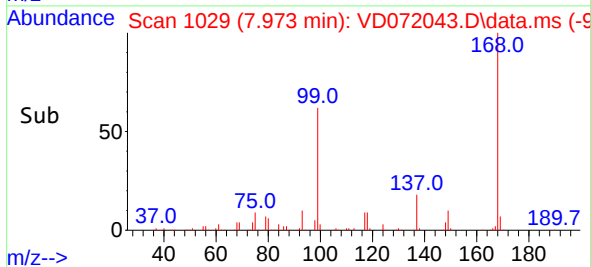
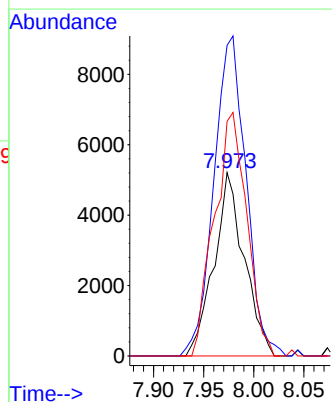
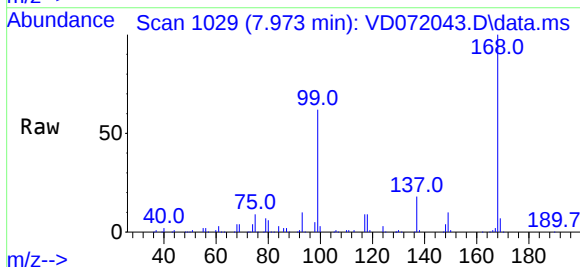
Instrument :
MSVOA_D
ClientSampleId :
CC-B7

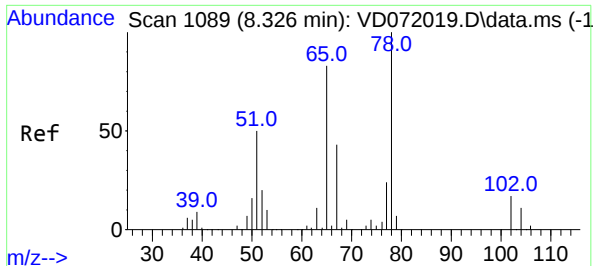
Tgt Ion: 43 Resp: 1510
Ion Ratio Lower Upper
43 100
72 0.0 20.3 30.5#



#31
Cyclohexane
Concen: 1.225 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.011 min
Lab File: VD072043.D
Acq: 21 Feb 2022 20:16

Tgt Ion: 56 Resp: 10931
Ion Ratio Lower Upper
56 100
69 169.4 28.9 43.3#
84 127.9 70.6 105.8#





#33

1,2-Dichloroethane-d4

Concen: 50.623 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072043.D

Acq: 21 Feb 2022 20:16

Instrument :

MSVOA_D

ClientSampleId :

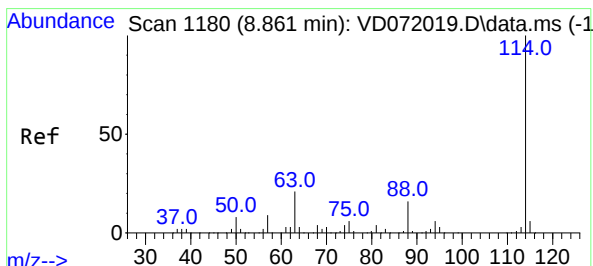
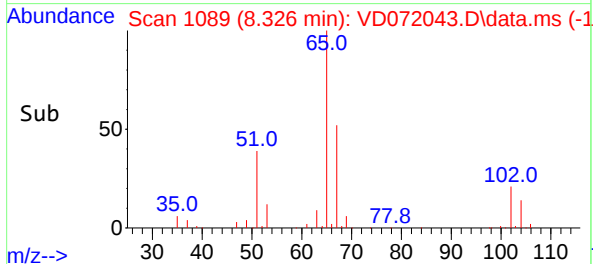
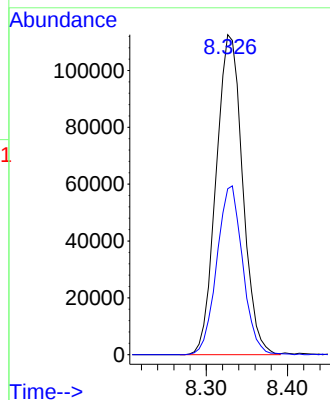
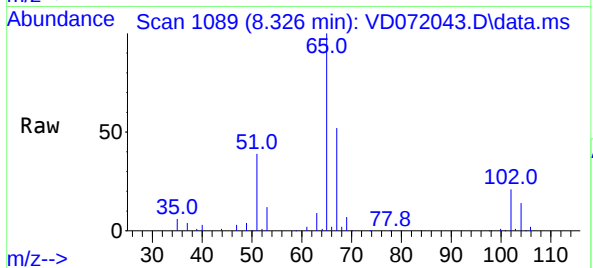
CC-B7

