

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050522\
 Data File : VD072816.D
 Acq On : 05 May 2022 18:08
 Operator : VA/SY
 Sample : N2672-09
 Misc : 7.14G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 09

Quant Time: May 06 03:51:18 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	410024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	757066	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	721145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	347130	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	264625	49.719	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.440%
35) Dibromofluoromethane	7.908	113	237583	44.684	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.360%
50) Toluene-d8	10.332	98	987486	51.775	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.560%
62) 4-Bromofluorobenzene	12.620	95	441045	62.018	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	124.040%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.979	56	19068	2.049	ug/l #	64
39) Methylcyclohexane	9.344	83	153202	15.277	ug/l	97
67) Ethyl Benzene	11.738	91	586462	20.317	ug/l	100
68) m/p-Xylenes	11.838	106	948853	85.334	ug/l	96
69) o-Xylene	12.167	106	1023913	98.598	ug/l	98
73) Isopropylbenzene	12.467	105	515440	19.085	ug/l	100
78) n-propylbenzene	12.808	91	1120603	32.921	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	3561469	155.518	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	5411928	236.425	ug/l	99
85) sec-Butylbenzene	13.390	105	1028763	35.034	ug/l	88
86) p-Isopropyltoluene	13.502	119	940403	39.060	ug/l	98
89) n-Butylbenzene	13.826	91	540528	23.176	ug/l #	62

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



Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

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ClientSampleId :

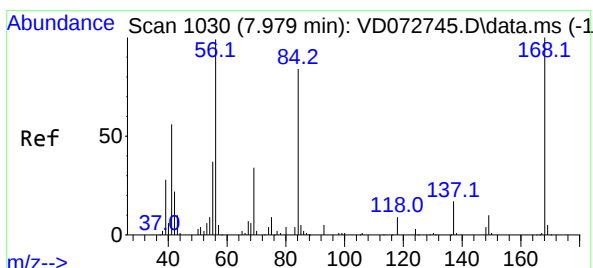
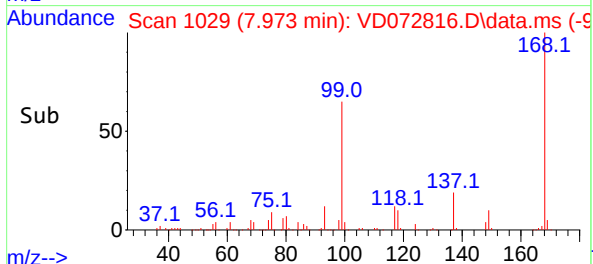
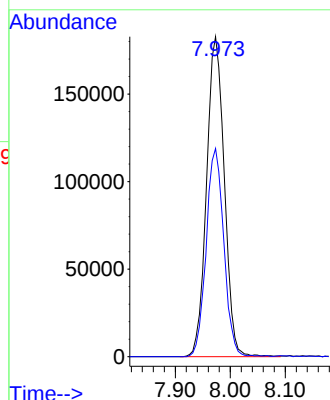
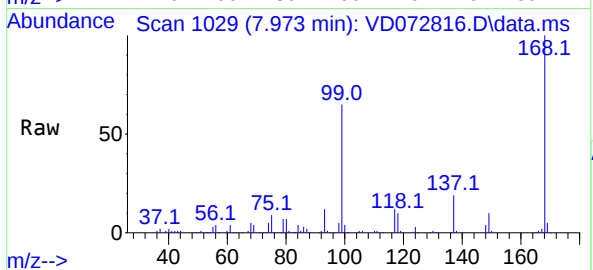
09

Tgt Ion:168 Resp: 410024

Ion Ratio Lower Upper

168 100

99 65.1 49.8 74.6



Cyclohexane

Concen: 2.049 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD072816.D

Acq: 05 May 2022 18:08

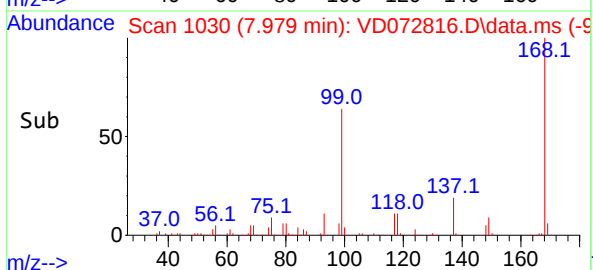
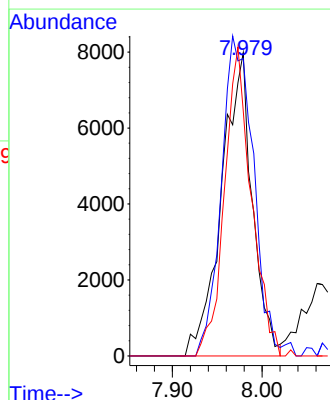
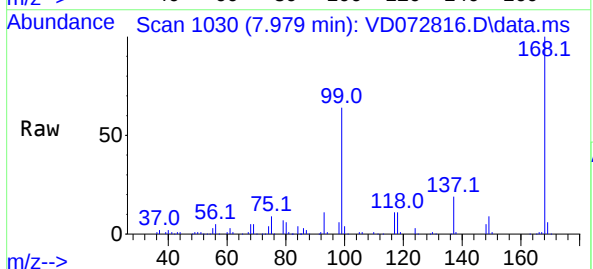
Tgt Ion: 56 Resp: 19068

