

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062123\
 Data File : VD076519.D
 Acq On : 21 Jun 2023 18:21
 Operator : KP/SY
 Sample : 03355-01
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-01-6.5-7.0

Quant Time: Jun 22 02:01:58 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)

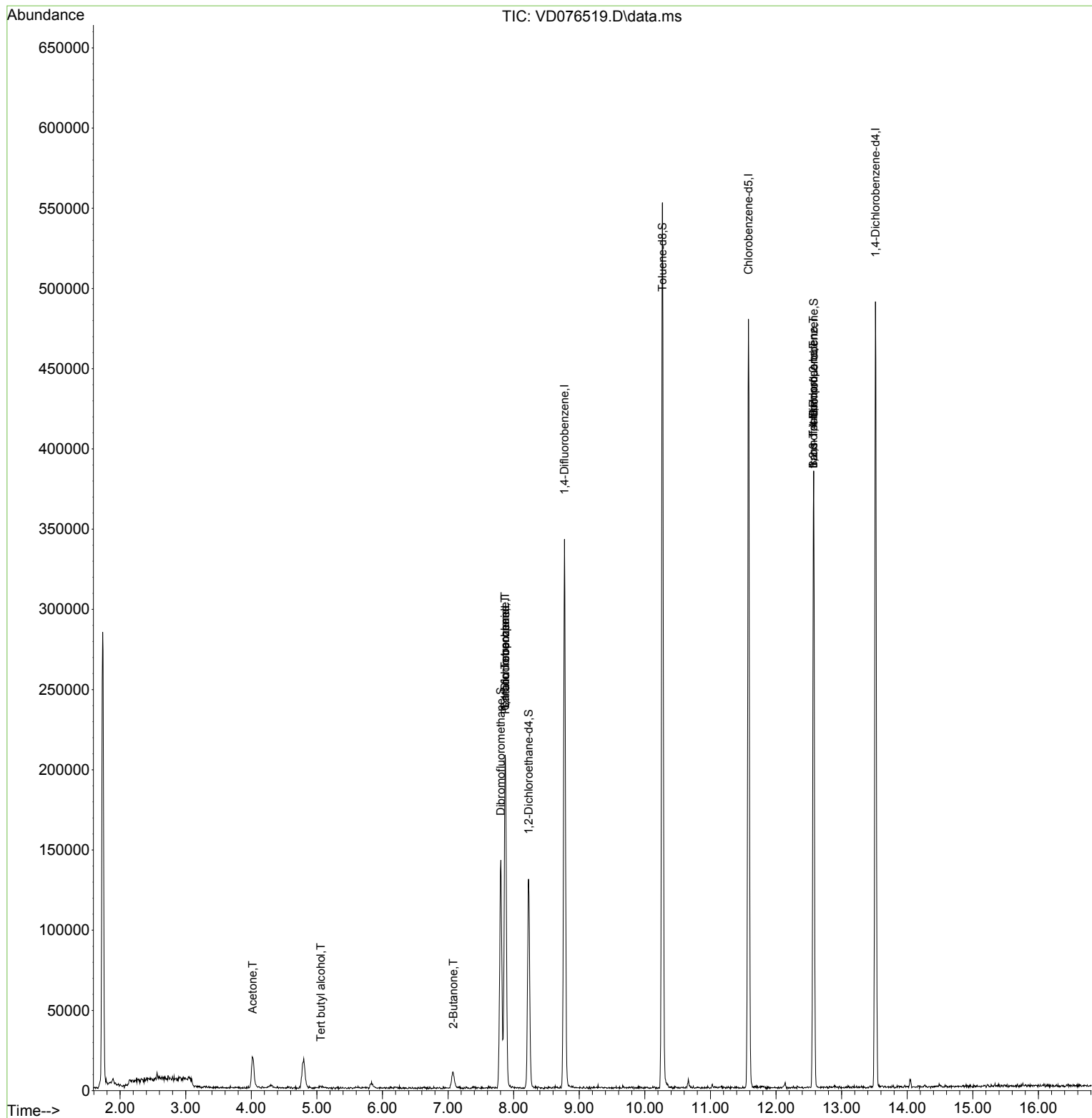
Internal Standards						
1) Pentafluorobenzene	7.875	168	168570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	292661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	272638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	129242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	96758	57.290	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.580%	
35) Dibromofluoromethane	7.804	113	98334	56.559	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.120%	
50) Toluene-d8	10.269	98	371094	56.281	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.560%	
62) 4-Bromofluorobenzene	12.574	95	114446	53.482	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.960%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.057	59	1753	12.021	ug/l #	85
16) Acetone	4.022	43	33624	83.663	ug/l #	82
20) Methylene Chloride	4.798	84	12513	Below Cal	#	63
25) 2-Butanone	7.081	43	3539	5.693	ug/l	97
28) Bromochloromethane	7.475	49	57	Below Cal	#	1
36) 1,1-Dichloropropene	7.869	75	13690	5.623	ug/l #	47
38) Carbon Tetrachloride	7.869	117	15818	7.269	ug/l #	14
71) Bromoform	12.569	173	1766	1.588	ug/l #	28
76) 1,2,3-Trichloropropane	12.569	75	60185	46.921	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	60185	102.814	ug/l #	17

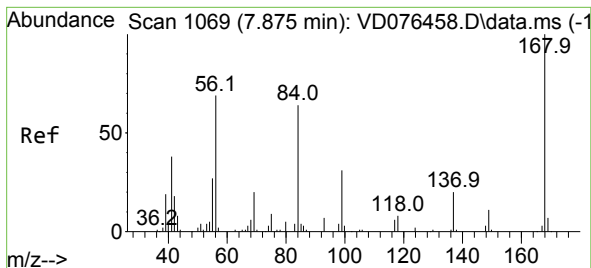
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-01-6.5-7.0

Quant Time: Jun 22 02:01:58 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD076519.D

