

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042522\
 Data File : VD072706.D
 Acq On : 25 Apr 2022 14:02
 Operator : VA/SY
 Sample : N2480-15
 Misc : 6.50G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-16-1A-4

Quant Time: Apr 26 01:14:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

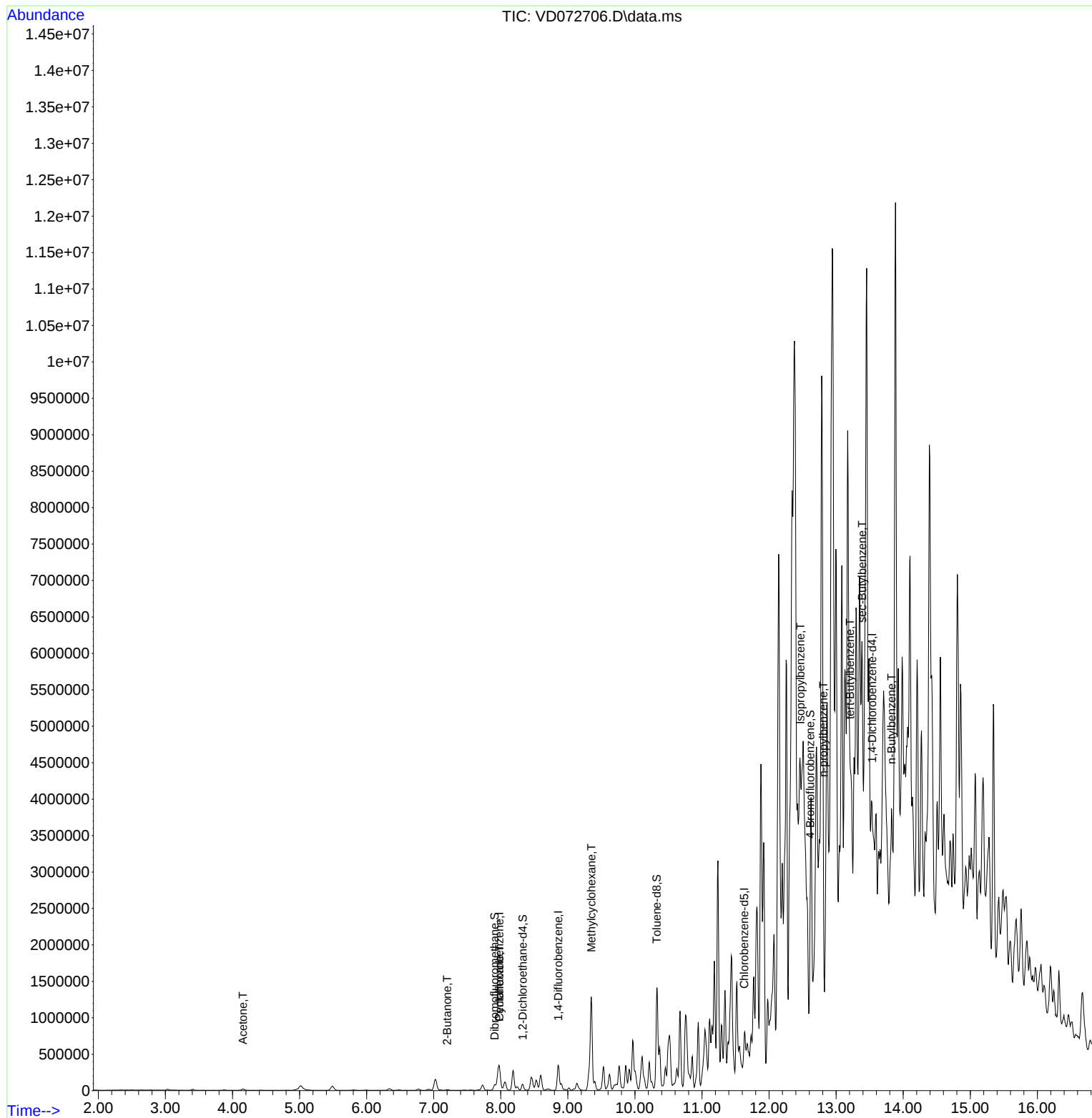
Internal Standards						
1) Pentafluorobenzene	7.979	168	83006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	155173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	136982	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.537	152	65480	50.000	ug/l	#-0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	64526	64.261	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.520%	
35) Dibromofluoromethane	7.908	113	53630	44.472	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 88.940%	
50) Toluene-d8	10.326	98	240500	57.374	ug/l	-0.01
Spiked Amount	50.000	Range	49 - 140	Recovery	= 114.740%	
62) 4-Bromofluorobenzene	12.614	95	324652	198.310	ug/l	-0.01
Spiked Amount	50.000	Range	25 - 144	Recovery	= 396.620%#	
Target Compounds						
					Qvalue	
16) Acetone	4.156	43	29935	159.879	ug/l	91
25) 2-Butanone	7.203	43	12438	48.032	ug/l	94
31) Cyclohexane	7.979	56	128543	97.903	ug/l	96
39) Methylcyclohexane	9.349	83	558411	296.118	ug/l	96
73) Isopropylbenzene	12.467	105	496168	93.825	ug/l	100
78) n-propylbenzene	12.808	91	508168	79.656	ug/l	98
83) tert-Butylbenzene	13.208	119	143475	36.592	ug/l	86
85) sec-Butylbenzene	13.390	105	873613	147.920	ug/l #	65
89) n-Butylbenzene	13.826	91	409663	89.083	ug/l #	87