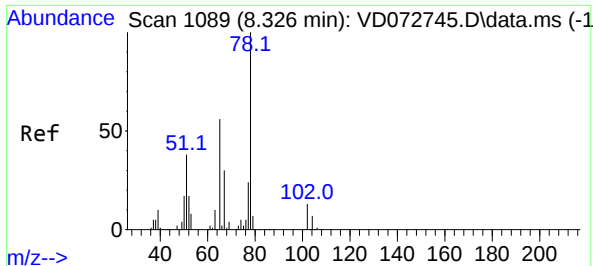
Ion Ratio Lower Upper

56 100

69 98.1 25.4 38.2#

84 80.9 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 49.719 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VD072816.D

Acq: 05 May 2022 18:08

Instrument :

MSVOA_D

ClientSampleId :

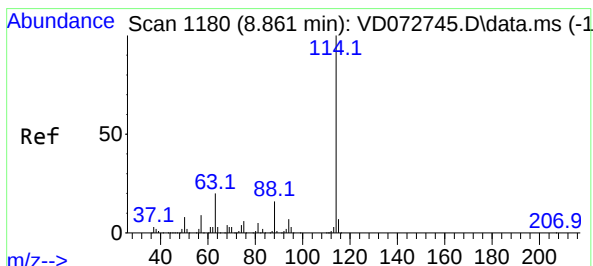
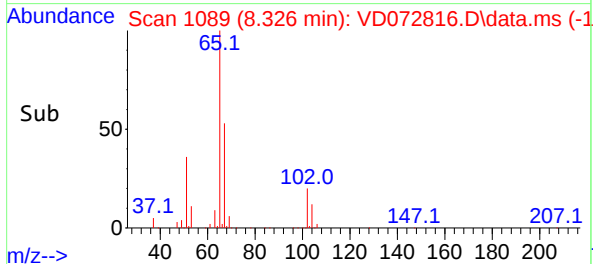
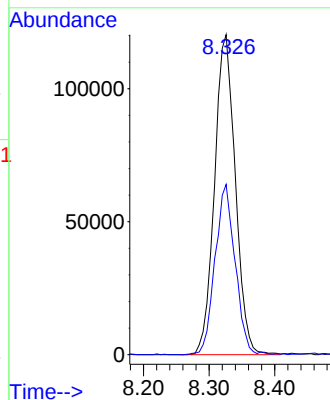
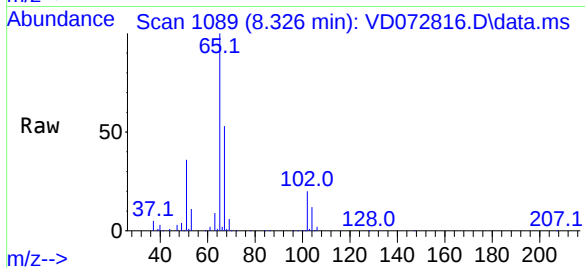
09

Tgt Ion: 65 Resp: 264625

Ion Ratio Lower Upper

65 100

67 51.4 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: VD072816.D

Acq: 05 May 2022 18:08

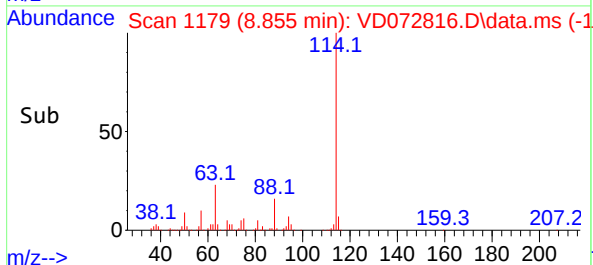
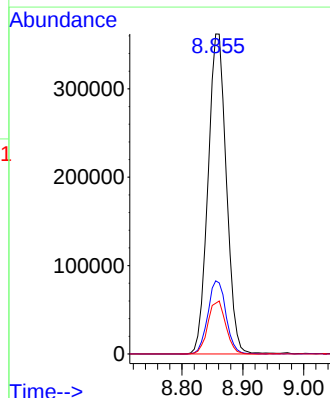
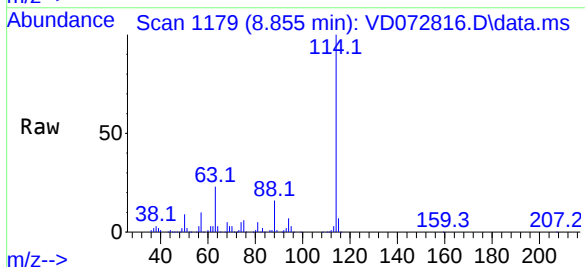
Tgt Ion: 114 Resp: 757066