Acq: 21 Jun 2023 18:21

Instrument :

MSVOA_D

ClientSampleId :

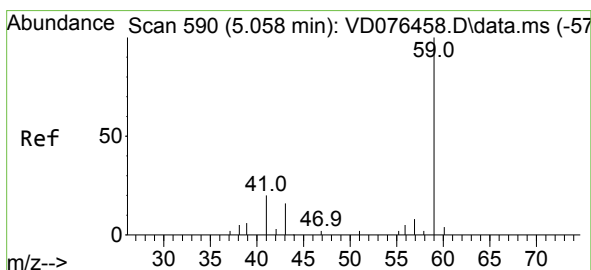
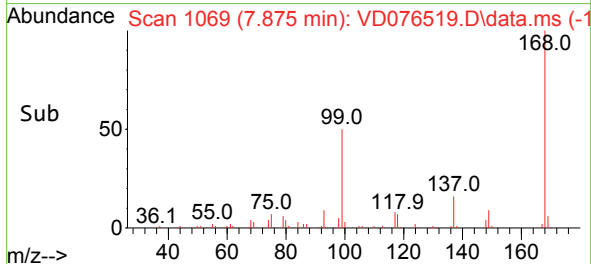
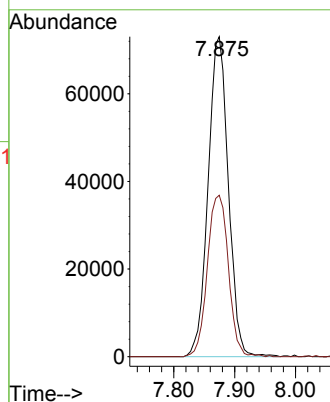
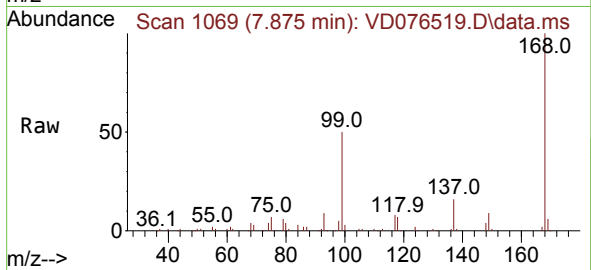
SB-01-6.5-7.0

Tgt Ion:168 Resp: 168570

Ion Ratio Lower Upper

168 100

99 50.5 36.7 55.1



#11

Tert butyl alcohol

Concen: 12.021 ug/l

RT: 5.057 min Scan# 590

Delta R.T. -0.000 min

Lab File: VD076519.D

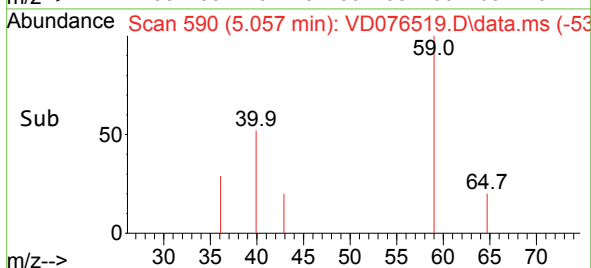
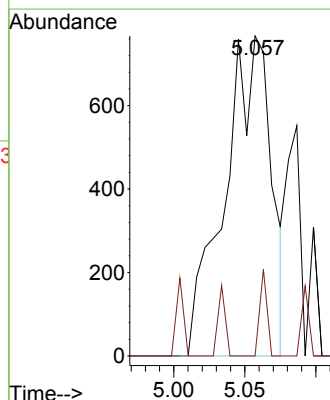
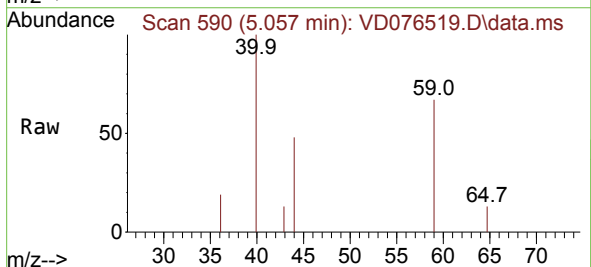
Acq: 21 Jun 2023 18:21

