

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
 Data File : VD072874.D
 Acq On : 07 May 2022 03:26
 Operator : VA/SY
 Sample : N2691-03
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SHALLOW-WC-1

Quant Time: May 09 01:20:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

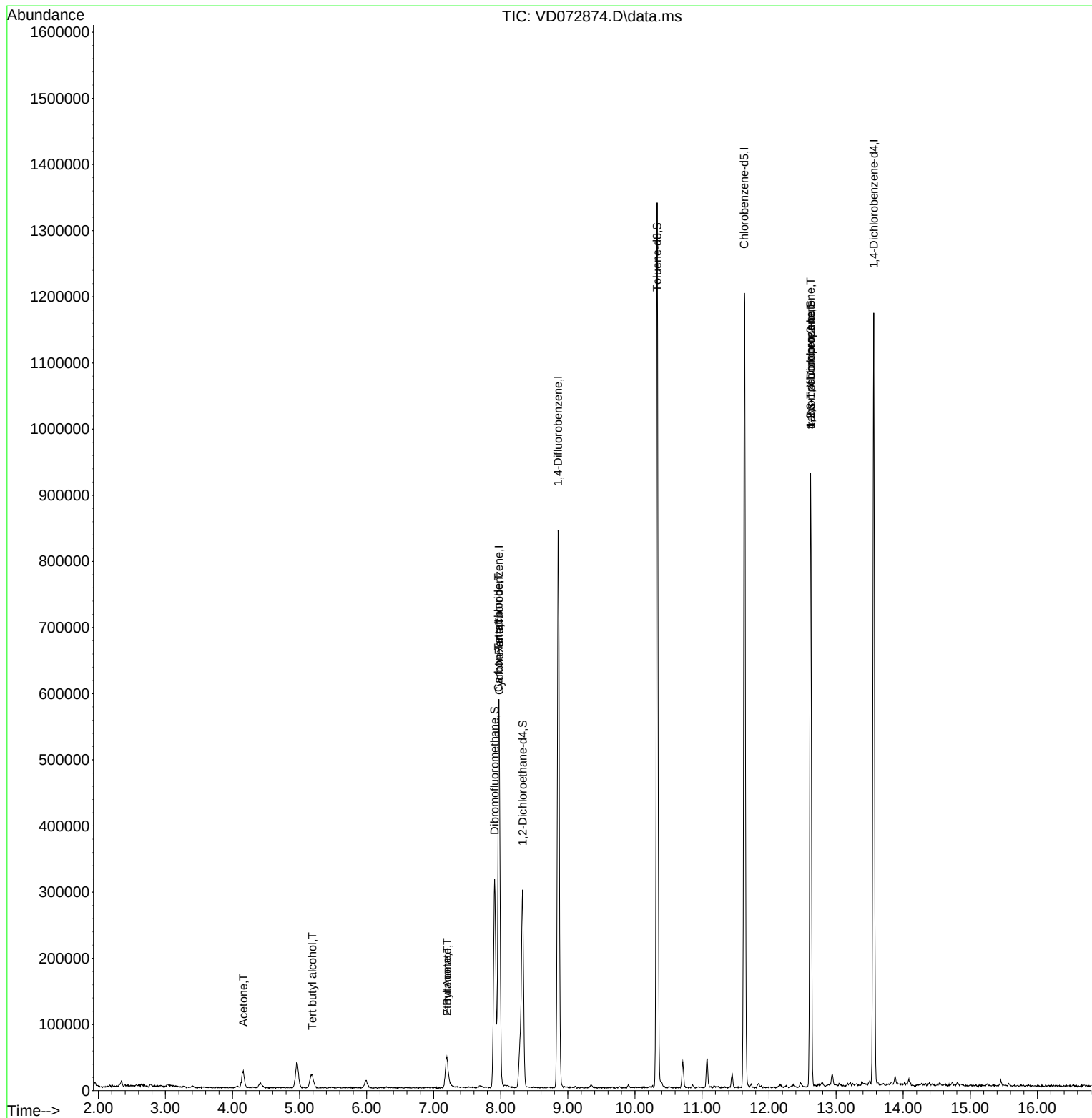
Internal Standards						
1) Pentafluorobenzene	7.973	168	403049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	714381	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	677380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	296233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	225888	43.175	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.360%
35) Dibromofluoromethane	7.908	113	228825	45.608	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.220%
50) Toluene-d8	10.332	98	867104	48.180	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.360%
62) 4-Bromofluorobenzene	12.620	95	298632	44.501	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.000%
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	2067	Below Cal		91
11) Tert butyl alcohol	5.191	59	20746	45.831	ug/l #	75
16) Acetone	4.162	43	45922	34.899	ug/l #	85
18) Methyl Acetate	4.709	43	323	Below Cal	#	55
20) Methylene Chloride	4.967	84	27808	Below Cal		89
25) 2-Butanone	7.203	43	10470	6.868	ug/l #	84
31) Cyclohexane	7.979	56	11747	1.284	ug/l #	17
37) Ethyl Acetate	7.203	43	10470	2.792	ug/l #	66
38) Carbon Tetrachloride	7.967	117	44406	5.244	ug/l #	15
76) 1,2,3-Trichloropropane	12.620	75	164292	49.737	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	164292	114.376	ug/l #	7

