

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062023\
 Data File : VD076491.D
 Acq On : 20 Jun 2023 14:46
 Operator : KP/SY
 Sample : 03289-08
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-03-4.0-6.0

Quant Time: Jun 21 06:46:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

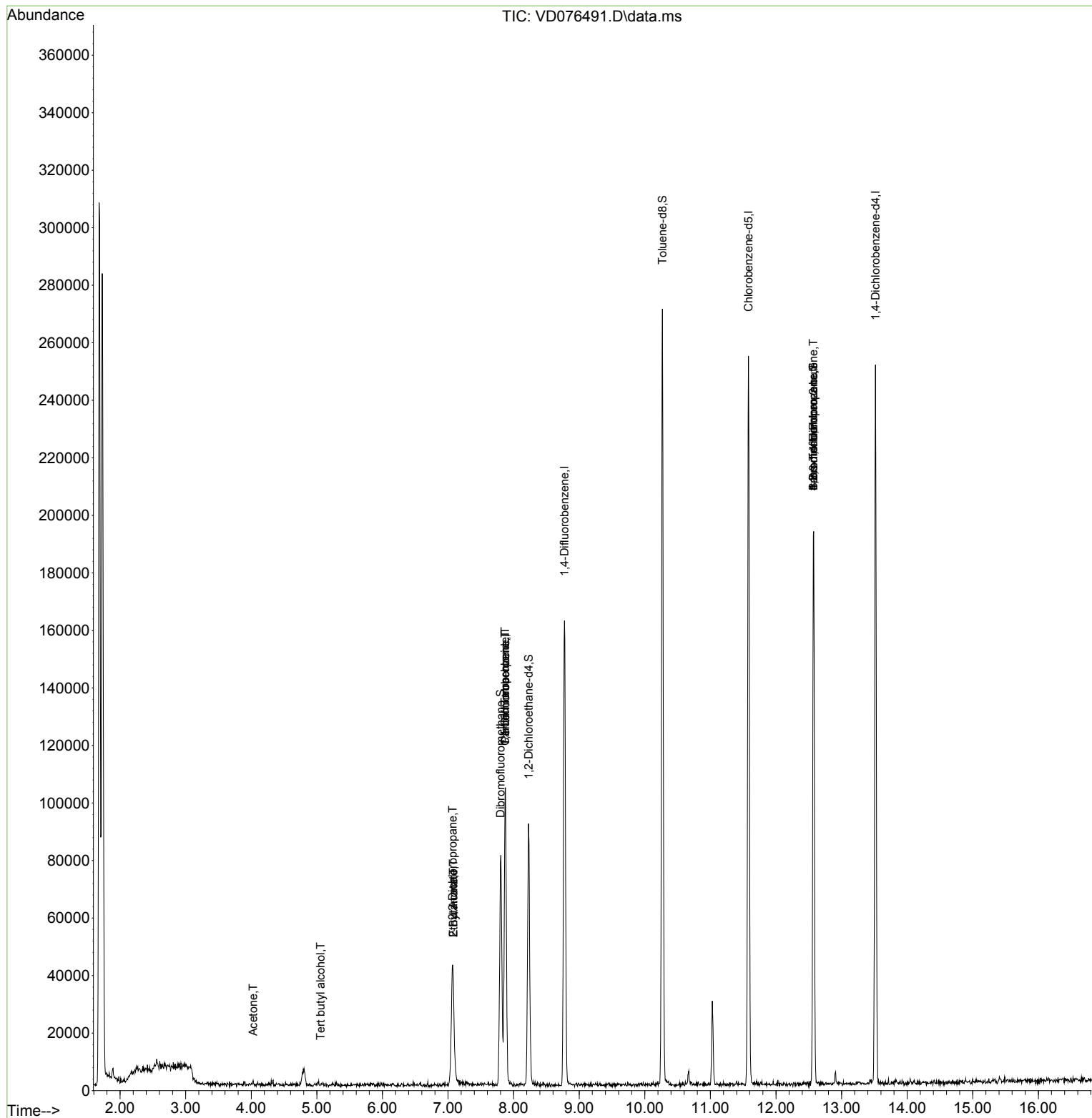
Internal Standards						
1) Pentafluorobenzene	7.875	168	82541	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	148081	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	143000	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	65160	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	65635	79.366	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 158.740%			
35) Dibromofluoromethane	7.799	113	55811	63.443	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 126.880%			
50) Toluene-d8	10.269	98	180196	54.012	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.020%			
62) 4-Bromofluorobenzene	12.569	95	59475	54.930	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.860%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.058	59	332	4.650	ug/l #	73
16) Acetone	4.028	43	1276	6.484	ug/l #	32
20) Methylene Chloride	4.793	84	3787	Below Cal	#	67
25) 2-Butanone	7.081	43	2610	8.575	ug/l #	37
26) 2,2-Dichloropropane	7.069	77	3361	2.337	ug/l #	49
28) Bromochloromethane	7.205	49	78	Below Cal	#	1
36) 1,1-Dichloropropene	7.869	75	6950	5.642	ug/l #	47
37) Ethyl Acetate	7.081	43	2610	3.656	ug/l #	62
38) Carbon Tetrachloride	7.869	117	7000	6.357	ug/l #	16
71) Bromoform	12.569	173	730	1.251	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	32028	49.526	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	32028	108.522	ug/l #	17

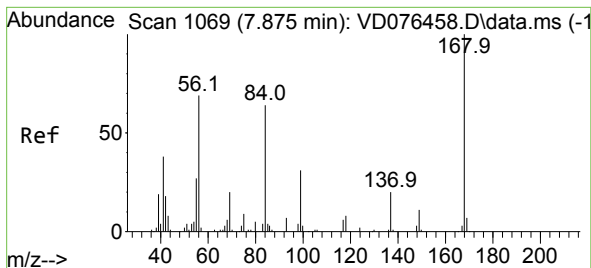
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD076491.D

Acq: 20 Jun 2023 14:46

Instrument :

MSVOA_D

ClientSampleId :