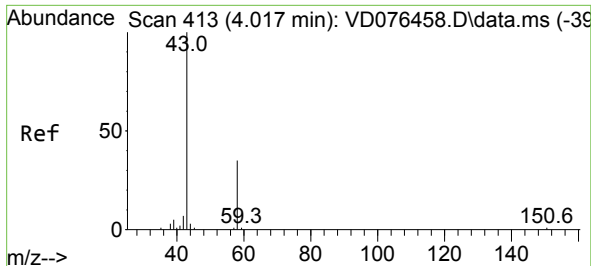
Tgt Ion: 59 Resp: 1753

Ion Ratio Lower Upper

59 100

57 4.2 7.8 11.8#

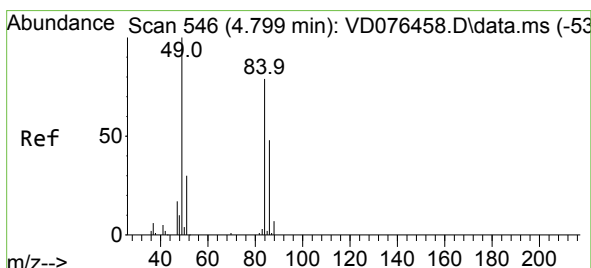
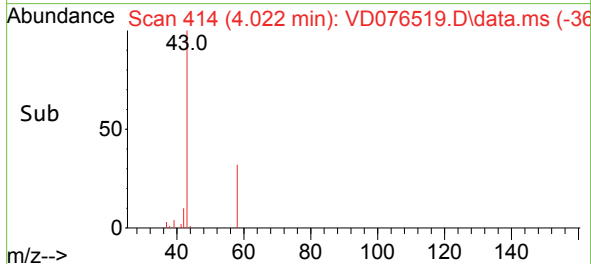
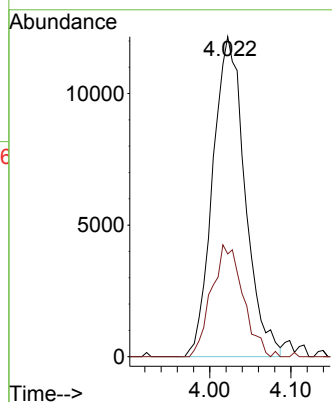
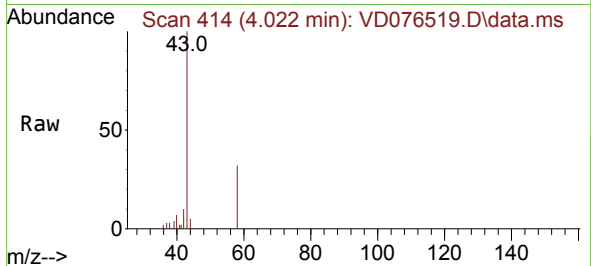




#16
Acetone
Concen: 83.663 ug/l
RT: 4.022 min Scan# 413
Delta R.T. 0.005 min
Lab File: VD076519.D
Acq: 21 Jun 2023 18:21

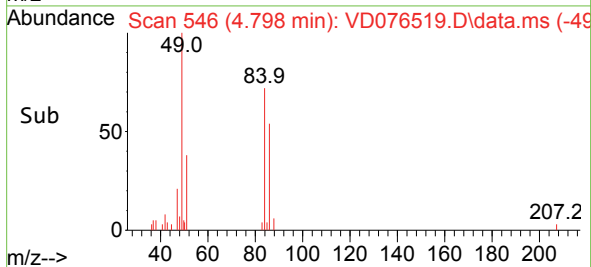
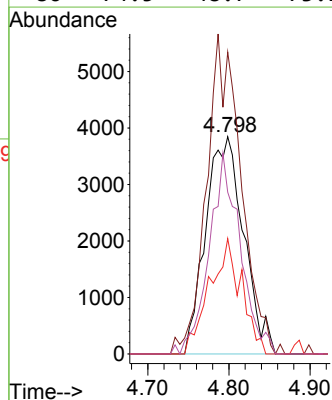
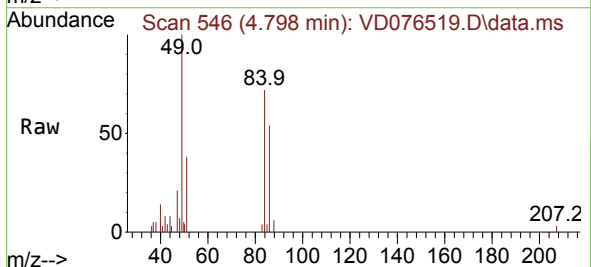
Instrument :
MSVOA_D
ClientSampleId :
SB-01-6.5-7.0

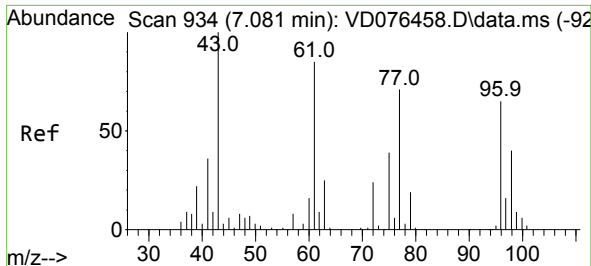
Tgt Ion: 43 Resp: 33624
Ion Ratio Lower Upper
43 100
58 32.1 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.798 min Scan# 546
Delta R.T. -0.001 min
Lab File: VD076519.D
Acq: 21 Jun 2023 18:21

Tgt Ion: 84 Resp: 12513
Ion Ratio Lower Upper
84 100
49 134.6 71.4 107.2#
51 53.1 24.5 36.7#
86 74.5 48.7 73.1#





#25

2-Butanone

Concen: 5.693 ug/l

RT: 7.081 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD076519.D

Acq: 21 Jun 2023 18:21

Instrument :

MSVOA_D

ClientSampleId :

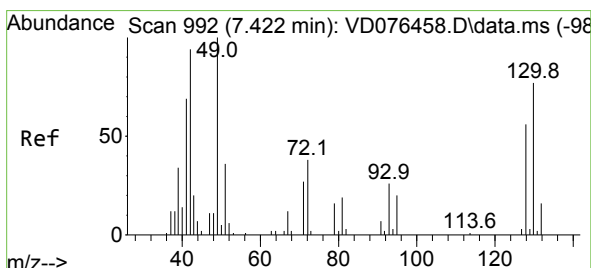
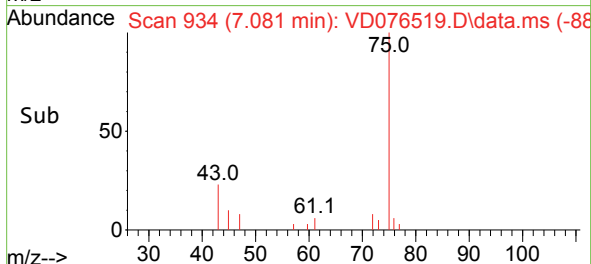
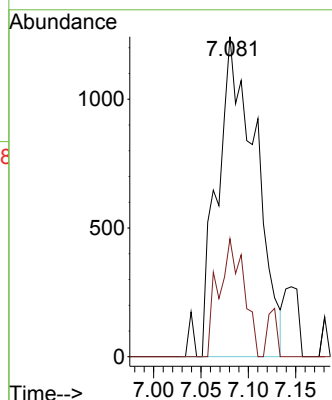
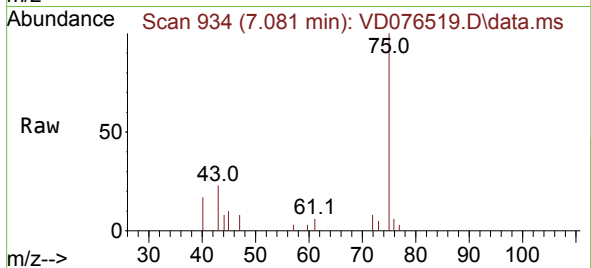
SB-01-6.5-7.0

