

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062123\
 Data File : VD076518.D
 Acq On : 21 Jun 2023 17:51
 Operator : KP/SY
 Sample : 03290-03
 Misc : 4.69G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3

Quant Time: Jun 22 02:01:33 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)

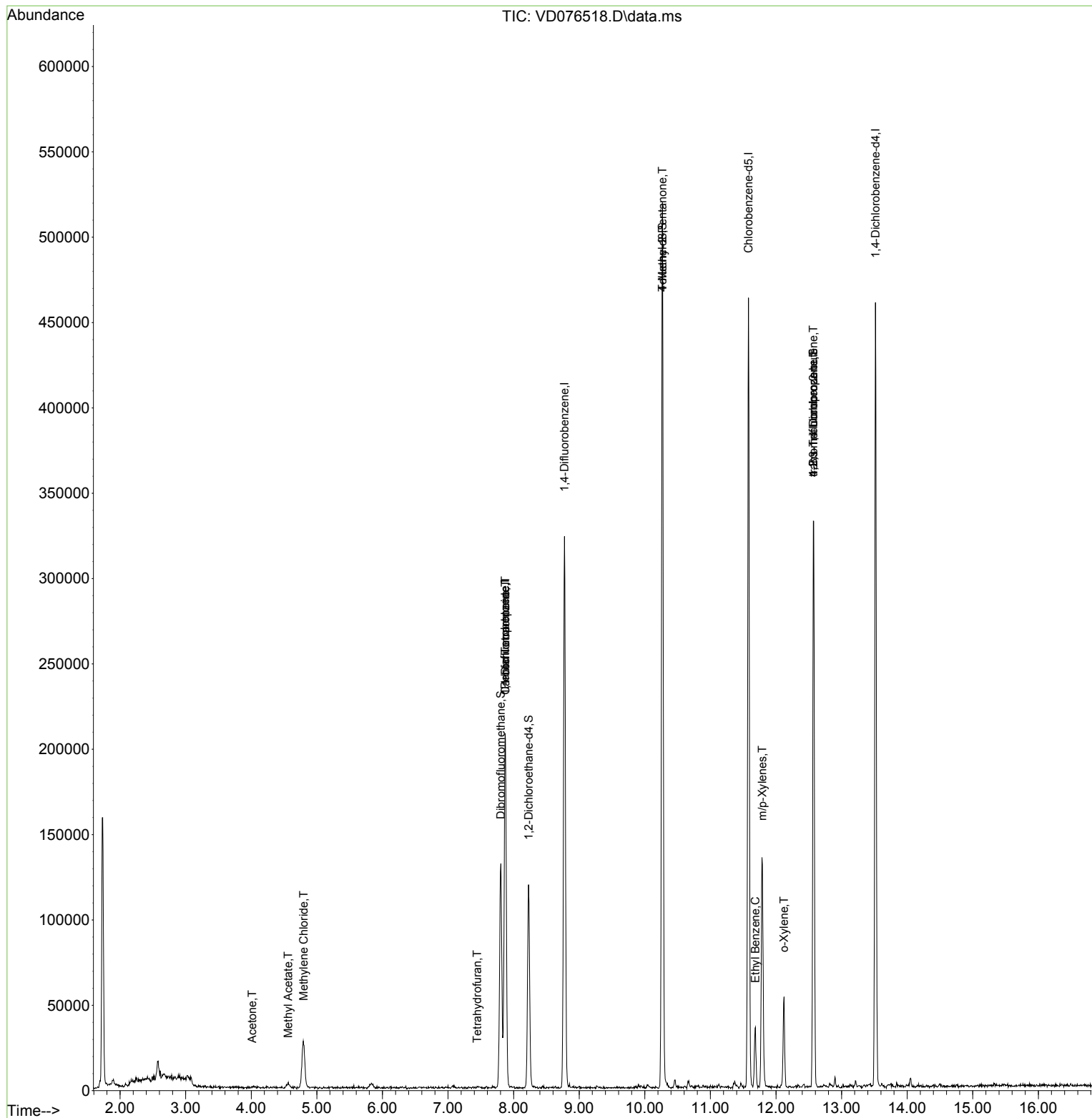
Internal Standards						
1) Pentafluorobenzene	7.869	168	165817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	285640	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	261058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	115831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	87228	52.504	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.000%	
35) Dibromofluoromethane	7.805	113	91834	54.119	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.240%	
50) Toluene-d8	10.269	98	348964	54.226	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.460%	
62) 4-Bromofluorobenzene	12.569	95	102072	48.872	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.740%	
Target Compounds						
					Qvalue	
16) Acetone	4.017	43	706	1.786	ug/l #	32
18) Methyl Acetate	4.564	43	4435	2.434	ug/l #	48
20) Methylene Chloride	4.799	84	19309	1.120	ug/l #	67
28) Bromochloromethane	7.334	49	55	Below Cal	#	1
29) Tetrahydrofuran	7.446	42	625	1.590	ug/l #	45
31) Cyclohexane	7.875	56	3493	Below Cal	#	56
36) 1,1-Dichloropropene	7.875	75	13052	5.493	ug/l #	48
38) Carbon Tetrachloride	7.875	117	17286	8.139	ug/l #	15
51) 4-Methyl-2-Pentanone	10.269	43	2075	1.557	ug/l #	1
67) Ethyl Benzene	11.687	91	25936	2.951	ug/l	91
68) m/p-Xylenes	11.793	106	42844	12.489	ug/l	92
69) o-Xylene	12.122	106	13893	4.254	ug/l	92
76) 1,2,3-Trichloropropane	12.569	75	53449	46.494	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	53449	101.878	ug/l #	17

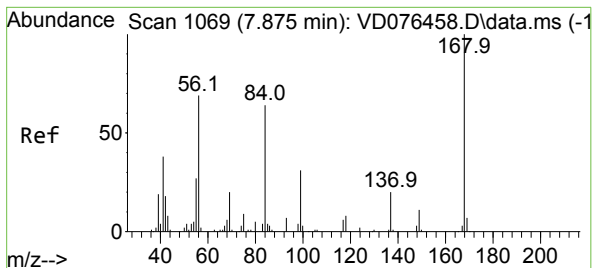
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.869 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD076518.D

Acq: 21 Jun 2023 17:51

Instrument :

MSVOA_D

ClientSampleId :

