

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062123\
 Data File : VD076526.D
 Acq On : 21 Jun 2023 21:52
 Operator : KP/SY
 Sample : VSTDCCC050
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jun 22 02:04:42 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)

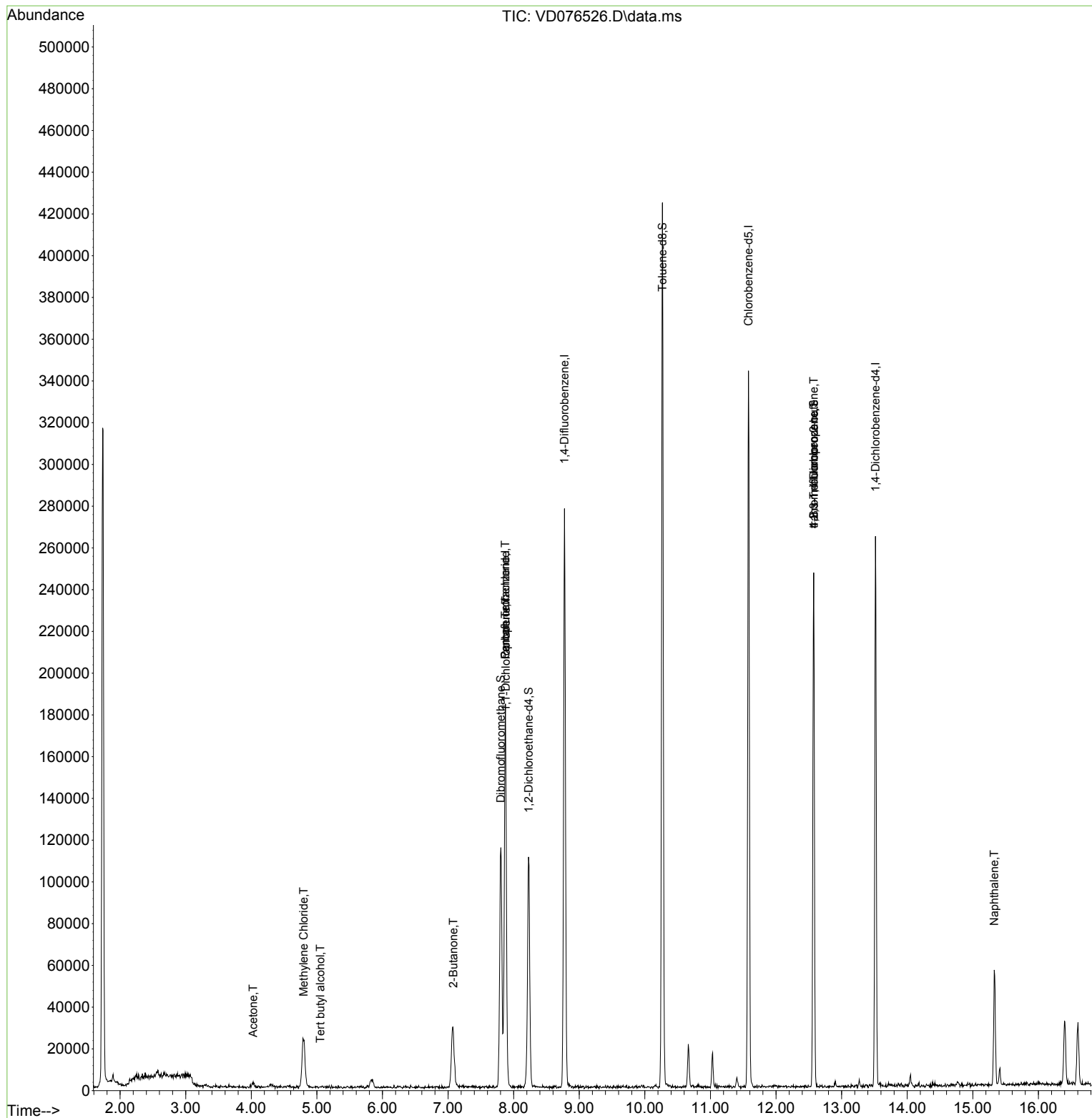
Internal Standards						
1) Pentafluorobenzene	7.875	168	137824	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	235751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	193799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	66068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	82179	59.512	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	119.020%	
35) Dibromofluoromethane	7.804	113	82749	59.084	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	118.160%	
50) Toluene-d8	10.269	98	279613	52.644	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	105.280%	
62) 4-Bromofluorobenzene	12.575	95	70769	41.054	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	82.100%	
Target Compounds						
11) Tert butyl alcohol	5.052	59	149	1.250	ug/l #	1
16) Acetone	4.028	43	3854	11.729	ug/l #	76
20) Methylene Chloride	4.799	84	17557	2.089	ug/l	89
25) 2-Butanone	7.081	43	1841	3.622	ug/l #	84
28) Bromochloromethane	7.399	49	63	Below Cal	#	1
36) 1,1-Dichloropropene	7.881	75	10401	5.303	ug/l #	49
38) Carbon Tetrachloride	7.875	117	13274	7.572	ug/l #	14
76) 1,2,3-Trichloropropane	12.575	75	38323	58.445	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	38323	128.067	ug/l #	17
95) Naphthalene	15.328	128	47855	19.063	ug/l	97

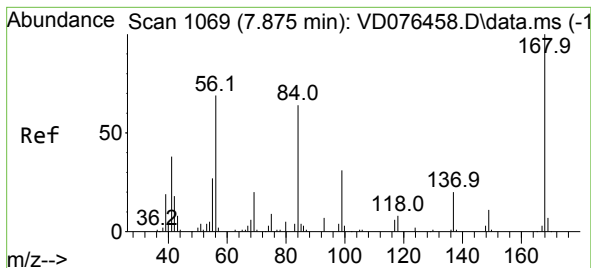
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
Quant Title : SW846 8260
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: VD076526.D

