

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062123\
 Data File : VD076513.D
 Acq On : 21 Jun 2023 15:21
 Operator : KP/SY
 Sample : 03336-13
 Misc : 5.23G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-2

Quant Time: Jun 22 01:59:37 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)

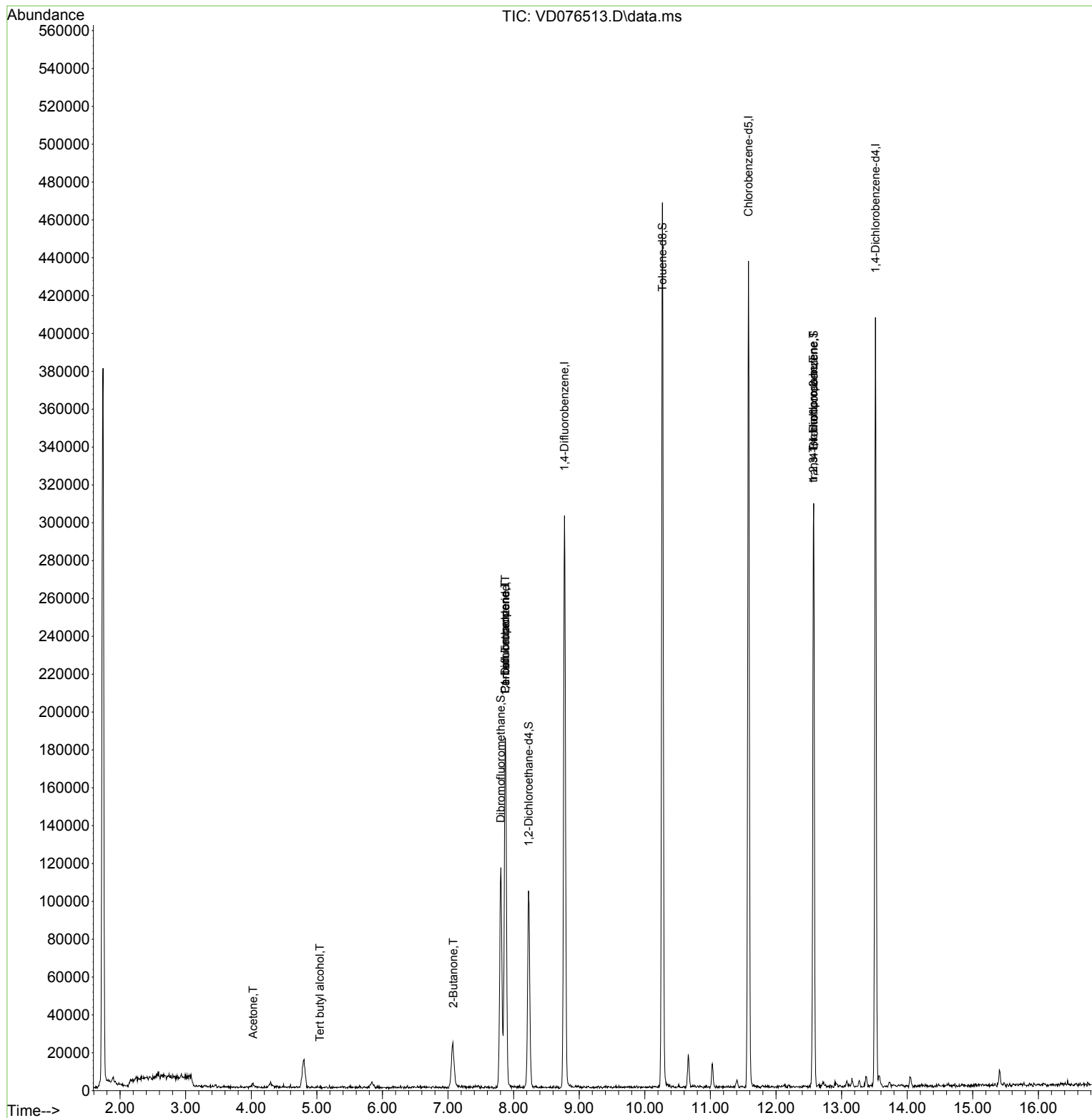
Internal Standards						
1) Pentafluorobenzene	7.875	168	150140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	265639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	243102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	102907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	74932	49.813	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.620%
35) Dibromofluoromethane	7.805	113	81673	51.755	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.500%
50) Toluene-d8	10.269	98	312862	52.276	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.560%
62) 4-Bromofluorobenzene	12.575	95	91108	46.907	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.820%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.046	59	157	1.209	ug/l #	73
16) Acetone	4.028	43	3282	9.169	ug/l #	63
20) Methylene Chloride	4.805	84	10407	Below Cal	#	62
25) 2-Butanone	7.081	43	1941	3.506	ug/l	97
28) Bromochloromethane	7.287	49	76	Below Cal	#	1
36) 1,1-Dichloropropene	7.869	75	12298	5.565	ug/l #	48
38) Carbon Tetrachloride	7.875	117	14431	7.306	ug/l #	17
76) 1,2,3-Trichloropropane	12.569	75	47525	46.533	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	47525	101.964	ug/l #	17

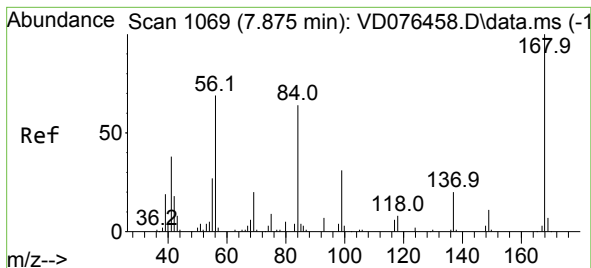
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD076513.D