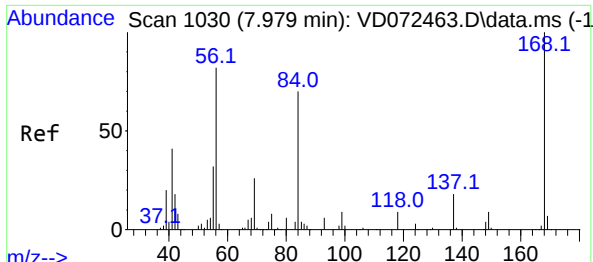
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD072706.D

Acq: 25 Apr 2022 14:02

Instrument :

MSVOA_D

ClientSampleId :

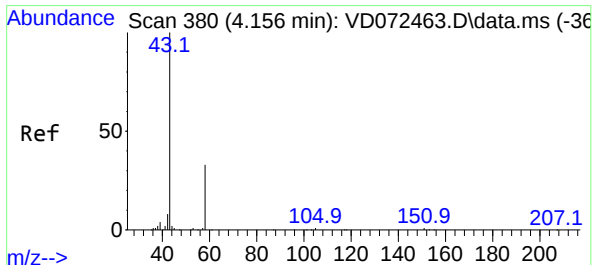
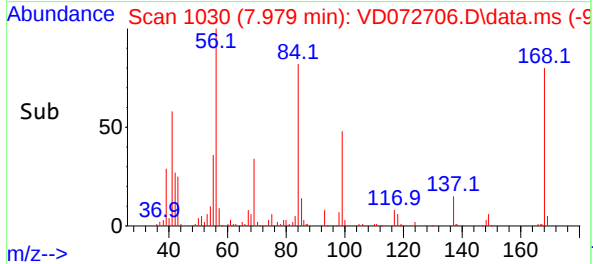
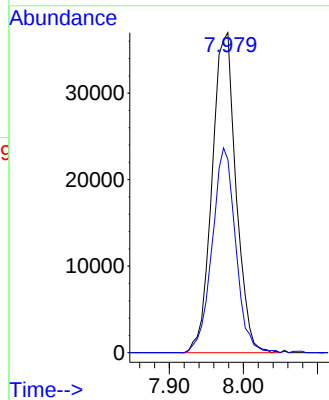
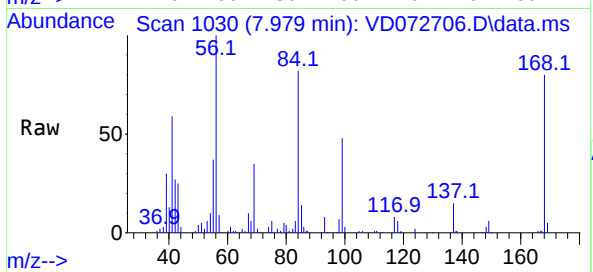
WC-16-1A-4

Tgt Ion:168 Resp: 83006

Ion Ratio Lower Upper

168 100

99 60.3 49.8 74.6



#16

Acetone

Concen: 159.879 ug/l

RT: 4.156 min Scan# 380

Delta R.T. -0.000 min

Lab File: VD072706.D

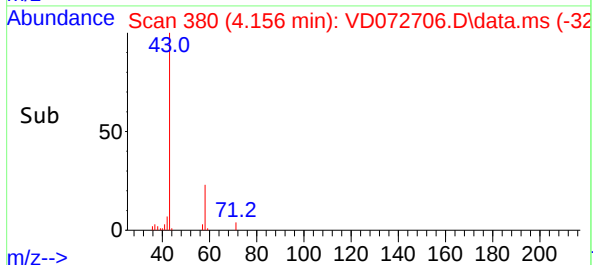
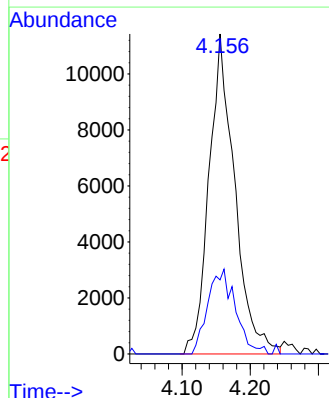
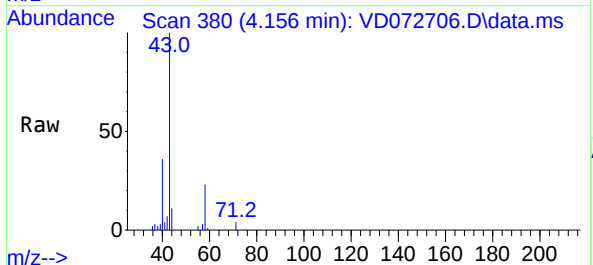
Acq: 25 Apr 2022 14:02

