

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073206.D
 Acq On : 21 May 2022 02:06
 Operator : VA/SY
 Sample : N2885-08
 Misc : 3.95G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P004-SS005-0006-01

Quant Time: May 21 03:54:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

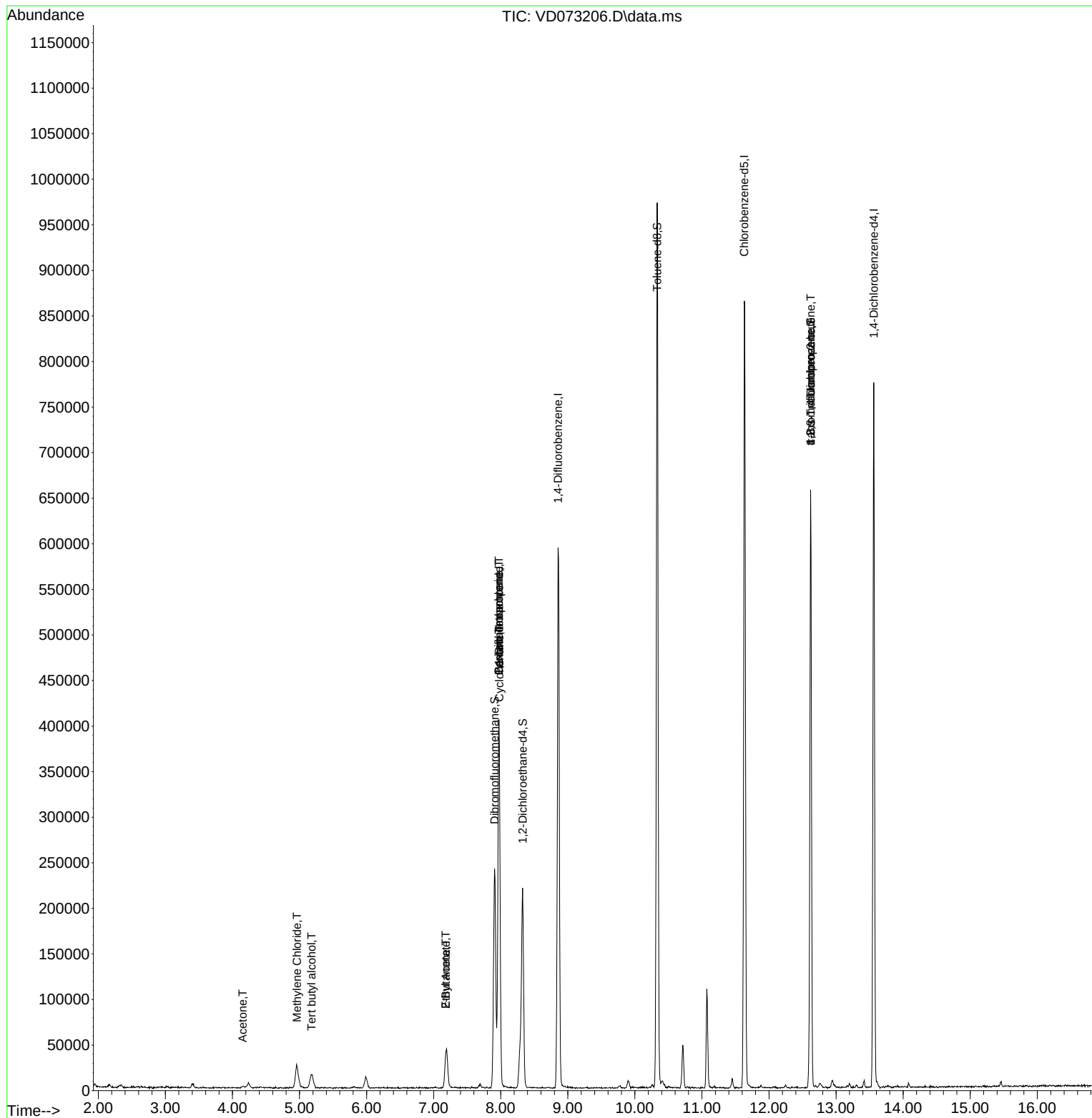
Internal Standards						
1) Pentafluorobenzene	7.973	168	289582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	513850	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	520157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	199997	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	164391	51.368	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.740%			
35) Dibromofluoromethane	7.909	113	173307	51.112	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.220%			
50) Toluene-d8	10.332	98	634269	50.745	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.500%			
62) 4-Bromofluorobenzene	12.620	95	209123	47.675	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.340%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	359	Below Cal	#	1
11) Tert butyl alcohol	5.179	59	13642	27.475	ug/l #	74
16) Acetone	4.150	43	3486	6.289	ug/l #	70
20) Methylene Chloride	4.962	84	19570	1.710	ug/l #	83
25) 2-Butanone	7.179	43	2476	3.053	ug/l #	52
31) Cyclohexane	7.979	56	7232	1.293	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	24697	4.843	ug/l #	50
37) Ethyl Acetate	7.179	43	2476	1.229	ug/l #	1
38) Carbon Tetrachloride	7.973	117	31650	6.123	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	108570	55.327	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	108570	132.824	ug/l #	7