Tgt Ion: 65 Resp: 255652

Ion Ratio Lower Upper

65 100

67 51.5 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.862 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072043.D

Acq: 21 Feb 2022 20:16

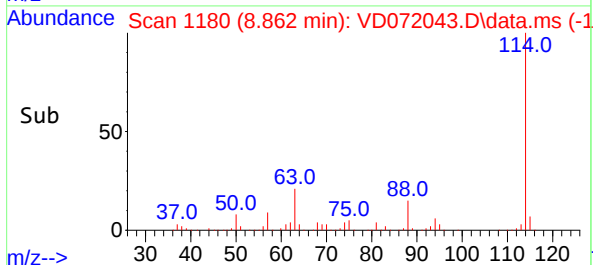
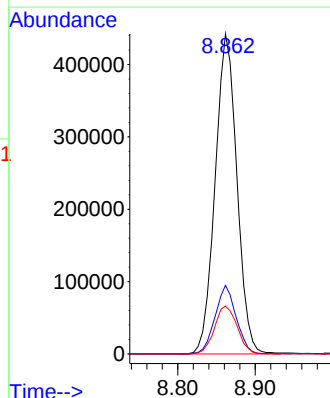
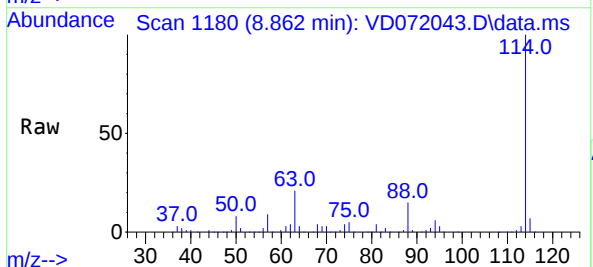
Tgt Ion: 114 Resp: 864224

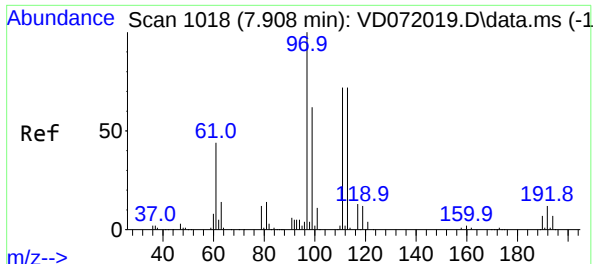
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.2