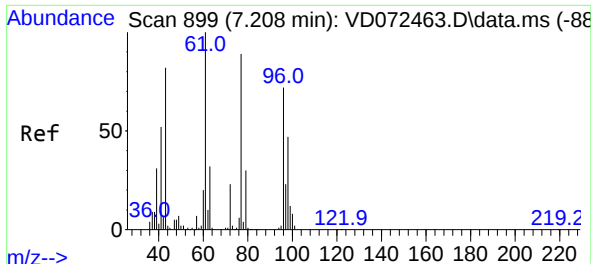
Tgt Ion: 43 Resp: 29935

Ion Ratio Lower Upper

43 100

58 23.1 22.1 33.1

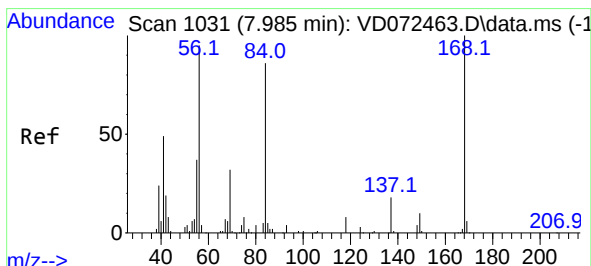
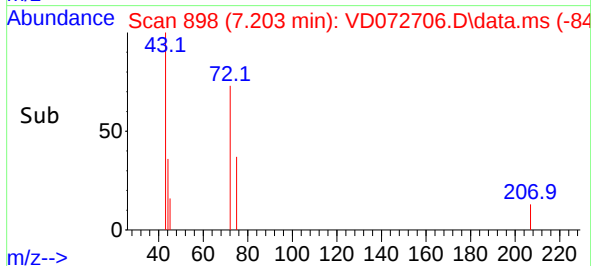
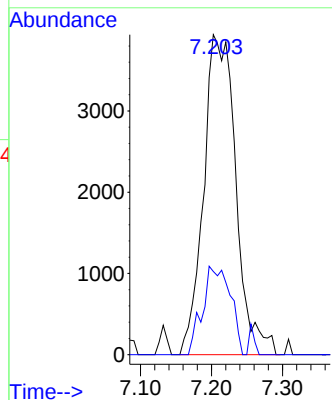
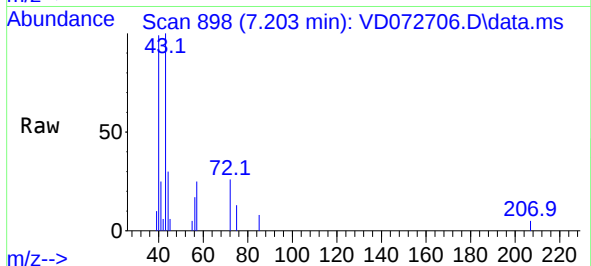




#25
2-Butanone
Concen: 48.032 ug/l
RT: 7.203 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD072706.D
Acq: 25 Apr 2022 14:02

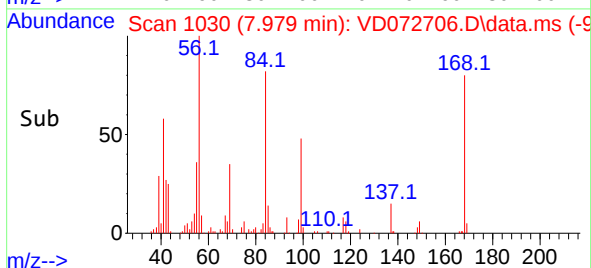
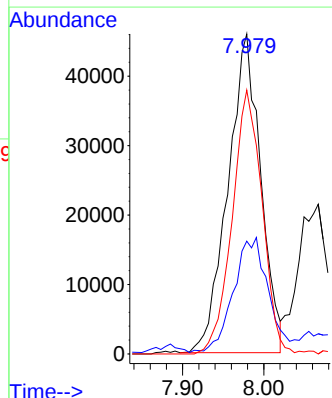
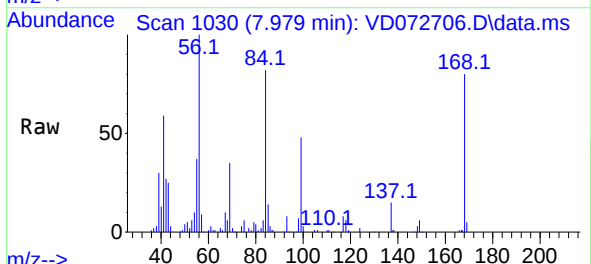
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-4

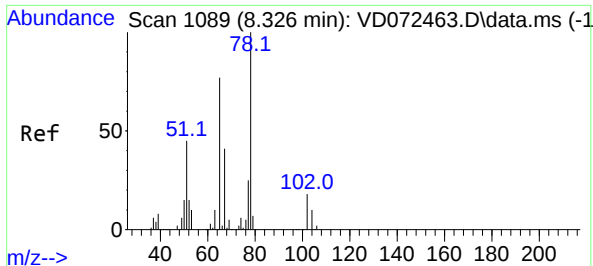
Tgt Ion: 43 Resp: 12438
Ion Ratio Lower Upper
43 100
72 26.0 18.6 27.8



#31
Cyclohexane
Concen: 97.903 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072706.D
Acq: 25 Apr 2022 14:02

Tgt Ion: 56 Resp: 128543
Ion Ratio Lower Upper
56 100
69 33.8 25.4 38.2
84 82.8 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 64.261 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VD072706.D

Acq: 25 Apr 2022 14:02

Instrument :

MSVOA_D

ClientSampleId :

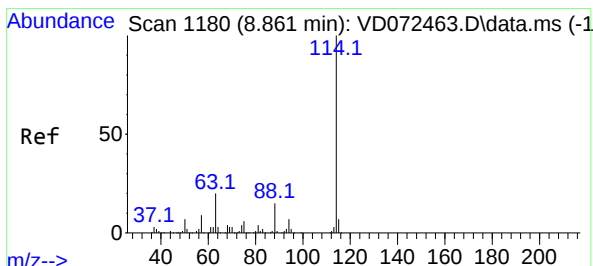
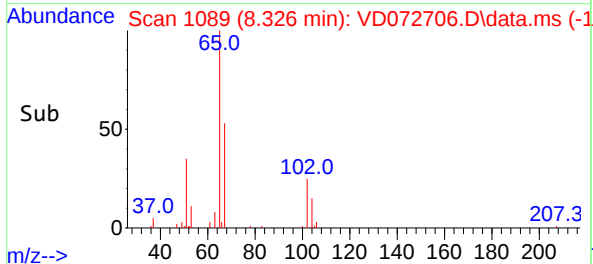
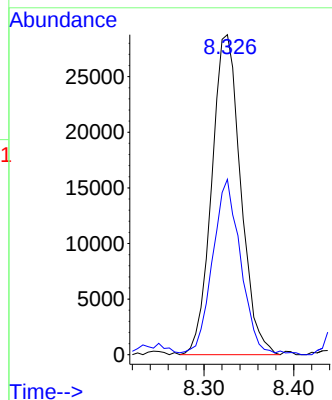
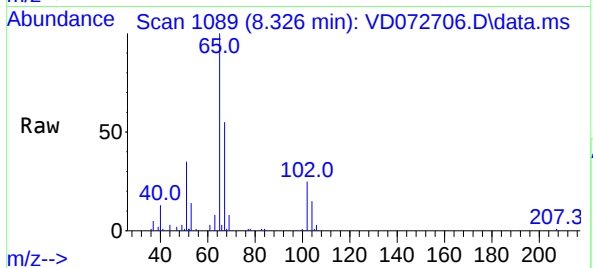
WC-16-1A-4