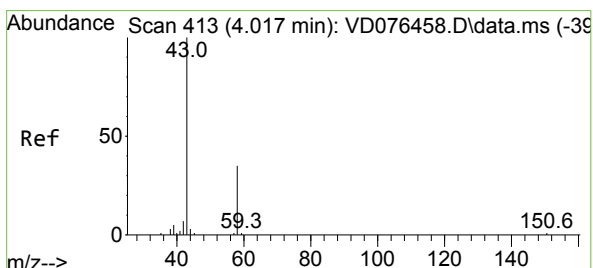
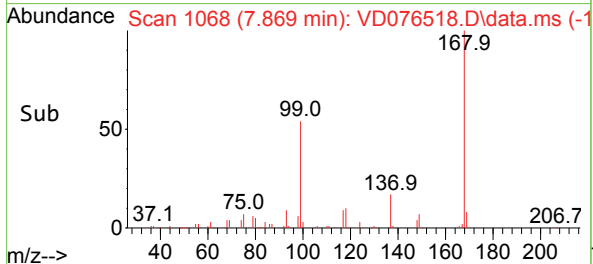
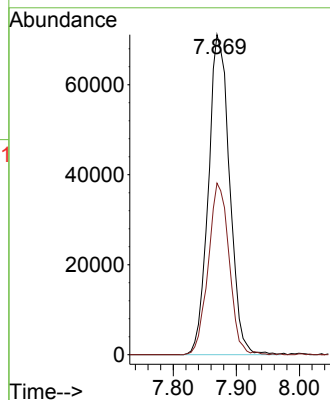
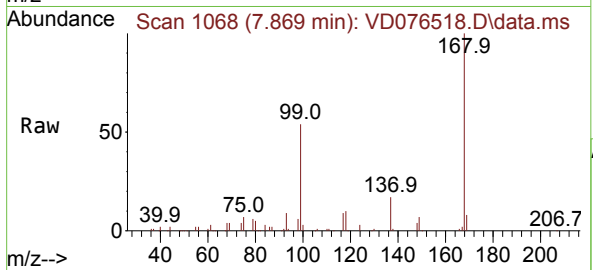
SB-3

Tgt Ion:168 Resp: 165817

Ion Ratio Lower Upper

168 100

99 53.6 36.7 55.1



#16

Acetone

Concen: 1.786 ug/l

RT: 4.017 min Scan# 413

Delta R.T. 0.000 min

Lab File: VD076518.D

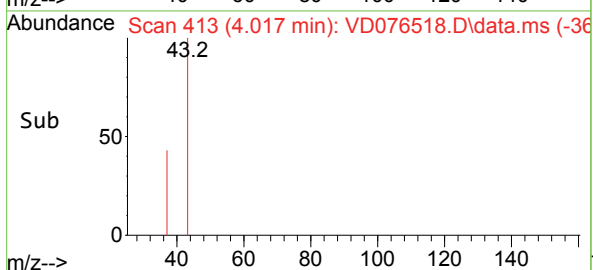
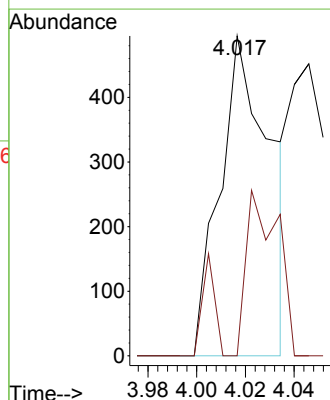
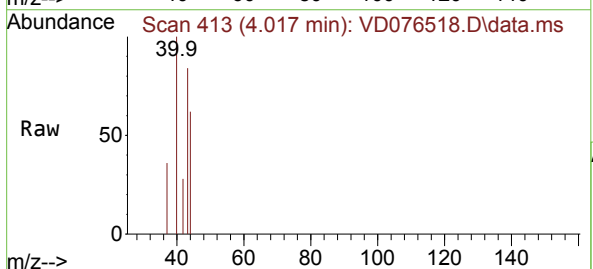
Acq: 21 Jun 2023 17:51

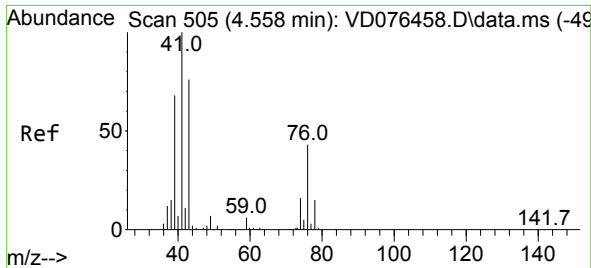
Tgt Ion: 43 Resp: 706

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#

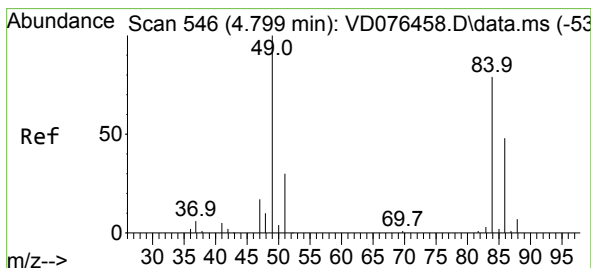
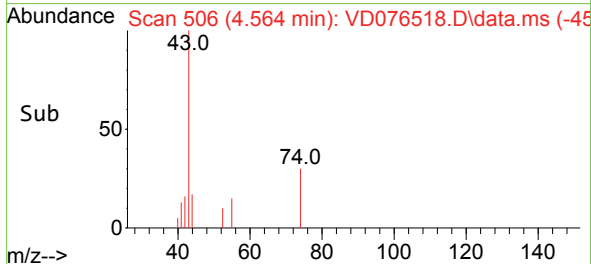
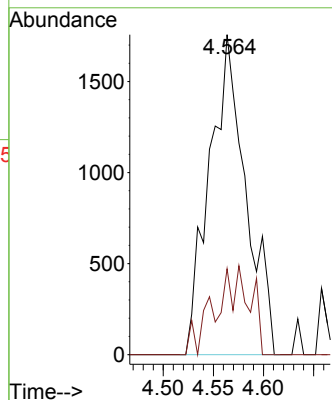
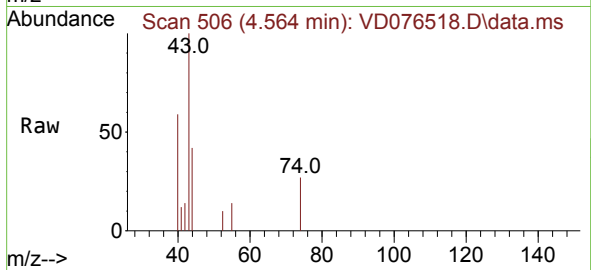




#18
Methyl Acetate
Concen: 2.434 ug/l
RT: 4.564 min Scan# 505
Delta R.T. 0.006 min
Lab File: VD076518.D
Acq: 21 Jun 2023 17:51