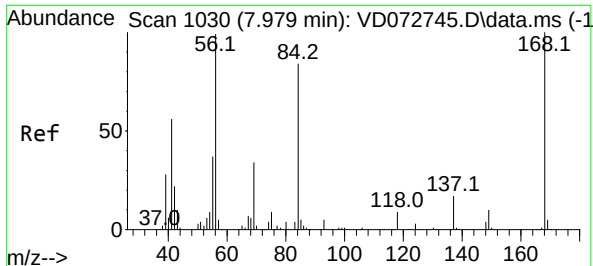
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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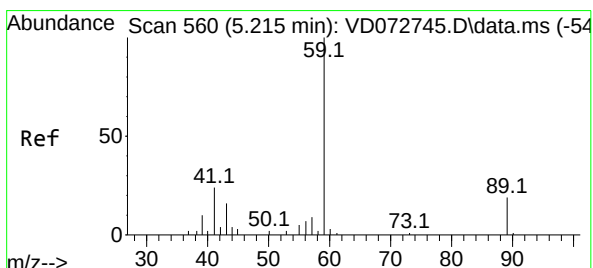
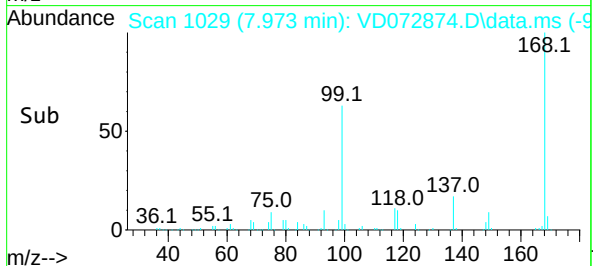
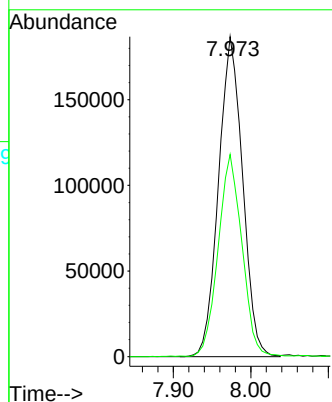
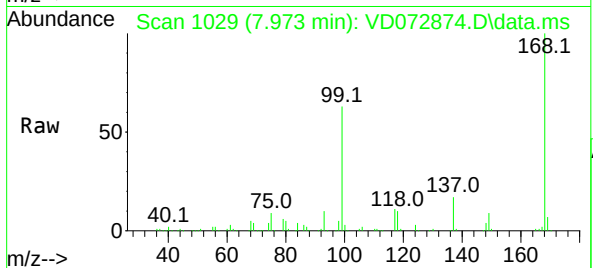




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072874.D
Acq: 07 May 2022 03:26

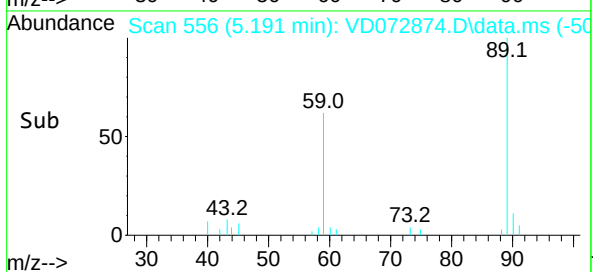
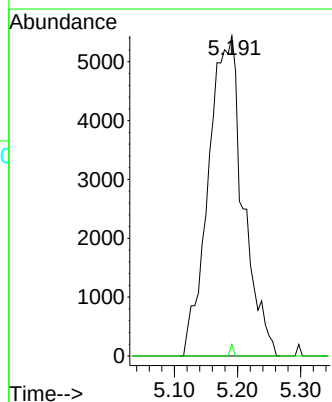
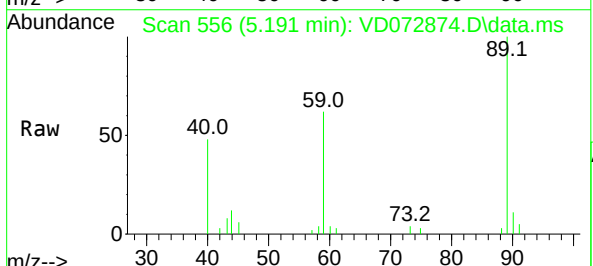
Instrument :
MSVOA_D
ClientSampleId :
SHALLOW-WC-1

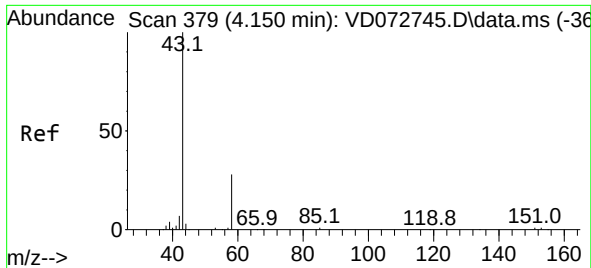
Tgt Ion:168 Resp: 403049
Ion Ratio Lower Upper
168 100
99 63.0 49.8 74.6



#11
Tert butyl alcohol
Concen: 45.831 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.024 min
Lab File: VD072874.D
Acq: 07 May 2022 03:26