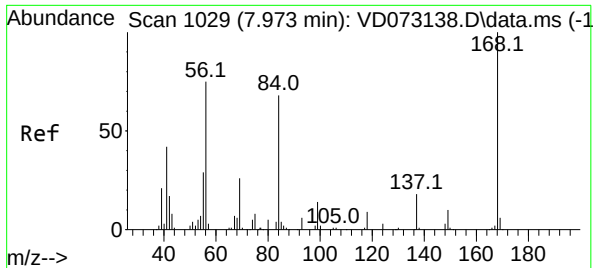
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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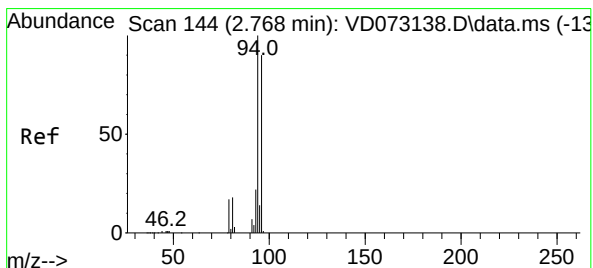
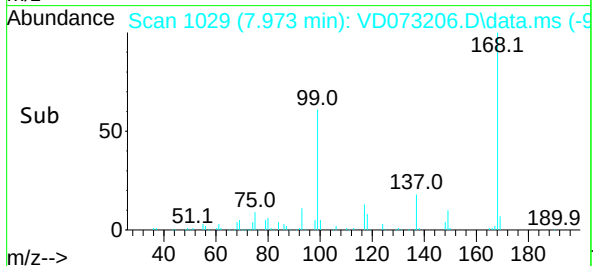
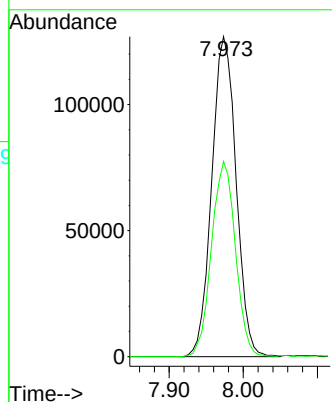
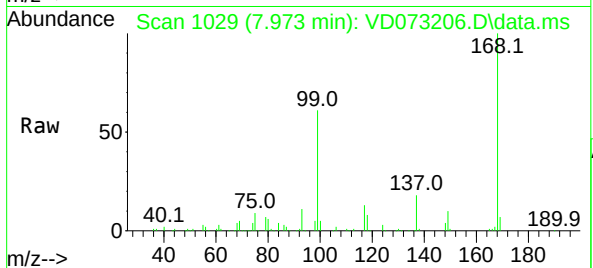




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073206.D
Acq: 21 May 2022 02:06

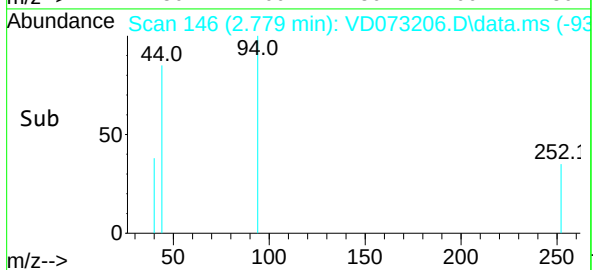
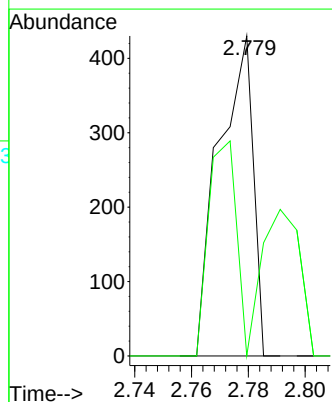
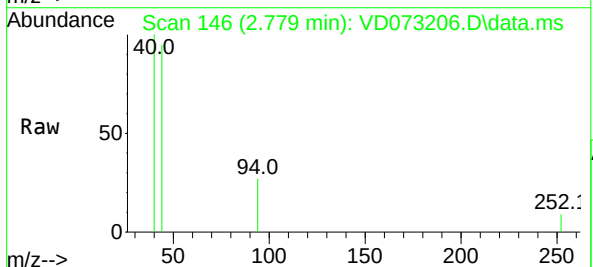
Instrument :
MSVOA_D
ClientSampleId :
P004-SS005-0006-01

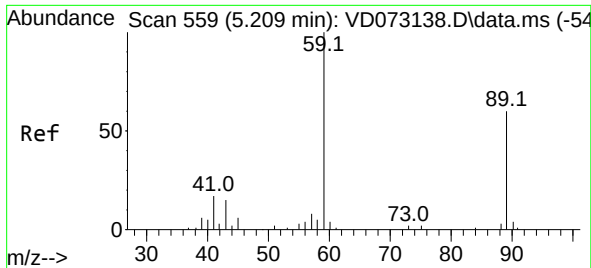
Tgt Ion:168 Resp: 289582
Ion Ratio Lower Upper
168 100
99 61.0 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD073206.D
Acq: 21 May 2022 02:06

Tgt Ion: 94 Resp: 359
Ion Ratio Lower Upper
94 100
96 0.0 77.6 116.4#

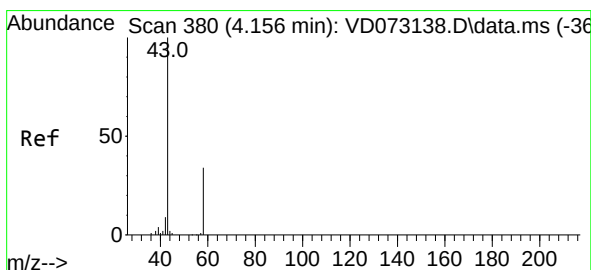
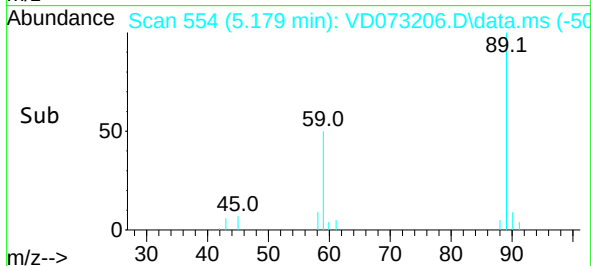
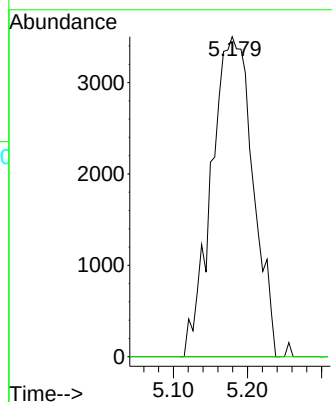
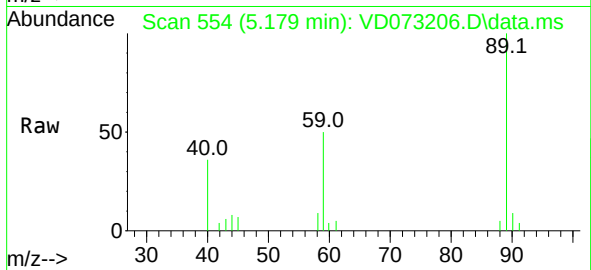