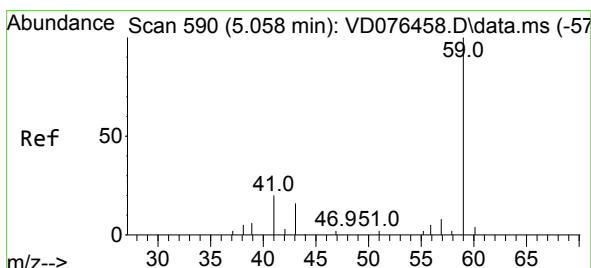
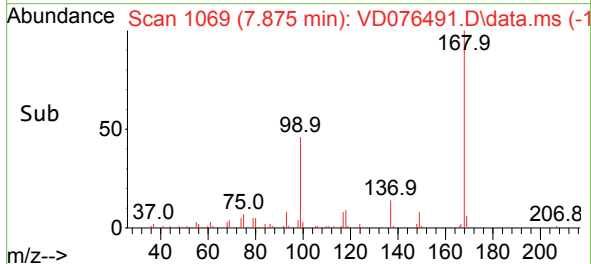
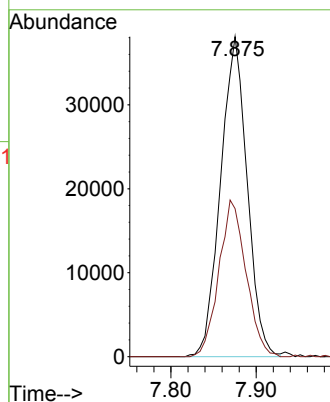
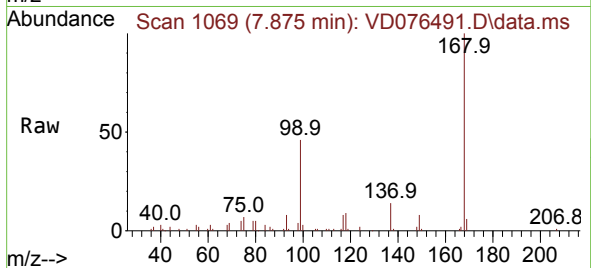
SB-03-4.0-6.0

Tgt Ion:168 Resp: 82541

Ion Ratio Lower Upper

168 100

99 46.3 36.7 55.1



#11

Tert butyl alcohol

Concen: 4.650 ug/l

RT: 5.058 min Scan# 590

Delta R.T. 0.000 min

Lab File: VD076491.D

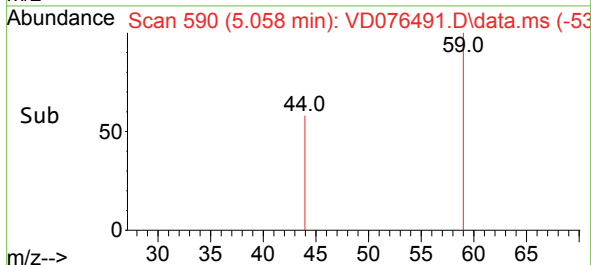
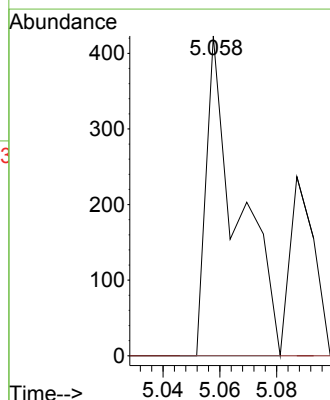
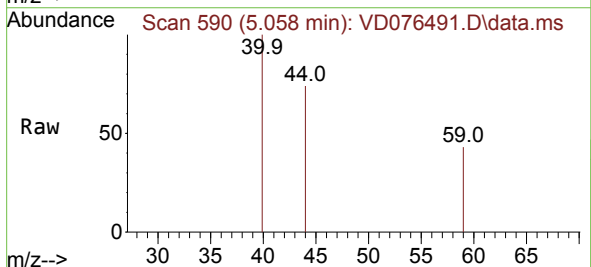
Acq: 20 Jun 2023 14:46

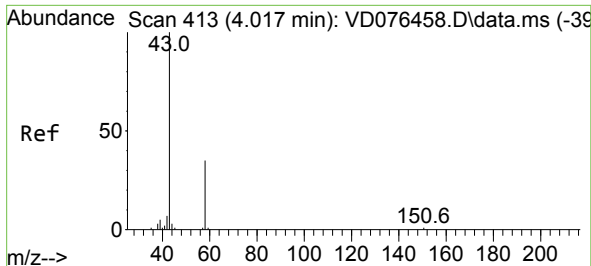
Tgt Ion: 59 Resp: 332

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

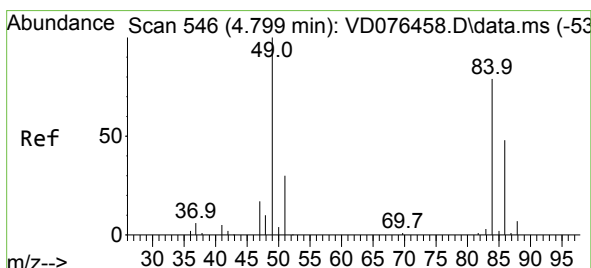
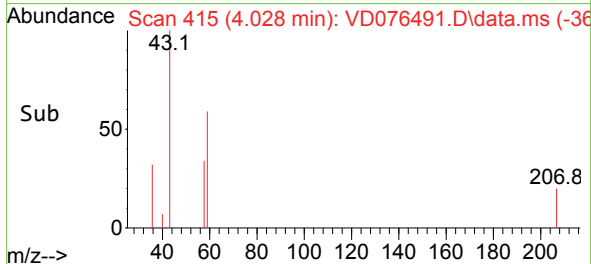
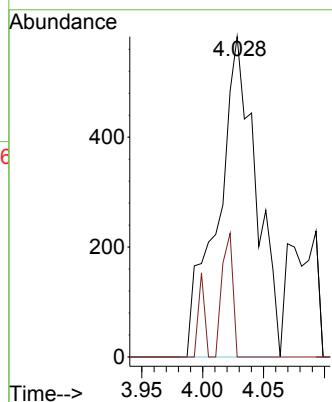
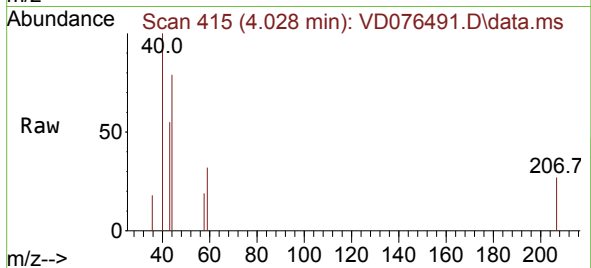




#16
Acetone
Concen: 6.484 ug/l
RT: 4.028 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD076491.D
Acq: 20 Jun 2023 14:46