Tgt Ion: 59 Resp: 20746
Ion Ratio Lower Upper
59 100
57 0.3 7.8 11.6#

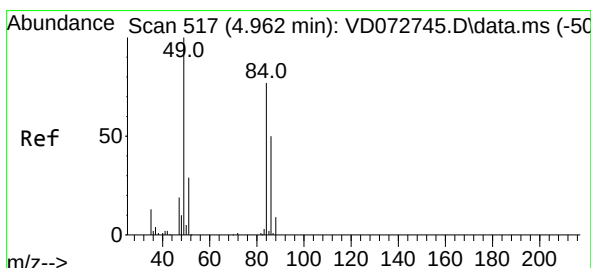
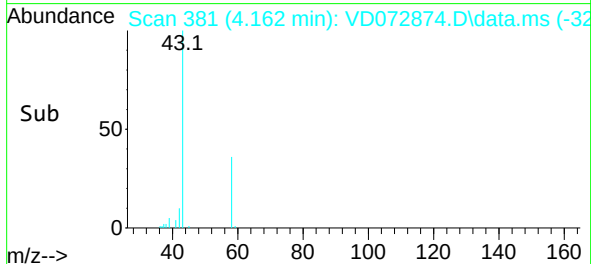
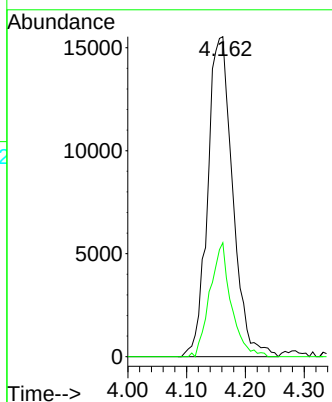
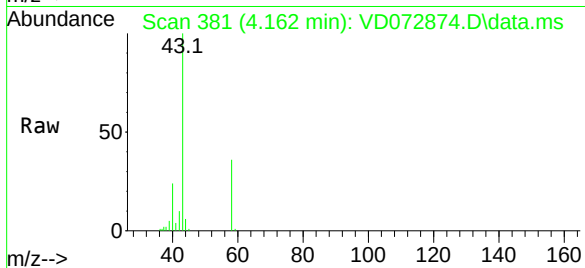




#16
Acetone
Concen: 34.899 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.012 min
Lab File: VD072874.D
Acq: 07 May 2022 03:26

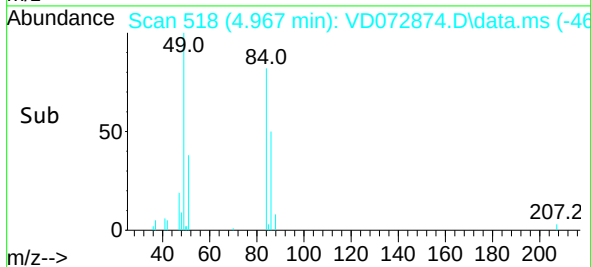
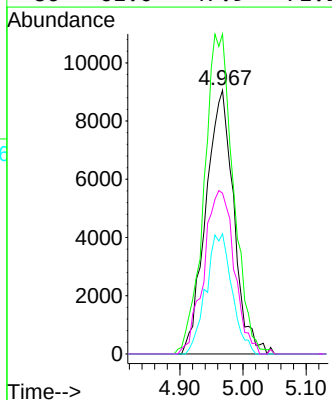
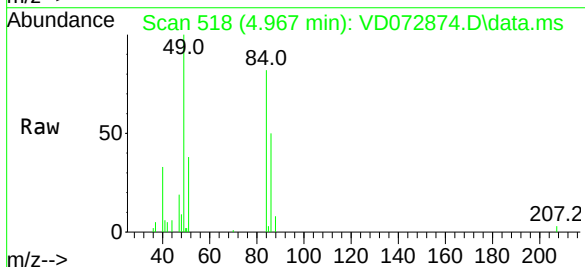
Instrument :
MSVOA_D
ClientSampleId :
SHALLOW-WC-1

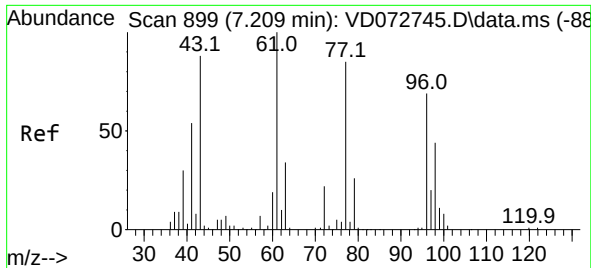
Tgt Ion: 43 Resp: 45922
Ion Ratio Lower Upper
43 100
58 35.6 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD072874.D
Acq: 07 May 2022 03:26

Tgt Ion: 84 Resp: 27808
Ion Ratio Lower Upper
84 100
49 121.3 112.8 169.2
51 45.6 32.6 48.8
86 61.0 47.9 71.9

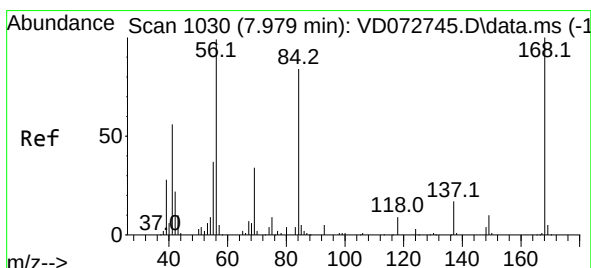
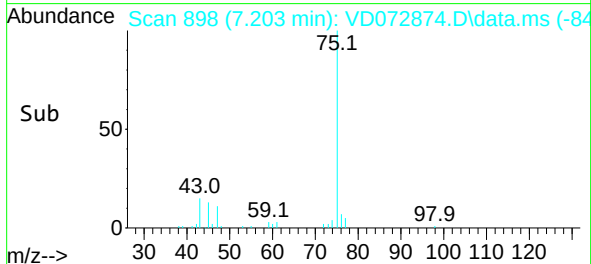
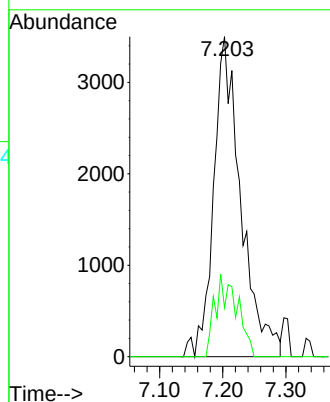
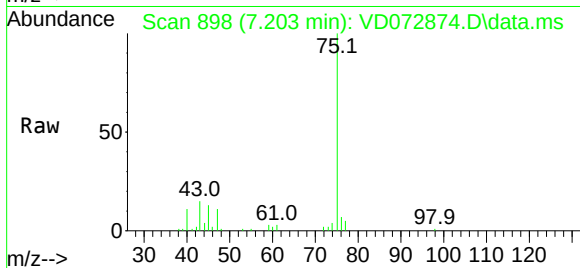