Acq: 21 Jun 2023 15:21

Instrument :

MSVOA_D

ClientSampleId :

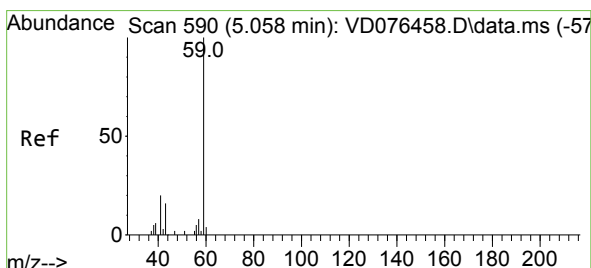
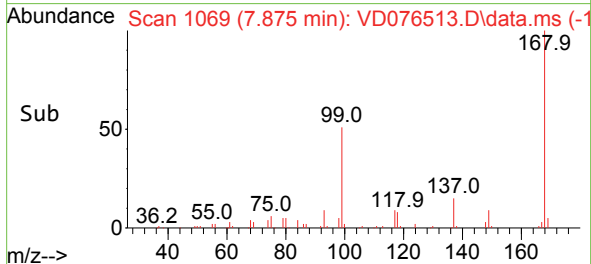
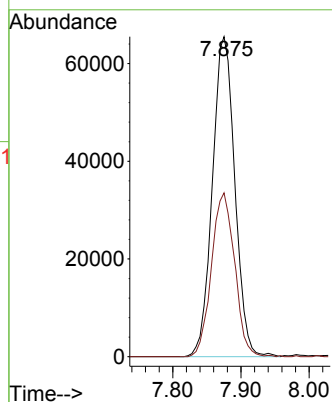
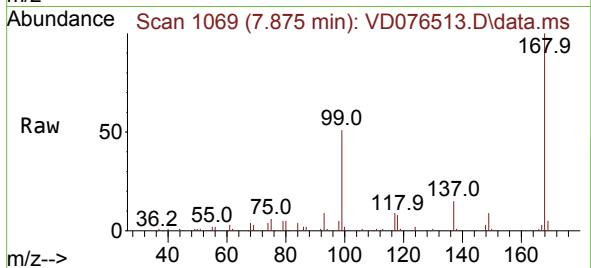
WC-2

Tgt Ion:168 Resp: 150140

Ion Ratio Lower Upper

168 100

99 51.2 36.7 55.1



#11

Tert butyl alcohol

Concen: 1.209 ug/l

RT: 5.046 min Scan# 588

Delta R.T. -0.012 min

Lab File: VD076513.D

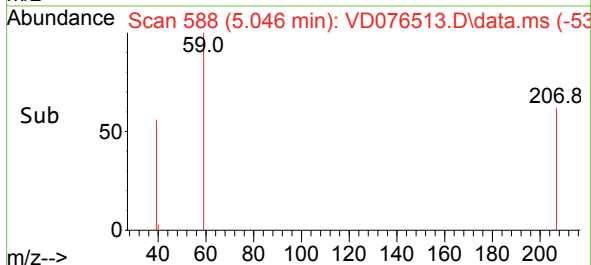
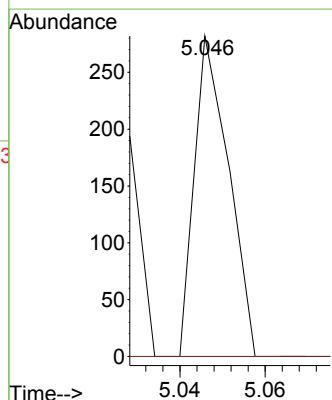
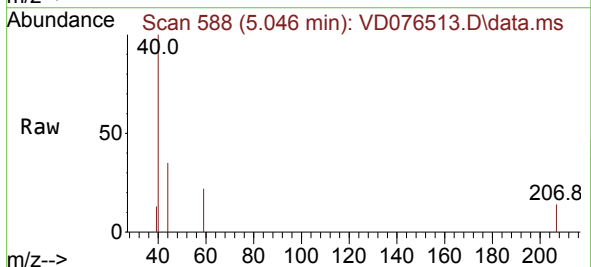
Acq: 21 Jun 2023 15:21

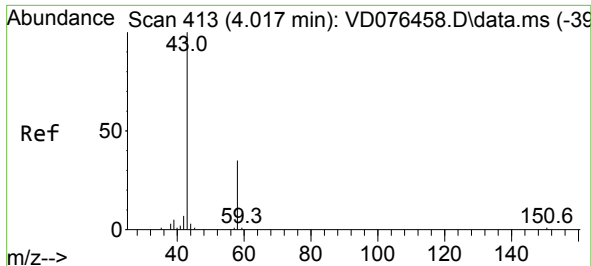
Tgt Ion: 59 Resp: 157

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#16

Acetone

Concen: 9.169 ug/l

RT: 4.028 min Scan# 41

Delta R.T. 0.012 min

Lab File: VD076513.D

Acq: 21 Jun 2023 15:21

Instrument :

MSVOA_D

ClientSampleId :