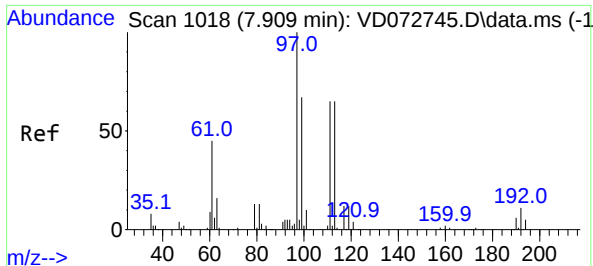
Ion Ratio Lower Upper

114 100

63 22.9 0.0 46.6

88 15.9 0.0 33.2

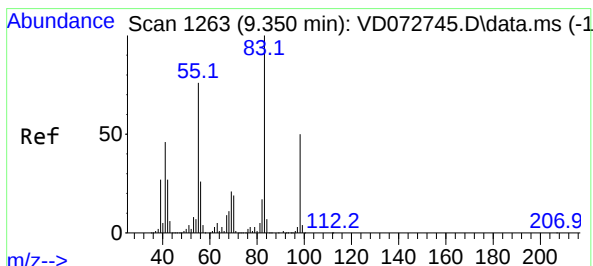
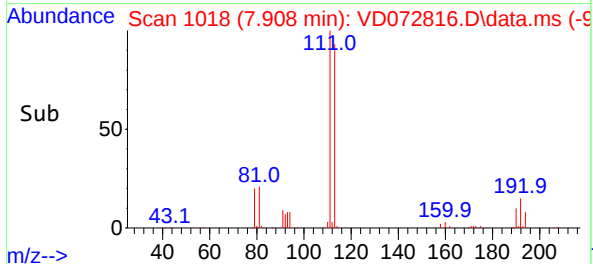
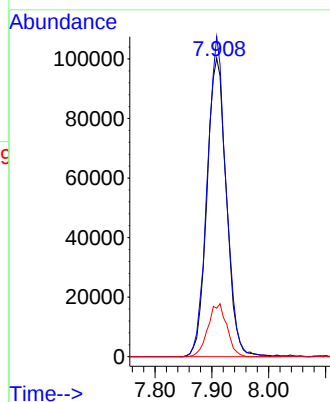
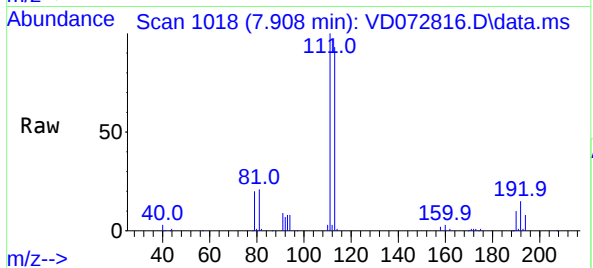




#35
Dibromofluoromethane
Concen: 44.684 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.001 min
Lab File: VD072816.D
Acq: 05 May 2022 18:08

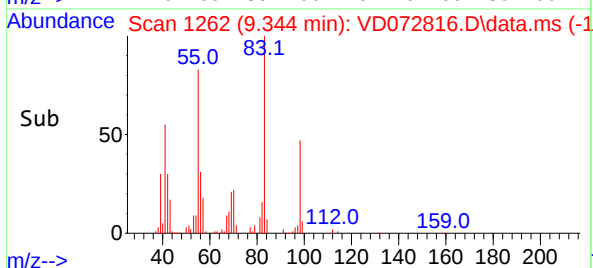
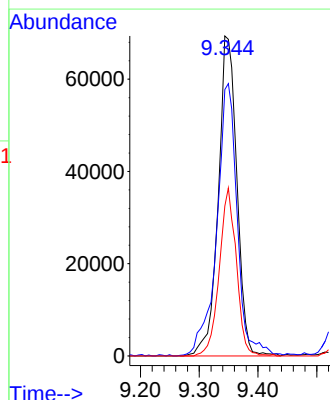
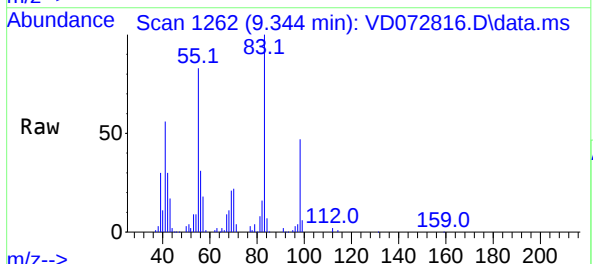
Instrument :
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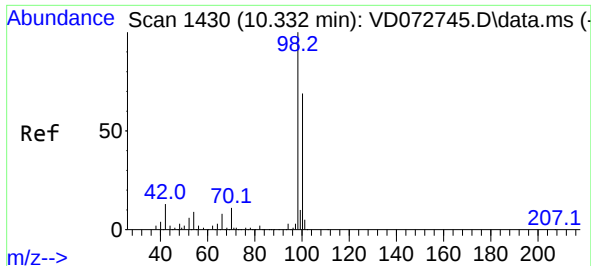
Tgt Ion:113 Resp: 237583
Ion Ratio Lower Upper
113 100
111 103.9 83.8 125.6
192 17.3 14.6 21.8



#39
Methylcyclohexane
Concen: 15.277 ug/l
RT: 9.344 min Scan# 1262
Delta R.T. -0.006 min
Lab File: VD072816.D
Acq: 05 May 2022 18:08

Tgt Ion: 83 Resp: 153202
Ion Ratio Lower Upper
83 100
55 83.0 63.2 94.8
98 46.8 38.2 57.4