#25
2-Butanone
Concen: 6.868 ug/l
RT: 7.203 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD072874.D
Acq: 07 May 2022 03:26

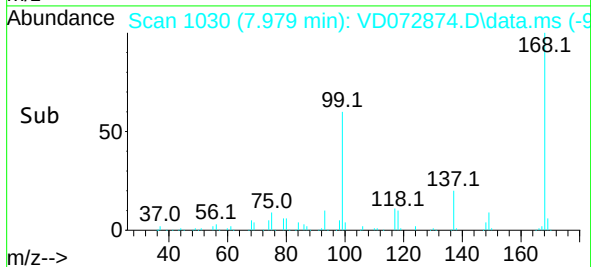
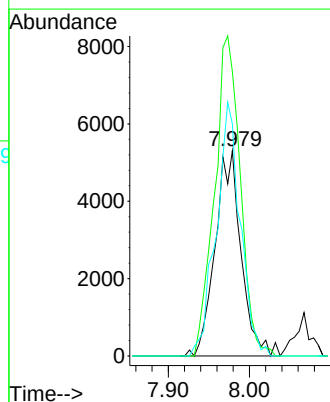
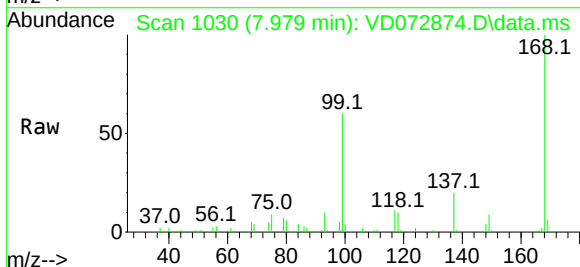
Instrument :
MSVOA_D
ClientSampleId :
SHALLOW-WC-1

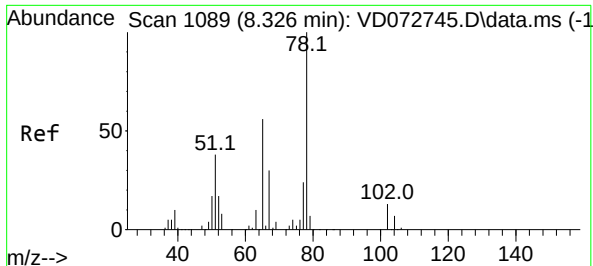
Tgt Ion: 43 Resp: 10470
Ion Ratio Lower Upper
43 100
72 15.3 18.6 27.8#



#31
Cyclohexane
Concen: 1.284 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD072874.D
Acq: 07 May 2022 03:26

Tgt Ion: 56 Resp: 11747
Ion Ratio Lower Upper
56 100
69 138.7 25.4 38.2#
84 113.2 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 43.175 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD072874.D

Acq: 07 May 2022 03:26

Instrument :

MSVOA_D

ClientSampleId :

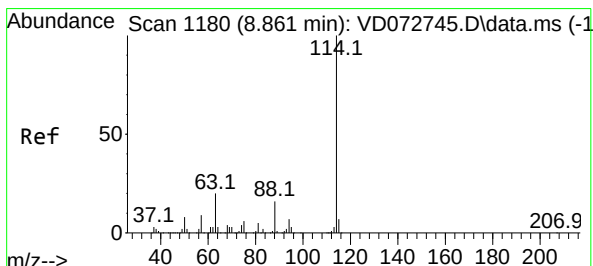
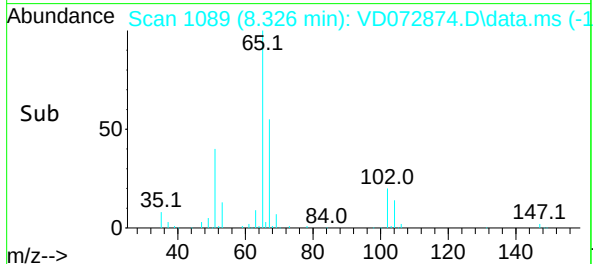
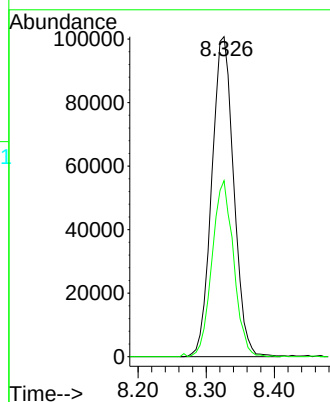
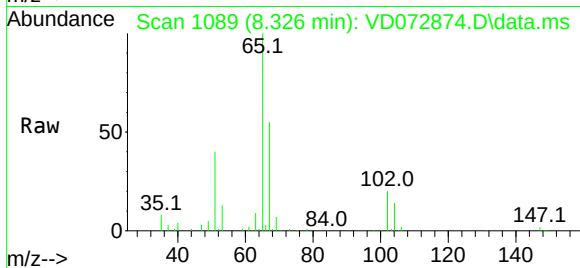
SHALLOW-WC-1