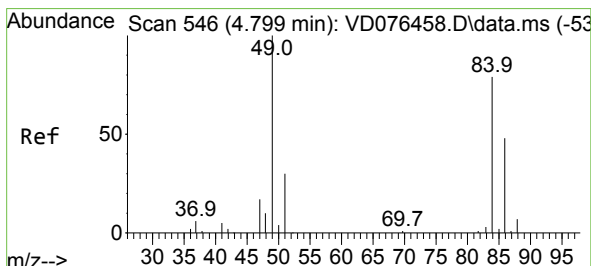
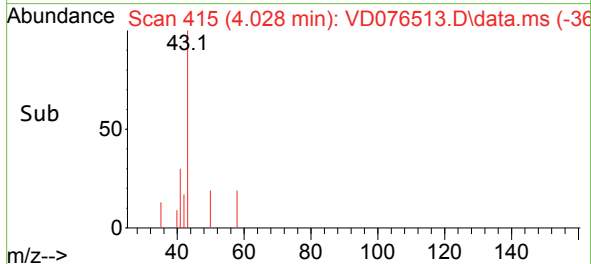
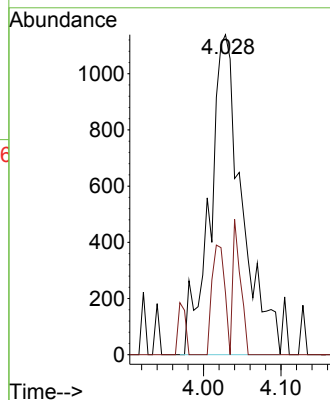
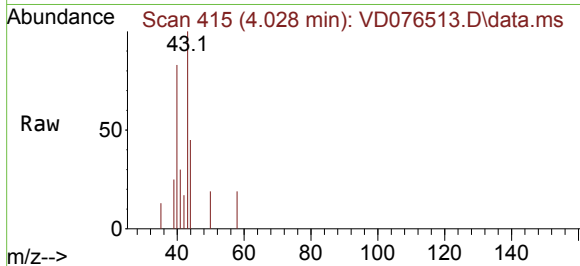
WC-2

Tgt Ion: 43 Resp: 3282

Ion Ratio Lower Upper

43 100

58 19.3 34.7 52.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.805 min Scan# 547

Delta R.T. 0.006 min

Lab File: VD076513.D

Acq: 21 Jun 2023 15:21

Tgt Ion: 84 Resp: 10407

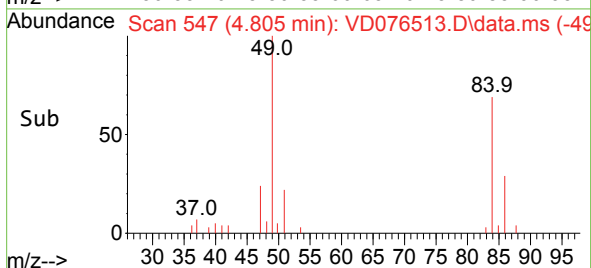
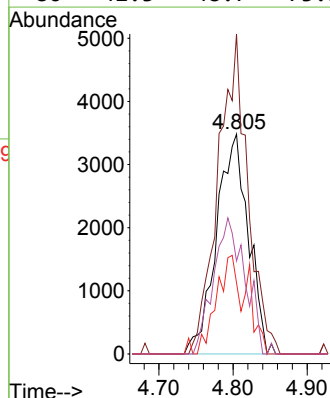
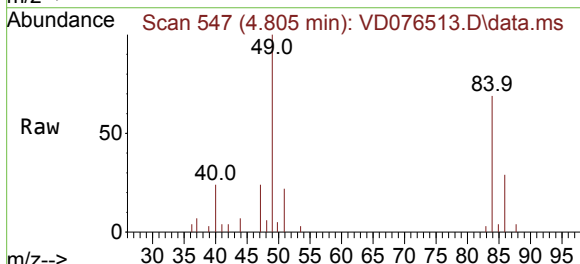
Ion Ratio Lower Upper

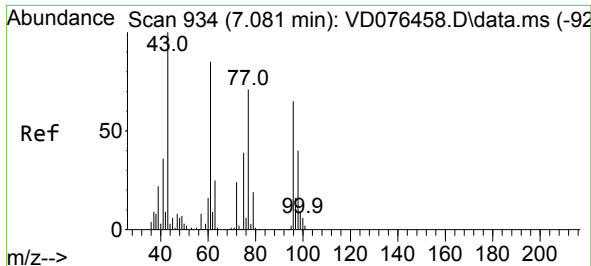
84 100

49 145.5 71.4 107.2#

51 32.4 24.5 36.7

86 42.3 48.7 73.1#





#25

2-Butanone

Concen: 3.506 ug/l

RT: 7.081 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD076513.D

Acq: 21 Jun 2023 15:21

Instrument :

MSVOA_D

ClientSampleId :