Tgt Ion: 43 Resp: 3539

Ion Ratio Lower Upper

43 100

72 36.8 30.7 46.1



#28

Bromochloromethane

Concen: Below Cal

RT: 7.475 min Scan# 1001

Delta R.T. 0.053 min

Lab File: VD076519.D

Acq: 21 Jun 2023 18:21

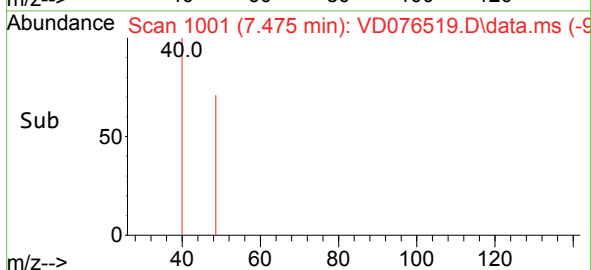
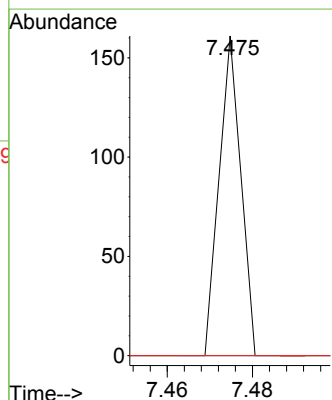
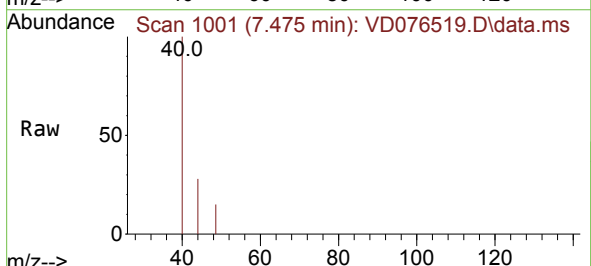
Tgt Ion: 49 Resp: 57

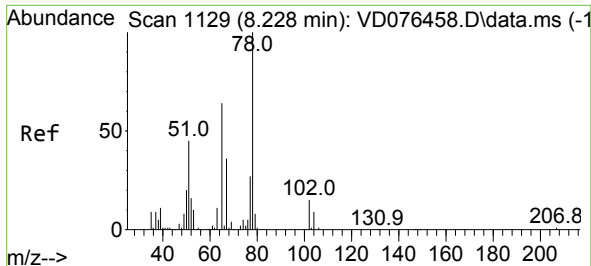
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

130 0.0 83.2 124.8#





#33

1,2-Dichloroethane-d4

Concen: 57.290 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076519.D

Acq: 21 Jun 2023 18:21

Instrument :

MSVOA_D

ClientSampleId :

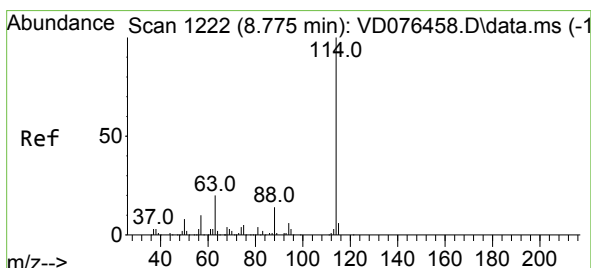
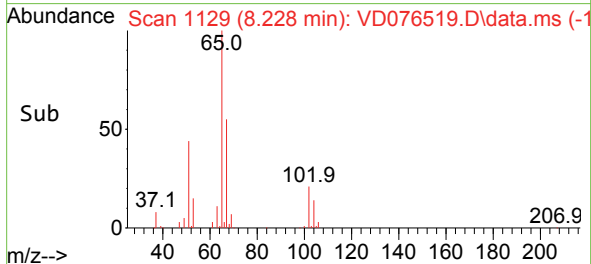
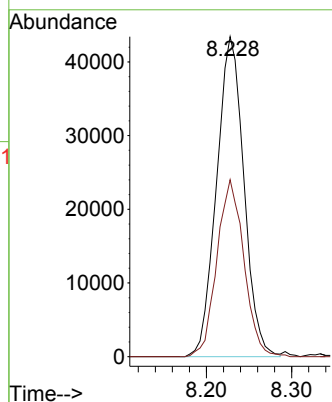
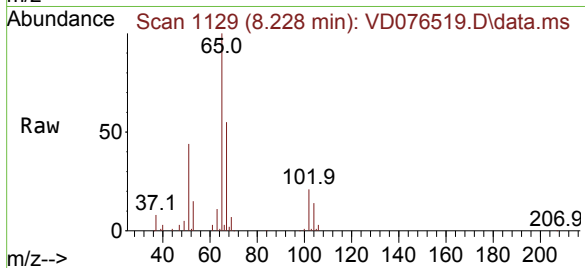
SB-01-6.5-7.0