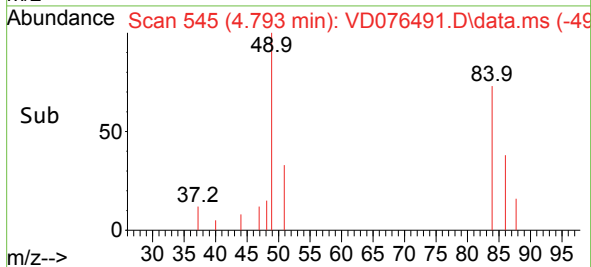
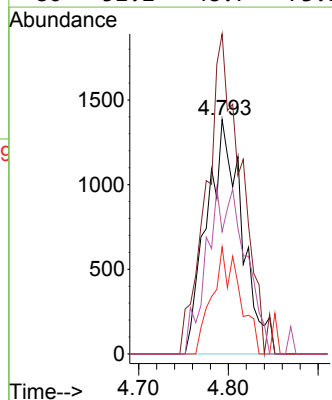
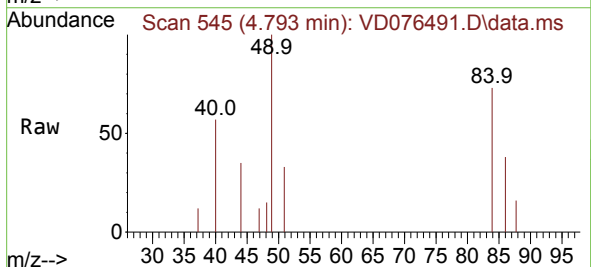
Instrument :
MSVOA_D
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SB-03-4.0-6.0

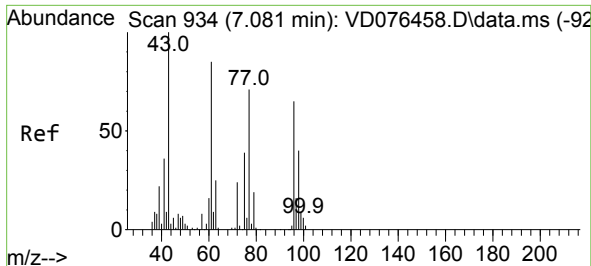
Tgt Ion: 43 Resp: 1276
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD076491.D
Acq: 20 Jun 2023 14:46

Tgt Ion: 84 Resp: 3787
Ion Ratio Lower Upper
84 100
49 136.6 71.4 107.2#
51 45.6 24.5 36.7#
86 52.2 48.7 73.1

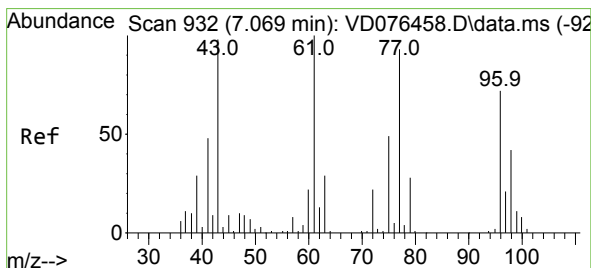
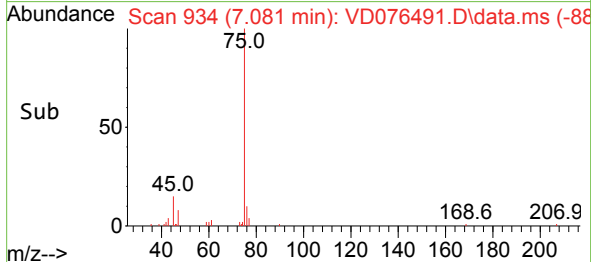
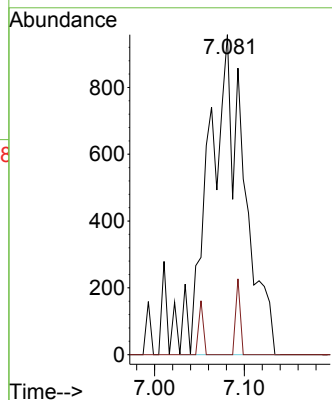
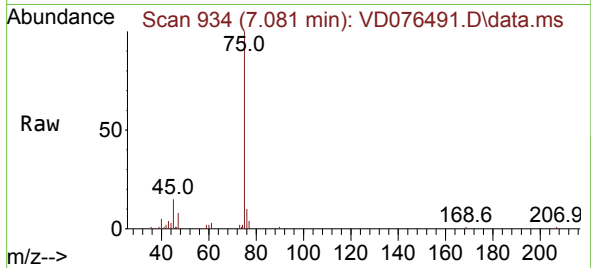




#25
2-Butanone
Concen: 8.575 ug/l
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD076491.D
Acq: 20 Jun 2023 14:46

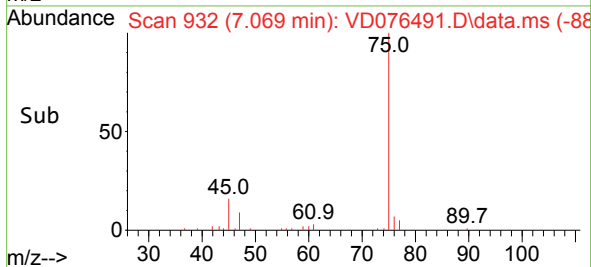
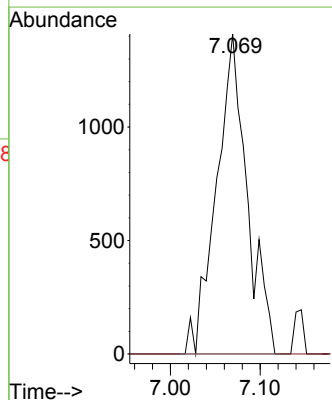
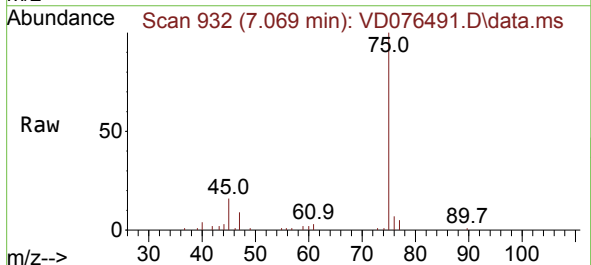
Instrument :
MSVOA_D
ClientSampleId :
SB-03-4.0-6.0