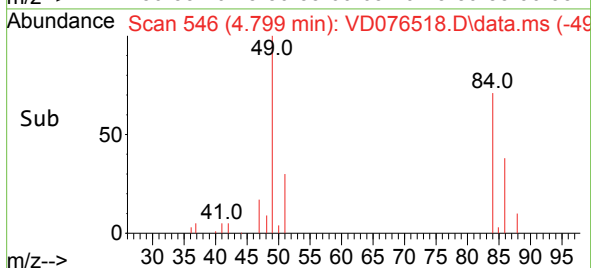
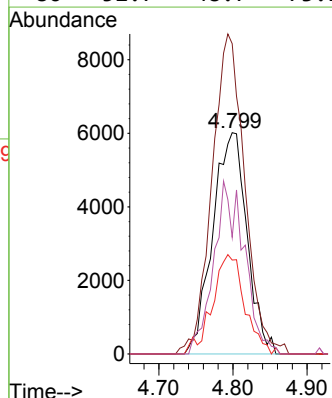
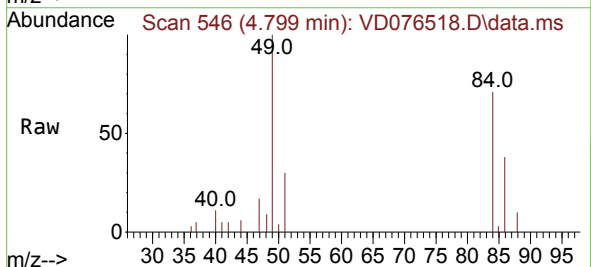
Instrument :
MSVOA_D
ClientSampleId :
SB-3

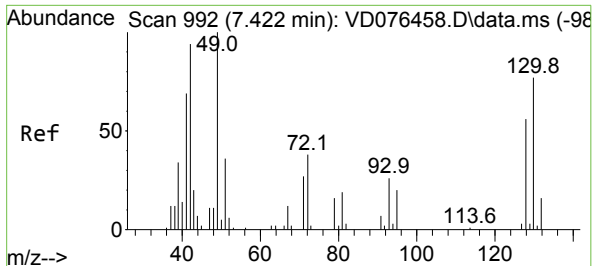
Tgt Ion: 43 Resp: 4435
Ion Ratio Lower Upper
43 100
74 3.4 26.4 39.6#



#20
Methylene Chloride
Concen: 1.120 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD076518.D
Acq: 21 Jun 2023 17:51

Tgt Ion: 84 Resp: 19309
Ion Ratio Lower Upper
84 100
49 137.5 71.4 107.2#
51 42.4 24.5 36.7#
86 52.7 48.7 73.1





#28

Bromochloromethane

Concen: Below Cal

RT: 7.334 min Scan# 91

Delta R.T. -0.088 min

Lab File: VD076518.D

Acq: 21 Jun 2023 17:51

Instrument :

MSVOA_D

ClientSampleId :

SB-3

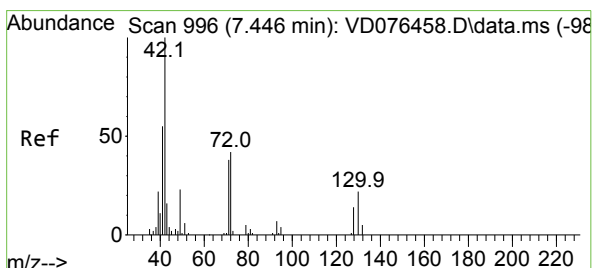
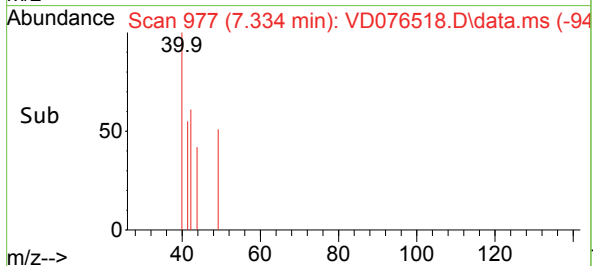
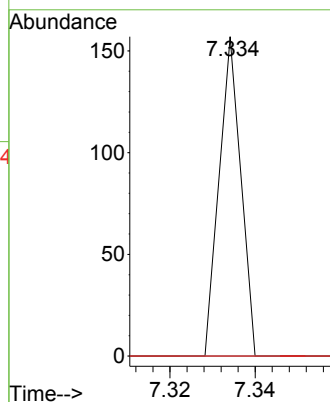
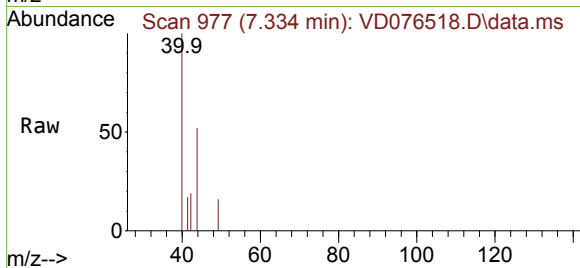
Tgt Ion: 49 Resp: 55

Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

130 0.0 83.2 124.8#



#29

Tetrahydrofuran

Concen: 1.590 ug/l

RT: 7.446 min Scan# 996

Delta R.T. -0.000 min

Lab File: VD076518.D

Acq: 21 Jun 2023 17:51

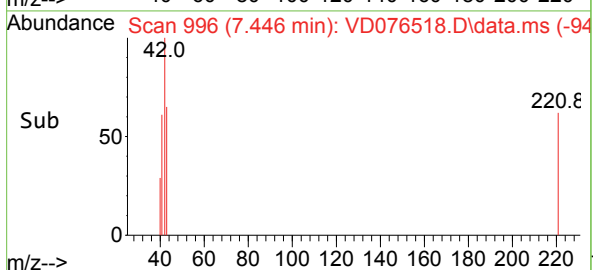
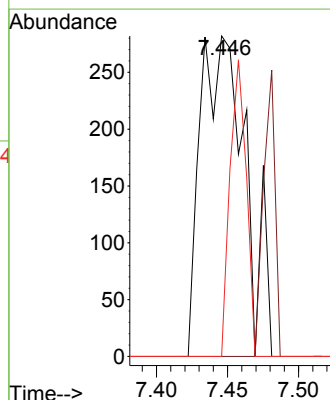
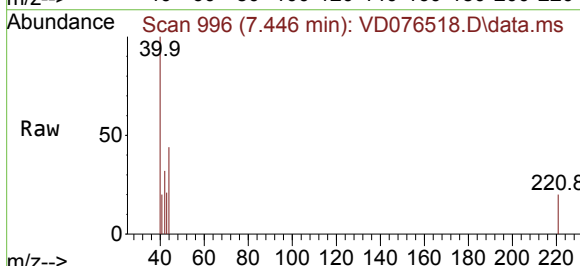
Tgt Ion: 42 Resp: 625