Tgt Ion: 65 Resp: 96758

Ion Ratio Lower Upper

65 100

67 54.7 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: VD076519.D

Acq: 21 Jun 2023 18:21

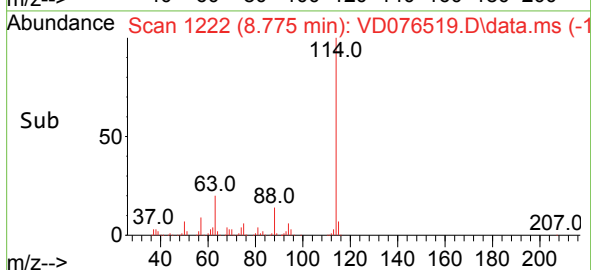
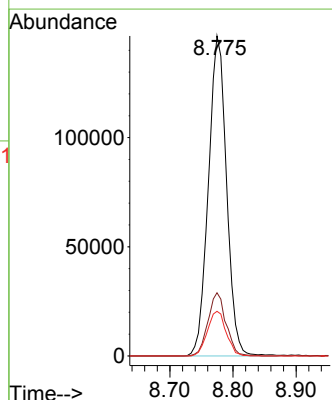
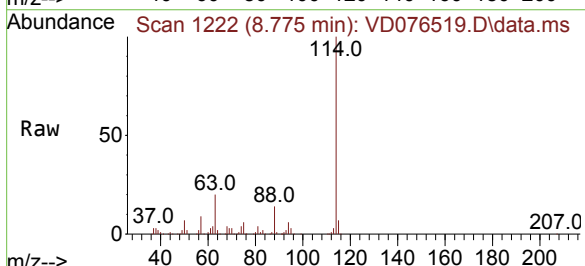
Tgt Ion: 114 Resp: 292661

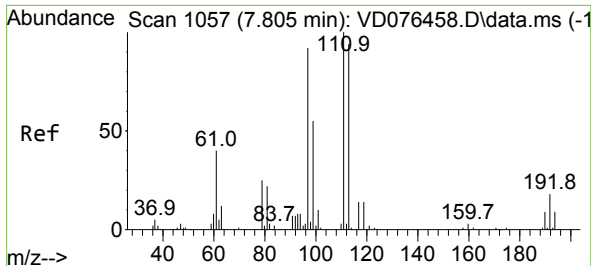
Ion Ratio Lower Upper

114 100

63 19.8 0.0 33.4

88 14.0 0.0 26.2

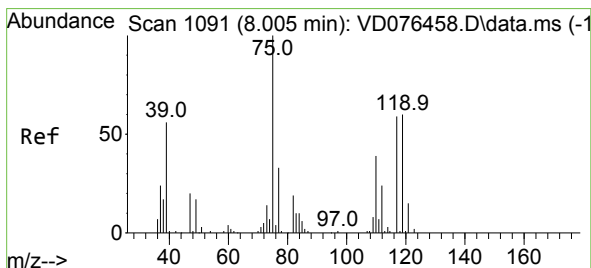
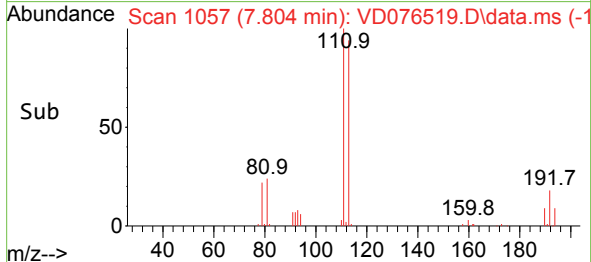
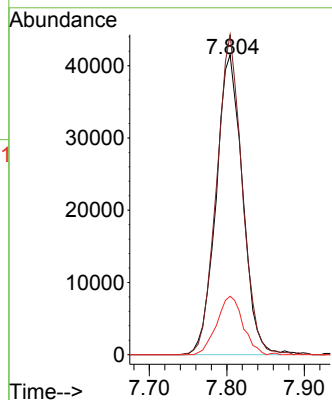
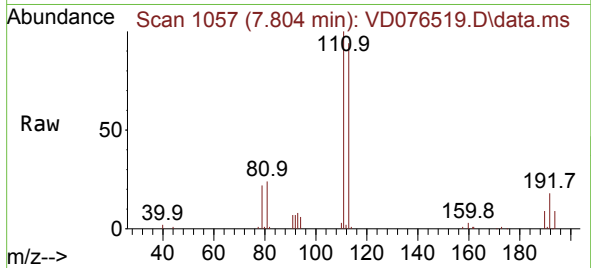




#35
Dibromofluoromethane
Concen: 56.559 ug/l
RT: 7.804 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VD076519.D
Acq: 21 Jun 2023 18:21

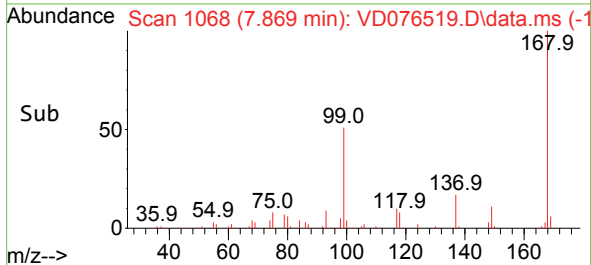
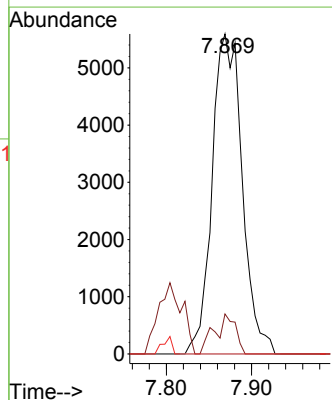
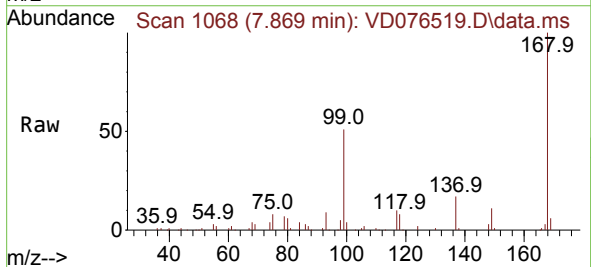
Instrument :
MSVOA_D
ClientSampleId :
SB-01-6.5-7.0