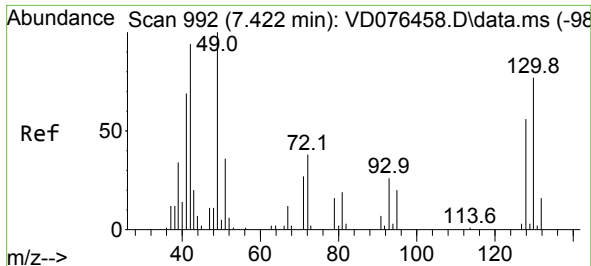
Tgt Ion: 43 Resp: 2610
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#26
2,2-Dichloropropane
Concen: 2.337 ug/l
RT: 7.069 min Scan# 932
Delta R.T. 0.000 min
Lab File: VD076491.D
Acq: 20 Jun 2023 14:46

Tgt Ion: 77 Resp: 3361
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#

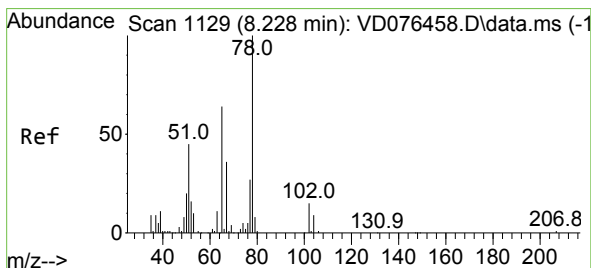
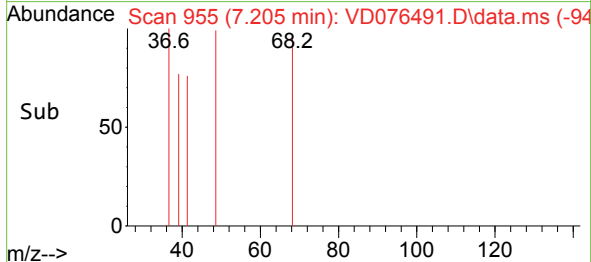
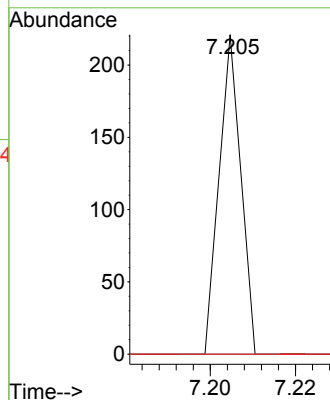
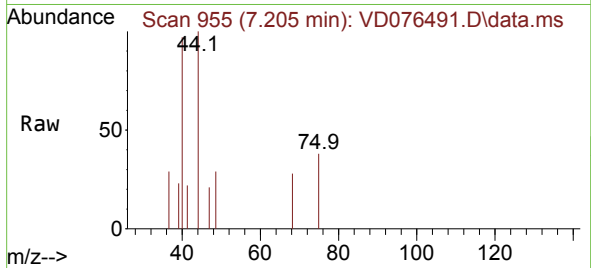




#28
Bromochloromethane
Concen: Below Cal
RT: 7.205 min Scan# 91
Delta R.T. -0.217 min
Lab File: VD076491.D
Acq: 20 Jun 2023 14:46

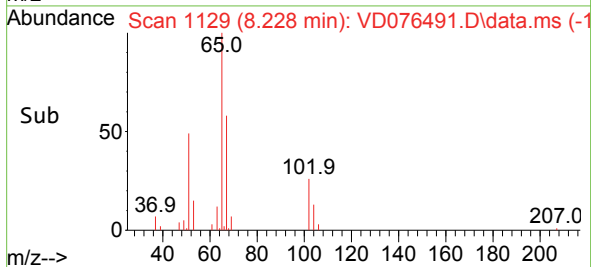
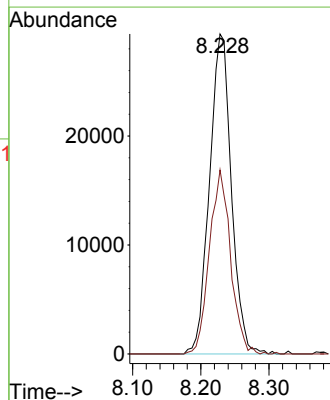
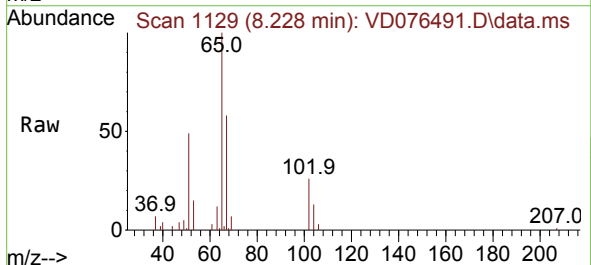
Instrument :
MSVOA_D
ClientSampleId :
SB-03-4.0-6.0

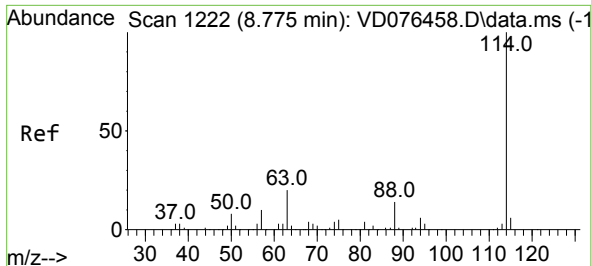
Tgt Ion: 49 Resp: 78
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



#33
1,2-Dichloroethane-d4
Concen: 79.366 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076491.D
Acq: 20 Jun 2023 14:46

Tgt Ion: 65 Resp: 65635
Ion Ratio Lower Upper
65 100
67 55.6 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD076491.D

Acq: 20 Jun 2023 14:46

Instrument :

MSVOA_D

ClientSampleId :