#11
Tert butyl alcohol
Concen: 27.475 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073206.D
Acq: 21 May 2022 02:06

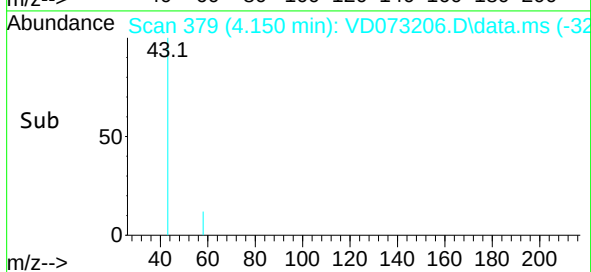
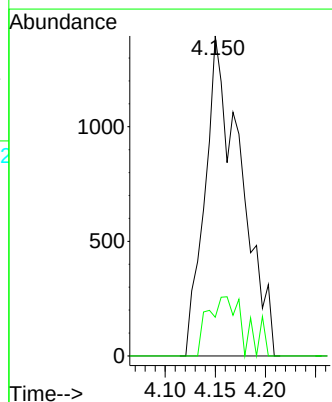
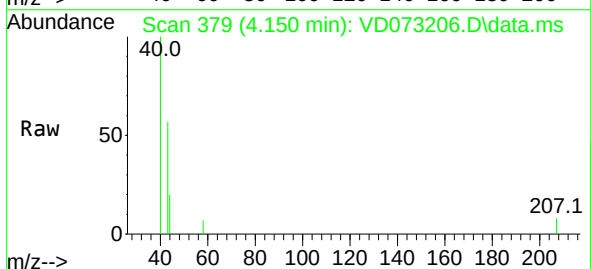
Instrument :
MSVOA_D
ClientSampleId :
P004-SS005-0006-01

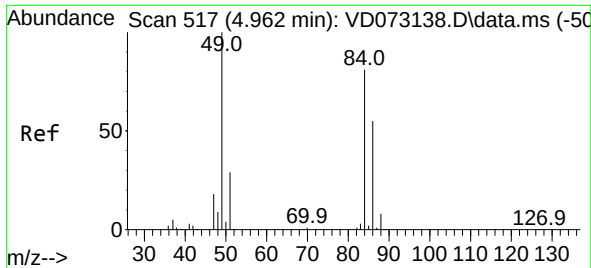
Tgt Ion: 59 Resp: 13642
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 6.289 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD073206.D
Acq: 21 May 2022 02:06

Tgt Ion: 43 Resp: 3486
Ion Ratio Lower Upper
43 100
58 12.1 22.1 33.1#

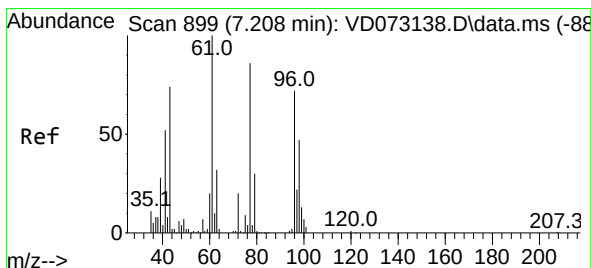
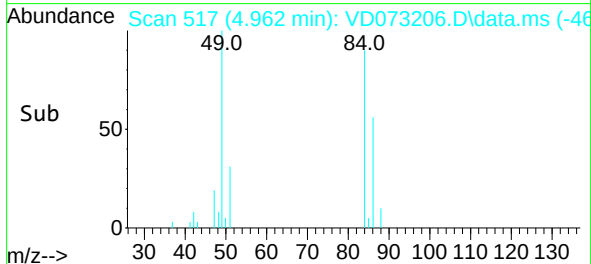
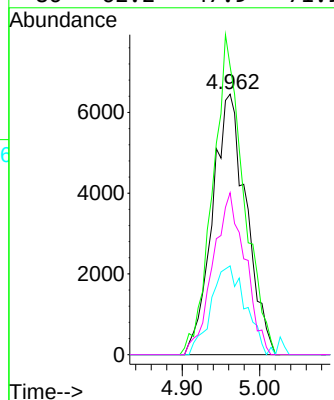
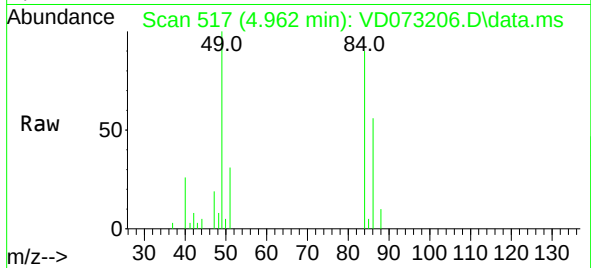




#20
Methylene Chloride
Concen: 1.710 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD073206.D
Acq: 21 May 2022 02:06

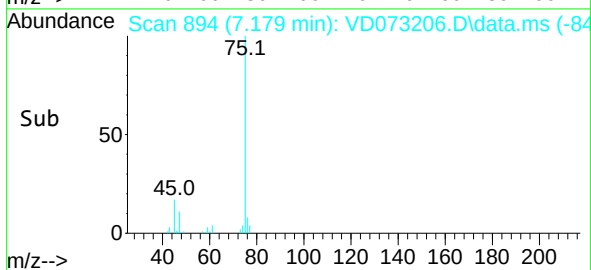
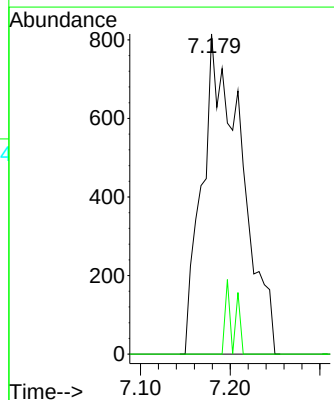
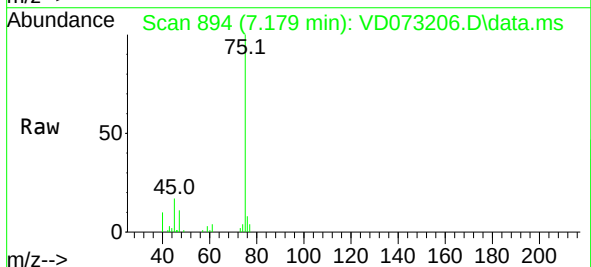
Instrument :
MSVOA_D
ClientSampleId :
P004-SS005-0006-01