88 14.9 0.0 31.2

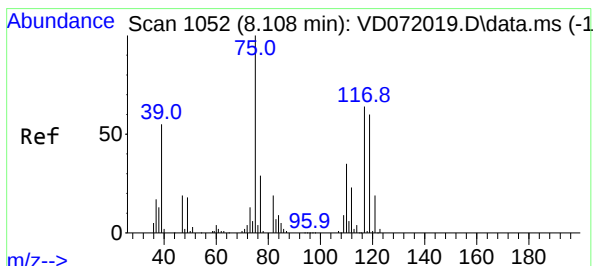
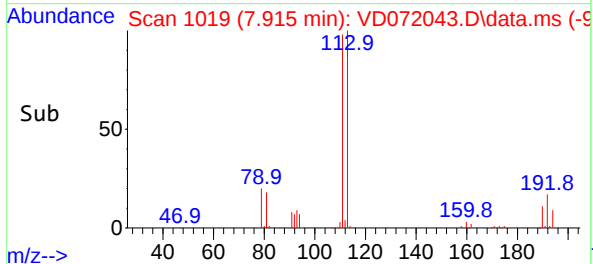
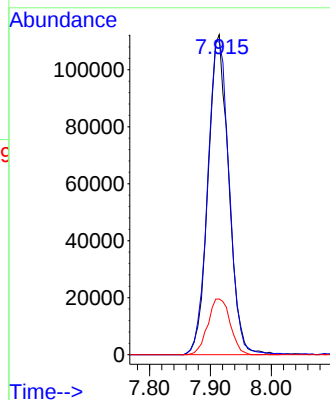
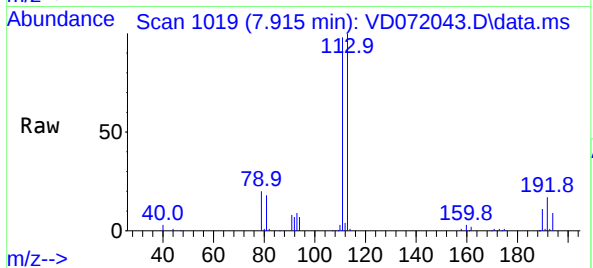




#35
Dibromofluoromethane
Concen: 50.529 ug/l
RT: 7.915 min Scan# 1018
Delta R.T. 0.006 min
Lab File: VD072043.D
Acq: 21 Feb 2022 20:16

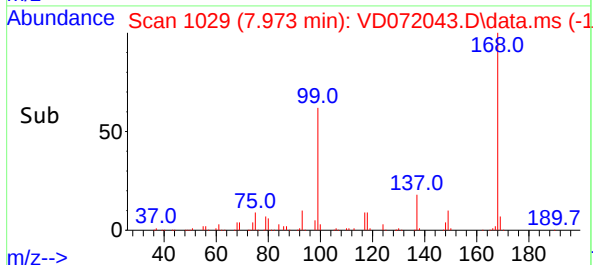
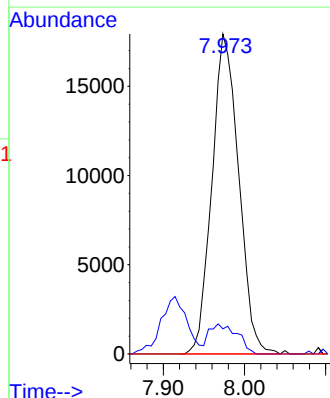
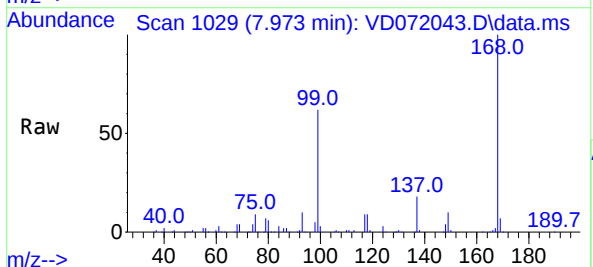
Instrument :
MSVOA_D
ClientSampleId :
CC-B7

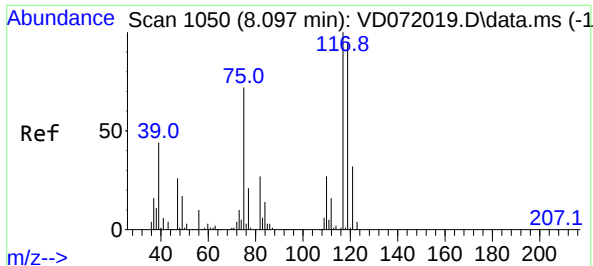
Tgt Ion:113 Resp: 264571
Ion Ratio Lower Upper
113 100
111 102.5 83.0 124.4
192 18.9 15.3 22.9