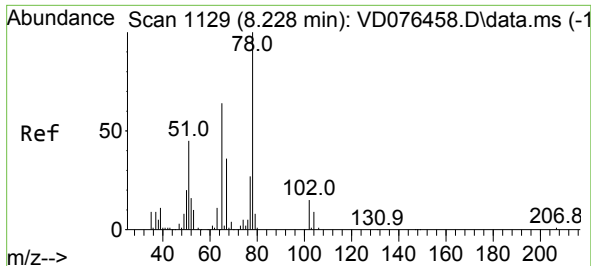
Ion Ratio Lower Upper

42 100

72 0.0 46.5 69.7#

71 33.0 44.5 66.7#





#33

1,2-Dichloroethane-d4

Concen: 52.504 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076518.D

Acq: 21 Jun 2023 17:51

Instrument :

MSVOA_D

ClientSampleId :

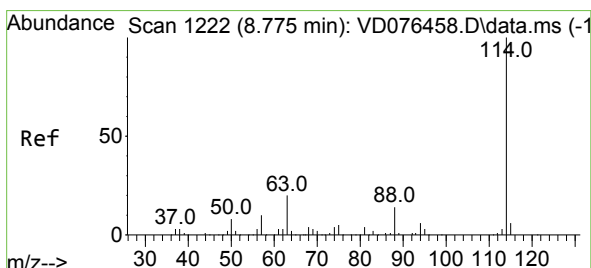
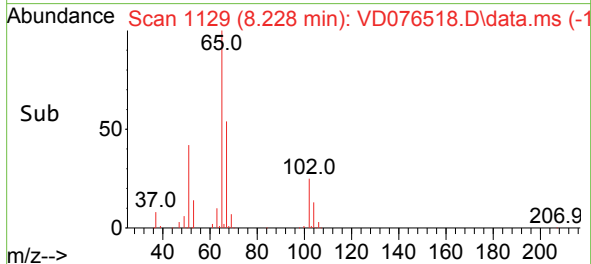
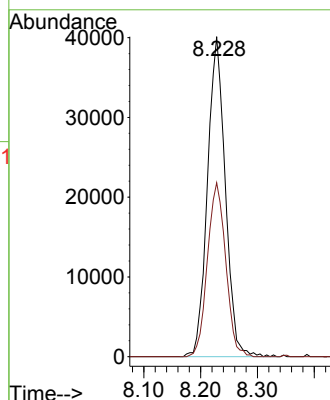
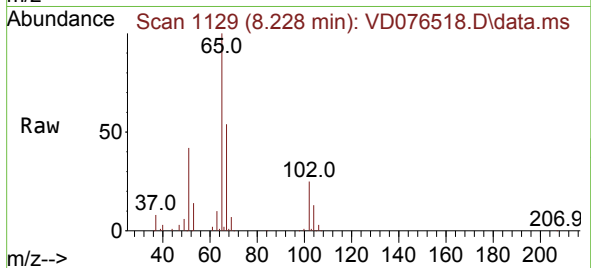
SB-3

Tgt Ion: 65 Resp: 87228

Ion Ratio Lower Upper

65 100

67 55.7 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD076518.D

Acq: 21 Jun 2023 17:51

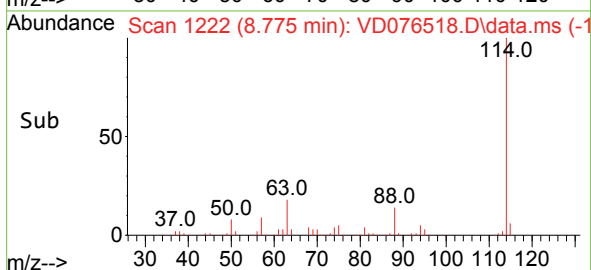
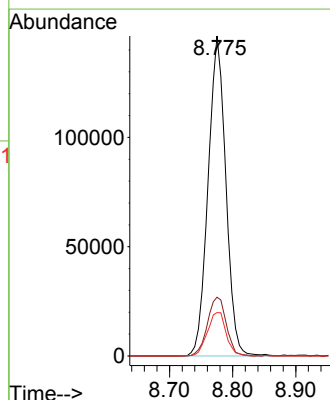
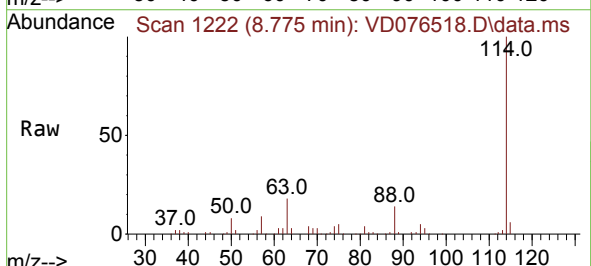
Tgt Ion: 114 Resp: 285640

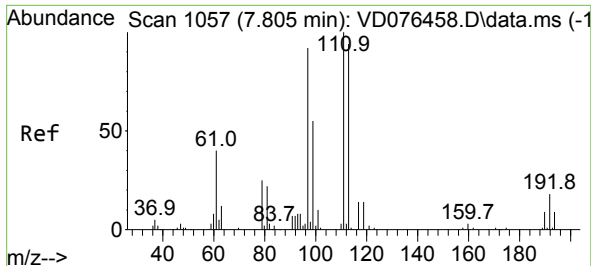
Ion Ratio Lower Upper

114 100

63 18.4 0.0 33.4

88 13.6 0.0 26.2

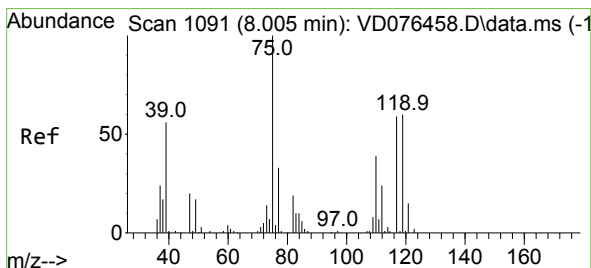
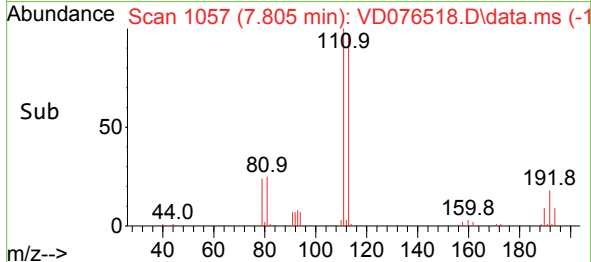
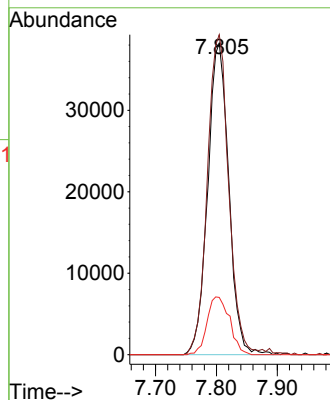
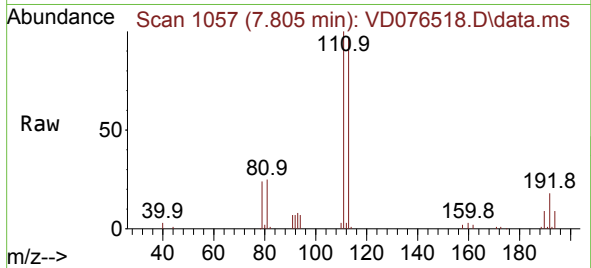