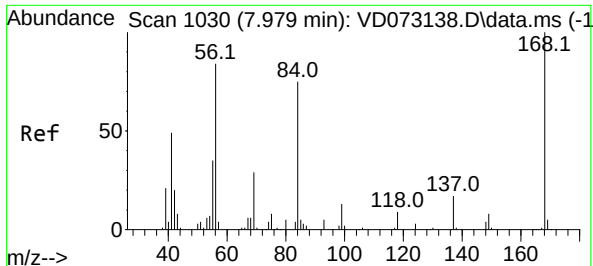
Tgt Ion:	84	Resp:	19570
Ion	Ratio	Lower	Upper
84	100		
49	110.7	112.8	169.2#
51	34.1	32.6	48.8
86	62.2	47.9	71.9



#25
2-Butanone
Concen: 3.053 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.029 min
Lab File: VD073206.D
Acq: 21 May 2022 02:06

Tgt Ion:	43	Resp:	2476
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#31

Cyclohexane

Concen: 1.293 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD073206.D

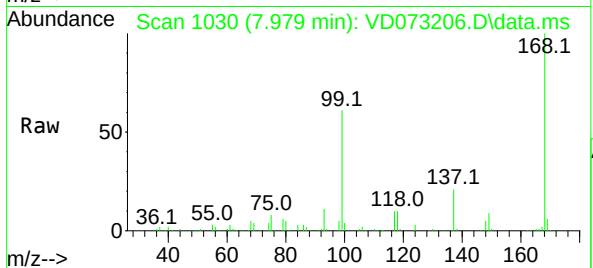
Acq: 21 May 2022 02:06

Instrument :

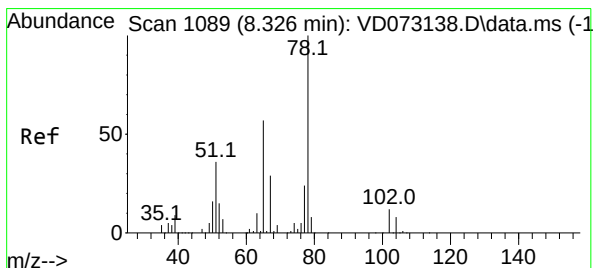
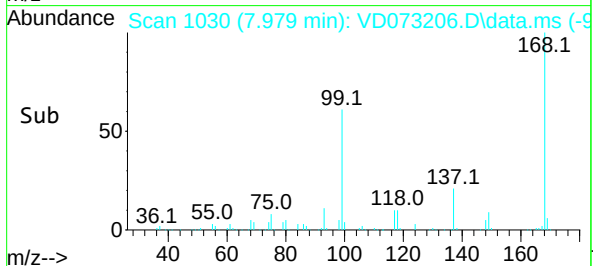
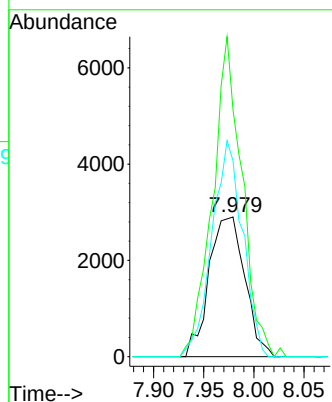
MSVOA_D

ClientSampleId :

P004-SS005-0006-01



Tgt Ion:	56	Resp:	7232
Ion Ratio	100		
Lower	25.4		
Upper	38.2#		
69	176.8		
84	140.2		
63.0			
94.4#			



#33

1,2-Dichloroethane-d4

Concen: 51.368 ug/l

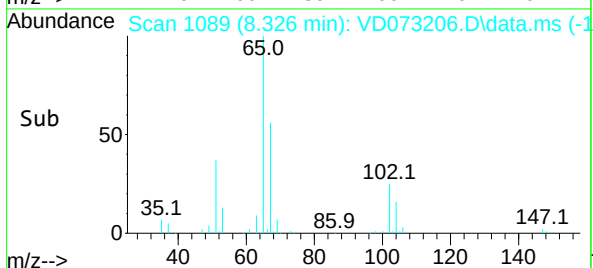
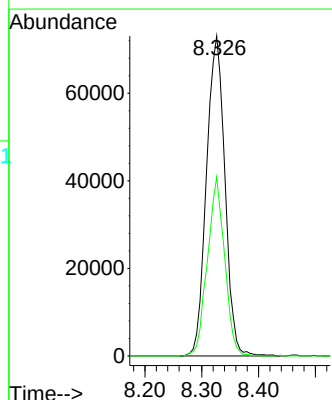
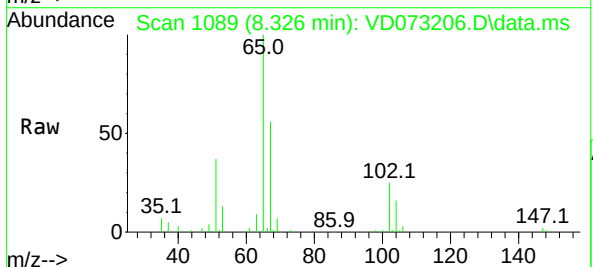
RT: 8.326 min Scan# 1089

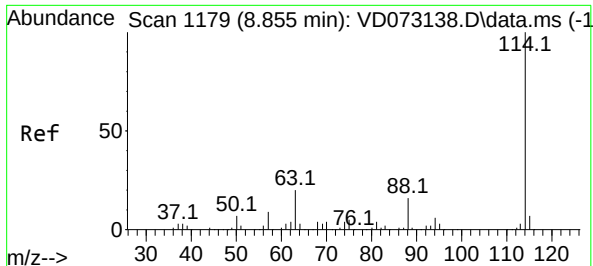
Delta R.T. 0.000 min

Lab File: VD073206.D

Acq: 21 May 2022 02:06

Tgt Ion:	65	Resp:	164391
Ion Ratio	100		
Lower	0.0		
Upper	101.4		
67	52.2		





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073206.D

Acq: 21 May 2022 02:06

Instrument :