Tgt Ion: 65 Resp: 64526

Ion Ratio Lower Upper

65 100

67 53.5 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: VD072706.D

Acq: 25 Apr 2022 14:02

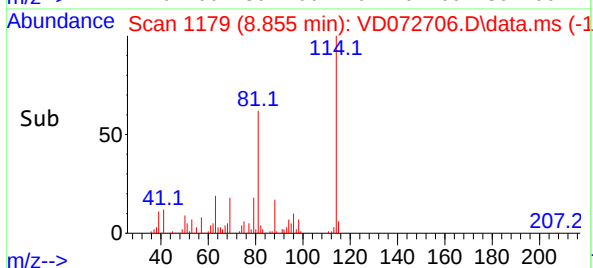
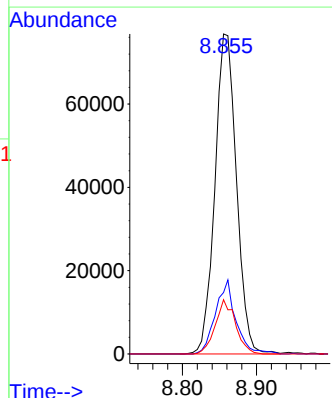
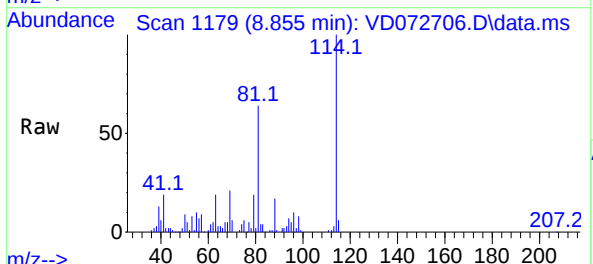
Tgt Ion: 114 Resp: 155173

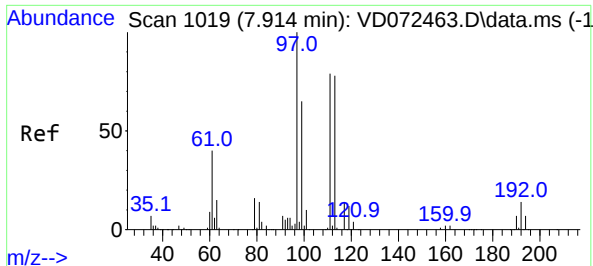
Ion Ratio Lower Upper

114 100

63 19.2 0.0 46.6

88 17.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 44.472 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072706.D

Acq: 25 Apr 2022 14:02

Instrument :

MSVOA_D

ClientSampleId :

WC-16-1A-4

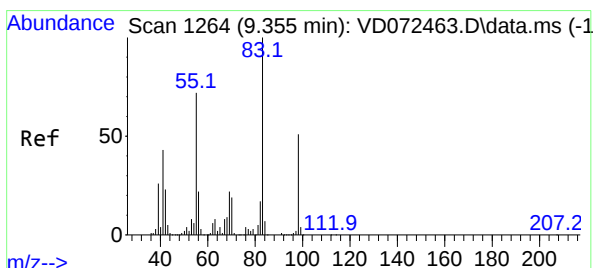
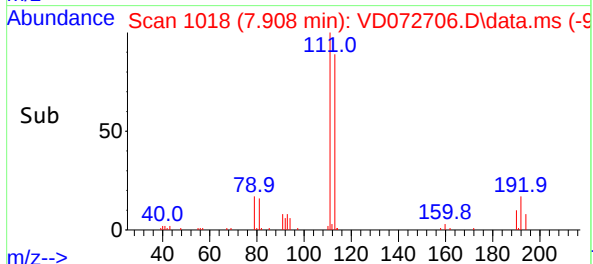
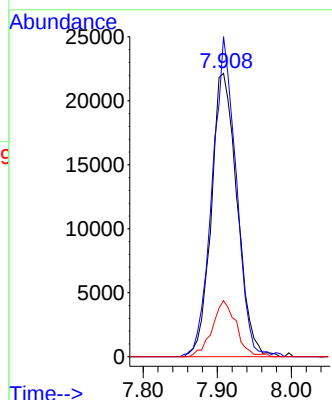
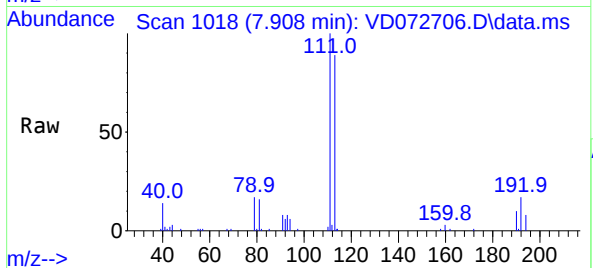
Tgt Ion:113 Resp: 53630