#35
Dibromofluoromethane
Concen: 54.119 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD076518.D
Acq: 21 Jun 2023 17:51

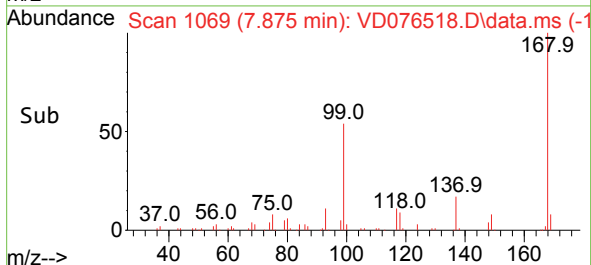
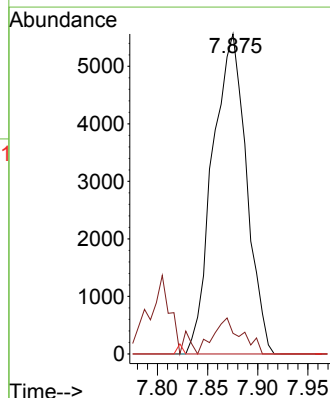
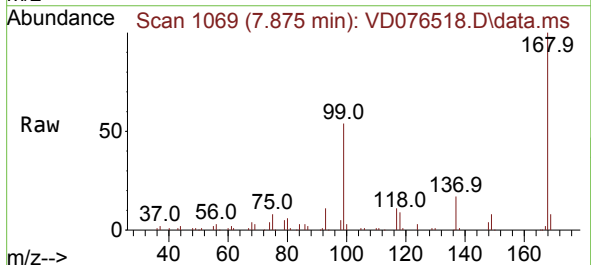
Instrument :
MSVOA_D
ClientSampleId :
SB-3

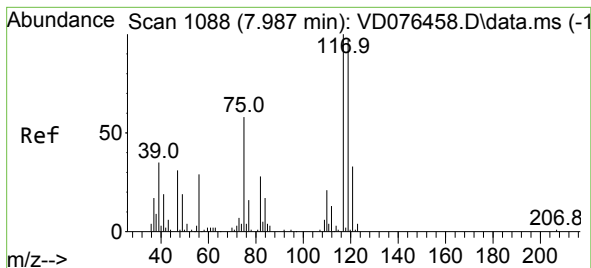
Tgt Ion:113 Resp: 91834
Ion Ratio Lower Upper
113 100
111 103.9 84.7 127.1
192 19.8 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.493 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD076518.D
Acq: 21 Jun 2023 17:51

Tgt Ion: 75 Resp: 13052
Ion Ratio Lower Upper
75 100
110 9.3 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 8.139 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD076518.D

Acq: 21 Jun 2023 17:51

Instrument :

MSVOA_D

ClientSampleId :

SB-3

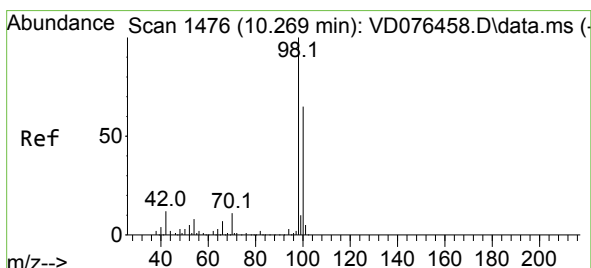
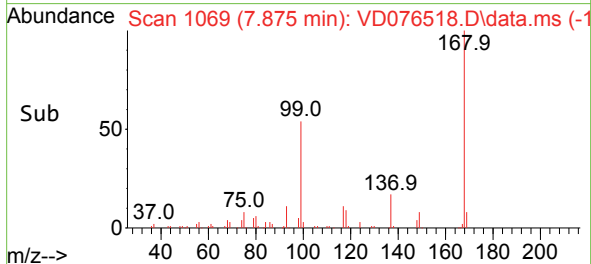
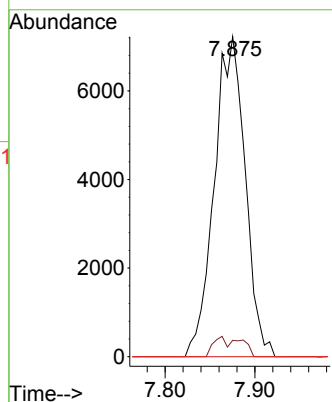
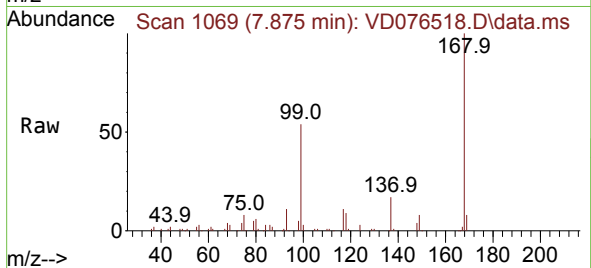
Tgt Ion:117 Resp: 17286

Ion Ratio Lower Upper

117 100

119 5.1 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 54.226 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076518.D

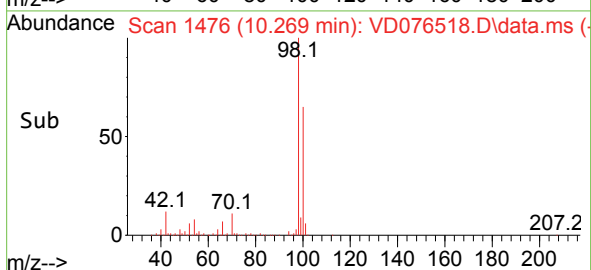
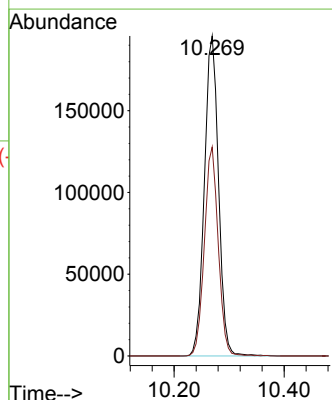
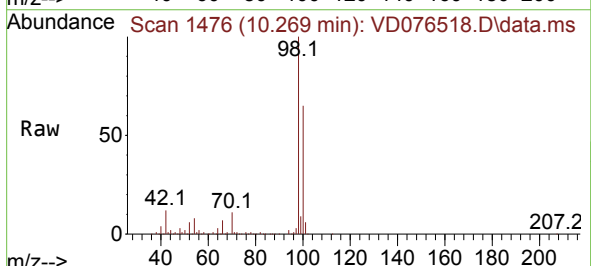
Acq: 21 Jun 2023 17:51