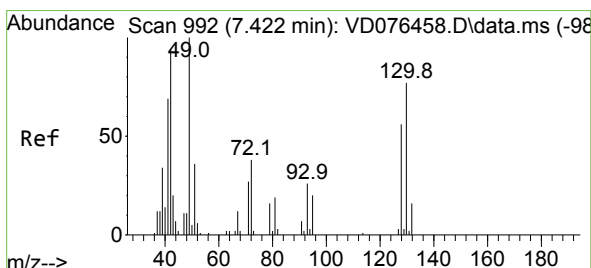
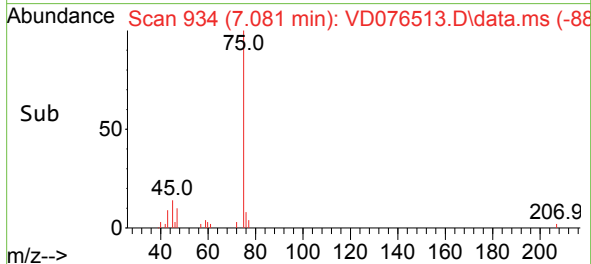
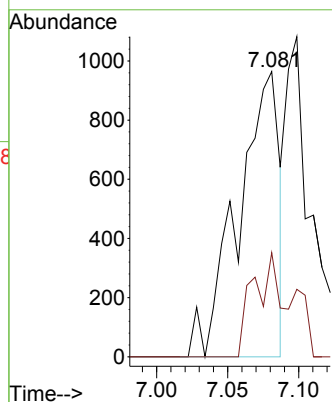
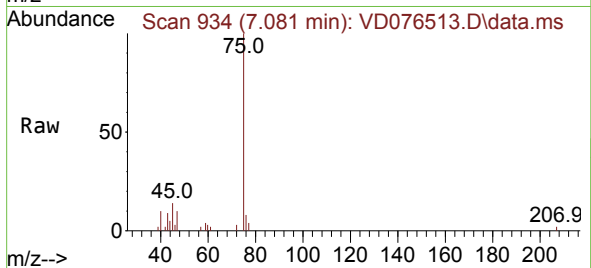
WC-2

Tgt Ion: 43 Resp: 1941

Ion Ratio Lower Upper

43 100

72 36.5 30.7 46.1



#28

Bromochloromethane

Concen: Below Cal

RT: 7.287 min Scan# 969

Delta R.T. -0.135 min

Lab File: VD076513.D

Acq: 21 Jun 2023 15:21

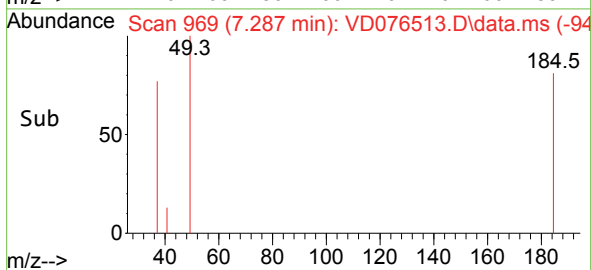
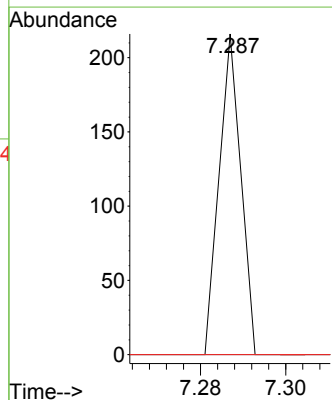
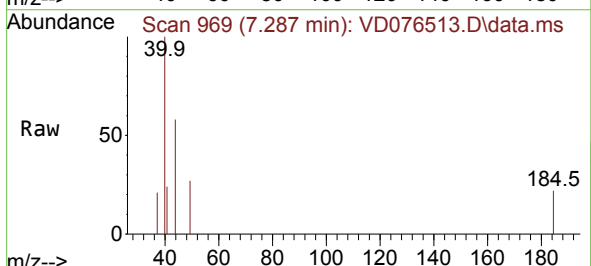
Tgt Ion: 49 Resp: 76

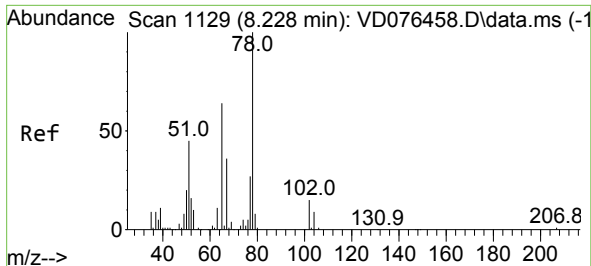
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

130 0.0 83.2 124.8#





#33

1,2-Dichloroethane-d4

Concen: 49.813 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076513.D

Acq: 21 Jun 2023 15:21

Instrument :

MSVOA_D

ClientSampleId :

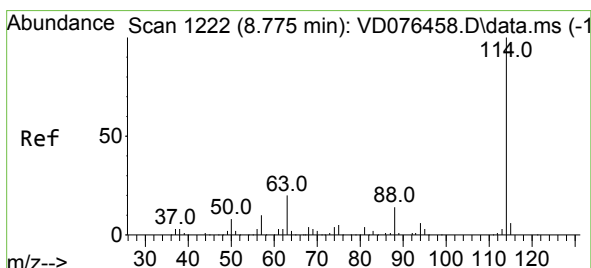
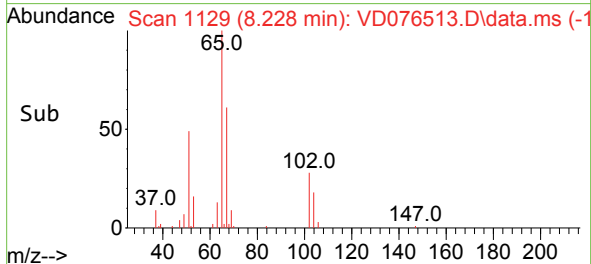
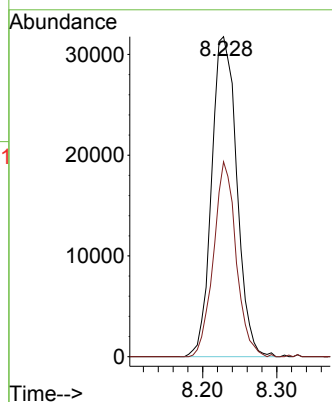
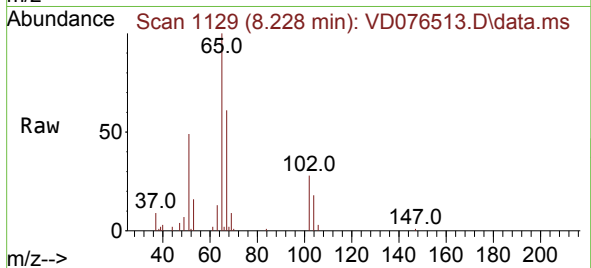
WC-2