Tgt Ion: 65 Resp: 225888

Ion Ratio Lower Upper

65 100

67 54.1 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD072874.D

Acq: 07 May 2022 03:26

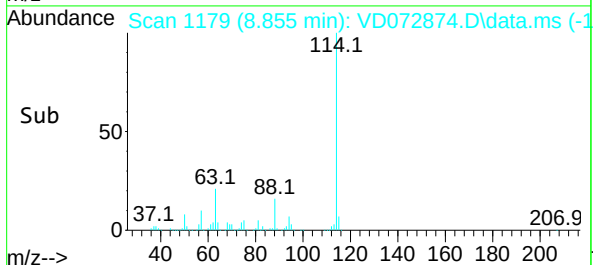
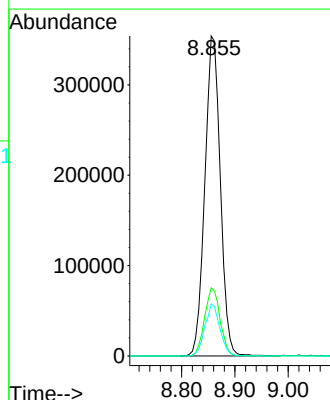
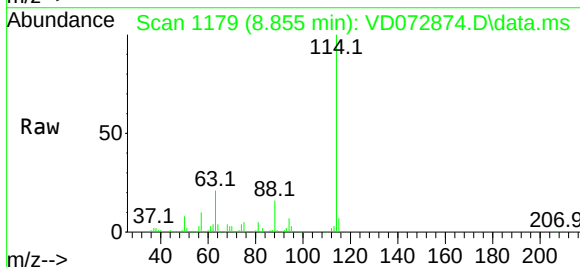
Tgt Ion: 114 Resp: 714381

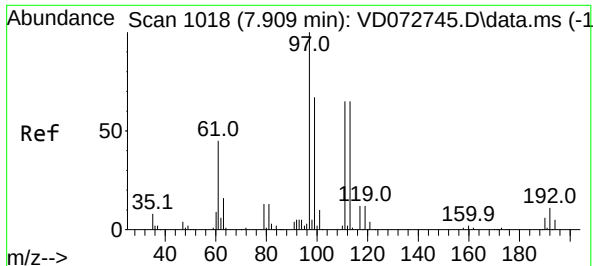
Ion Ratio Lower Upper

114 100

63 21.3 0.0 46.6

88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 45.608 ug/l

RT: 7.908 min Scan# 110

Delta R.T. -0.001 min

Lab File: VD072874.D

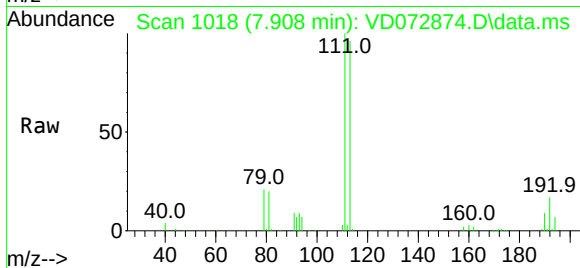
Acq: 07 May 2022 03:26

Instrument :

MSVOA_D

ClientSampleId :

SHALLOW-WC-1



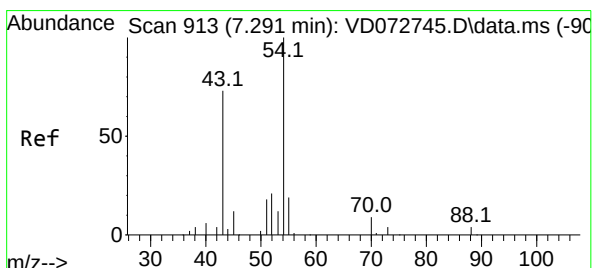
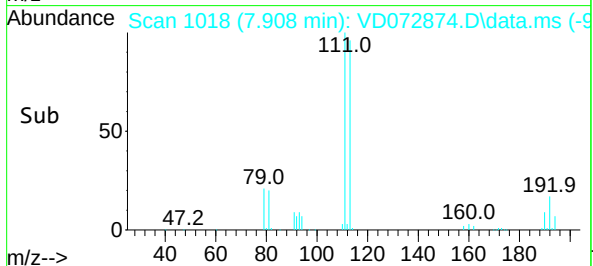
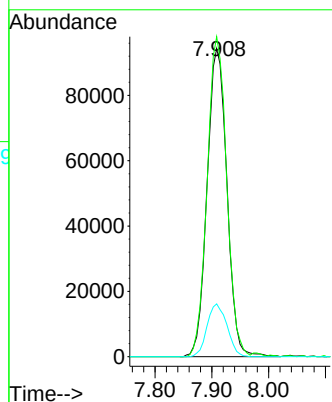
Tgt Ion:113 Resp: 228825