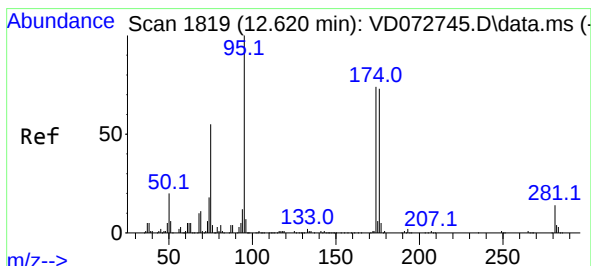
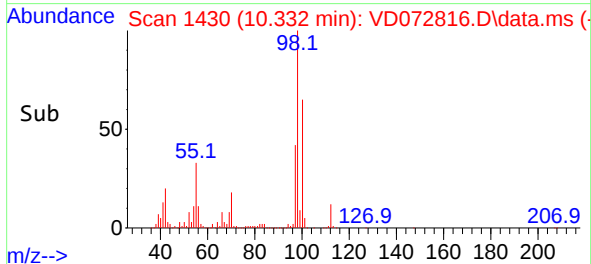
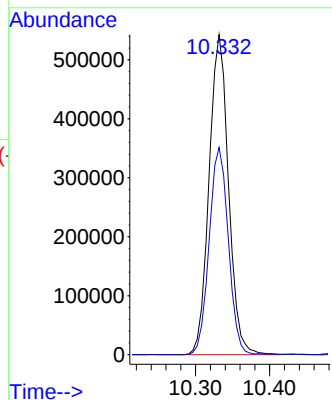
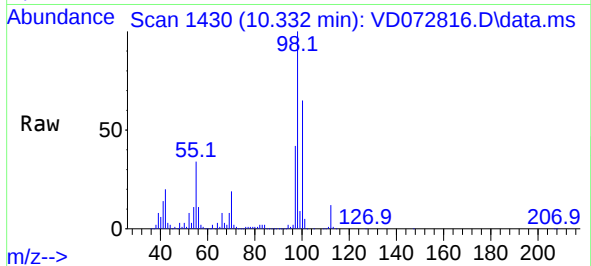




#50
Toluene-d8
Concen: 51.775 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072816.D
Acq: 05 May 2022 18:08

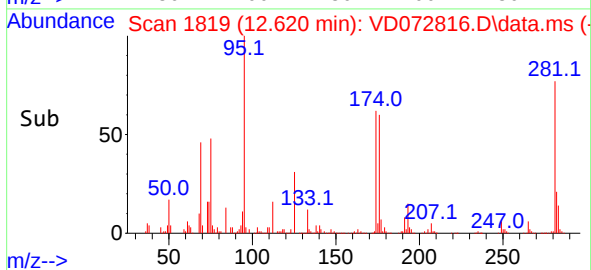
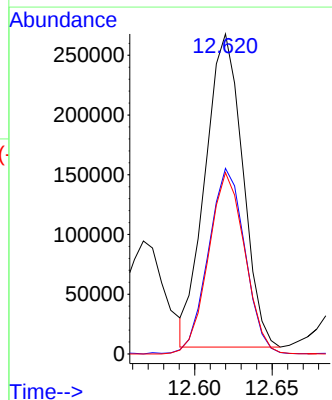
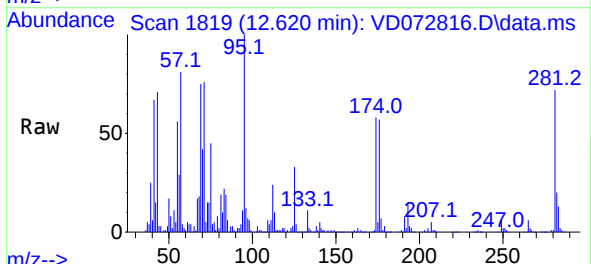
Instrument :
MSVOA_D
ClientSampleId :
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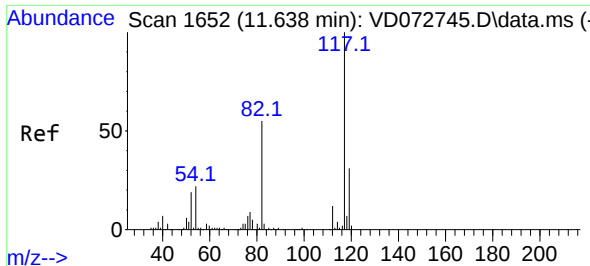
Tgt Ion: 98 Resp: 987486
Ion Ratio Lower Upper
98 100
100 63.9 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 62.018 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072816.D
Acq: 05 May 2022 18:08

Tgt Ion: 95 Resp: 441045
Ion Ratio Lower Upper
95 100
174 57.9 0.0 152.8
176 56.1 0.0 145.4

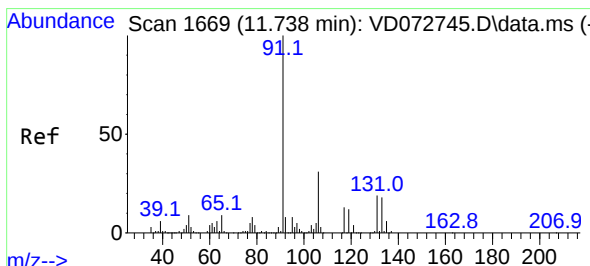
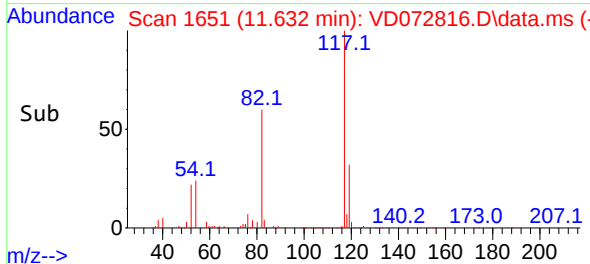
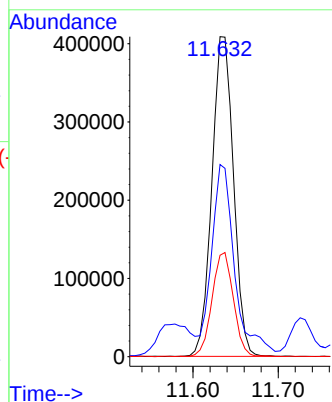
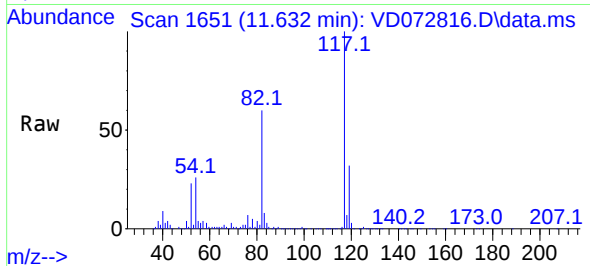