SB-03-4.0-6.0

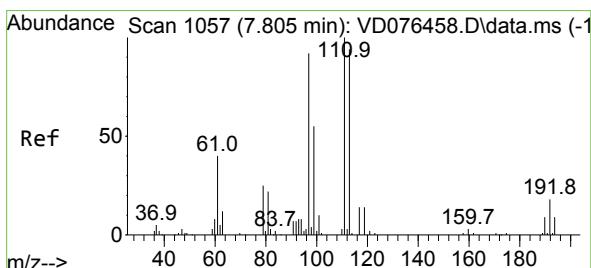
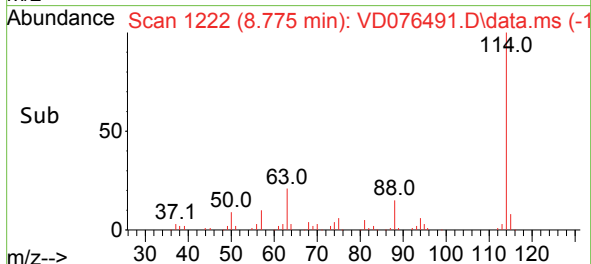
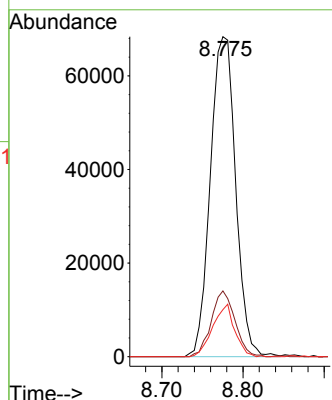
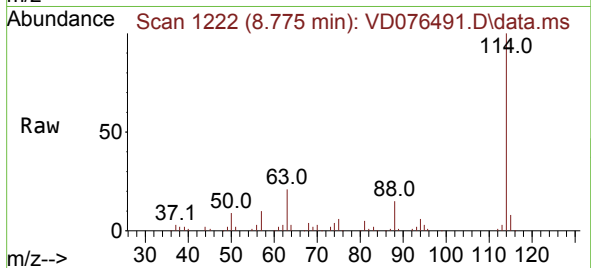
Tgt Ion:114 Resp: 148081

Ion Ratio Lower Upper

114 100

63 20.6 0.0 33.4

88 14.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 63.443 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD076491.D

Acq: 20 Jun 2023 14:46

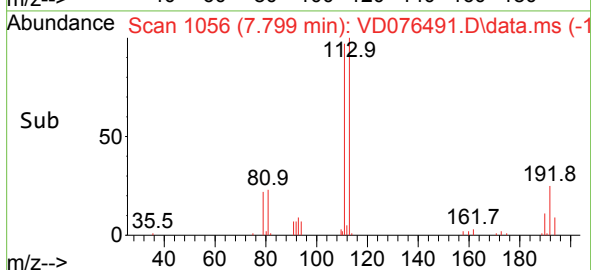
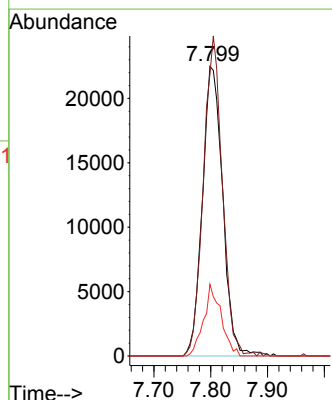
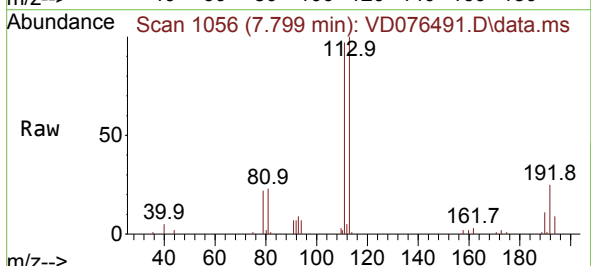
Tgt Ion:113 Resp: 55811

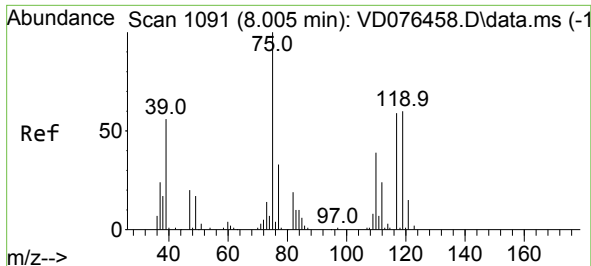
Ion Ratio Lower Upper

113 100

111 102.9 84.7 127.1

192 21.3 16.8 25.2





#36

1,1-Dichloropropene

Concen: 5.642 ug/l

RT: 7.869 min Scan# 1091

Delta R.T. -0.135 min

Lab File: VD076491.D

Acq: 20 Jun 2023 14:46

Instrument :

MSVOA_D

ClientSampleId :

SB-03-4.0-6.0

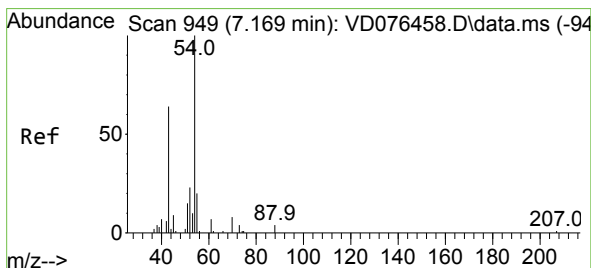
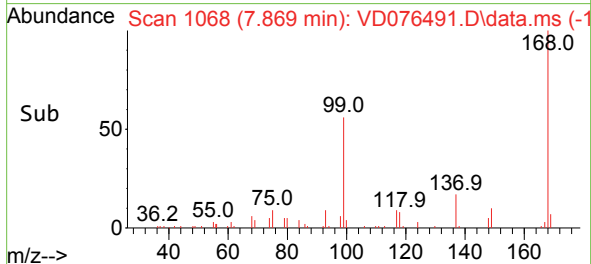
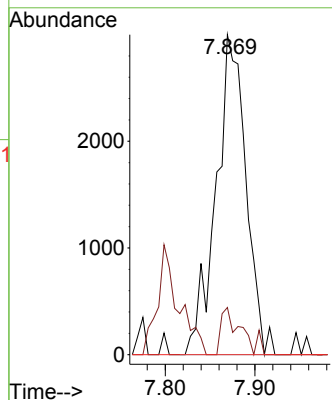
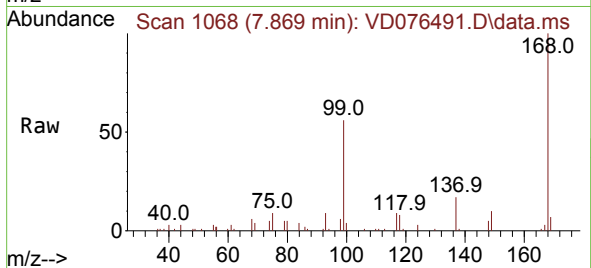
Tgt Ion: 75 Resp: 6950