Acq: 21 Jun 2023 21:52

Instrument :

MSVOA_D

ClientSampleId :

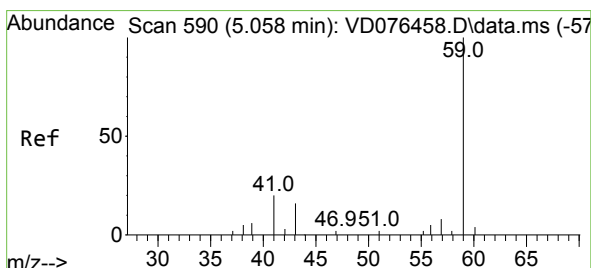
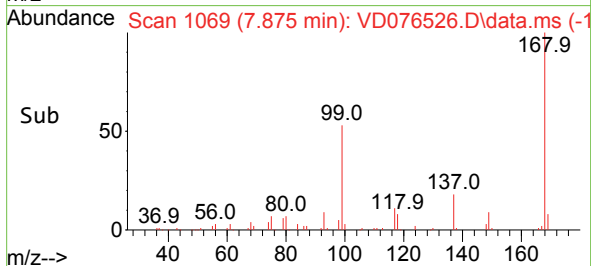
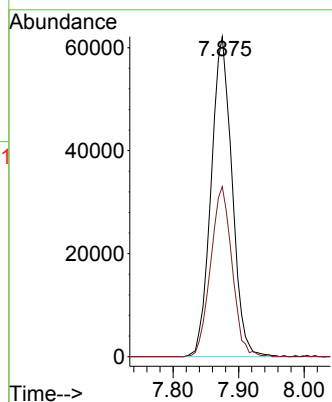
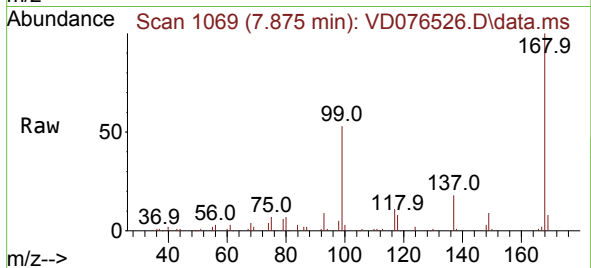
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Tgt Ion:168 Resp: 137824

Ion Ratio Lower Upper

168 100

99 53.1 36.7 55.1



#11

Tert butyl alcohol

Concen: 1.250 ug/l

RT: 5.052 min Scan# 589

Delta R.T. -0.006 min

Lab File: VD076526.D

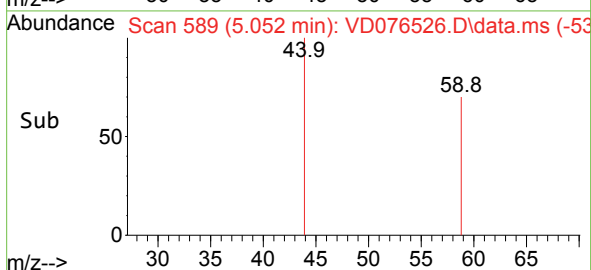
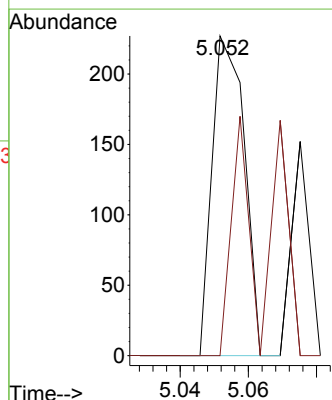
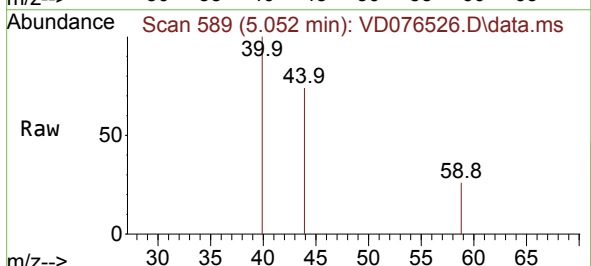
Acq: 21 Jun 2023 21:52

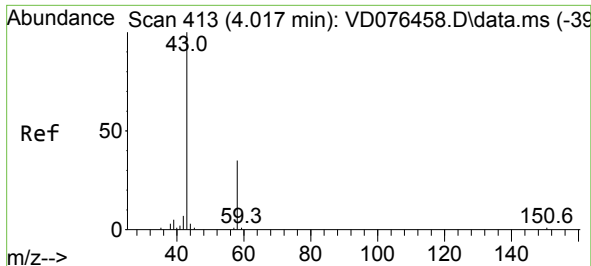
Tgt Ion: 59 Resp: 149

Ion Ratio Lower Upper

59 100

57 79.9 7.8 11.8#





#16

Acetone

Concen: 11.729 ug/l

RT: 4.028 min Scan# 41

Delta R.T. 0.012 min

Lab File: VD076526.D

Acq: 21 Jun 2023 21:52

Instrument :

MSVOA_D

ClientSampleId :