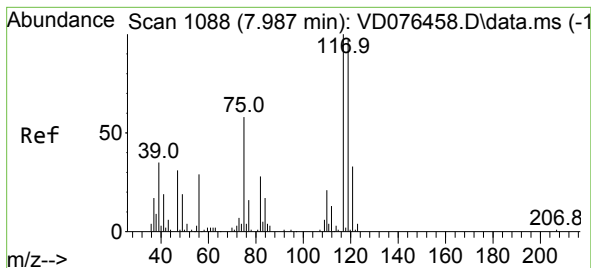
Tgt Ion:113 Resp: 98334
Ion Ratio Lower Upper
113 100
111 103.2 84.7 127.1
192 19.4 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.623 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VD076519.D
Acq: 21 Jun 2023 18:21

Tgt Ion: 75 Resp: 13690
Ion Ratio Lower Upper
75 100
110 8.7 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 7.269 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.118 min

Lab File: VD076519.D

Acq: 21 Jun 2023 18:21

Instrument :

MSVOA_D

ClientSampleId :

SB-01-6.5-7.0

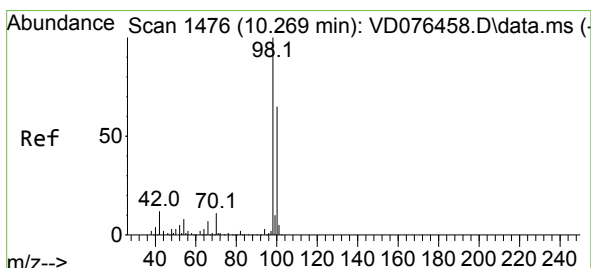
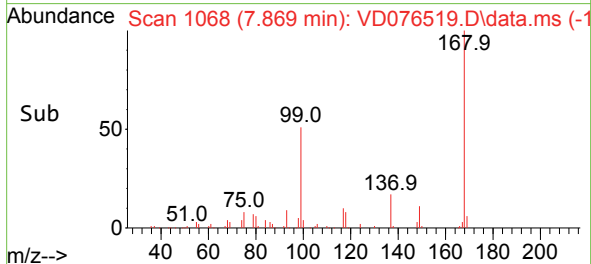
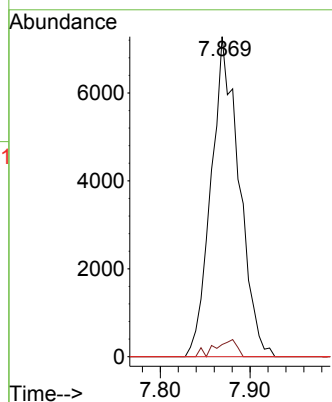
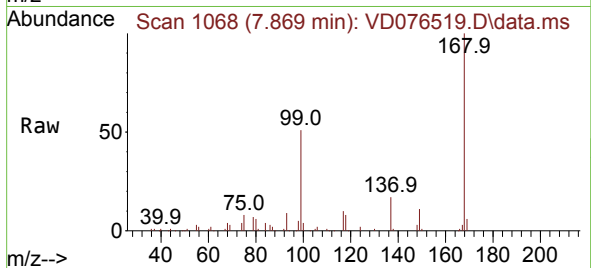
Tgt Ion:117 Resp: 15818

Ion Ratio Lower Upper

117 100

119 3.8 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 56.281 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD076519.D

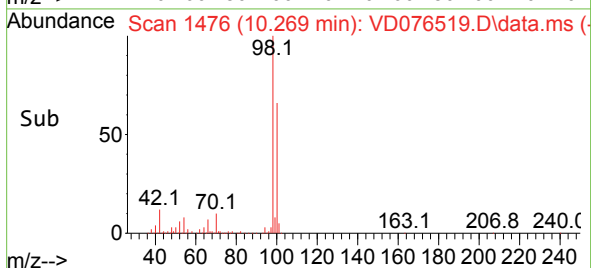
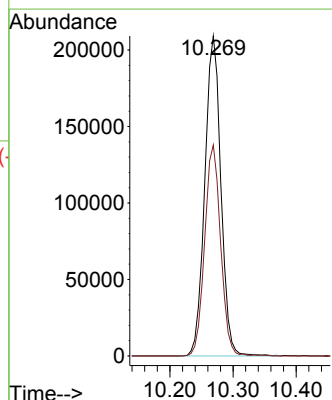
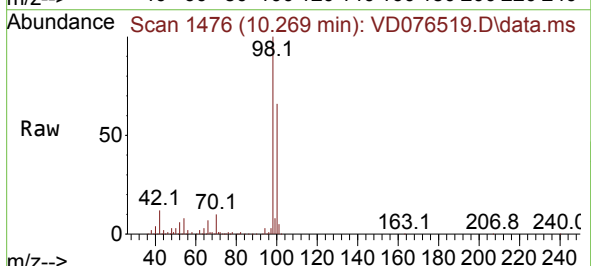
Acq: 21 Jun 2023 18:21