Ion Ratio Lower Upper

113 100

111 104.7 83.8 125.6

192 18.5 14.6 21.8



#39

Methylcyclohexane

Concen: 296.118 ug/l

RT: 9.349 min Scan# 1263

Delta R.T. -0.006 min

Lab File: VD072706.D

Acq: 25 Apr 2022 14:02

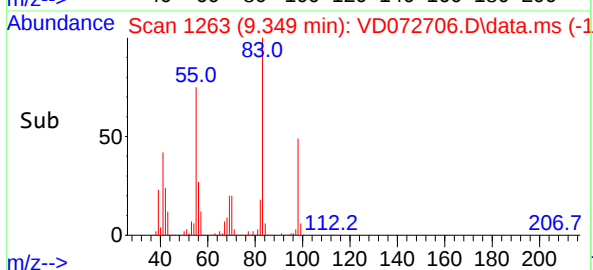
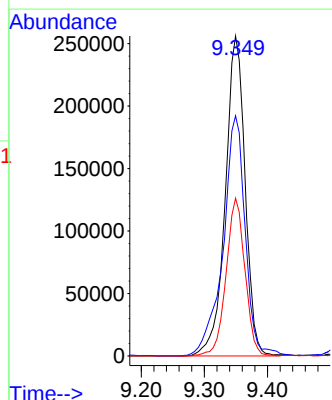
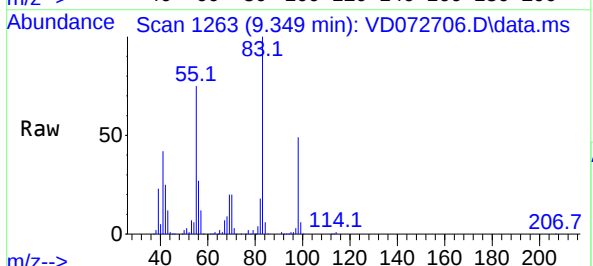
Tgt Ion: 83 Resp: 558411

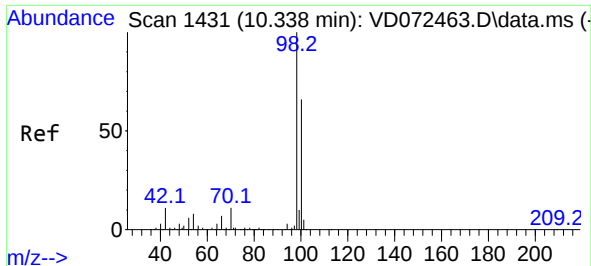
Ion Ratio Lower Upper

83 100

55 75.0 63.2 94.8

98 49.3 38.2 57.4

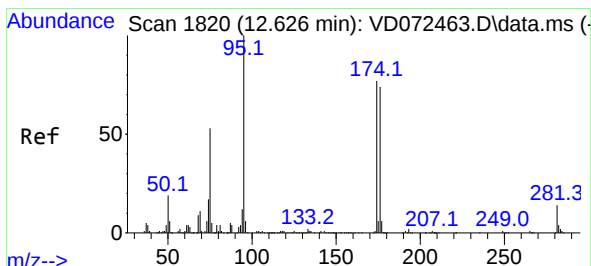
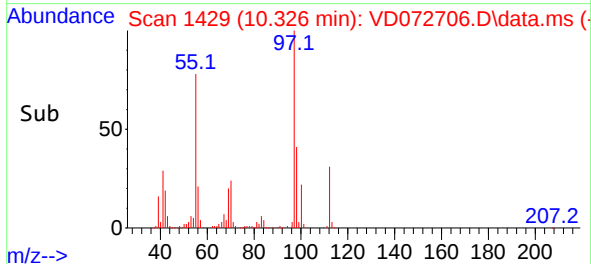
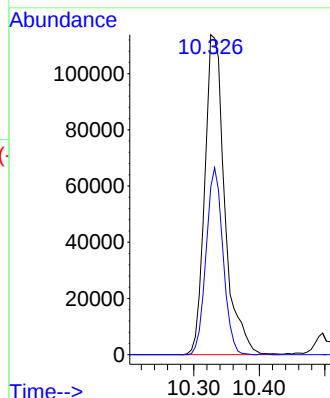
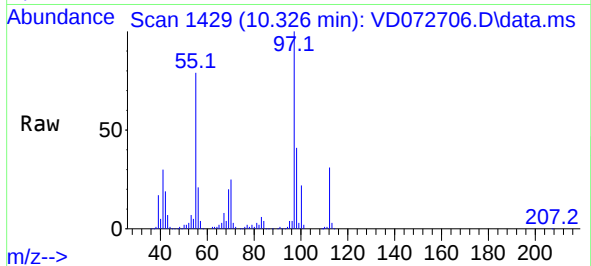




#50
Toluene-d8
Concen: 57.374 ug/l
RT: 10.326 min Scan# 1431
Delta R.T. -0.012 min
Lab File: VD072706.D
Acq: 25 Apr 2022 14:02

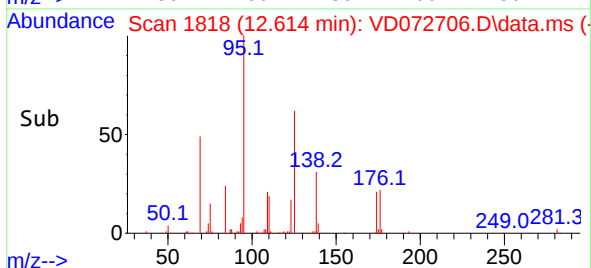
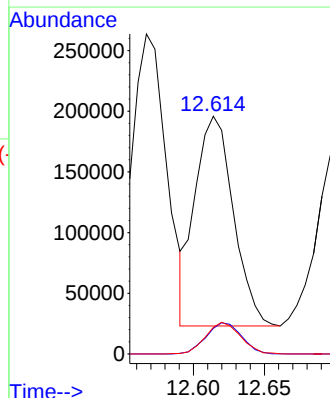
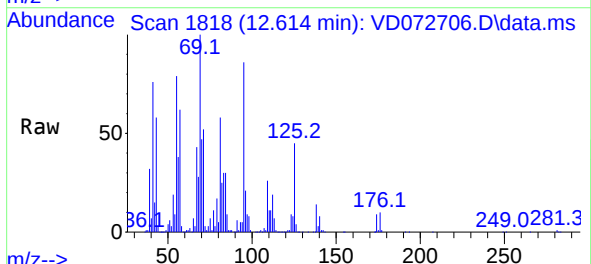
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-4