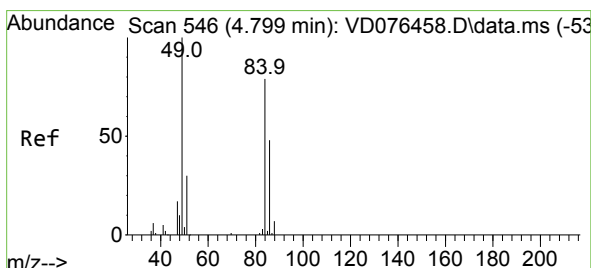
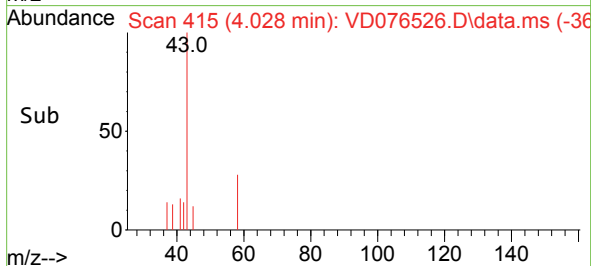
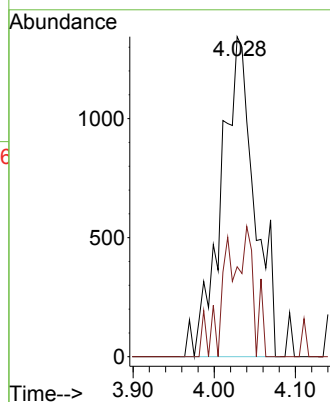
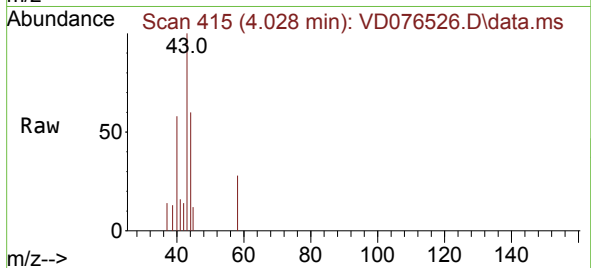
TRIP-BLANK

Tgt Ion: 43 Resp: 3854

Ion Ratio Lower Upper

43 100

58 28.1 34.7 52.1#



#20

Methylene Chloride

Concen: 2.089 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.000 min

Lab File: VD076526.D

Acq: 21 Jun 2023 21:52

Tgt Ion: 84 Resp: 17557

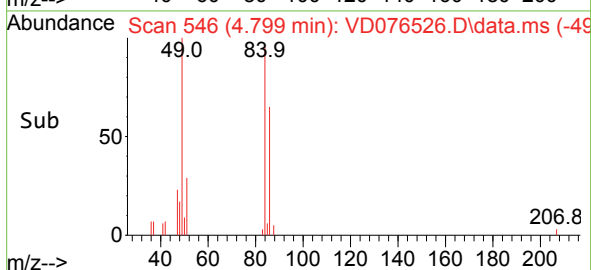
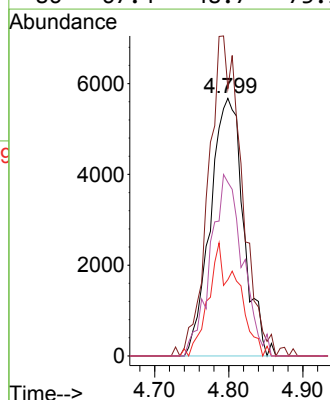
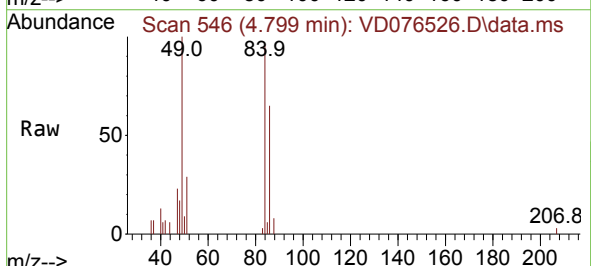
Ion Ratio Lower Upper

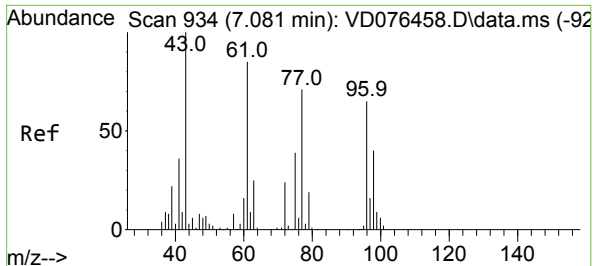
84 100

49 103.8 71.4 107.2

51 29.6 24.5 36.7

86 67.4 48.7 73.1





#25

2-Butanone

Concen: 3.622 ug/l

RT: 7.081 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD076526.D

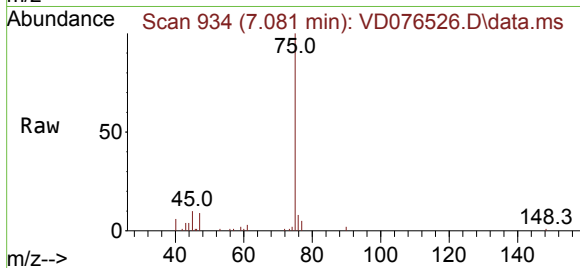
Acq: 21 Jun 2023 21:52

Instrument :

MSVOA_D

ClientSampleId :

TRIP-BLANK

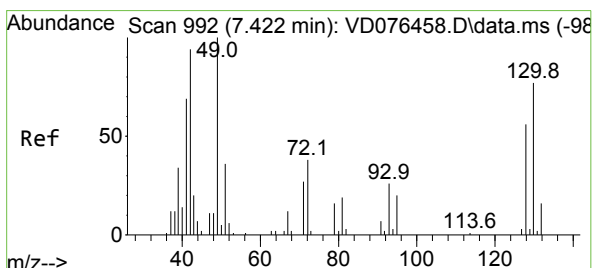
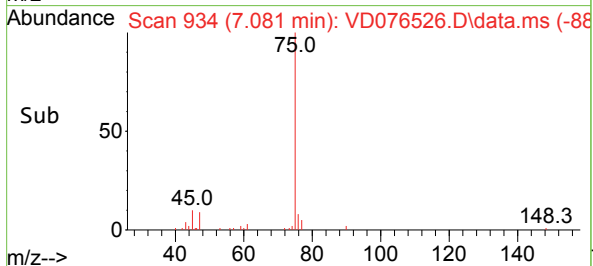
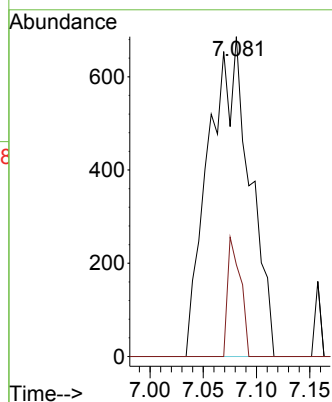