Tgt Ion: 65 Resp: 74932

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: VD076513.D

Acq: 21 Jun 2023 15:21

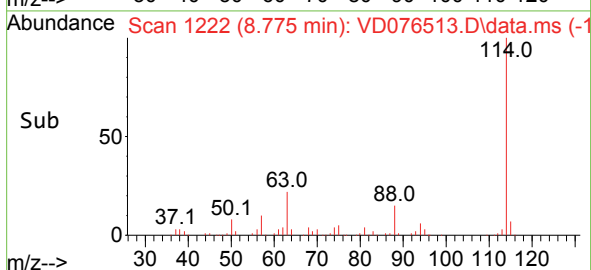
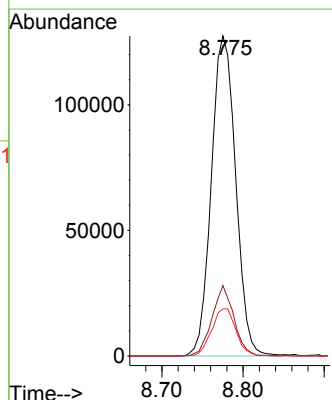
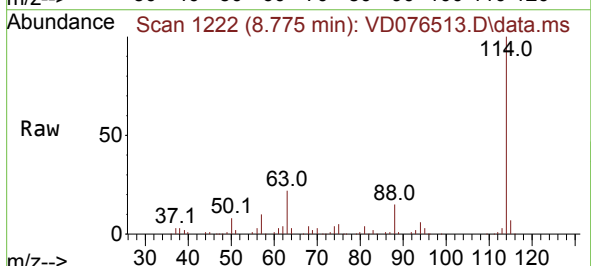
Tgt Ion: 114 Resp: 265639

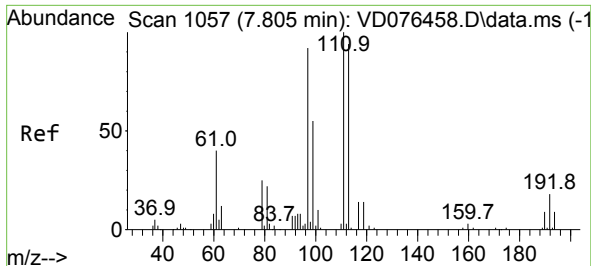
Ion Ratio Lower Upper

114 100

63 22.0 0.0 33.4

88 14.7 0.0 26.2

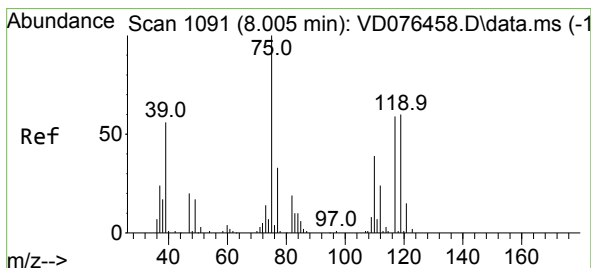
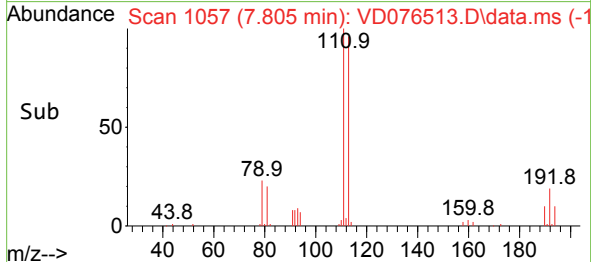
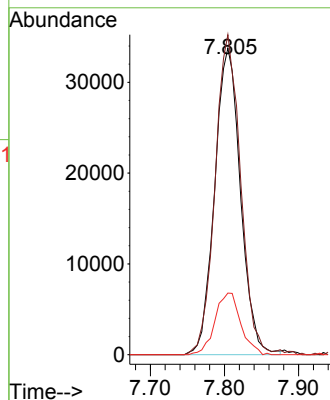
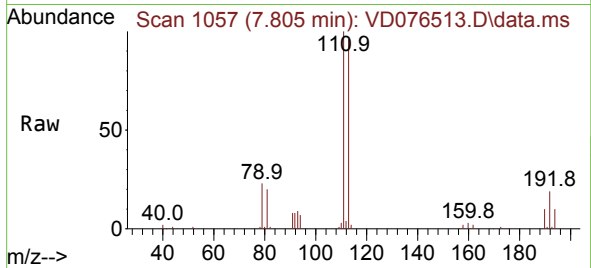




#35
Dibromofluoromethane
Concen: 51.755 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD076513.D
Acq: 21 Jun 2023 15:21