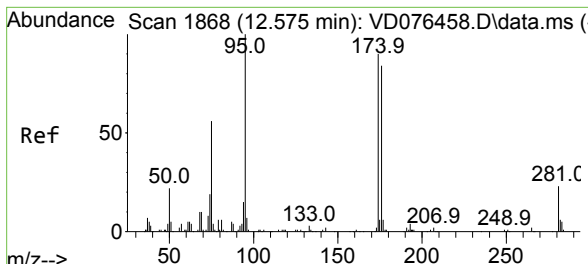
Tgt Ion: 98 Resp: 371094

Ion Ratio Lower Upper

98 100

100 65.1 50.3 75.5

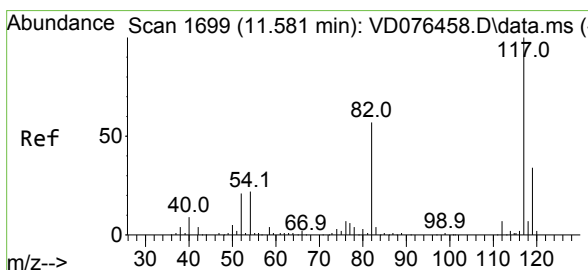
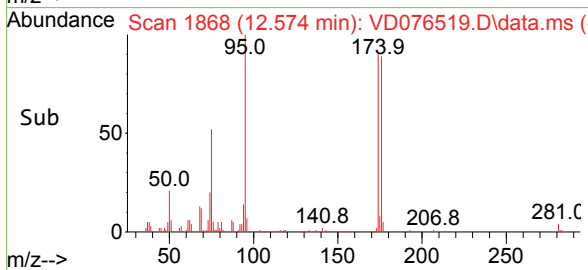
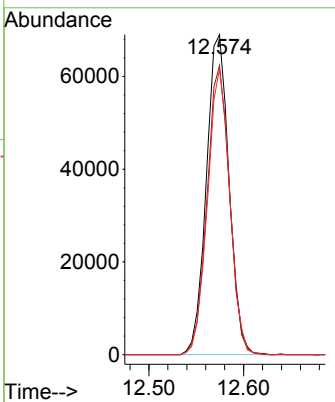
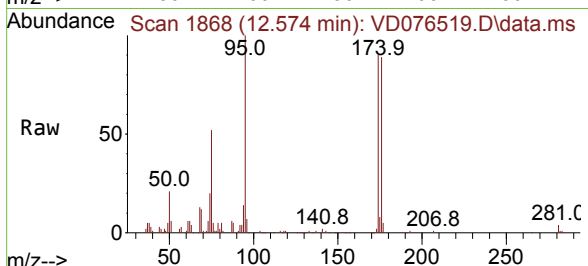




#62
 4-Bromofluorobenzene
 Concen: 53.482 ug/l
 RT: 12.574 min Scan# 1868
 Delta R.T. -0.000 min
 Lab File: VD076519.D
 Acq: 21 Jun 2023 18:21

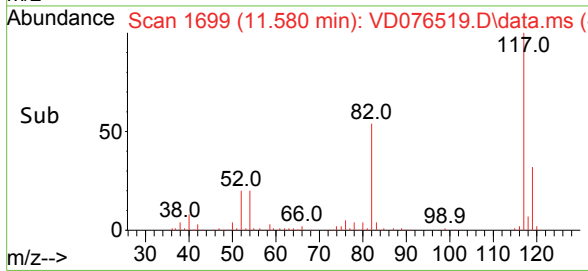
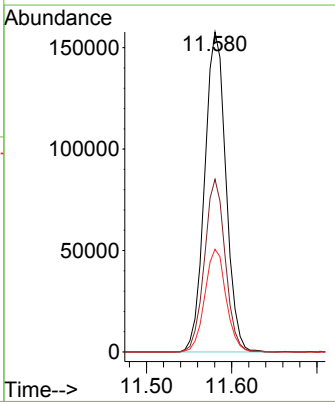
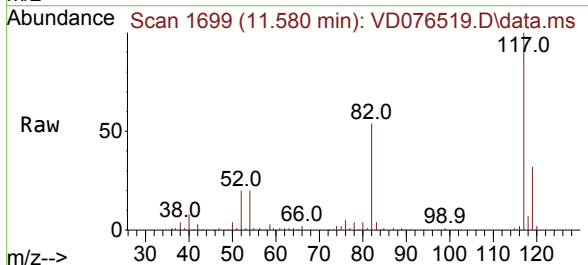
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-01-6.5-7.0

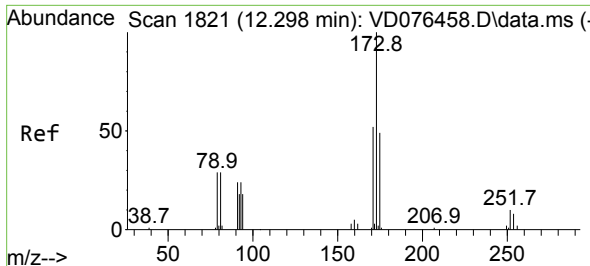
Tgt Ion:	95	Resp:	114446
Ion Ratio	Lower	Upper	
95	100		
174	89.7	0.0	201.8
176	87.6	0.0	191.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.580 min Scan# 1699
 Delta R.T. -0.000 min
 Lab File: VD076519.D
 Acq: 21 Jun 2023 18:21

Tgt Ion:	117	Resp:	272638
Ion Ratio	Lower	Upper	
117	100		
82	54.0	38.3	57.5
119	32.1	25.0	37.4

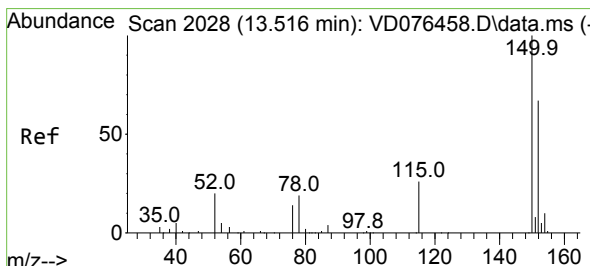
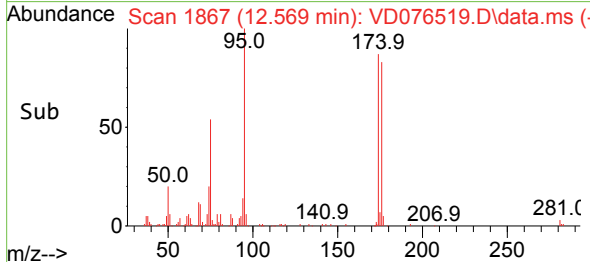
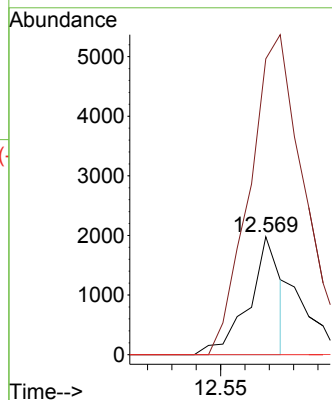
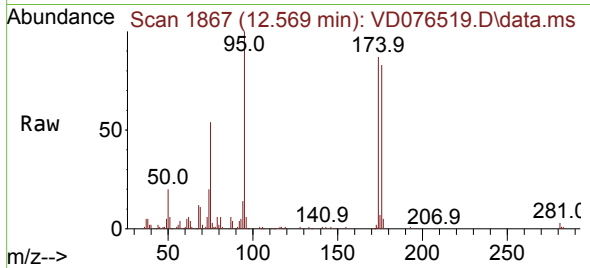