Tgt Ion: 43 Resp: 1841

Ion Ratio Lower Upper

43 100

72 28.7 30.7 46.1#



#28

Bromochloromethane

Concen: Below Cal

RT: 7.399 min Scan# 988

Delta R.T. -0.023 min

Lab File: VD076526.D

Acq: 21 Jun 2023 21:52

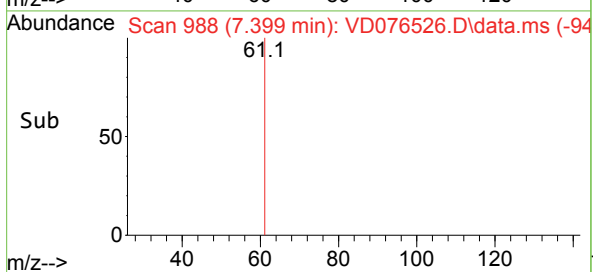
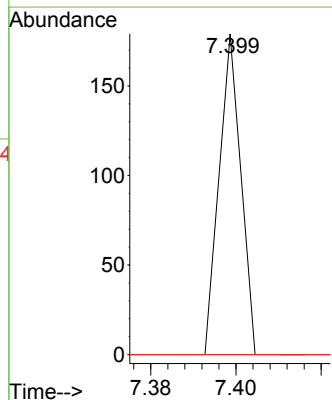
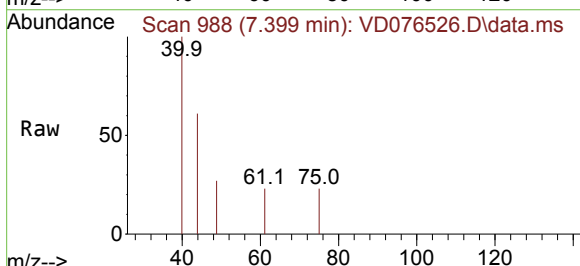
Tgt Ion: 49 Resp: 63

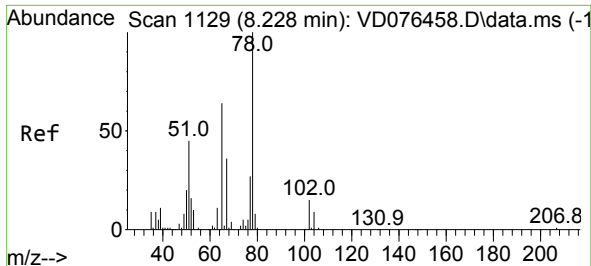
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

130 0.0 83.2 124.8#





#33

1,2-Dichloroethane-d4

Concen: 59.512 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076526.D

Acq: 21 Jun 2023 21:52

Instrument :

MSVOA_D

ClientSampleId :

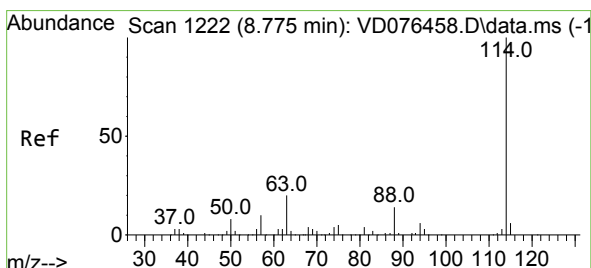
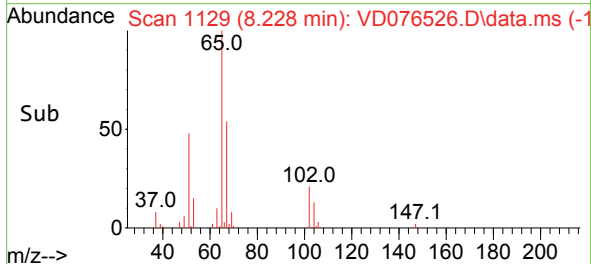
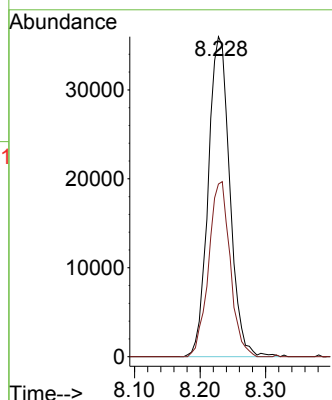
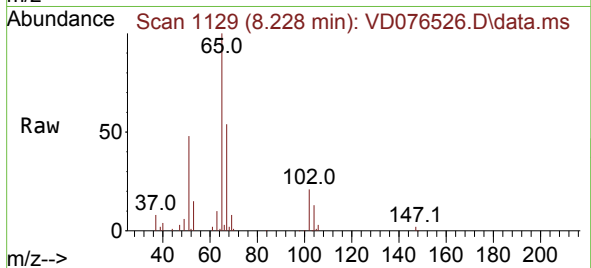
TRIP-BLANK