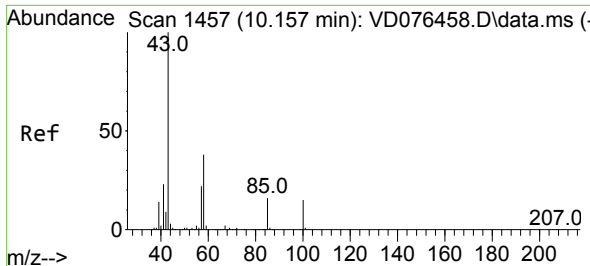
Tgt Ion: 98 Resp: 348964

Ion Ratio Lower Upper

98 100

100 64.1 50.3 75.5

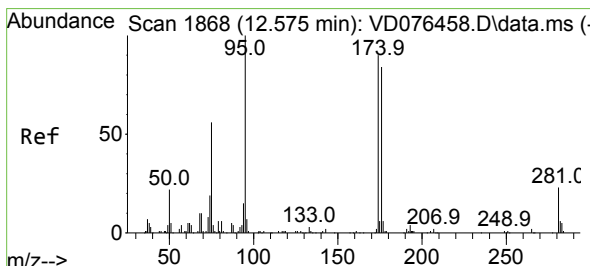
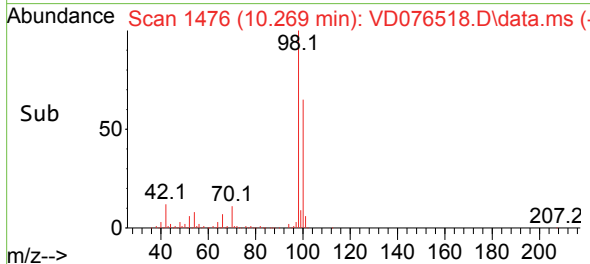
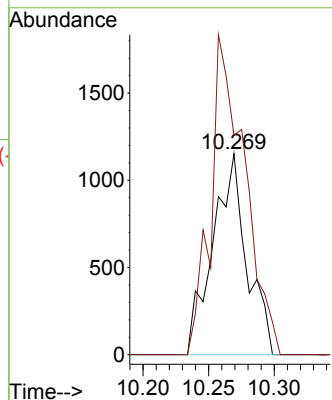
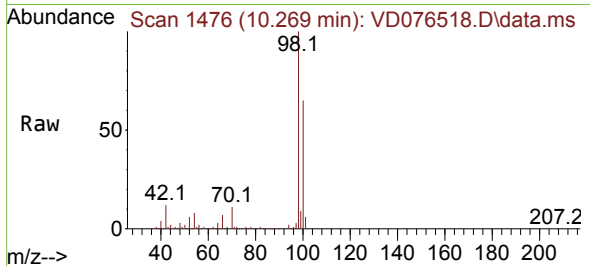




#51
4-Methyl-2-Pentanone
Concen: 1.557 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD076518.D
Acq: 21 Jun 2023 17:51

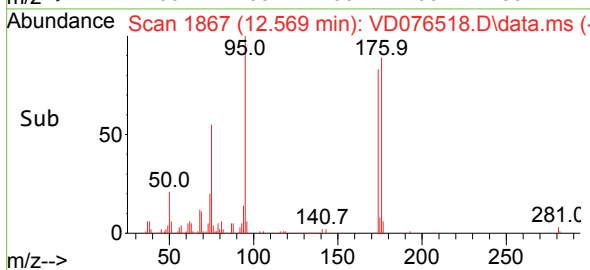
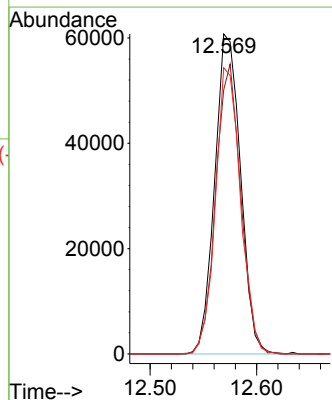
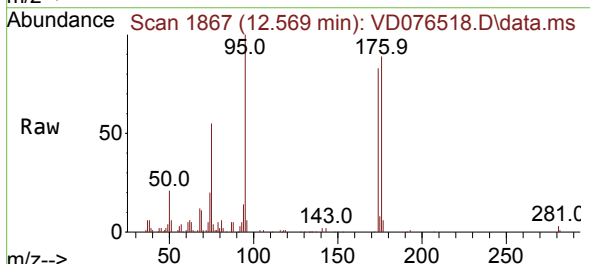
Instrument :
MSVOA_D
ClientSampleId :
SB-3

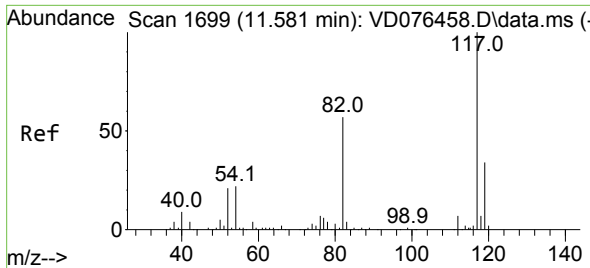
Tgt Ion: 43 Resp: 2075
Ion Ratio Lower Upper
43 100
58 158.7 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 48.872 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076518.D
Acq: 21 Jun 2023 17:51

Tgt Ion: 95 Resp: 102072
Ion Ratio Lower Upper
95 100
174 88.0 0.0 201.8
176 87.2 0.0 191.8