MSVOA_D

ClientSampleId :

P004-SS005-0006-01

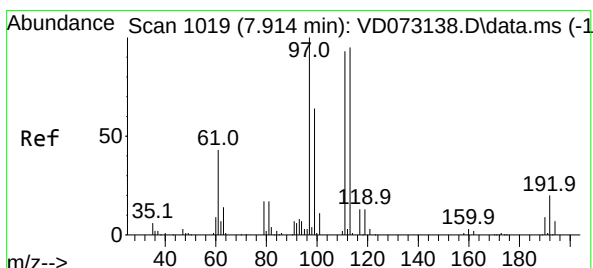
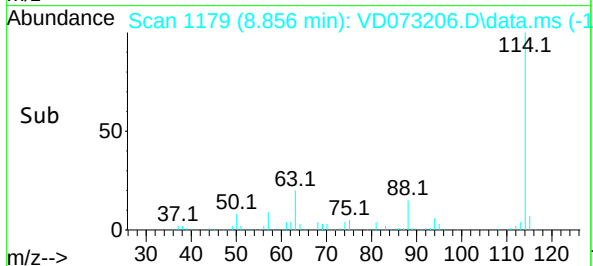
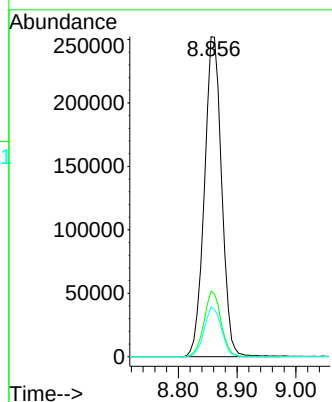
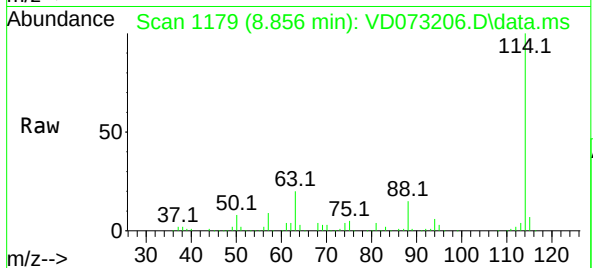
Tgt Ion:114 Resp: 513850

Ion Ratio Lower Upper

114 100

63 20.5 0.0 46.6

88 15.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 51.112 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073206.D

Acq: 21 May 2022 02:06

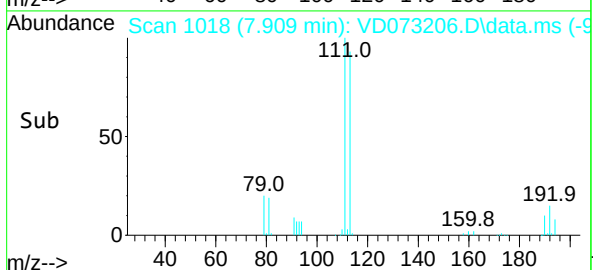
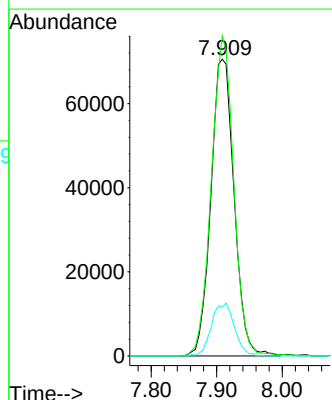
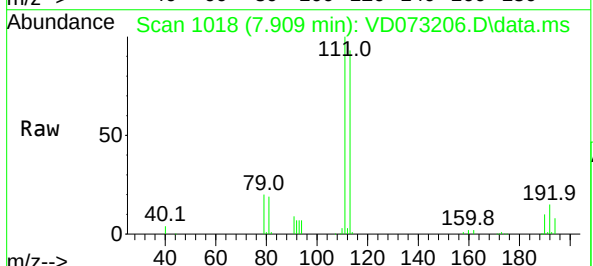
Tgt Ion:113 Resp: 173307

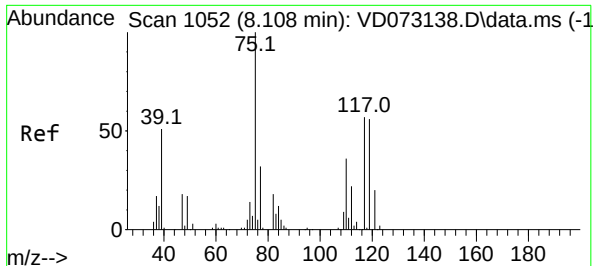
Ion Ratio Lower Upper

113 100

111 104.4 83.8 125.6

192 17.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.843 ug/l

RT: 7.973 min Scan# 1

Delta R.T. -0.135 min

Lab File: VD073206.D

Acq: 21 May 2022 02:06

Instrument :

MSVOA_D

ClientSampleId :