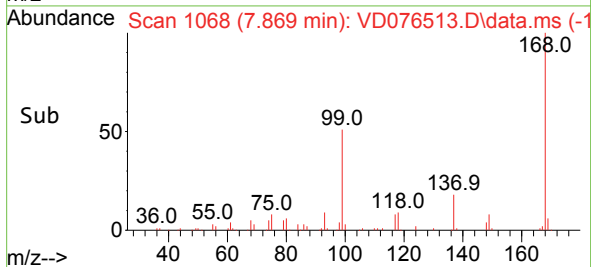
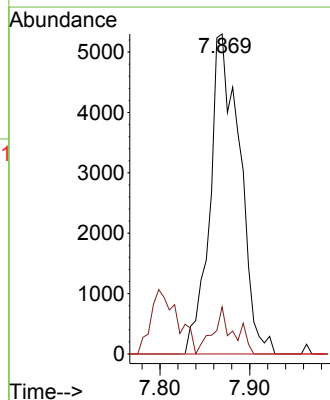
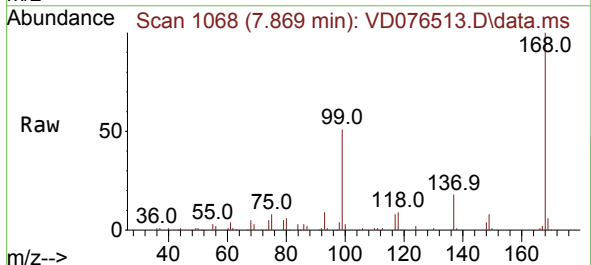
Instrument :
MSVOA_D
ClientSampleId :
WC-2

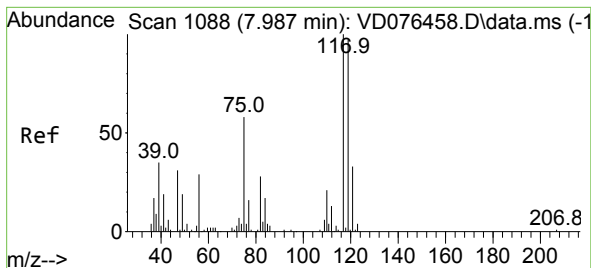
Tgt Ion:113 Resp: 81673
Ion Ratio Lower Upper
113 100
111 102.9 84.7 127.1
192 20.1 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.565 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VD076513.D
Acq: 21 Jun 2023 15:21

Tgt Ion: 75 Resp: 12298
Ion Ratio Lower Upper
75 100
110 10.1 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 7.306 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD076513.D

Acq: 21 Jun 2023 15:21

Instrument :

MSVOA_D

ClientSampleId :

WC-2

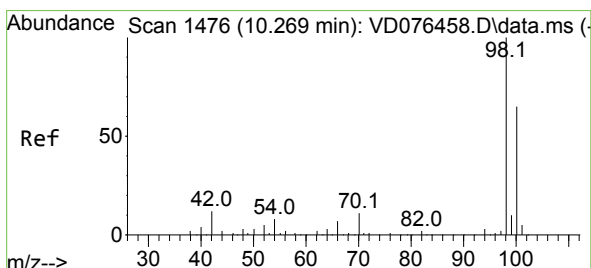
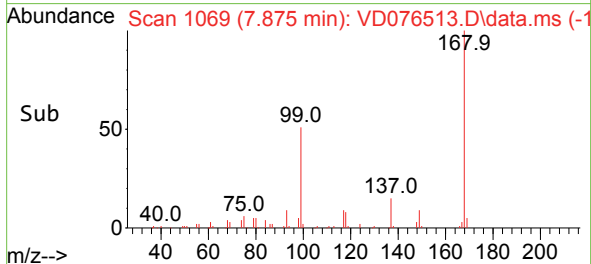
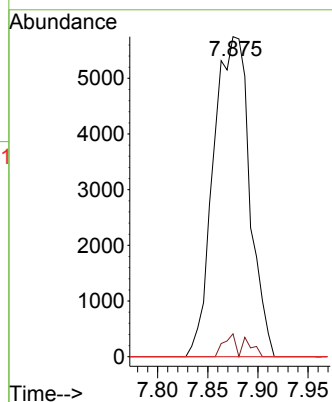
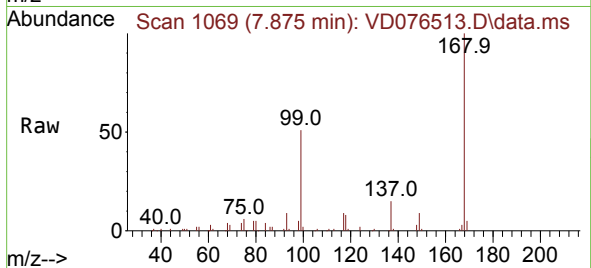
Tgt Ion:117 Resp: 14431

Ion Ratio Lower Upper

117 100

119 7.2 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 52.276 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD076513.D

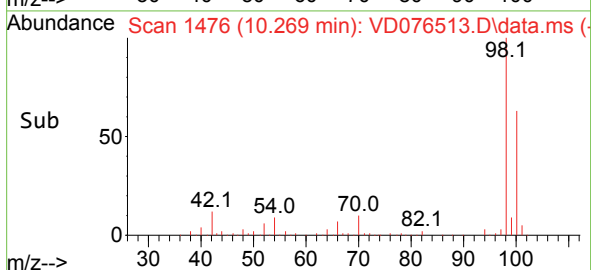
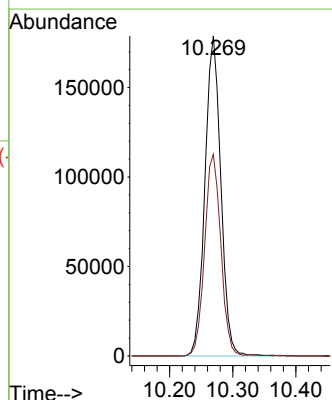
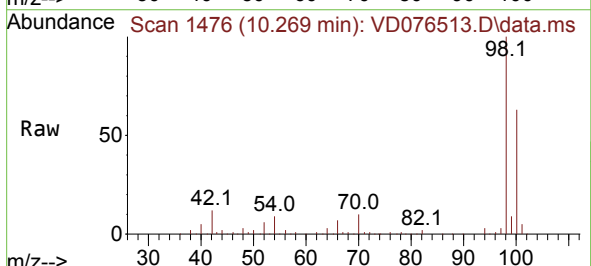
Acq: 21 Jun 2023 15:21