#36
1,1-Dichloropropene
Concen: 5.175 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072043.D
Acq: 21 Feb 2022 20:16

Tgt Ion: 75 Resp: 41045
Ion Ratio Lower Upper
75 100
110 9.7 17.7 53.1#
77 0.0 24.8 37.2#

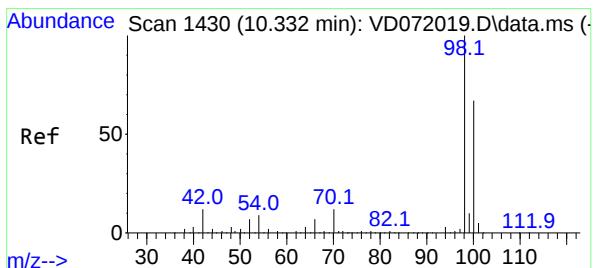
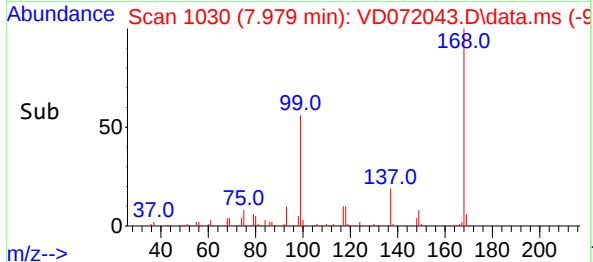
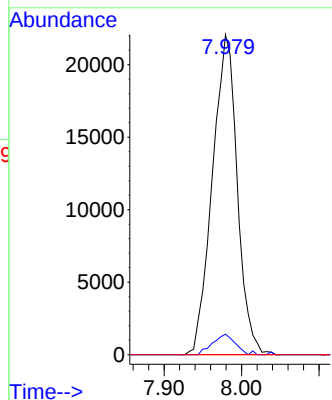
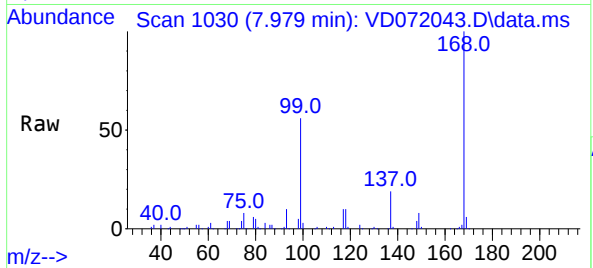




#38
Carbon Tetrachloride
Concen: 6.069 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.117 min
Lab File: VD072043.D
Acq: 21 Feb 2022 20:16

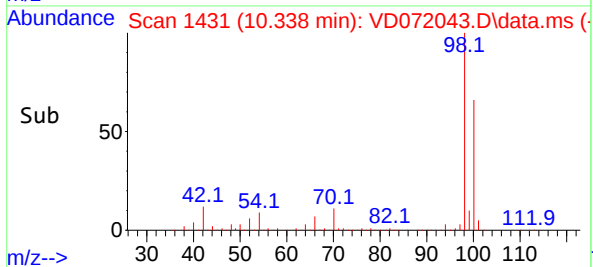
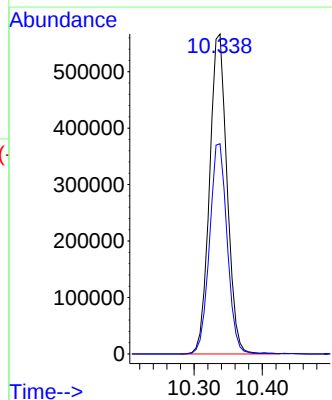
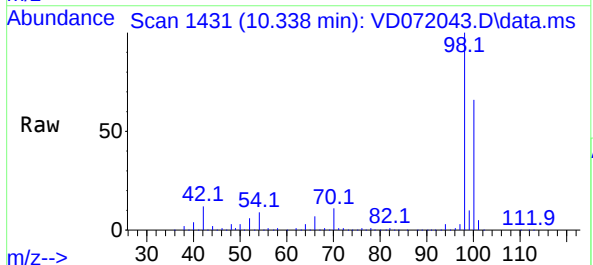
Instrument :
MSVOA_D
ClientSampleId :
CC-B7