P004-SS005-0006-01

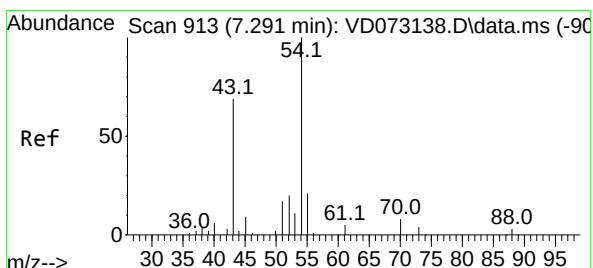
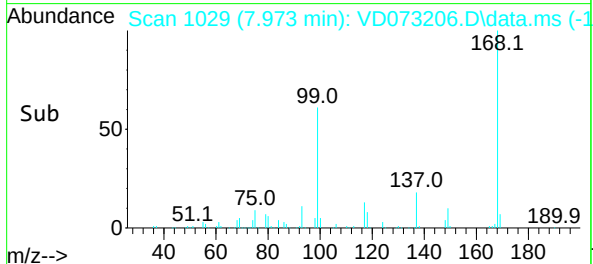
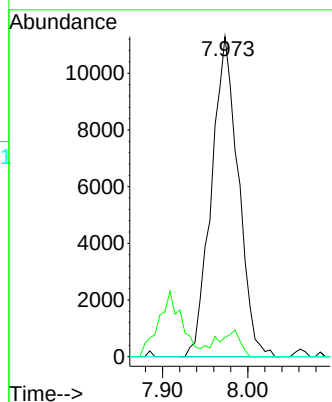
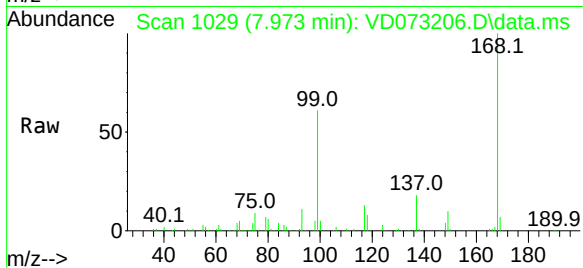
Tgt Ion: 75 Resp: 24697

Ion Ratio Lower Upper

75 100

110 7.3 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 1.229 ug/l

RT: 7.179 min Scan# 894

Delta R.T. -0.112 min

Lab File: VD073206.D

Acq: 21 May 2022 02:06

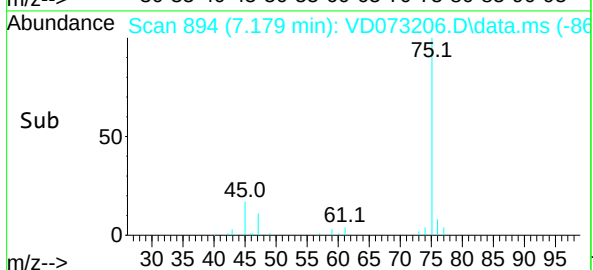
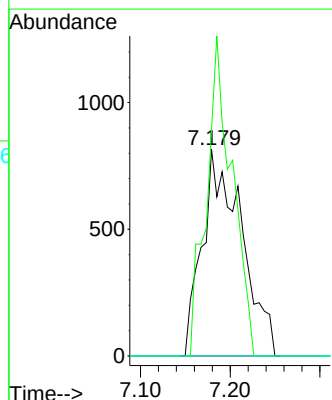
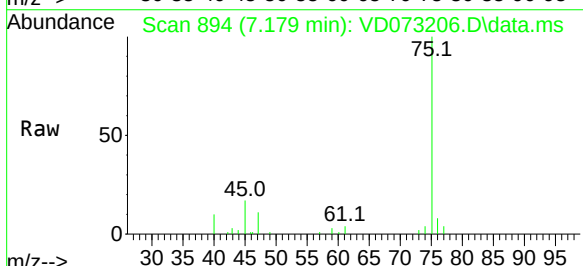
Tgt Ion: 43 Resp: 2476

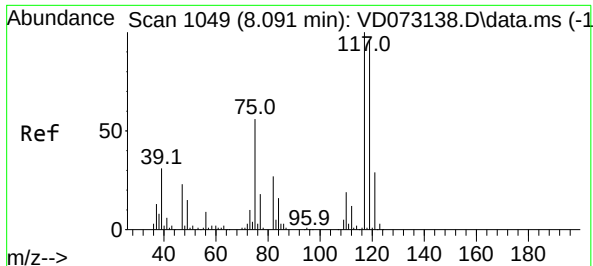
Ion Ratio Lower Upper

43 100

61 101.6 9.8 14.8#

70 0.0 6.9 10.3#

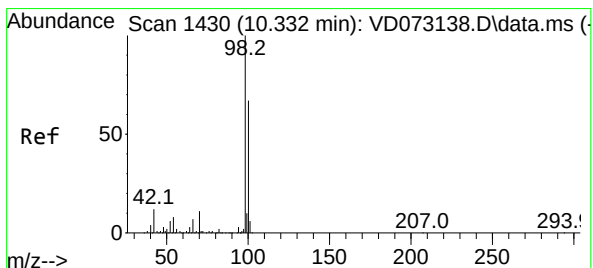
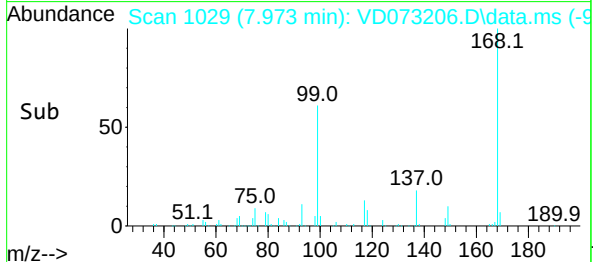
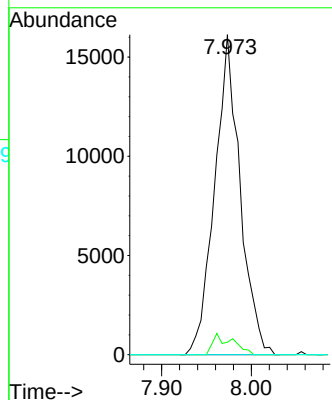
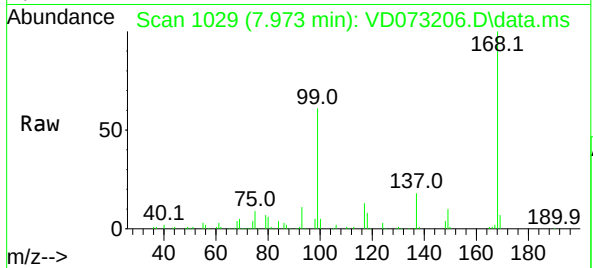




#38
Carbon Tetrachloride
Concen: 6.123 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073206.D
Acq: 21 May 2022 02:06