Ion Ratio Lower Upper

75 100

110 8.8 19.9 59.6#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 3.656 ug/l

RT: 7.081 min Scan# 934

Delta R.T. -0.088 min

Lab File: VD076491.D

Acq: 20 Jun 2023 14:46

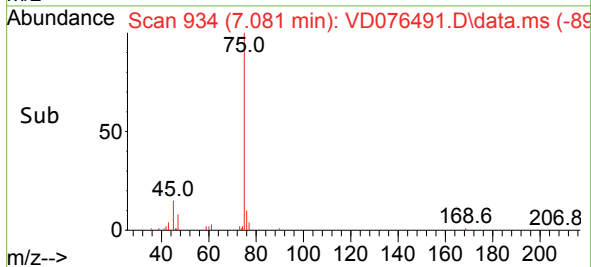
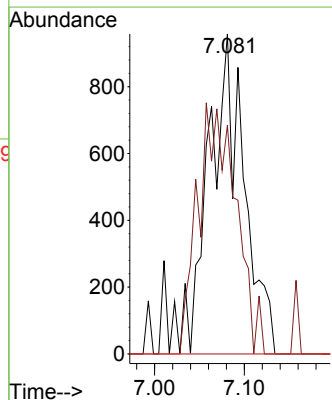
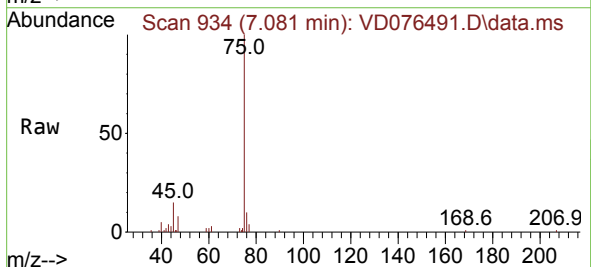
Tgt Ion: 43 Resp: 2610

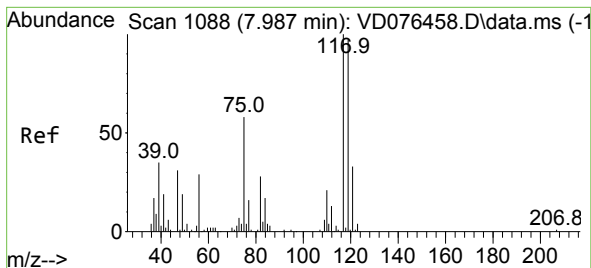
Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

70 0.0 10.0 15.0#





#38

Carbon Tetrachloride

Concen: 6.357 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.118 min

Lab File: VD076491.D

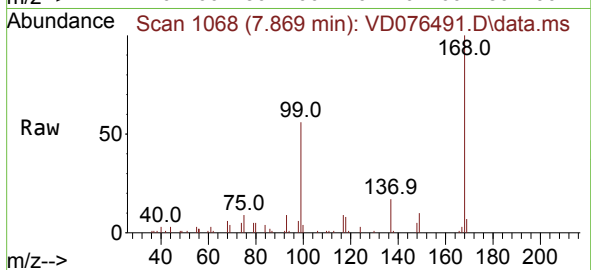
Acq: 20 Jun 2023 14:46

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ClientSampleId :

SB-03-4.0-6.0



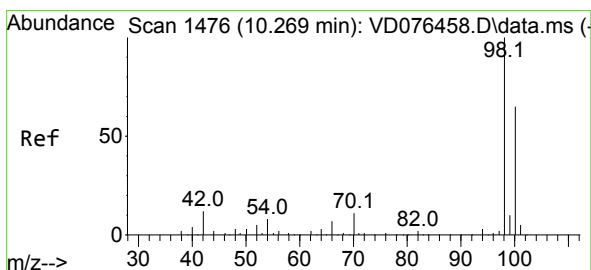
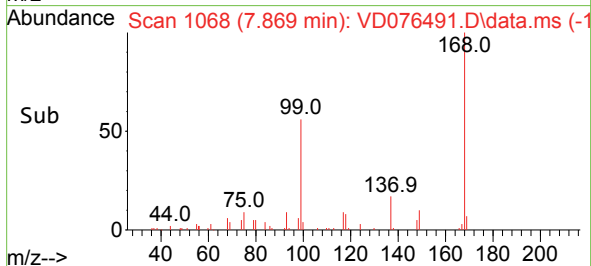
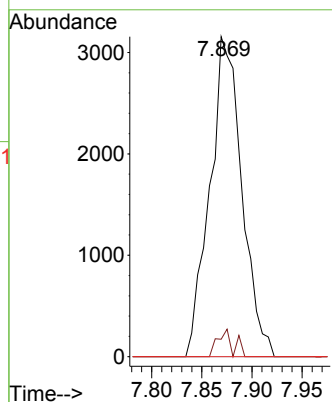
Tgt Ion:117 Resp: 7000

Ion Ratio Lower Upper

117 100

119 5.4 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 54.012 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076491.D

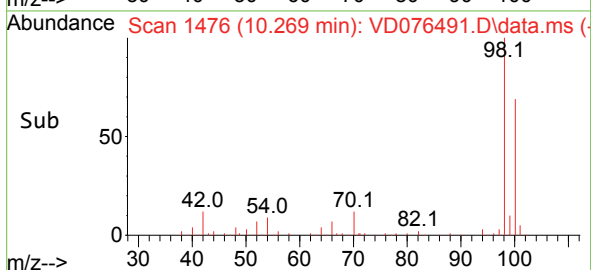
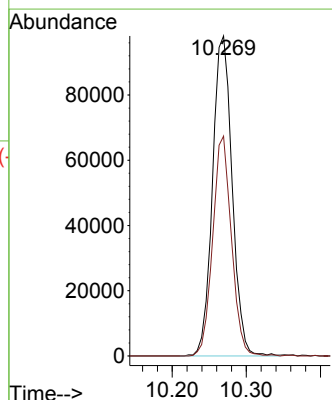
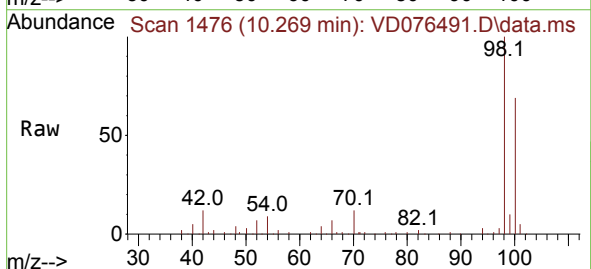
Acq: 20 Jun 2023 14:46