Ion Ratio Lower Upper

113 100

111 102.0 83.8 125.6

192 17.2 14.6 21.8



#37

Ethyl Acetate

Concen: 2.792 ug/l

RT: 7.203 min Scan# 898

Delta R.T. -0.088 min

Lab File: VD072874.D

Acq: 07 May 2022 03:26

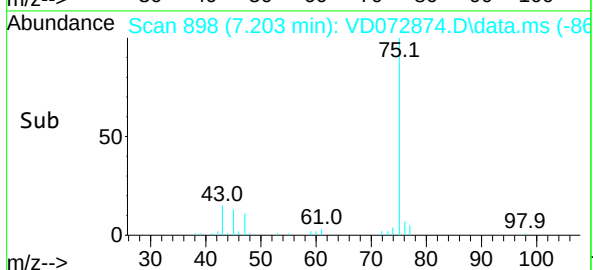
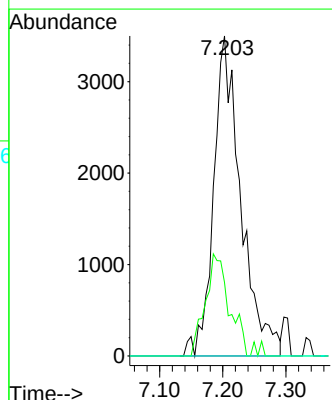
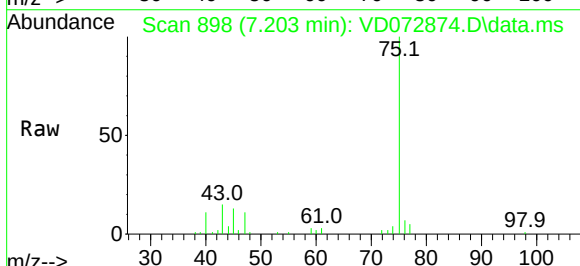
Tgt Ion: 43 Resp: 10470

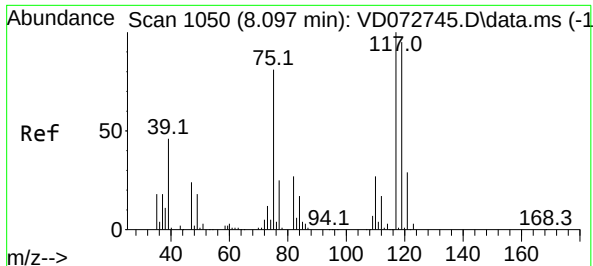
Ion Ratio Lower Upper

43 100

61 28.0 9.8 14.8#

70 0.0 6.9 10.3#

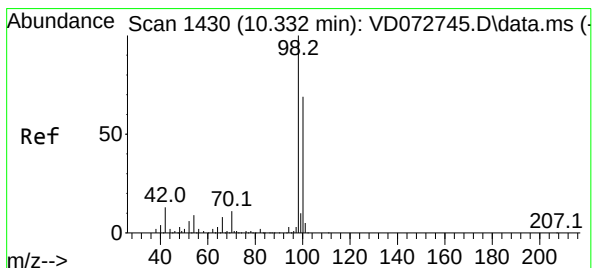
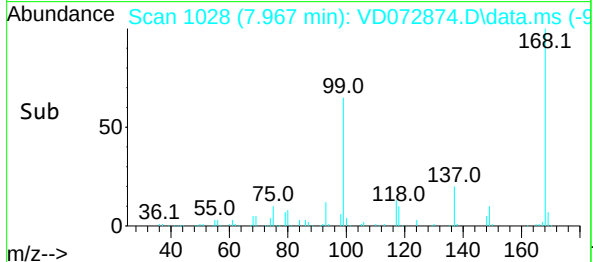
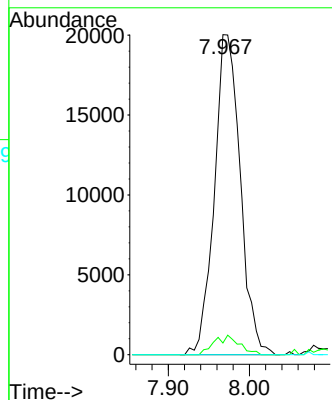
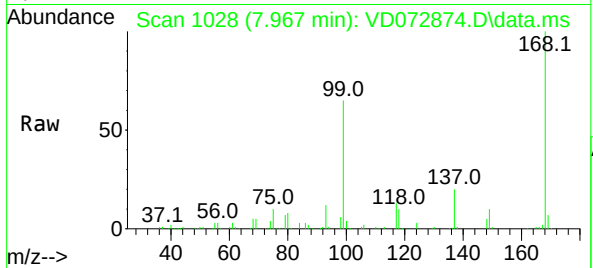




#38
Carbon Tetrachloride
Concen: 5.244 ug/l
RT: 7.967 min Scan# 1050
Delta R.T. -0.130 min
Lab File: VD072874.D
Acq: 07 May 2022 03:26

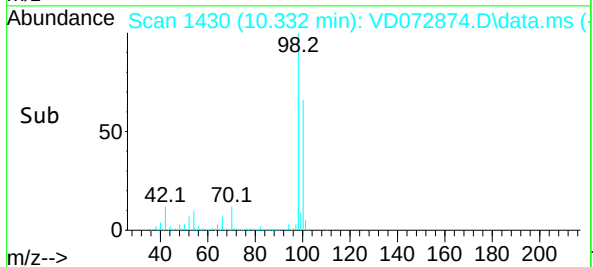
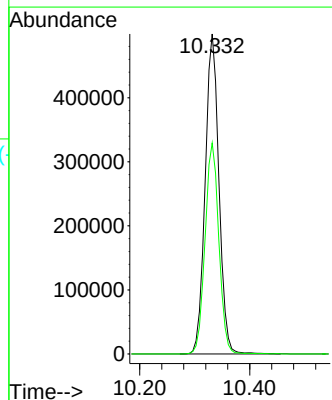
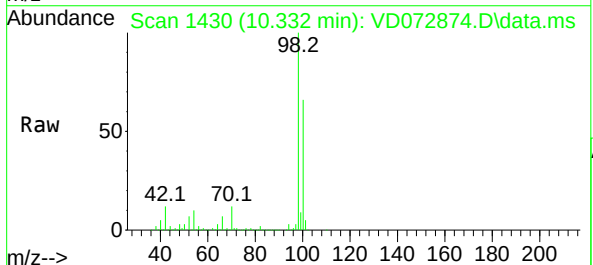
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SHALLOW-WC-1