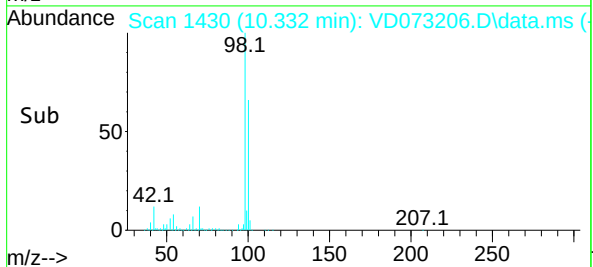
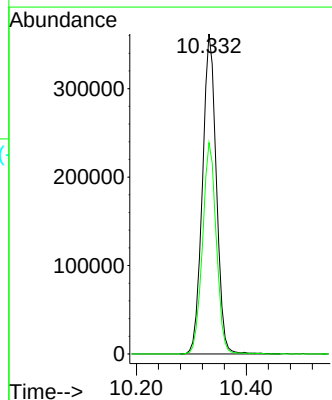
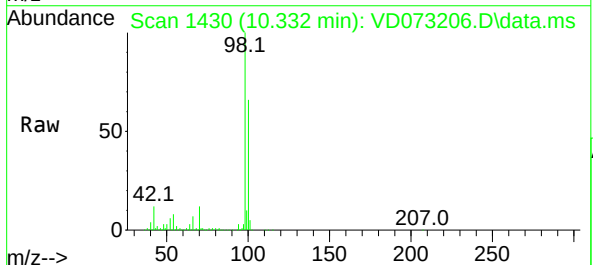
Instrument :
MSVOA_D
ClientSampleId :
P004-SS005-0006-01

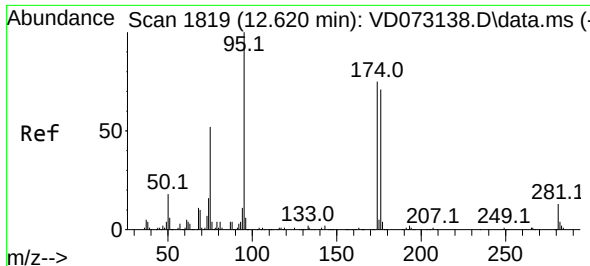
Tgt Ion:117 Resp: 31650
Ion Ratio Lower Upper
117 100
119 3.9 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.745 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073206.D
Acq: 21 May 2022 02:06

Tgt Ion: 98 Resp: 634269
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6

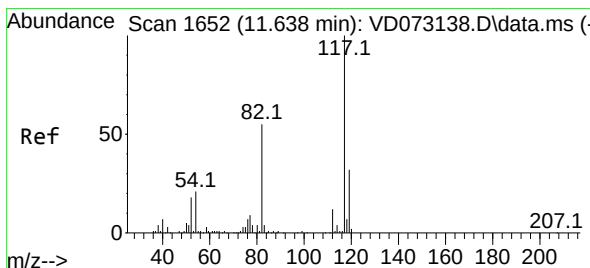
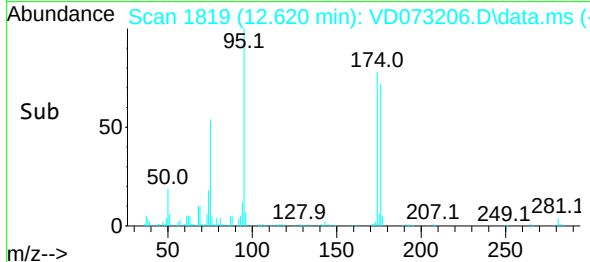
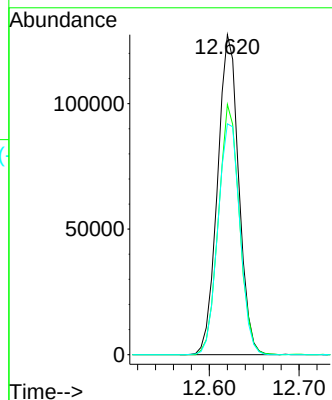
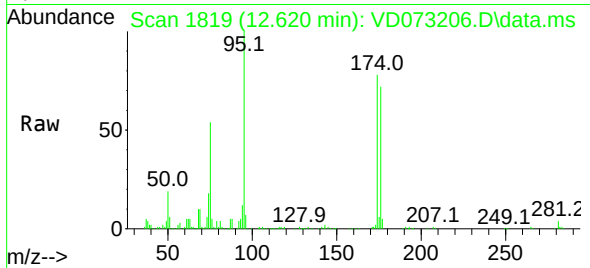




#62
4-Bromofluorobenzene
Concen: 47.675 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073206.D
Acq: 21 May 2022 02:06

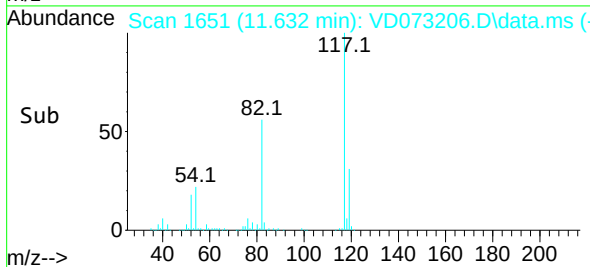
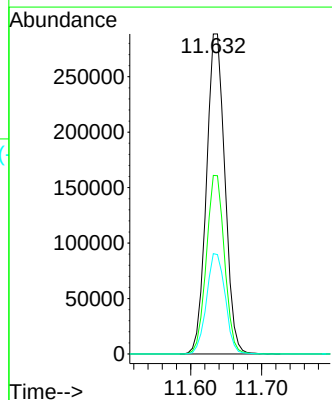
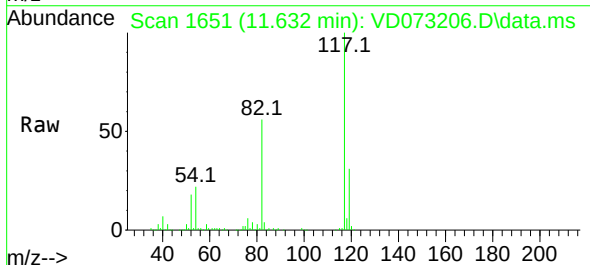
Instrument :
MSVOA_D
ClientSampleId :
P004-SS005-0006-01