Tgt Ion: 65 Resp: 82179

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: VD076526.D

Acq: 21 Jun 2023 21:52

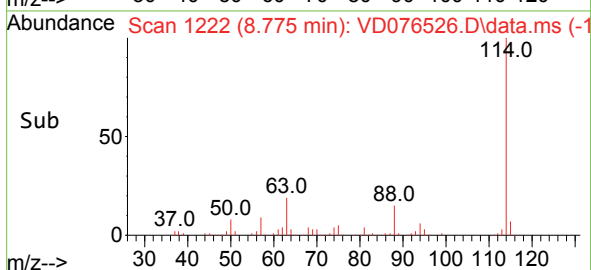
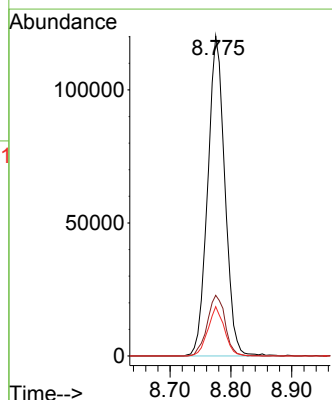
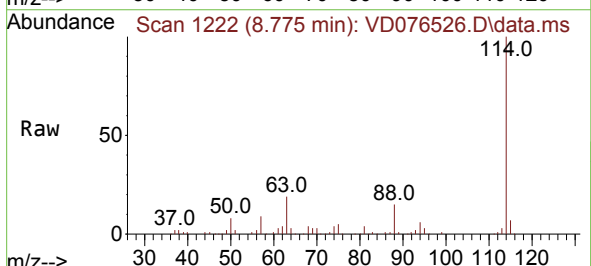
Tgt Ion: 114 Resp: 235751

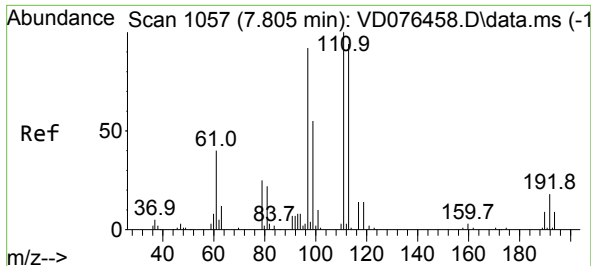
Ion Ratio Lower Upper

114 100

63 19.0 0.0 33.4

88 15.4 0.0 26.2

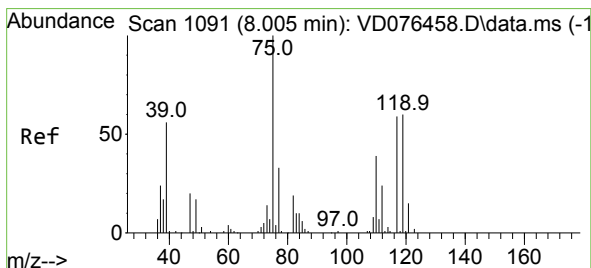
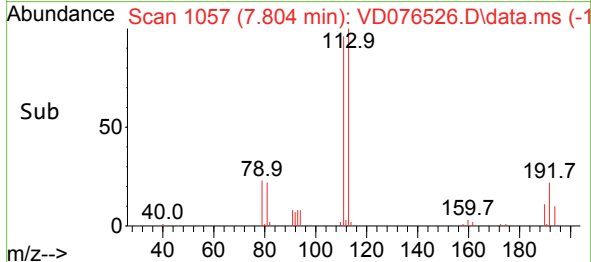
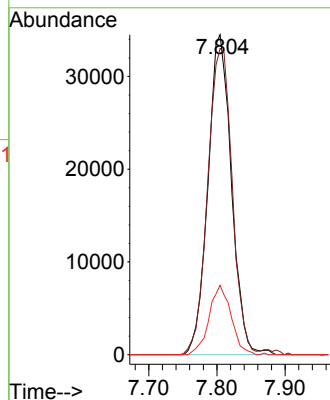
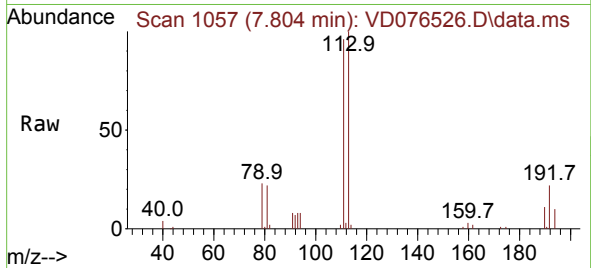




#35
Dibromofluoromethane
Concen: 59.084 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD076526.D
Acq: 21 Jun 2023 21:52

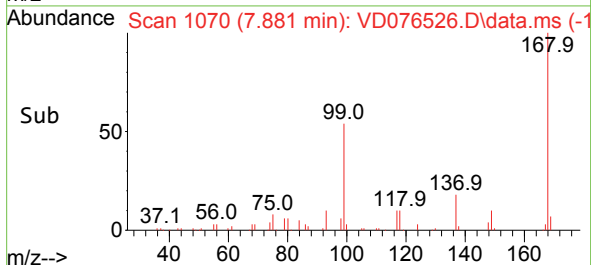
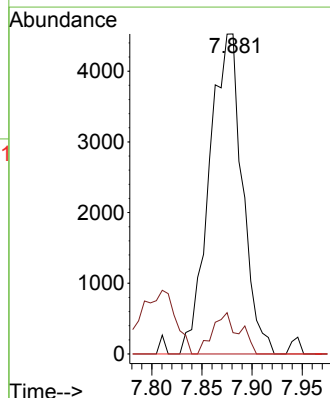
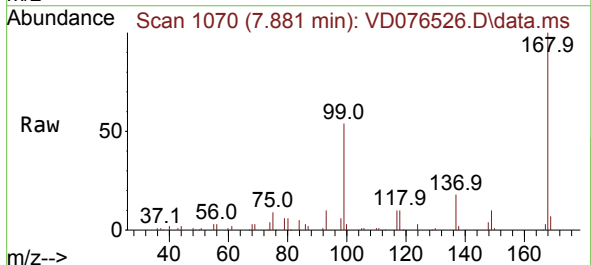
Instrument :
MSVOA_D
ClientSampleId :
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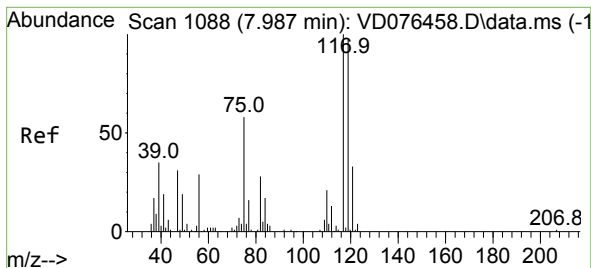
Tgt Ion:113 Resp: 82749
Ion Ratio Lower Upper
113 100
111 99.7 84.7 127.1
192 20.3 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.303 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.124 min
Lab File: VD076526.D
Acq: 21 Jun 2023 21:52