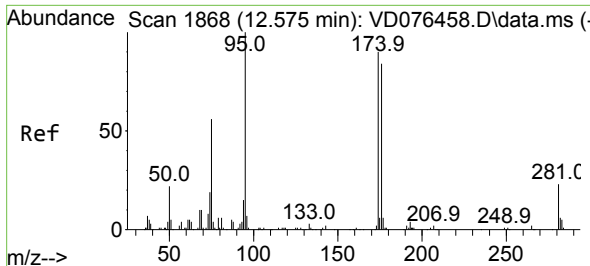
Tgt Ion: 98 Resp: 180196

Ion Ratio Lower Upper

98 100

100 65.6 50.3 75.5

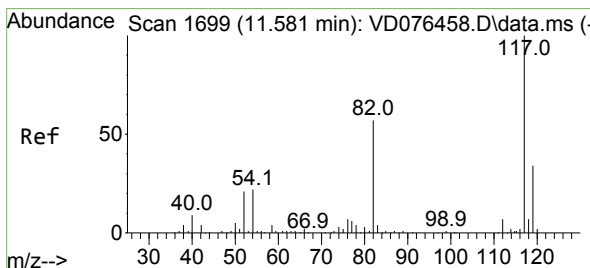
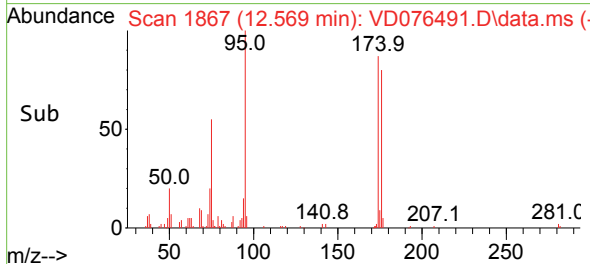
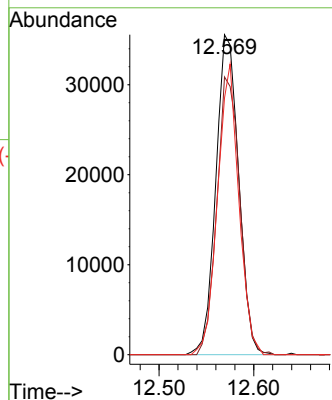
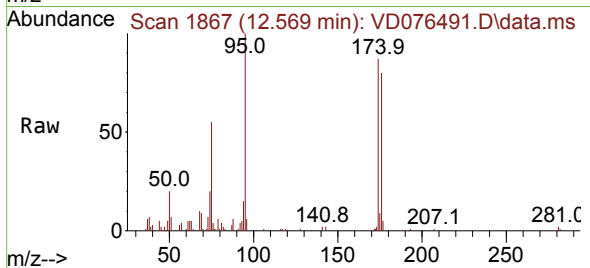




#62
4-Bromofluorobenzene
Concen: 54.930 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076491.D
Acq: 20 Jun 2023 14:46

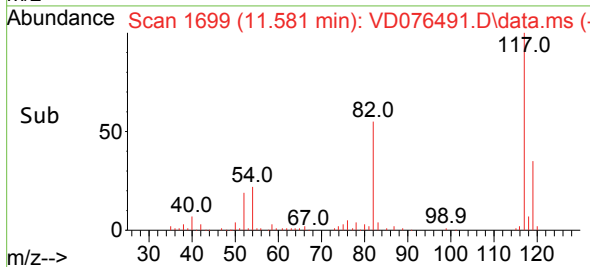
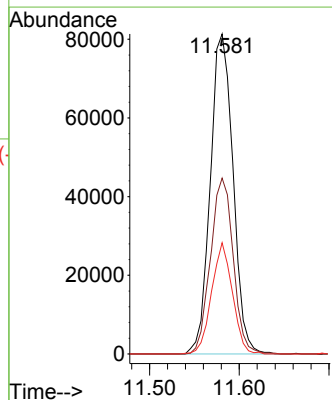
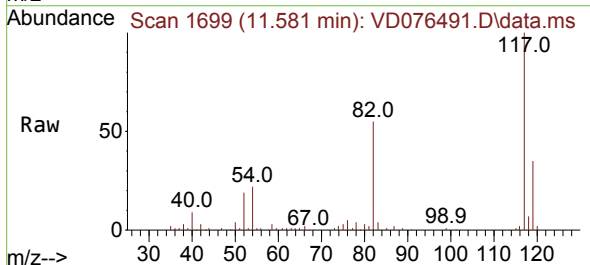
Instrument :
MSVOA_D
ClientSampleId :
SB-03-4.0-6.0

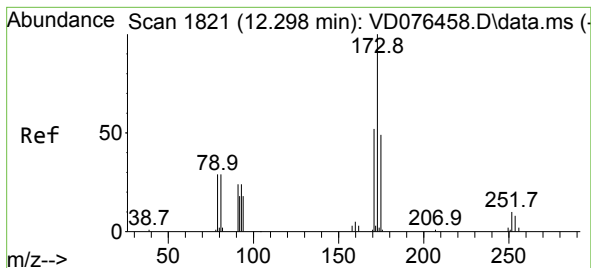
Tgt Ion: 95 Resp: 59475
Ion Ratio Lower Upper
95 100
174 87.7 0.0 201.8
176 84.7 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076491.D
Acq: 20 Jun 2023 14:46

Tgt Ion: 117 Resp: 143000
Ion Ratio Lower Upper
117 100
82 55.0 38.3 57.5
119 34.8 25.0 37.4





#71

Bromoform

Concen: 1.251 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.271 min

Lab File: VD076491.D

Acq: 20 Jun 2023 14:46

Instrument :

MSVOA_D

ClientSampleId :