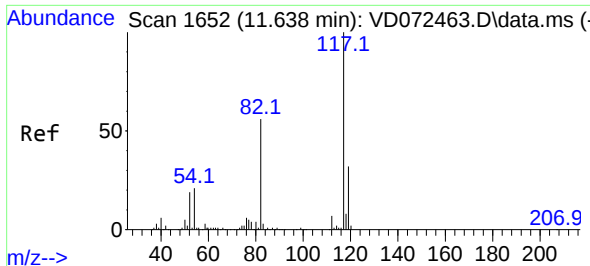
Tgt Ion: 98 Resp: 240500
Ion Ratio Lower Upper
98 100
100 49.5 52.4 78.6#



#62
4-Bromofluorobenzene
Concen: 198.310 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.012 min
Lab File: VD072706.D
Acq: 25 Apr 2022 14:02

Tgt Ion: 95 Resp: 324652
Ion Ratio Lower Upper
95 100
174 13.7 0.0 152.8
176 13.7 0.0 145.4

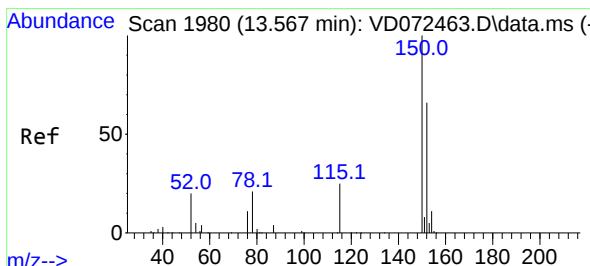
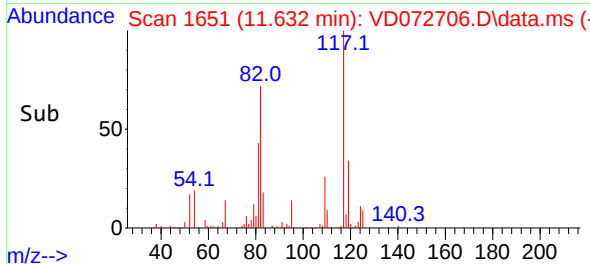
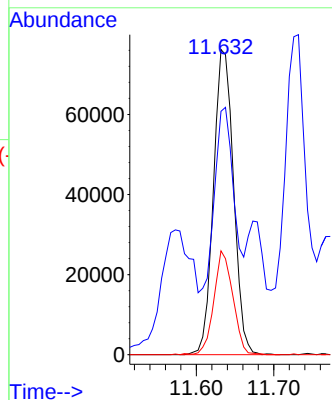
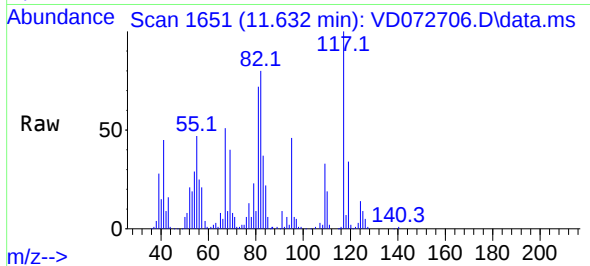




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD072706.D
Acq: 25 Apr 2022 14:02

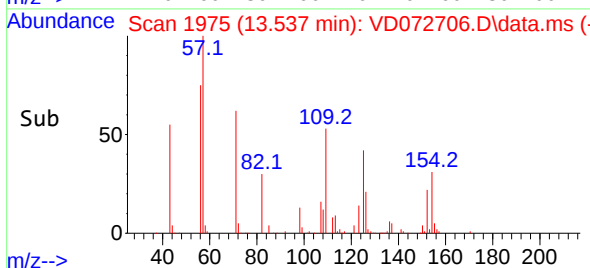
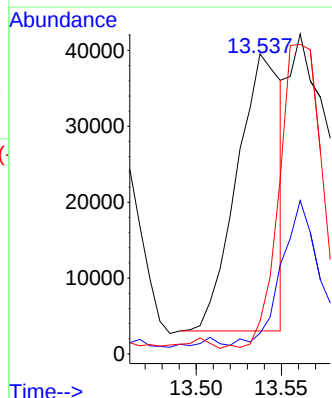
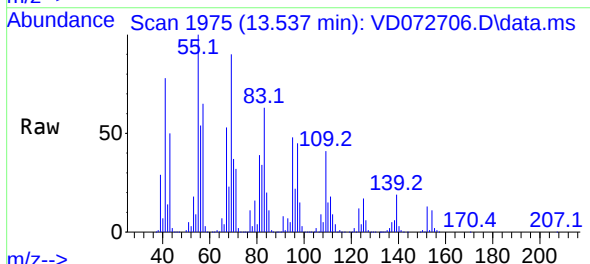
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MSVOA_D
ClientSampleId :
WC-16-1A-4