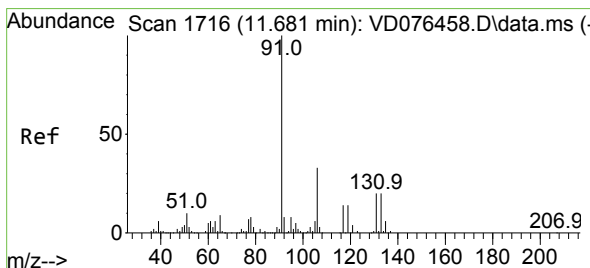
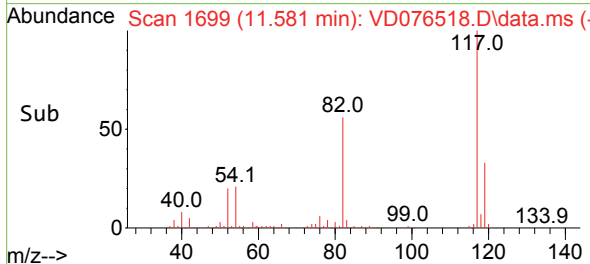
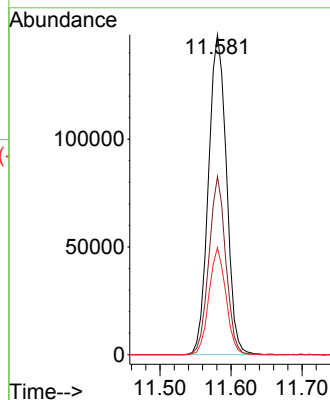
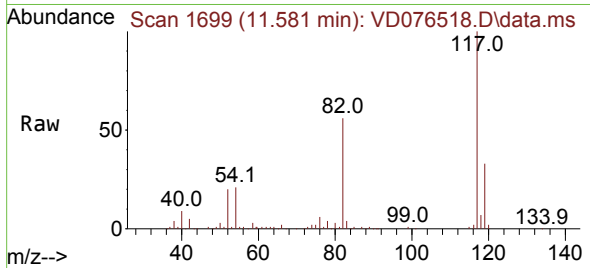




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD076518.D
Acq: 21 Jun 2023 17:51

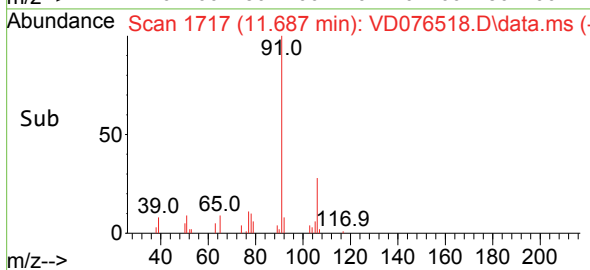
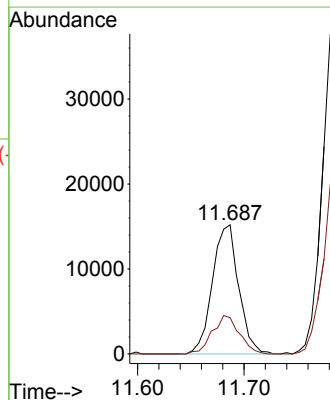
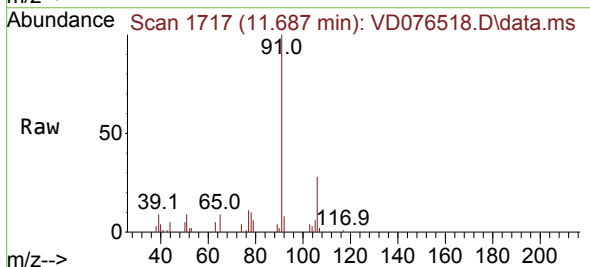
Instrument :
MSVOA_D
ClientSampleId :
SB-3

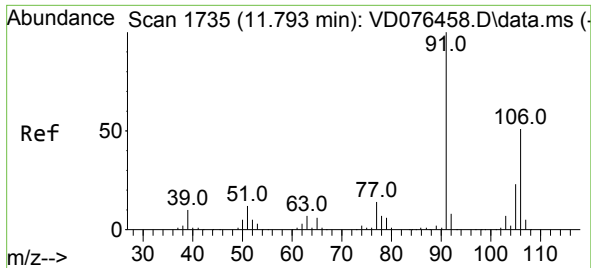
Tgt Ion:117 Resp: 261058
Ion Ratio Lower Upper
117 100
82 55.7 38.3 57.5
119 33.4 25.0 37.4



#67
Ethyl Benzene
Concen: 2.951 ug/l
RT: 11.687 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VD076518.D
Acq: 21 Jun 2023 17:51

Tgt Ion: 91 Resp: 25936
Ion Ratio Lower Upper
91 100
106 28.1 26.5 39.7

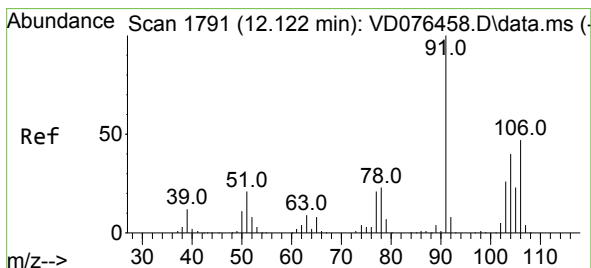
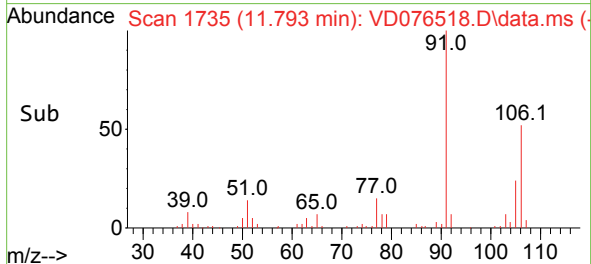
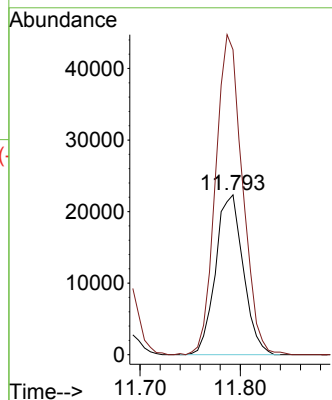
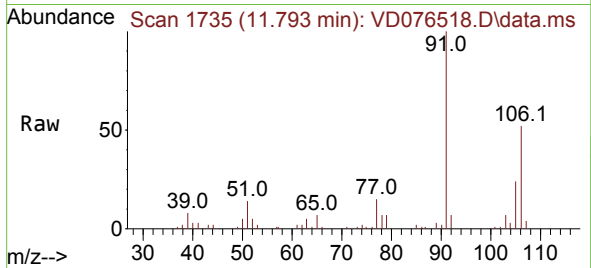




#68
m/p-Xylenes
Concen: 12.489 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD076518.D
Acq: 21 Jun 2023 17:51