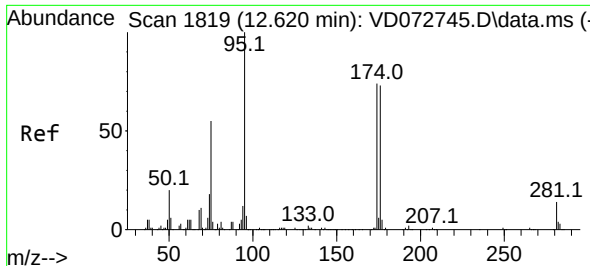
Tgt Ion:117 Resp: 44406
Ion Ratio Lower Upper
117 100
119 3.6 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.180 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072874.D
Acq: 07 May 2022 03:26

Tgt Ion: 98 Resp: 867104
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6

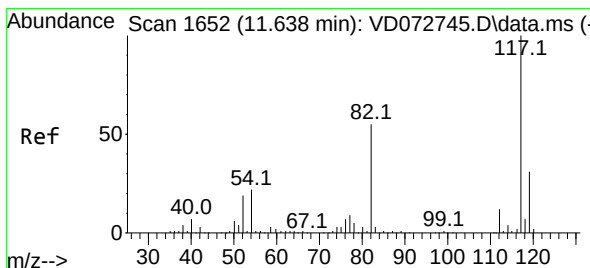
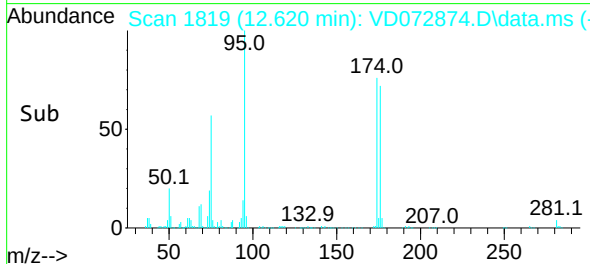
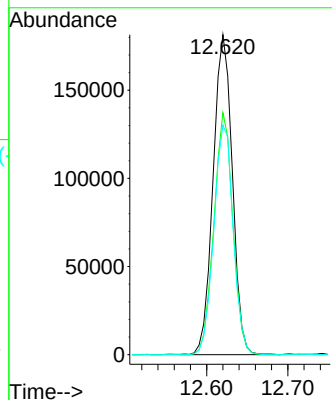
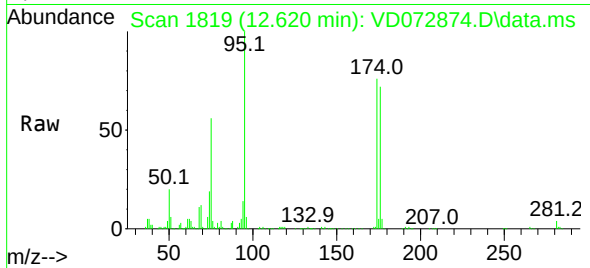




#62
4-Bromofluorobenzene
Concen: 44.501 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072874.D
Acq: 07 May 2022 03:26

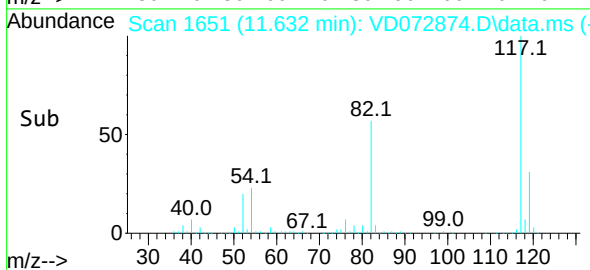
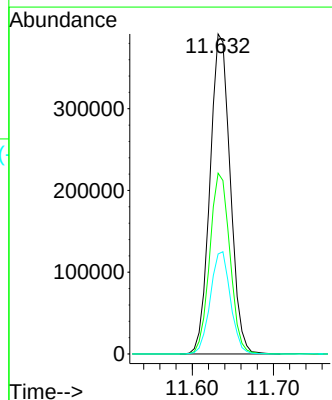
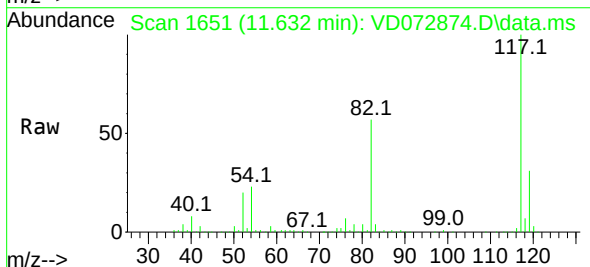
Instrument :
MSVOA_D
ClientSampleId :
SHALLOW-WC-1

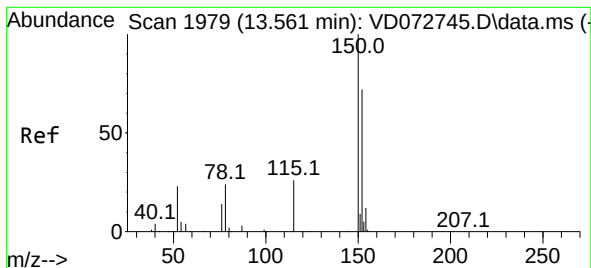
Tgt Ion: 95 Resp: 298632
Ion Ratio Lower Upper
95 100
174 74.7 0.0 152.8
176 72.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD072874.D
Acq: 07 May 2022 03:26

Tgt Ion: 117 Resp: 677380
Ion Ratio Lower Upper
117 100
82 56.5 45.3 67.9
119 31.3 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD072874.D