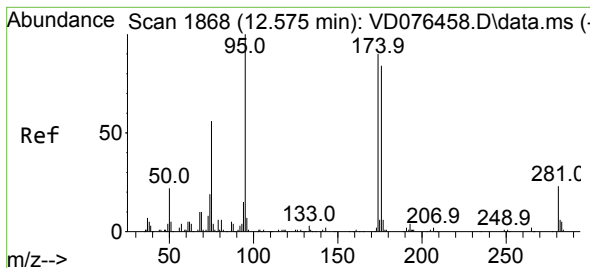
Tgt Ion: 98 Resp: 312862

Ion Ratio Lower Upper

98 100

100 64.0 50.3 75.5

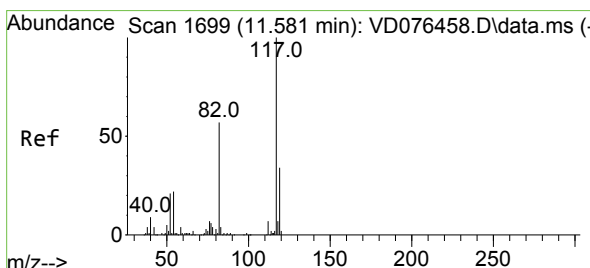
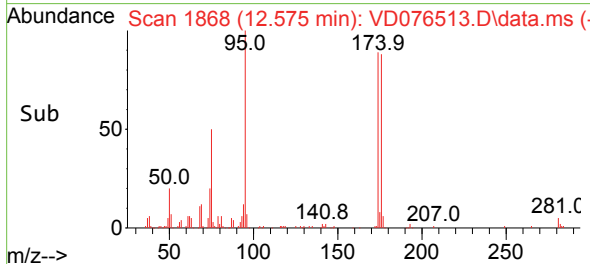
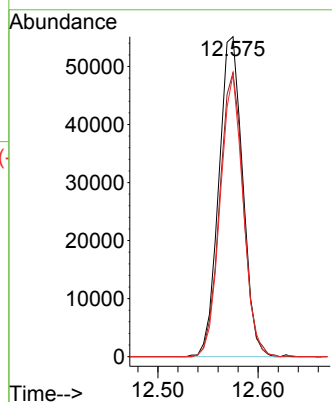
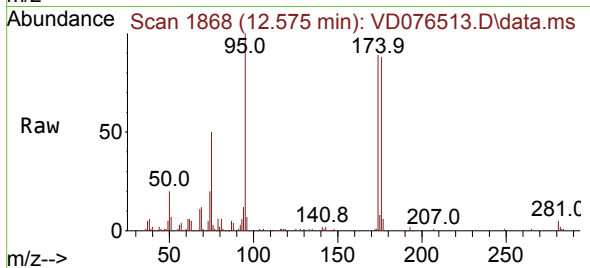




#62
4-Bromofluorobenzene
Concen: 46.907 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076513.D
Acq: 21 Jun 2023 15:21

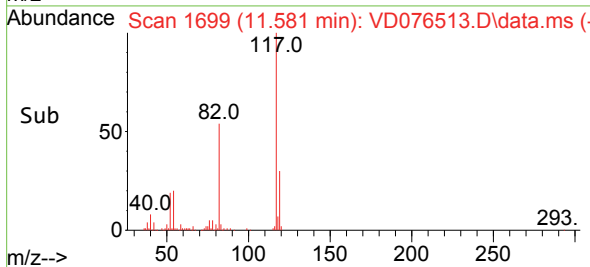
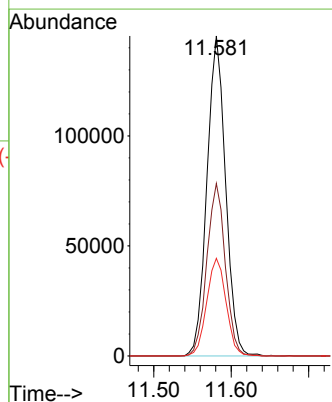
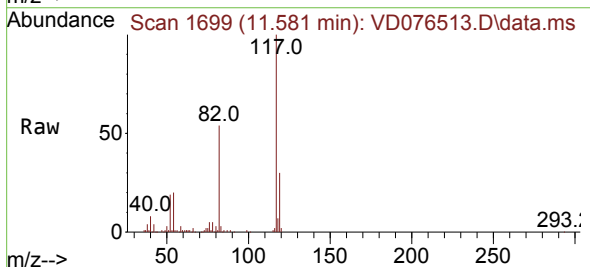
Instrument :
MSVOA_D
ClientSampleId :
WC-2