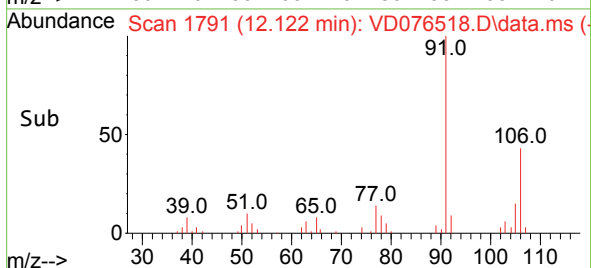
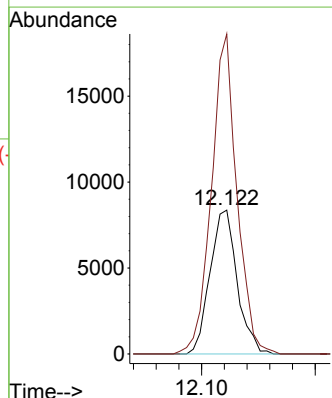
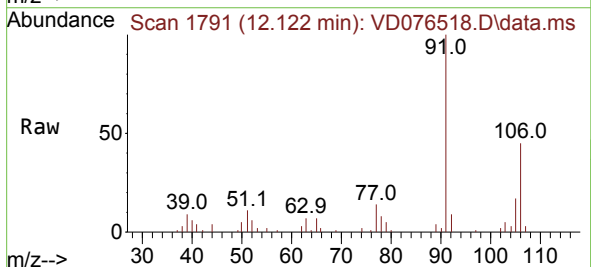
Instrument :
MSVOA_D
ClientSampleId :
SB-3

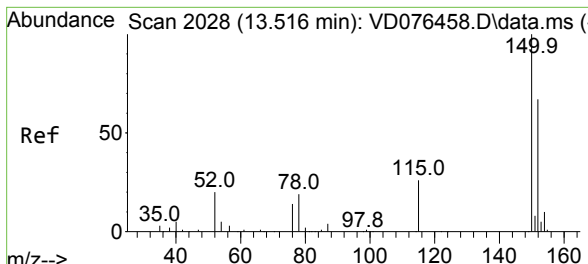
Tgt Ion:106 Resp: 42844
Ion Ratio Lower Upper
106 100
91 194.7 147.0 220.6



#69
o-Xylene
Concen: 4.254 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD076518.D
Acq: 21 Jun 2023 17:51

Tgt Ion:106 Resp: 13893
Ion Ratio Lower Upper
106 100
91 208.3 97.9 293.6

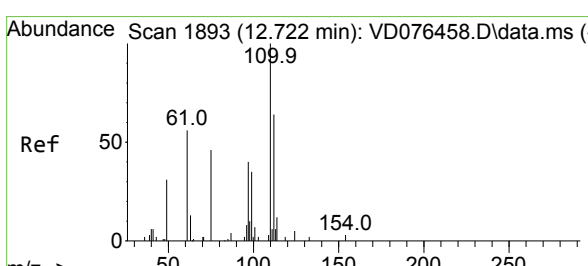
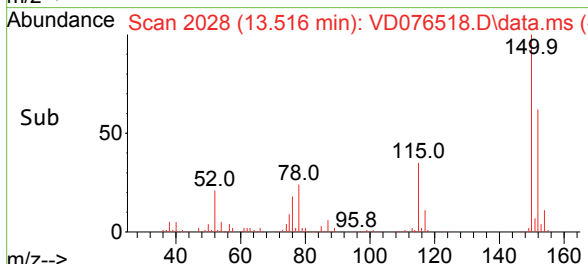
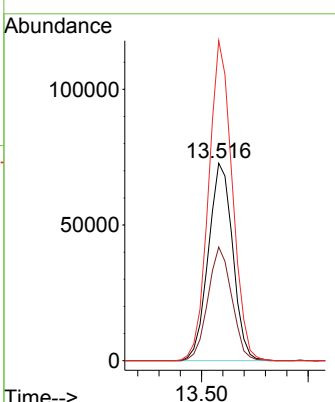
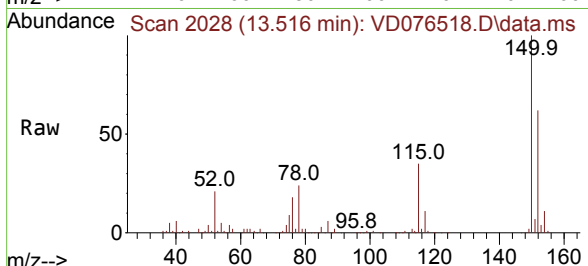




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD076518.D
 Acq: 21 Jun 2023 17:51

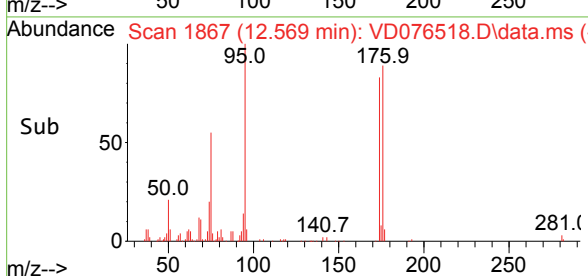
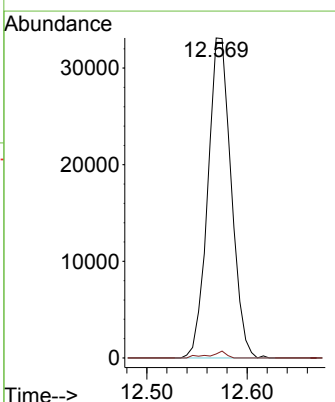
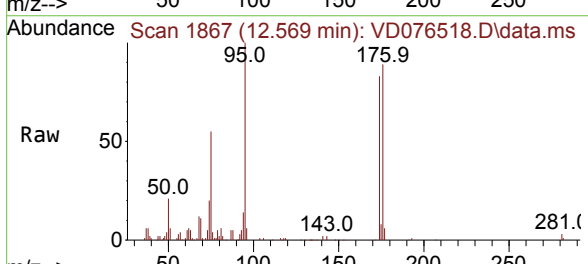
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3

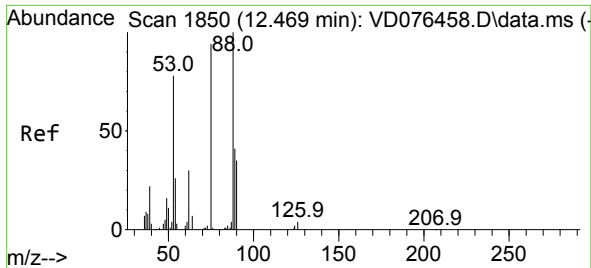
Tgt Ion:	152	Resp:	115831
Ion Ratio	Lower	Upper	
152	100		
115	56.3	27.1	81.3
150	157.3	0.0	353.6



#76
 1,2,3-Trichloropropane
 Concen: 46.494 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.153 min
 Lab File: VD076518.D
 Acq: 21 Jun 2023 17:51

Tgt Ion:	75	Resp:	53449
Ion Ratio	Lower	Upper	
75	100		
77	1.5	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.878 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD076518.D
 Acq: 21 Jun 2023 17:51

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3

Tgt Ion: 75 Resp: 53449
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.0 37.9 56.9#