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD072816.D
Acq: 05 May 2022 18:08

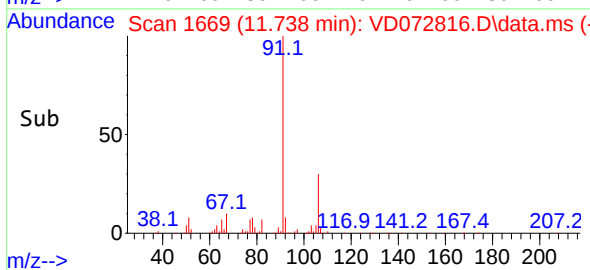
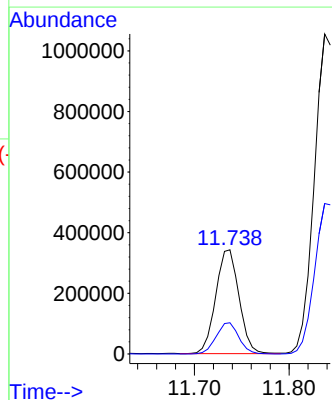
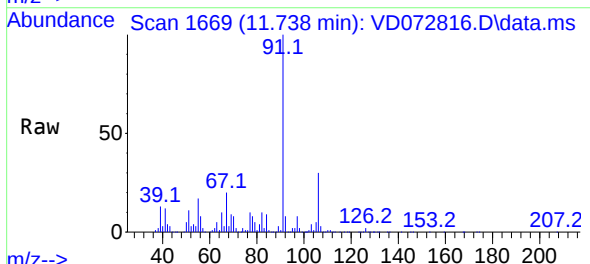
Instrument :
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ClientSampleId :
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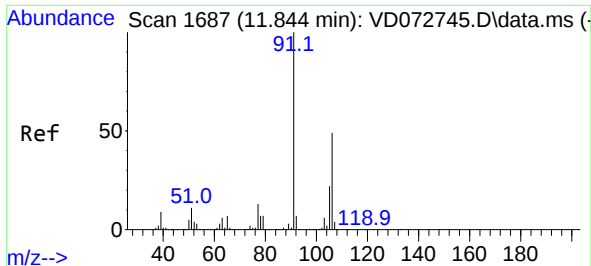
Tgt Ion:	117	Resp:	721145
Ion	Ratio	Lower	Upper
117	100		
82	58.3	45.3	67.9
119	31.6	26.6	40.0



#67
Ethyl Benzene
Concen: 20.317 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072816.D
Acq: 05 May 2022 18:08

Tgt Ion:	91	Resp:	586462
Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.2	36.4

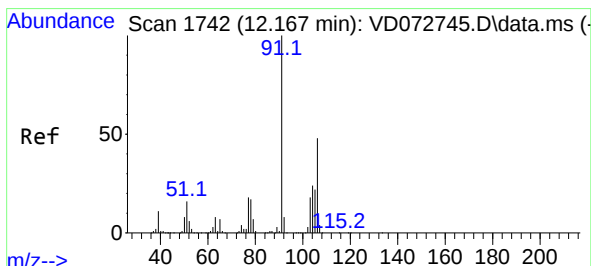
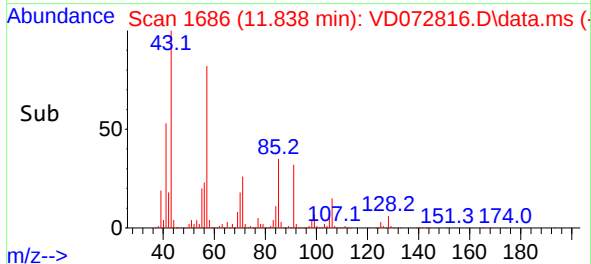
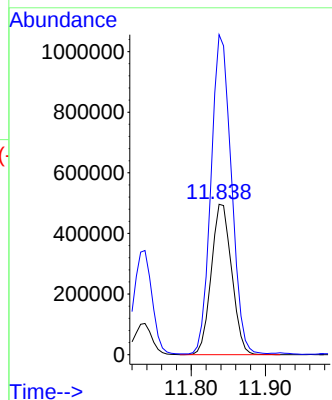
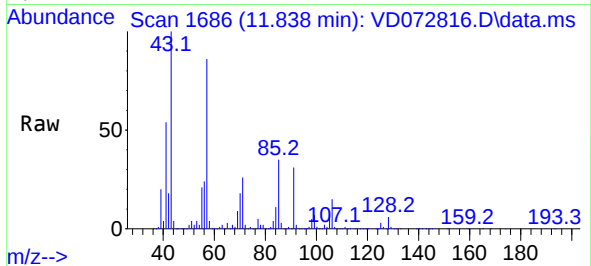