Tgt Ion: 75 Resp: 10401
Ion Ratio Lower Upper
75 100
110 10.3 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 7.572 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD076526.D

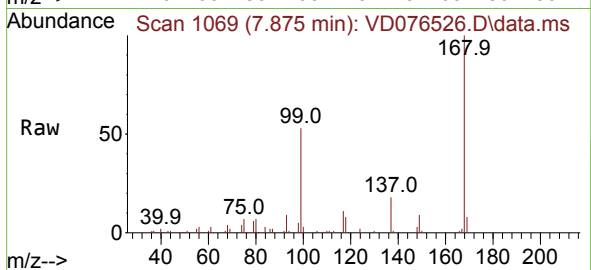
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Instrument :

MSVOA_D

ClientSampleId :

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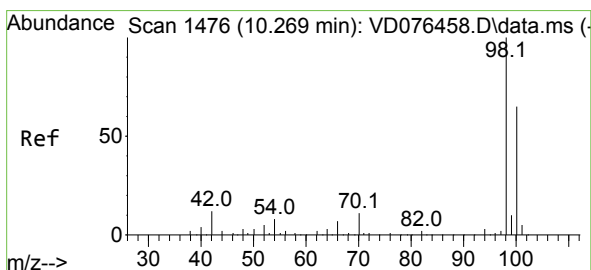
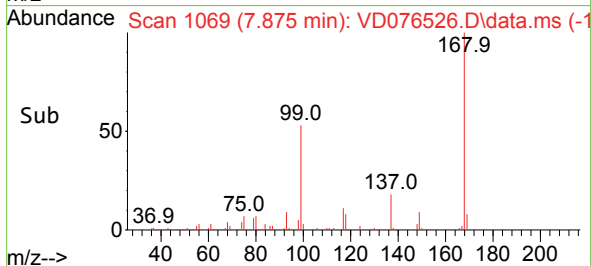
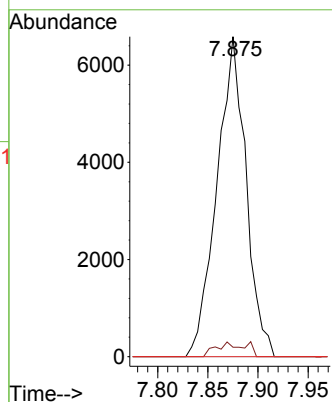
Tgt Ion:117 Resp: 13274

Ion Ratio Lower Upper

117 100

119 3.0 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 52.644 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD076526.D

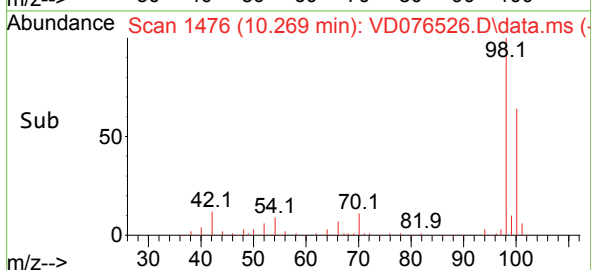
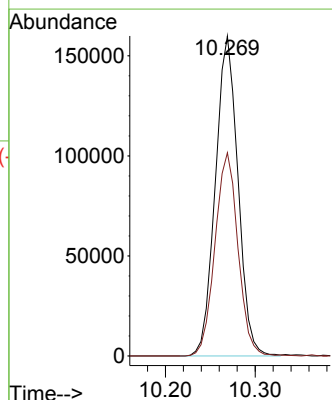
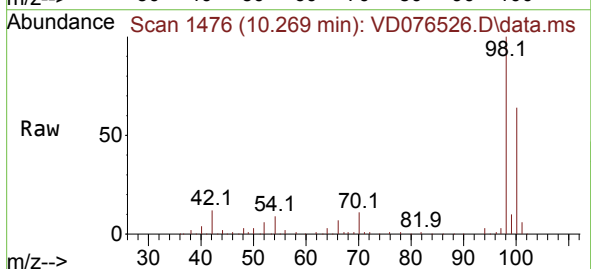
Acq: 21 Jun 2023 21:52