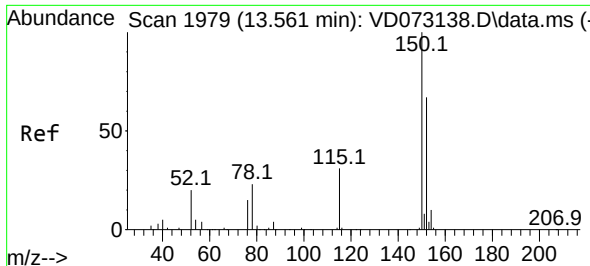
Tgt Ion: 95 Resp: 209123
Ion Ratio Lower Upper
95 100
174 77.2 0.0 152.8
176 74.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073206.D
Acq: 21 May 2022 02:06

Tgt Ion: 117 Resp: 520157
Ion Ratio Lower Upper
117 100
82 55.8 45.3 67.9
119 31.3 26.6 40.0

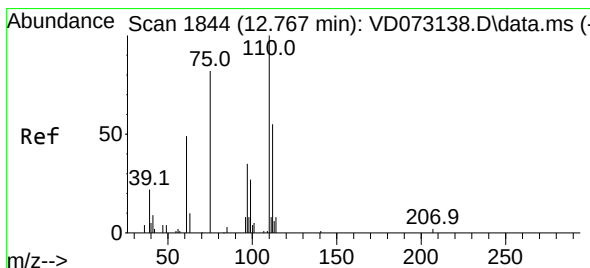
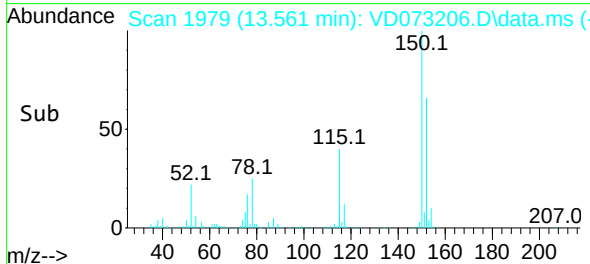
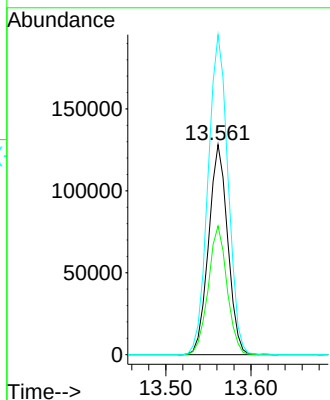
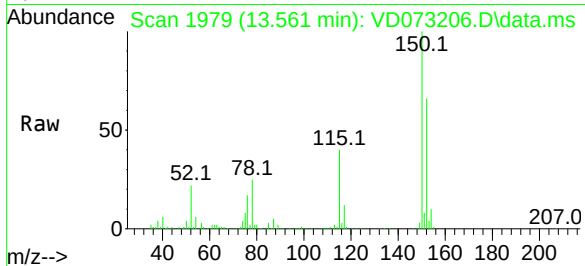




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073206.D
Acq: 21 May 2022 02:06

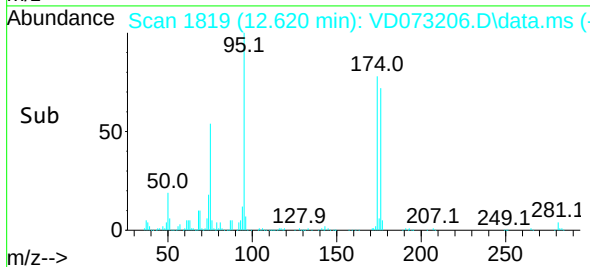
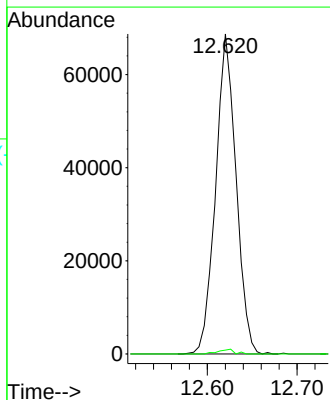
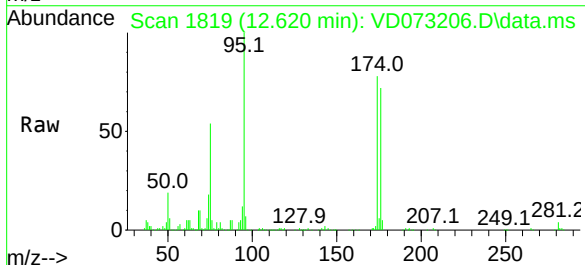
Instrument :
MSVOA_D
ClientSampleId :
P004-SS005-0006-01

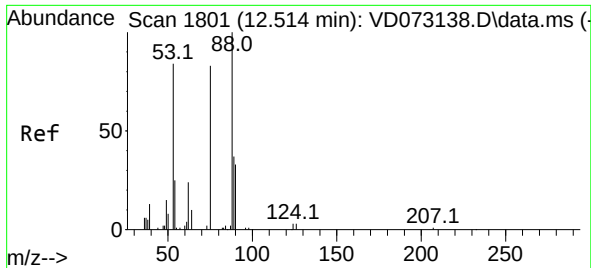
Tgt Ion:152 Resp: 199997
Ion Ratio Lower Upper
152 100
115 60.3 31.3 93.8
150 159.2 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 55.327 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073206.D
Acq: 21 May 2022 02:06

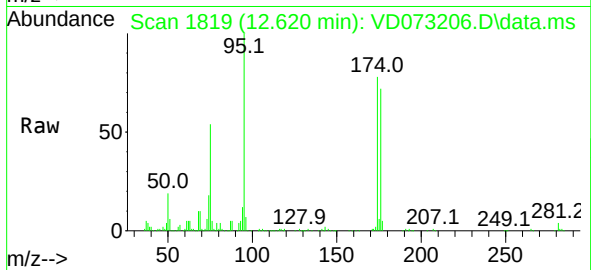
Tgt Ion: 75 Resp: 108570
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.824 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073206.D
 Acq: 21 May 2022 02:06

Instrument :
 MSVOA_D
 ClientSampleId :
 P004-SS005-0006-01



Tgt Ion: 75 Resp: 108570
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.5 129.7#
 89 0.0 33.9 50.9#