#68
m/p-Xylenes
Concen: 85.334 ug/l
RT: 11.838 min Scan# 1686
Delta R.T. -0.006 min
Lab File: VD072816.D
Acq: 05 May 2022 18:08

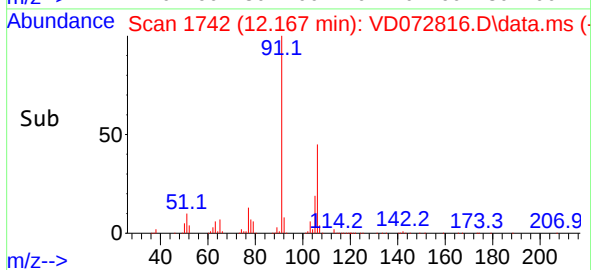
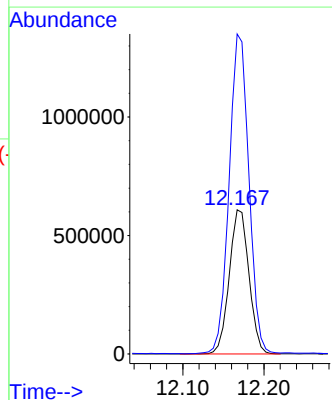
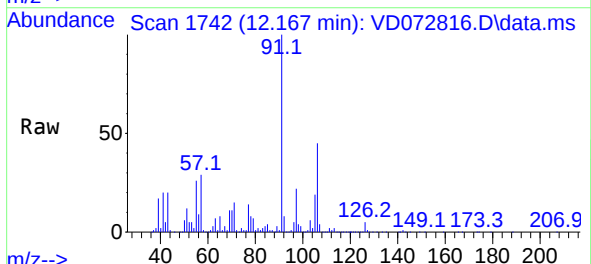
Instrument :
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ClientSampleId :
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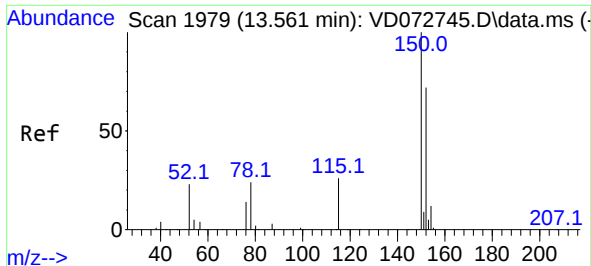
Tgt Ion:106 Resp: 948853
Ion Ratio Lower Upper
106 100
91 211.2 163.7 245.5



#69
o-Xylene
Concen: 98.598 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. -0.000 min
Lab File: VD072816.D
Acq: 05 May 2022 18:08

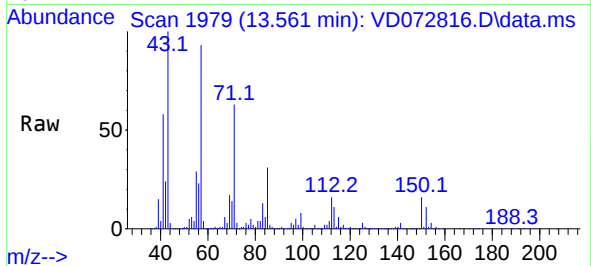
Tgt Ion:106 Resp: 1023913
Ion Ratio Lower Upper
106 100
91 223.4 110.4 331.2



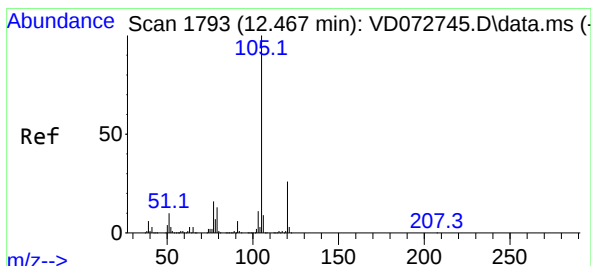
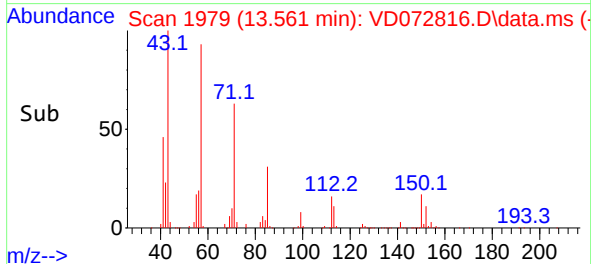
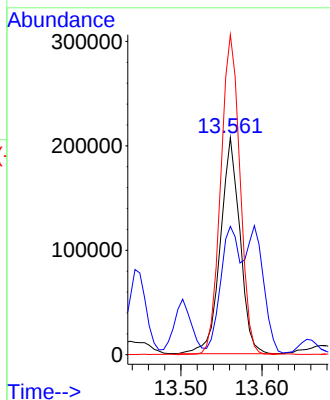


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. -0.000 min
Lab File: VD072816.D
Acq: 05 May 2022 18:08