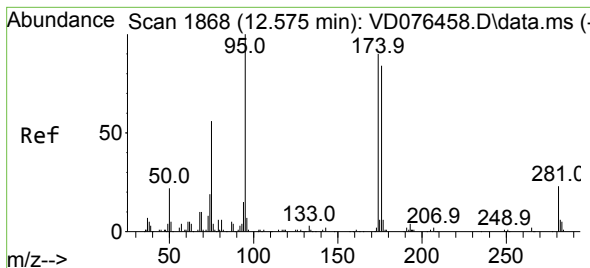
Tgt Ion: 98 Resp: 279613

Ion Ratio Lower Upper

98 100

100 64.7 50.3 75.5

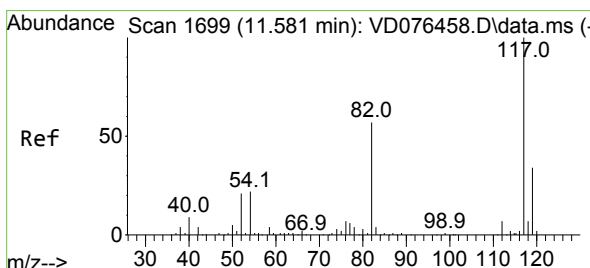
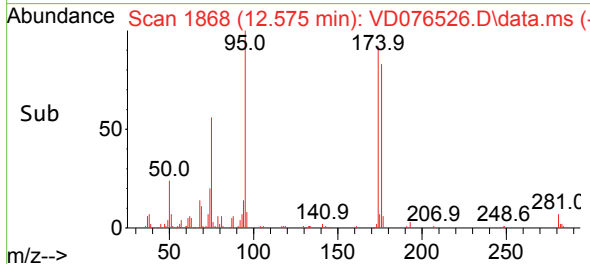
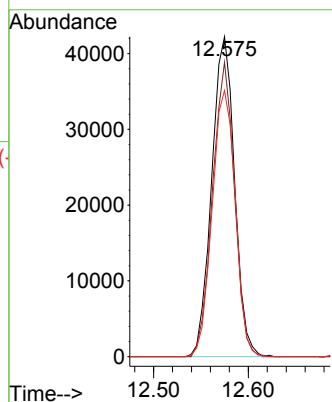
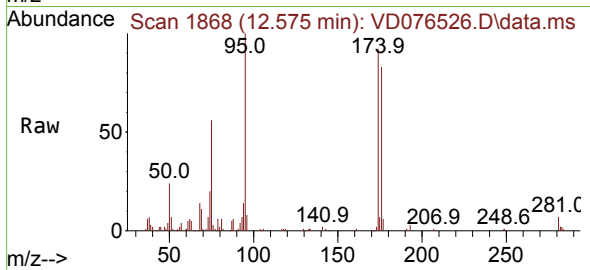




#62
4-Bromofluorobenzene
Concen: 41.054 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076526.D
Acq: 21 Jun 2023 21:52

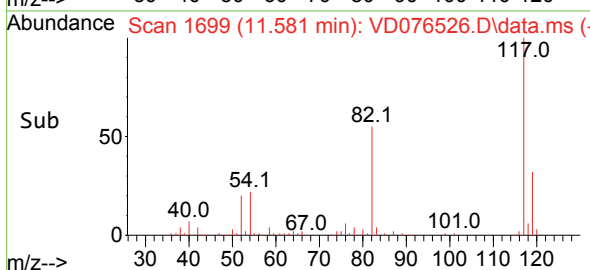
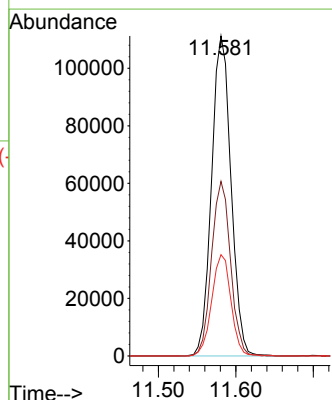
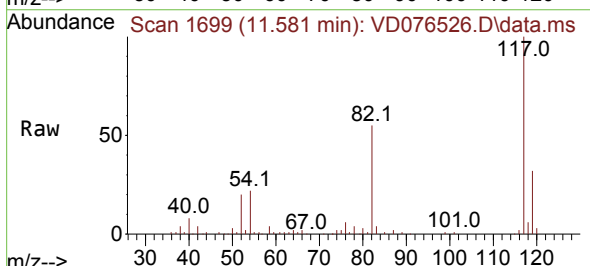
Instrument :
MSVOA_D
ClientSampleId :
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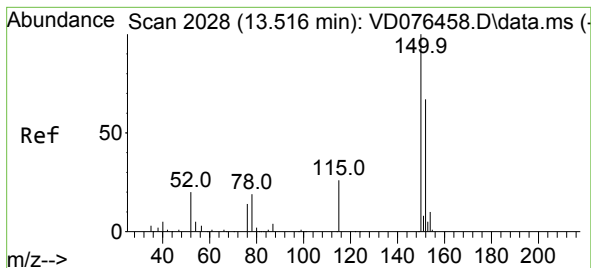
Tgt Ion: 95 Resp: 70769
Ion Ratio Lower Upper
95 100
174 88.3 0.0 201.8
176 84.3 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076526.D
Acq: 21 Jun 2023 21:52

Tgt Ion: 117 Resp: 193799
Ion Ratio Lower Upper
117 100
82 54.5 38.3 57.5
119 31.6 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.000 min

Lab File: VD076526.D

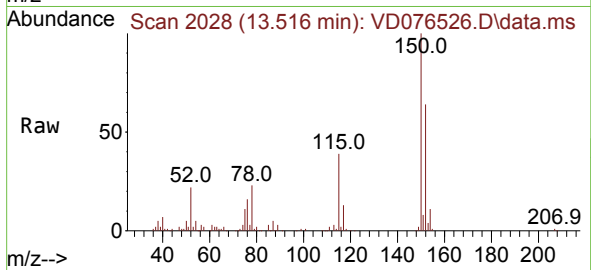
Acq: 21 Jun 2023 21:52

Instrument :

MSVOA_D

ClientSampleId :