Acq: 07 May 2022 03:26

Instrument :

MSVOA_D

ClientSampleId :

SHALLOW-WC-1

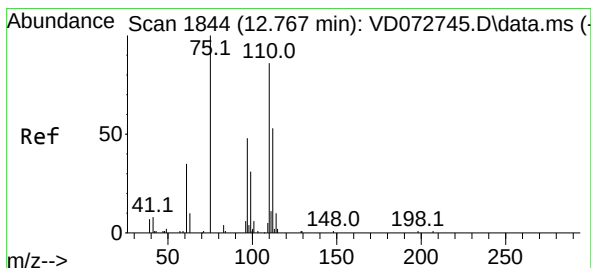
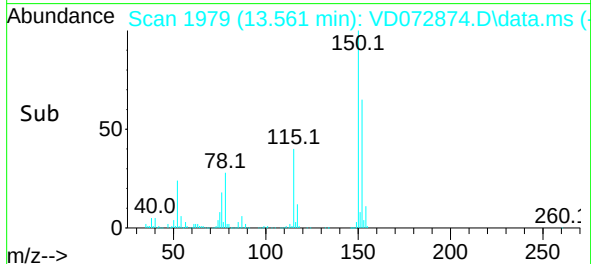
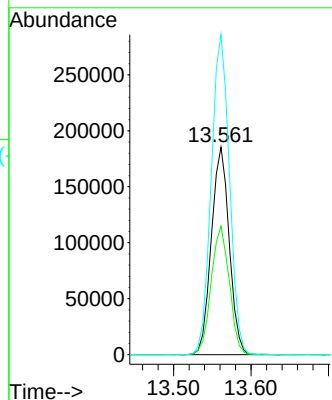
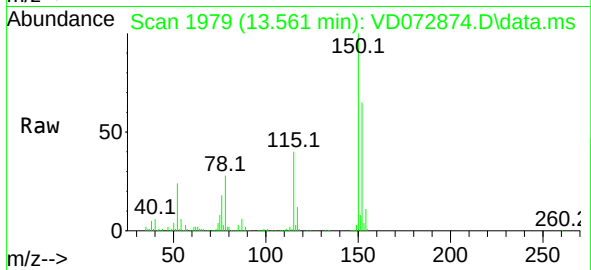
Tgt Ion:152 Resp: 296233

Ion Ratio Lower Upper

152 100

115 62.9 31.3 93.8

150 157.1 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 49.737 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD072874.D

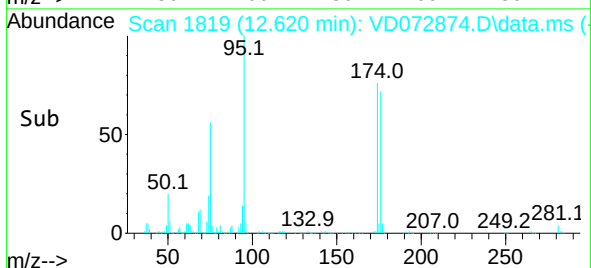
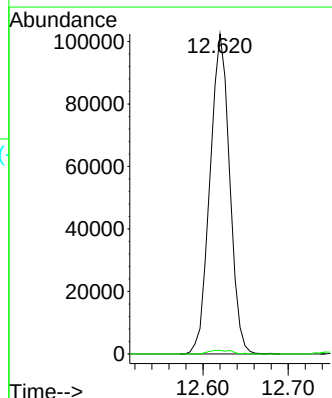
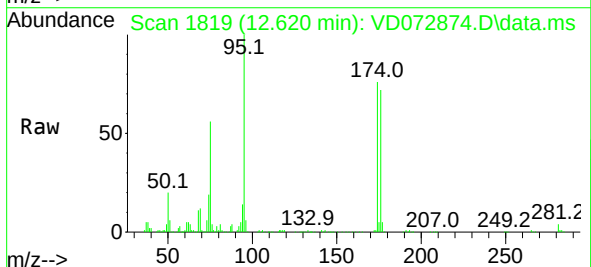
Acq: 07 May 2022 03:26

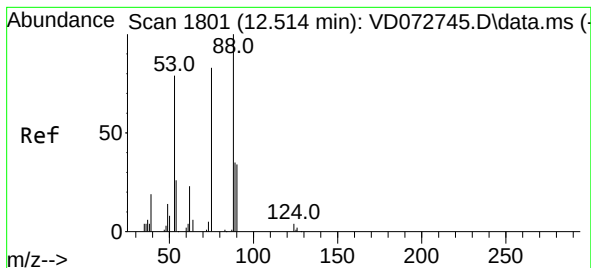
Tgt Ion: 75 Resp: 164292

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 114.376 ug/l

RT: 12.620 min Scan# 11

Delta R.T. 0.106 min

Lab File: VD072874.D

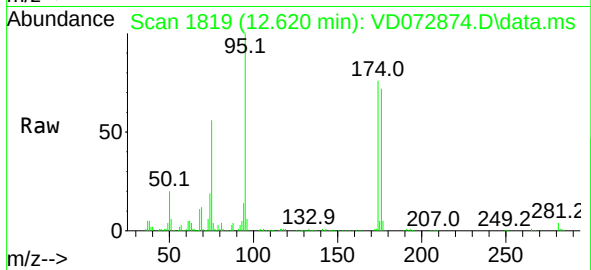
Acq: 07 May 2022 03:26

Instrument :

MSVOA_D

ClientSampleId :

SHALLOW-WC-1



Tgt Ion: 75 Resp: 164292

Ion Ratio Lower Upper

75 100

53 0.1 86.5 129.7#

89 0.1 33.9 50.9#