Instrument :
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ClientSampleId :
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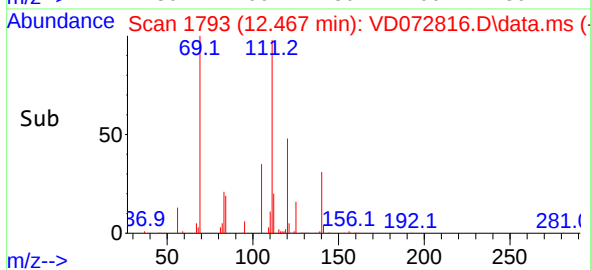
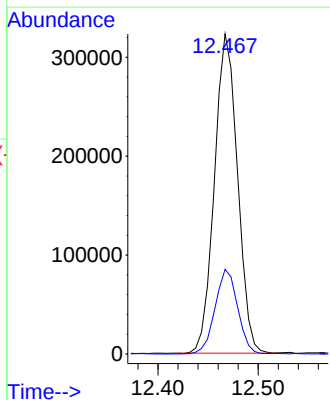
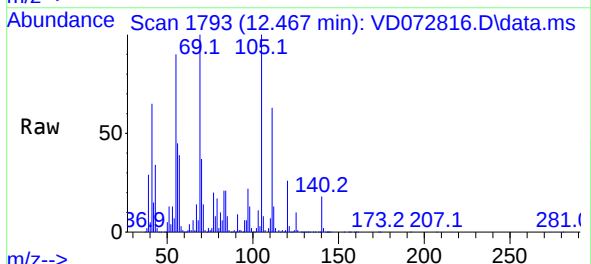


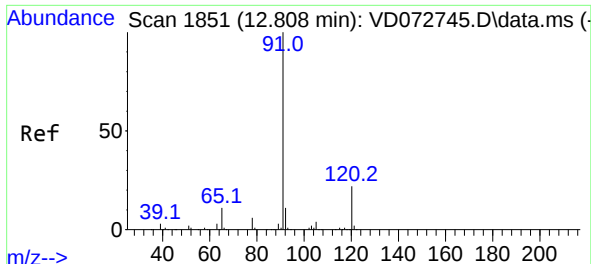
Tgt Ion:152 Resp: 347130
Ion Ratio Lower Upper
152 100
115 54.0 31.3 93.8
150 145.9 0.0 348.6



#73
Isopropylbenzene
Concen: 19.085 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD072816.D
Acq: 05 May 2022 18:08

Tgt Ion:105 Resp: 515440
Ion Ratio Lower Upper
105 100
120 26.0 13.0 38.9

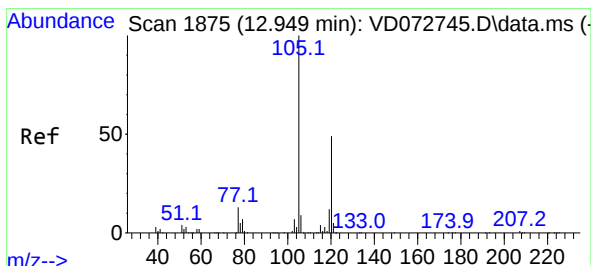
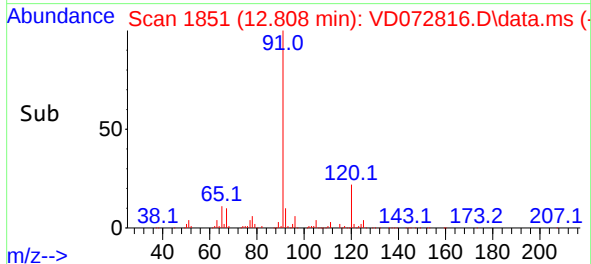
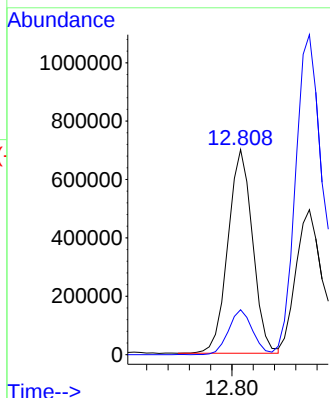
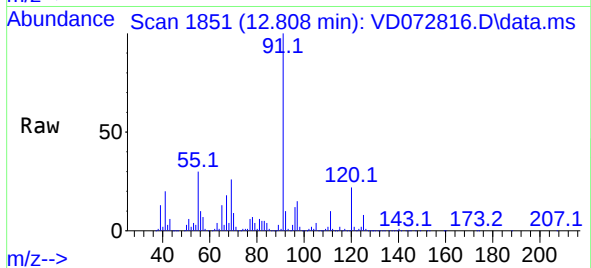




#78
n-propylbenzene
Concen: 32.921 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD072816.D
Acq: 05 May 2022 18:08

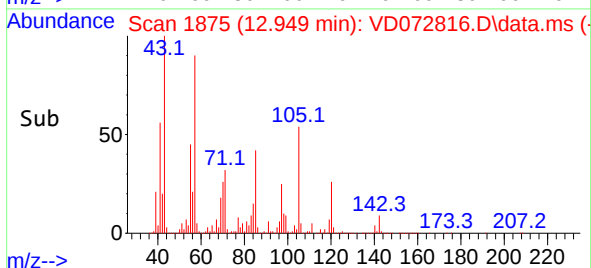
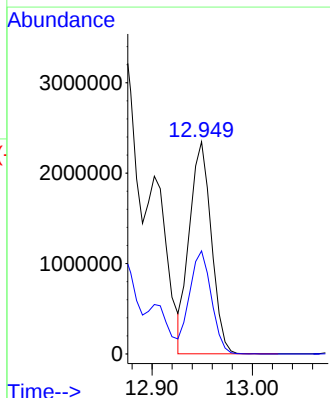
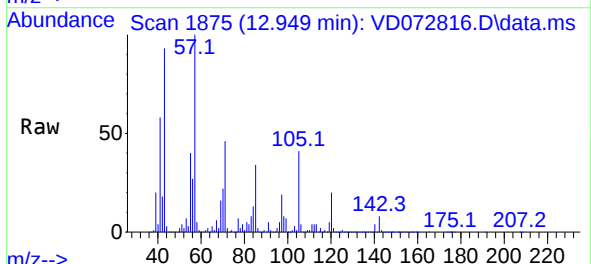
Instrument :
MSVOA_D
ClientSampleId :
09