SB-03-4.0-6.0

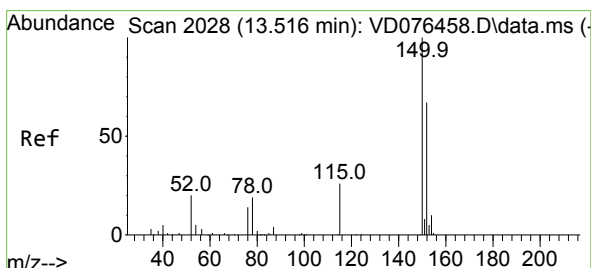
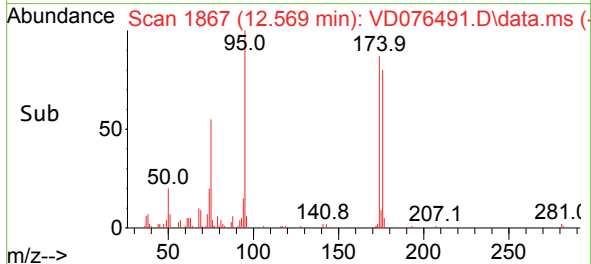
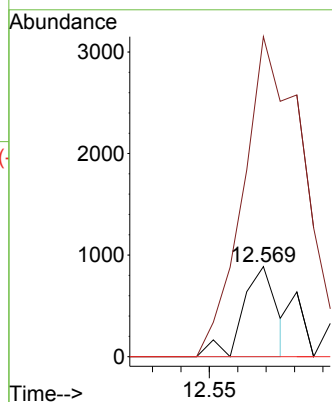
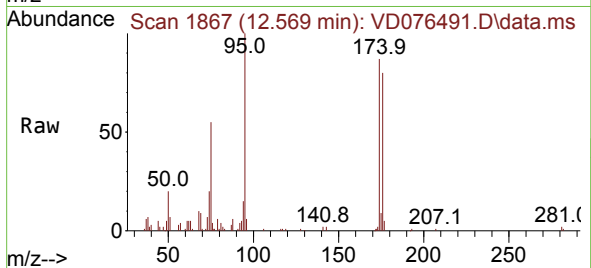
Tgt Ion:173 Resp: 730

Ion Ratio Lower Upper

173 100

175 421.8 24.6 73.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD076491.D

Acq: 20 Jun 2023 14:46

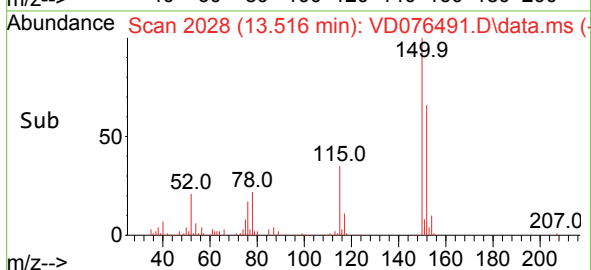
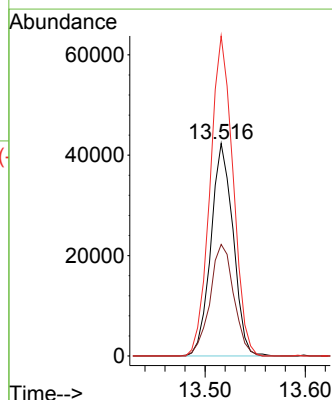
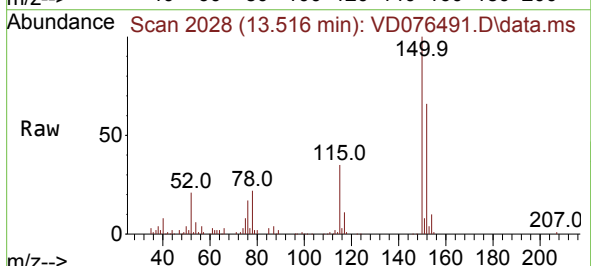
Tgt Ion:152 Resp: 65160

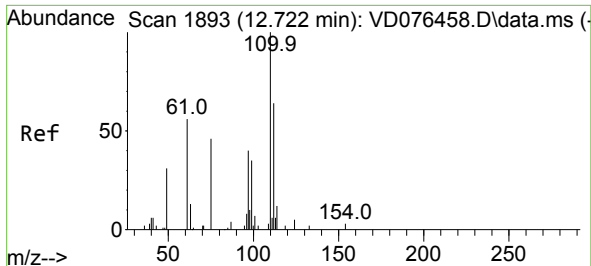
Ion Ratio Lower Upper

152 100

115 56.4 27.1 81.3

150 155.7 0.0 353.6

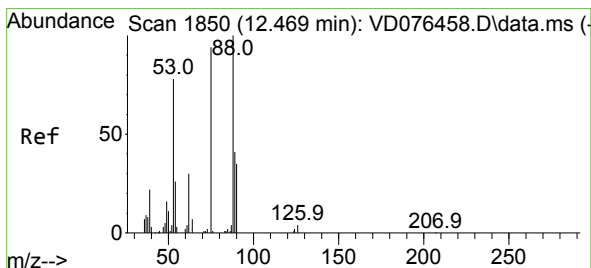
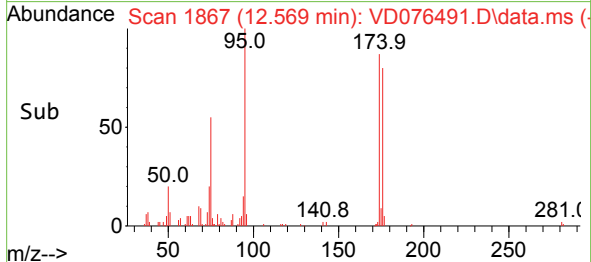
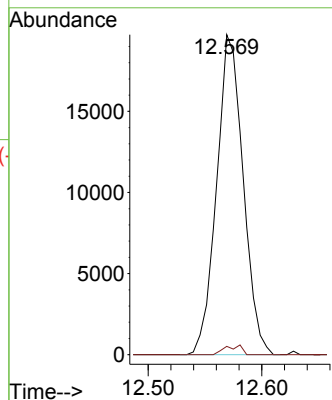
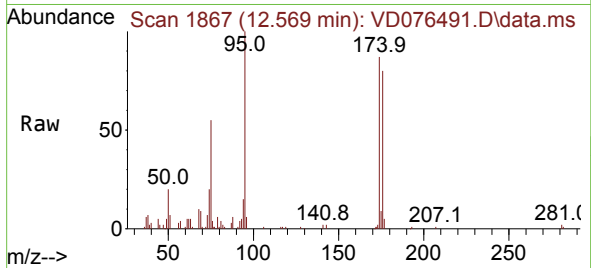




#76
1,2,3-Trichloropropane
Concen: 49.526 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD076491.D
Acq: 20 Jun 2023 14:46

Instrument :
MSVOA_D
ClientSampleId :
SB-03-4.0-6.0

Tgt Ion: 75 Resp: 32028
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.522 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD076491.D
Acq: 20 Jun 2023 14:46

Tgt Ion: 75 Resp: 32028
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