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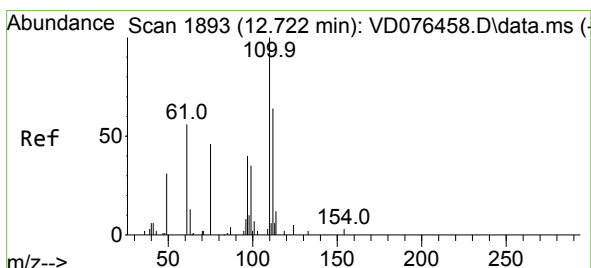
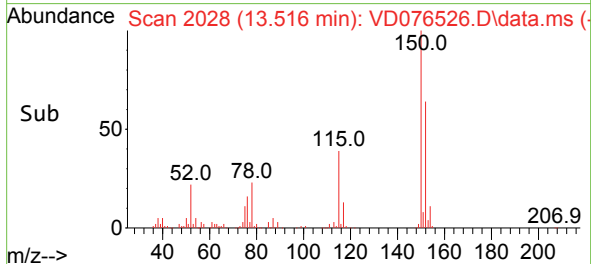
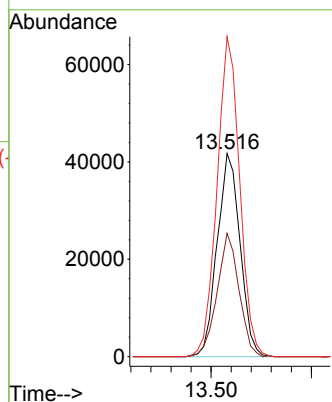
Tgt Ion:152 Resp: 66068

Ion Ratio Lower Upper

152 100

115 58.1 27.1 81.3

150 156.0 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 58.445 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD076526.D

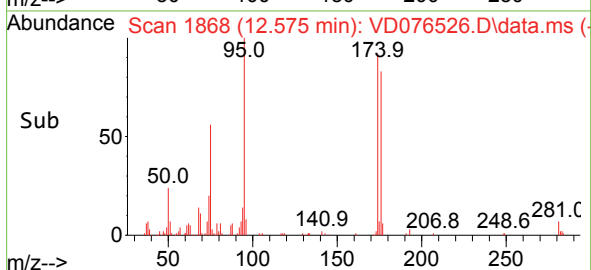
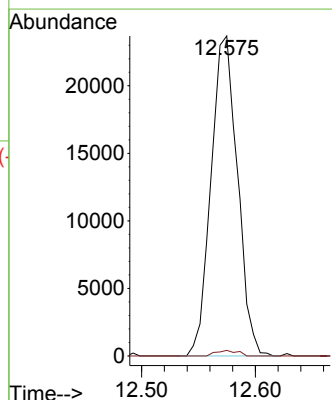
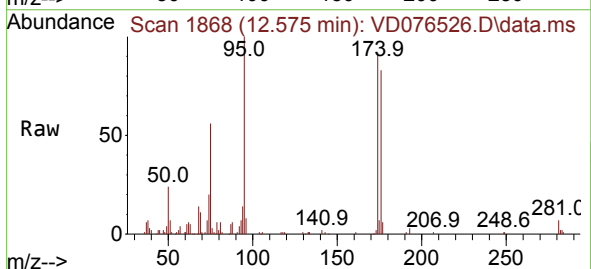
Acq: 21 Jun 2023 21:52

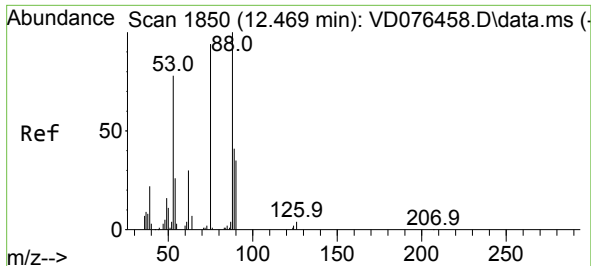
Tgt Ion: 75 Resp: 38323

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

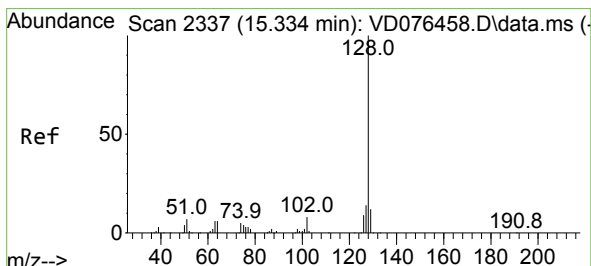
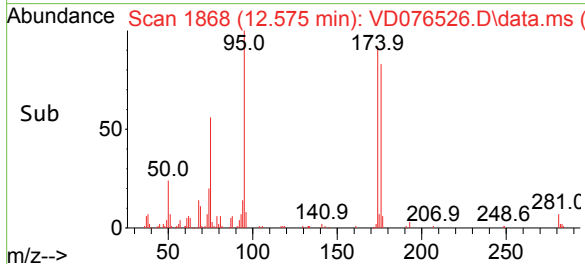
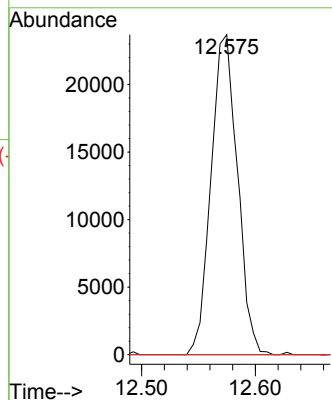
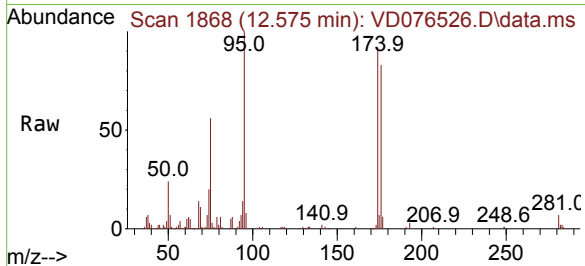




#81
trans-1,4-Dichloro-2-butene
Concen: 128.067 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076526.D
Acq: 21 Jun 2023 21:52

Instrument :
MSVOA_D
ClientSampleId :
TRIP-BLANK

Tgt Ion: 75 Resp: 38323
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 19.063 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VD076526.D
Acq: 21 Jun 2023 21:52

Tgt Ion:128 Resp: 47855
Ion Ratio Lower Upper
128 100
127 14.4 10.5 15.7
129 10.2 8.7 13.1