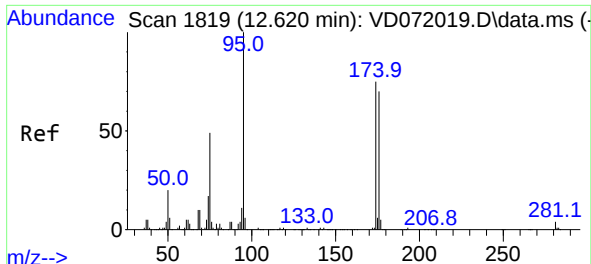
Tgt Ion:117 Resp: 49336
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.8#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 52.191 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD072043.D
Acq: 21 Feb 2022 20:16

Tgt Ion: 98 Resp: 1013428
Ion Ratio Lower Upper
98 100
100 66.0 53.8 80.6

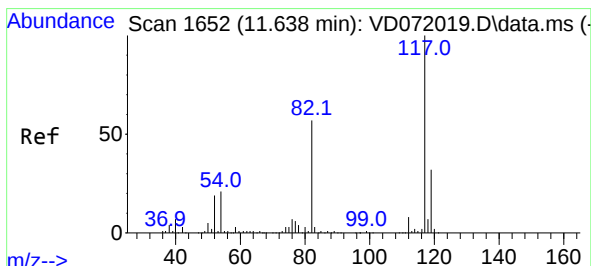
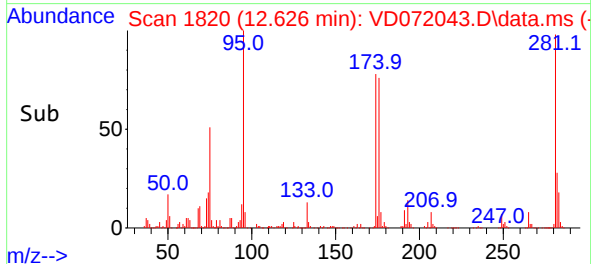
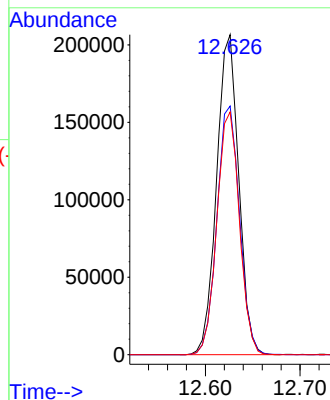
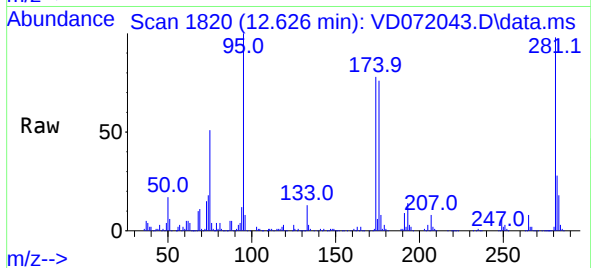




#62
4-Bromofluorobenzene
Concen: 46.994 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072043.D
Acq: 21 Feb 2022 20:16