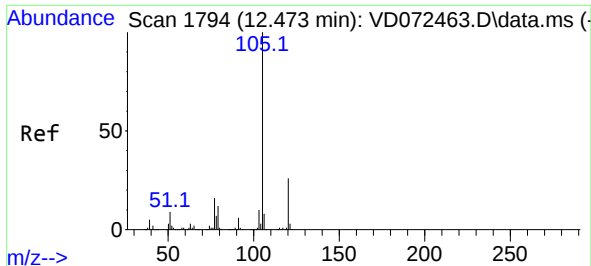
Tgt Ion:117 Resp: 136982
Ion Ratio Lower Upper
117 100
82 44.8 45.3 67.9#
119 34.0 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.537 min Scan# 1975
Delta R.T. -0.029 min
Lab File: VD072706.D
Acq: 25 Apr 2022 14:02

Tgt Ion:152 Resp: 65480
Ion Ratio Lower Upper
152 100
115 0.0 31.3 93.8#
150 0.0 0.0 348.6

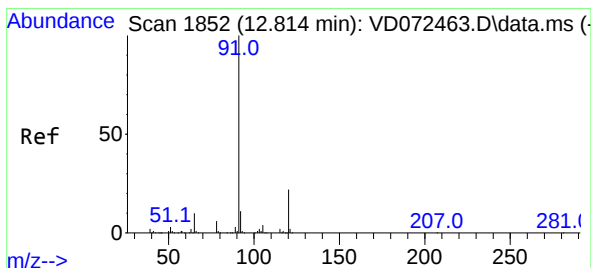
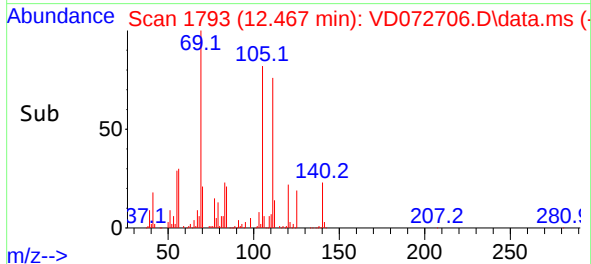
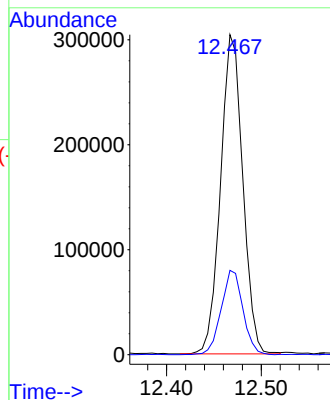
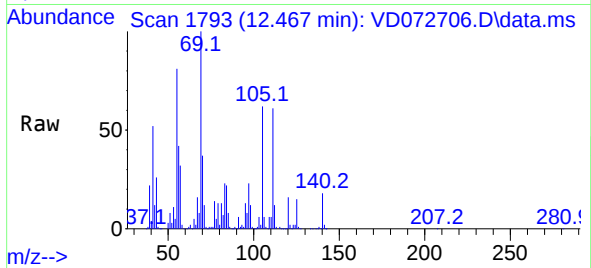




#73
Isopropylbenzene
Concen: 93.825 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD072706.D
Acq: 25 Apr 2022 14:02

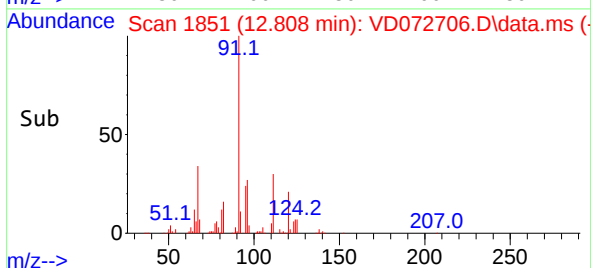
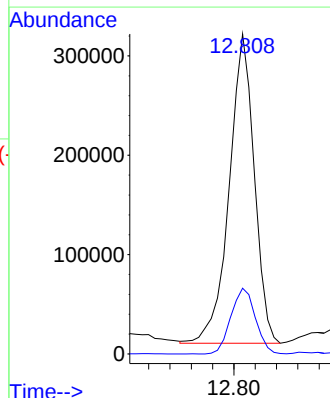
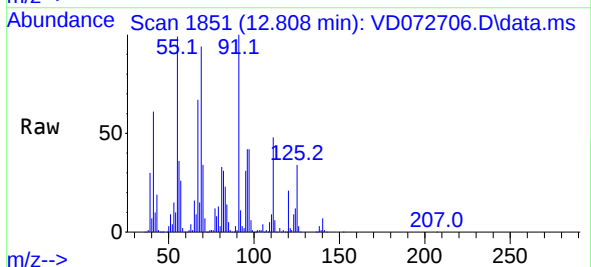
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-4

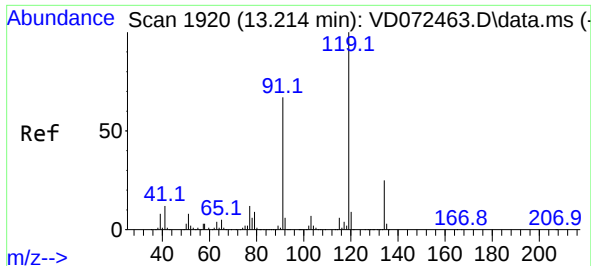
Tgt Ion:105 Resp: 496168
Ion Ratio Lower Upper
105 100
120 25.9 13.0 38.9



#78
n-propylbenzene
Concen: 79.656 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VD072706.D
Acq: 25 Apr 2022 14:02