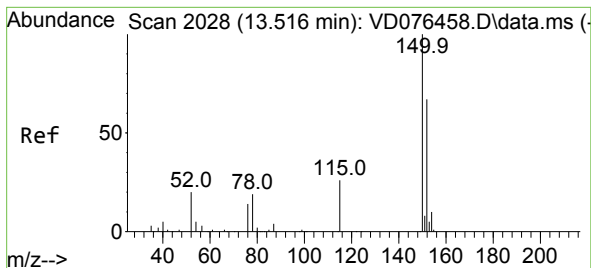
Tgt Ion: 95 Resp: 91108
Ion Ratio Lower Upper
95 100
174 87.8 0.0 201.8
176 84.4 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076513.D
Acq: 21 Jun 2023 15:21

Tgt Ion: 117 Resp: 243102
Ion Ratio Lower Upper
117 100
82 53.9 38.3 57.5
119 30.5 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: VD076513.D

Acq: 21 Jun 2023 15:21

Instrument :

MSVOA_D

ClientSampleId :

WC-2

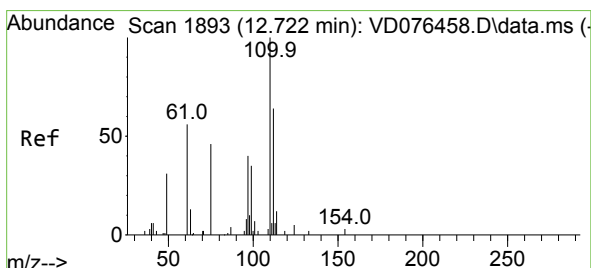
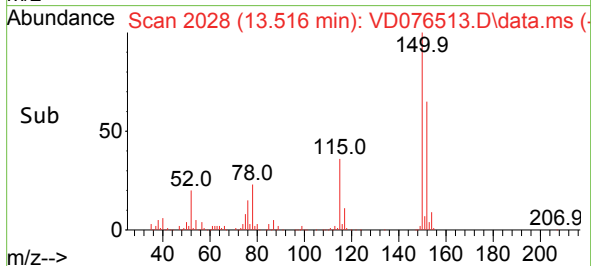
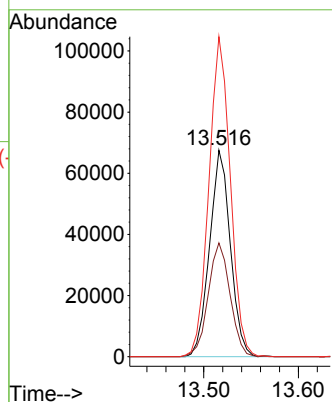
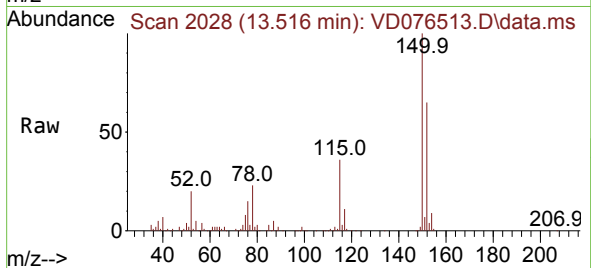
Tgt Ion:152 Resp: 102907

Ion Ratio Lower Upper

152 100

115 57.9 27.1 81.3

150 159.0 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 46.533 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD076513.D

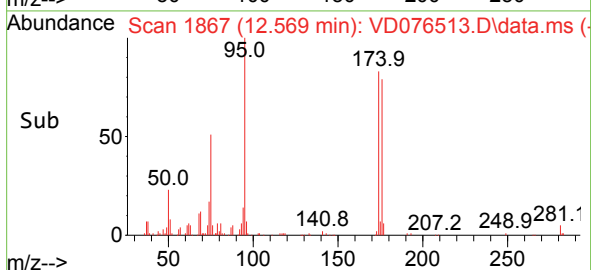
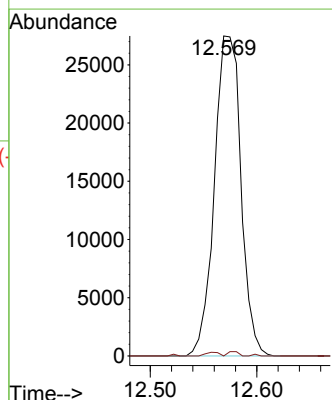
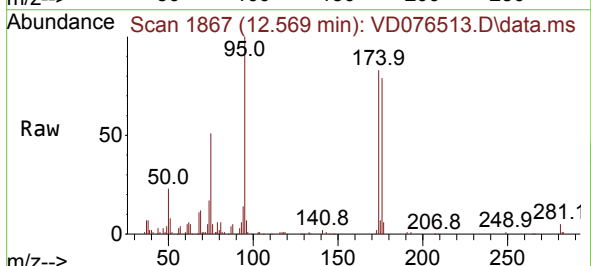
Acq: 21 Jun 2023 15:21

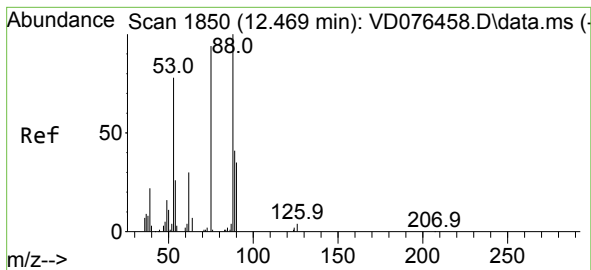
Tgt Ion: 75 Resp: 47525

Ion Ratio Lower Upper

75 100

77 0.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.964 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD076513.D
 Acq: 21 Jun 2023 15:21

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-2

Tgt Ion:	75	Resp:	47525
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