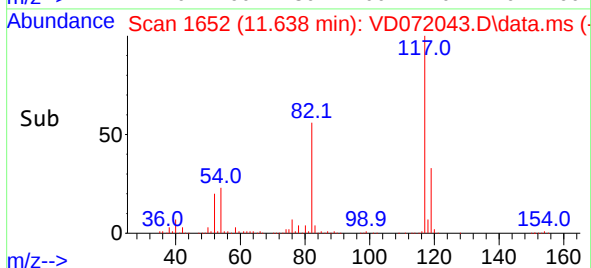
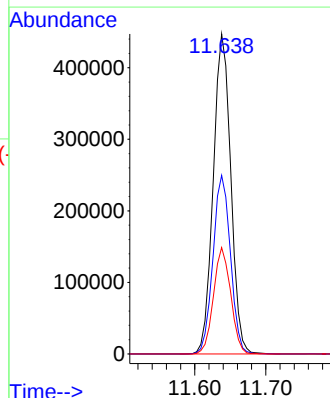
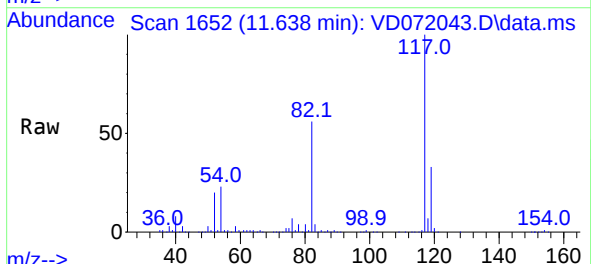
Instrument :
MSVOA_D
ClientSampleId :
CC-B7

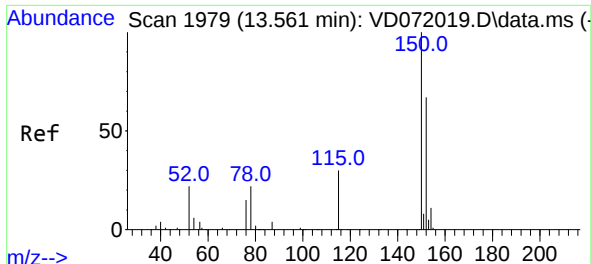
Tgt Ion: 95 Resp: 335188
Ion Ratio Lower Upper
95 100
174 79.7 0.0 155.0
176 77.3 0.0 148.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072043.D
Acq: 21 Feb 2022 20:16

Tgt Ion: 117 Resp: 766332
Ion Ratio Lower Upper
117 100
82 55.8 45.4 68.0
119 33.2 25.4 38.2

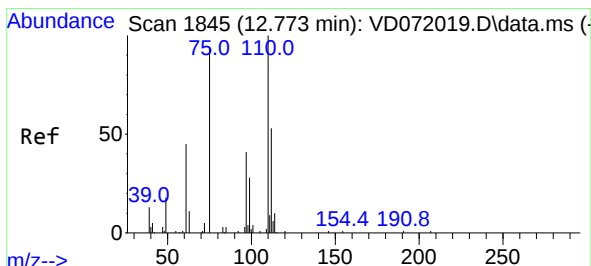
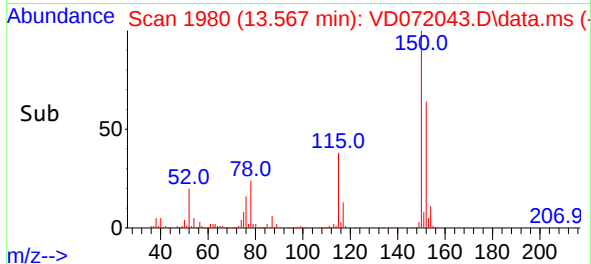
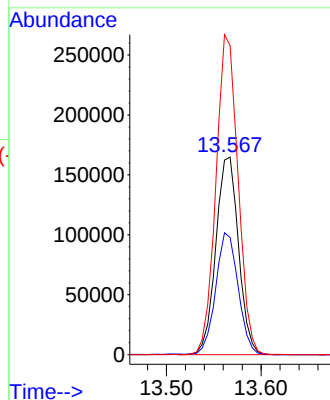
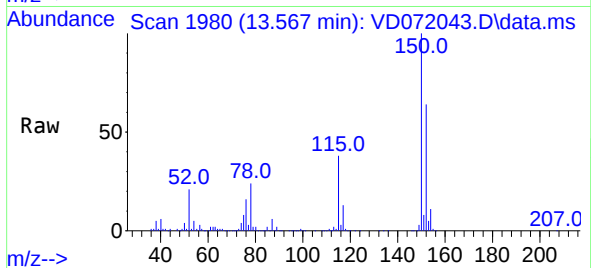