#71
Bromoform
Concen: 1.588 ug/l
RT: 12.569 min Scan# 1821
Delta R.T. 0.270 min
Lab File: VD076519.D
Acq: 21 Jun 2023 18:21

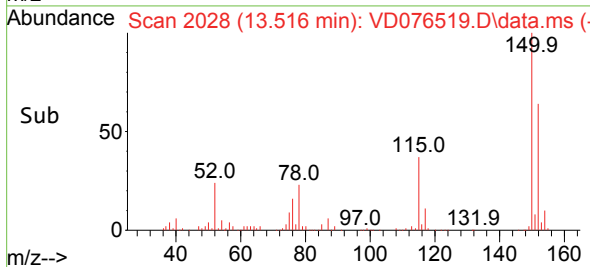
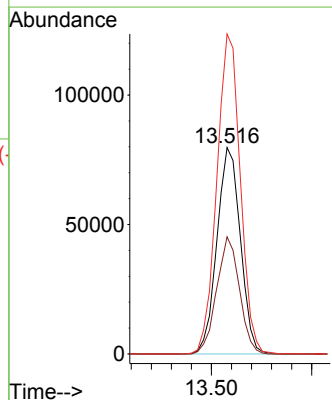
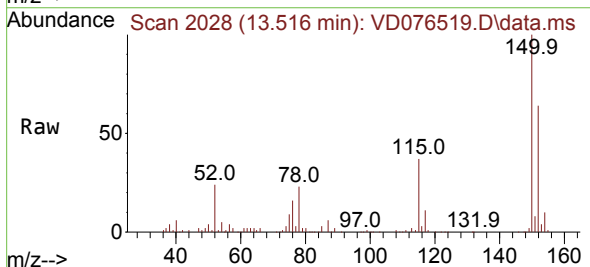
Instrument :
MSVOA_D
ClientSampleId :
SB-01-6.5-7.0

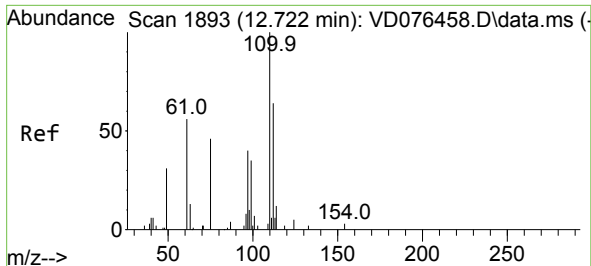
Tgt Ion:173 Resp: 1766
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD076519.D
Acq: 21 Jun 2023 18:21

Tgt Ion:152 Resp: 129242
Ion Ratio Lower Upper
152 100
115 55.1 27.1 81.3
150 155.3 0.0 353.6

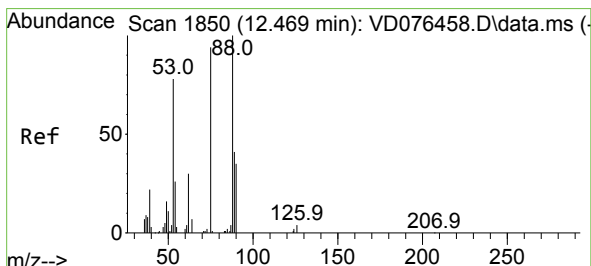
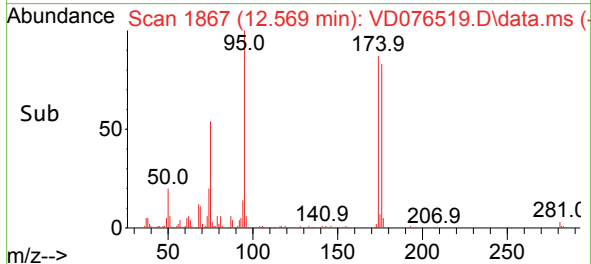
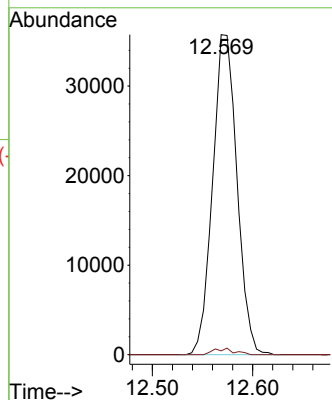
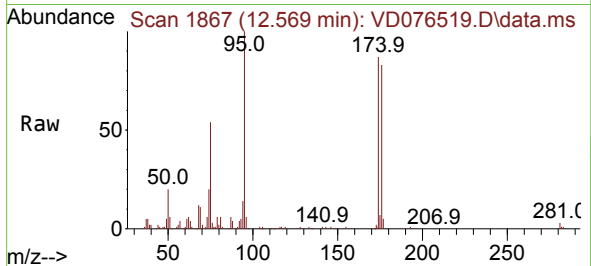




#76
1,2,3-Trichloropropane
Concen: 46.921 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD076519.D
Acq: 21 Jun 2023 18:21

Instrument :
MSVOA_D
ClientSampleId :
SB-01-6.5-7.0

Tgt Ion: 75 Resp: 60185
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.814 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD076519.D
Acq: 21 Jun 2023 18:21

Tgt Ion: 75 Resp: 60185
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