Tgt Ion: 91 Resp: 508168
Ion Ratio Lower Upper
91 100
120 20.8 10.9 32.9

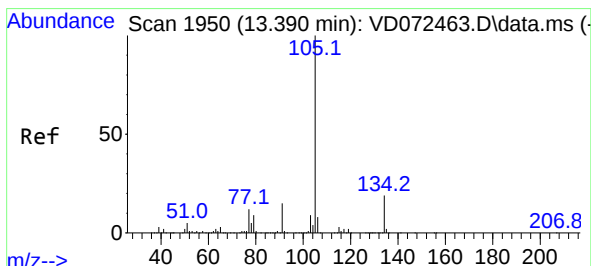
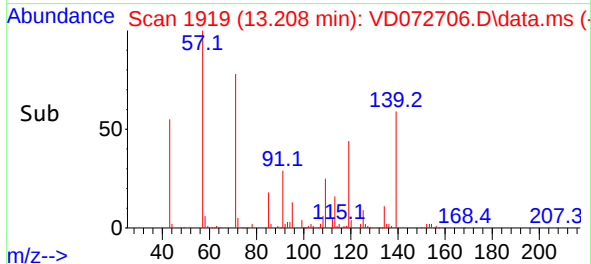
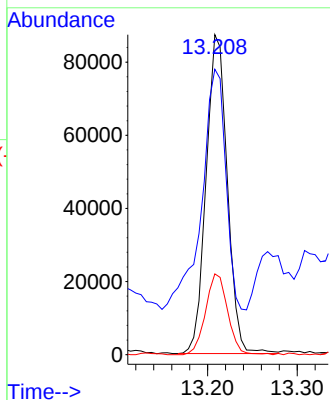
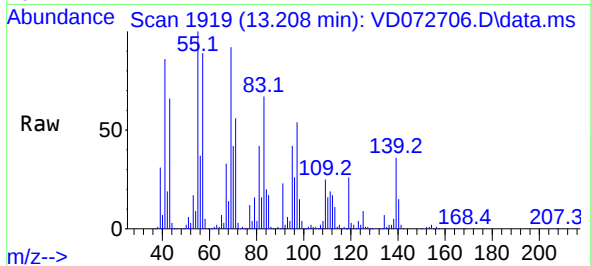




#83
tert-Butylbenzene
Concen: 36.592 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.006 min
Lab File: VD072706.D
Acq: 25 Apr 2022 14:02

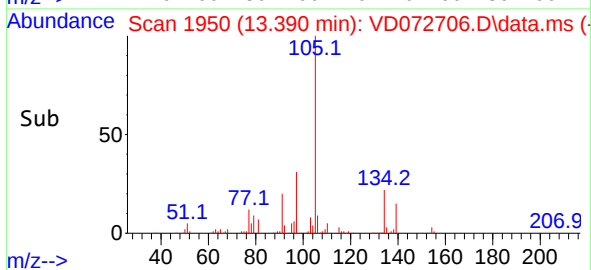
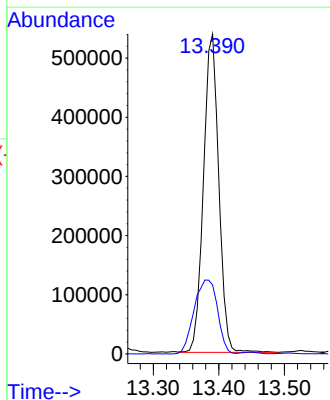
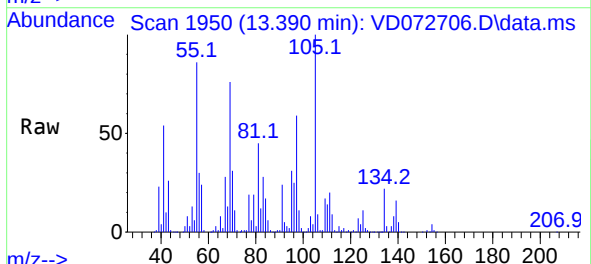
Instrument :
MSVOA_D
ClientSampleId :
WC-16-1A-4

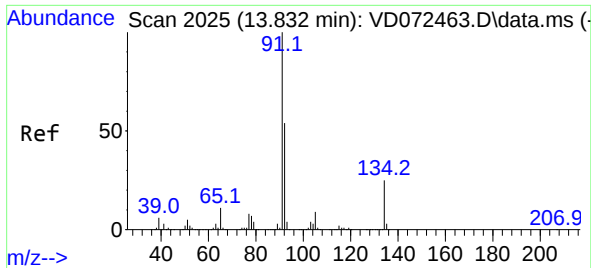
Tgt Ion:119 Resp: 143475
Ion Ratio Lower Upper
119 100
91 85.3 34.8 104.5
134 26.3 13.3 39.9



#85
sec-Butylbenzene
Concen: 147.920 ug/l
RT: 13.390 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VD072706.D
Acq: 25 Apr 2022 14:02

Tgt Ion:105 Resp: 873613
Ion Ratio Lower Upper
105 100
134 35.5 9.8 29.3#





#89

n-Butylbenzene

Concen: 89.083 ug/l

RT: 13.826 min Scan# 20

Delta R.T. -0.006 min

Lab File: VD072706.D

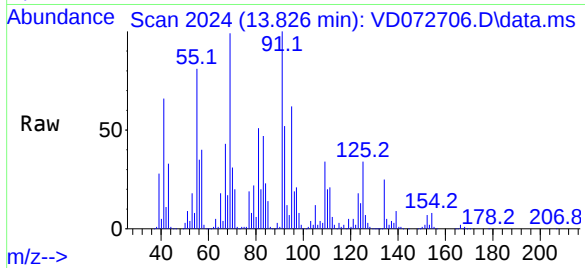
Acq: 25 Apr 2022 14:02

Instrument :

MSVOA_D

ClientSampleId :

WC-16-1A-4



Tgt Ion: 91 Resp: 409663

Ion Ratio Lower Upper

91 100

92 52.1 26.6 79.8

134 43.5 12.3 36.9#