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072043.D
Acq: 21 Feb 2022 20:16

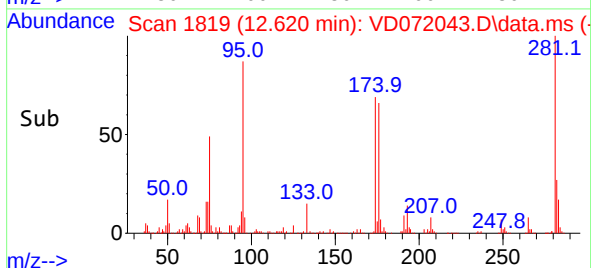
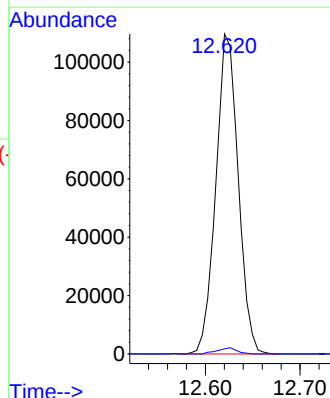
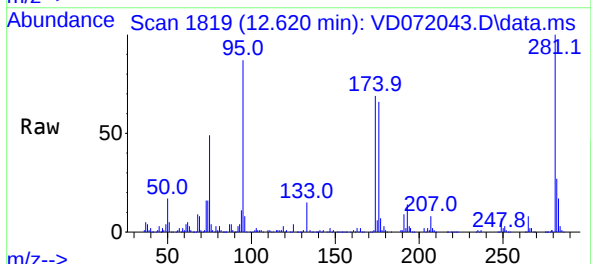
Instrument :
MSVOA_D
ClientSampleId :
CC-B7

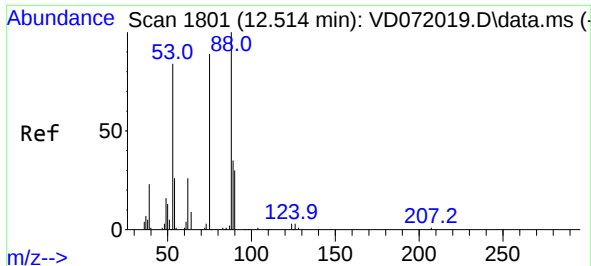
Tgt Ion:152 Resp: 274733
Ion Ratio Lower Upper
152 100
115 61.2 29.9 89.7
150 157.7 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 69.163 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072043.D
Acq: 21 Feb 2022 20:16

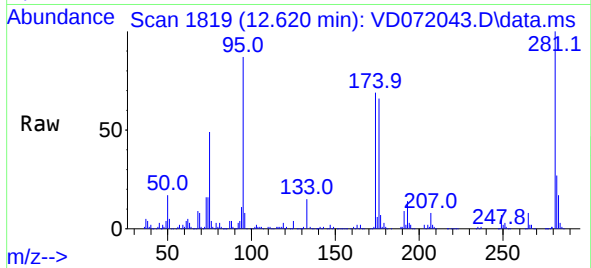
Tgt Ion: 75 Resp: 179986
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 173.200 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD072043.D
Acq: 21 Feb 2022 20:16

Instrument :
MSVOA_D
ClientSampleId :
CC-B7



Tgt Ion: 75 Resp: 179986
Ion Ratio Lower Upper
75 100
53 0.1 80.2 120.4#
89 1.6 36.4 54.6#