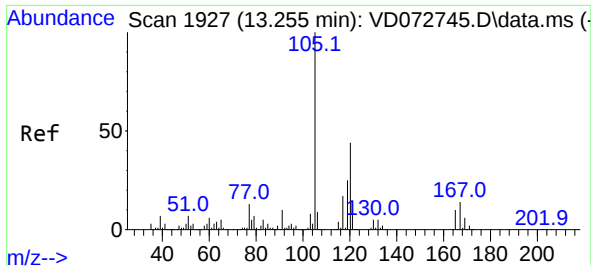
Tgt Ion: 91 Resp: 1120603
Ion Ratio Lower Upper
91 100
120 21.5 10.9 32.9



#80
1,3,5-Trimethylbenzene
Concen: 155.518 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD072816.D
Acq: 05 May 2022 18:08

Tgt Ion:105 Resp: 3561469
Ion Ratio Lower Upper
105 100
120 48.5 24.3 72.8

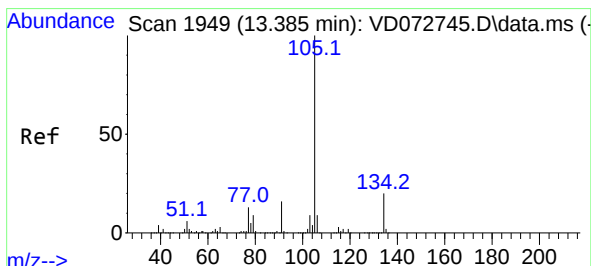
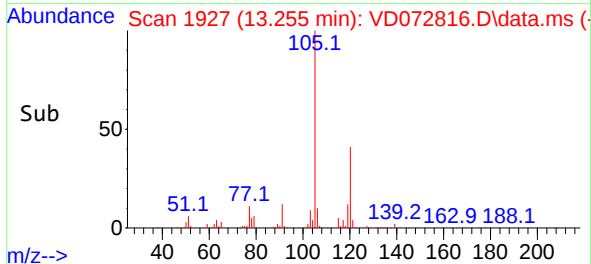
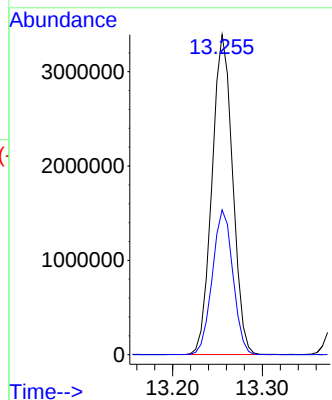
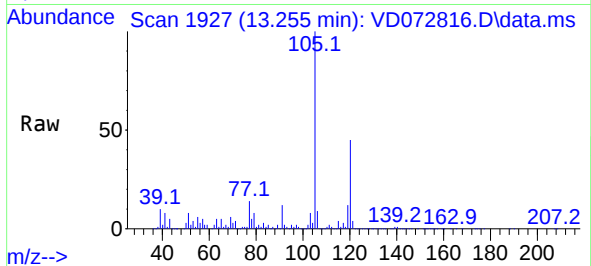




#84
1,2,4-Trimethylbenzene
Concen: 236.425 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD072816.D
Acq: 05 May 2022 18:08

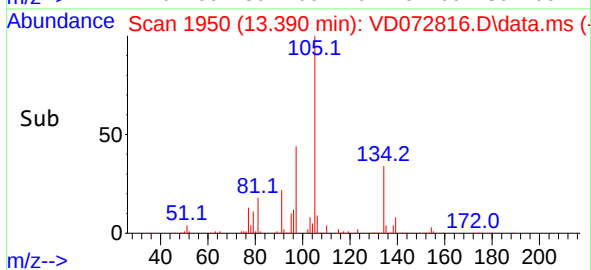
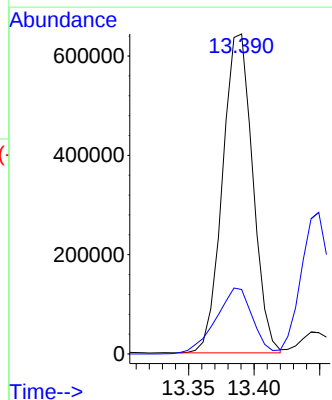
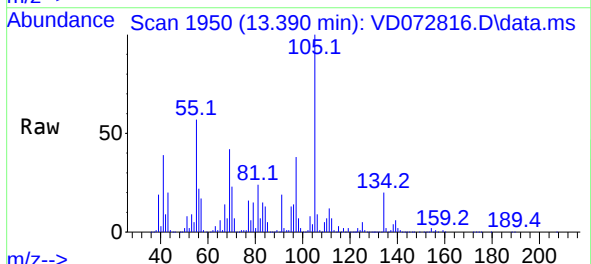
Instrument :
MSVOA_D
ClientSampleId :
09

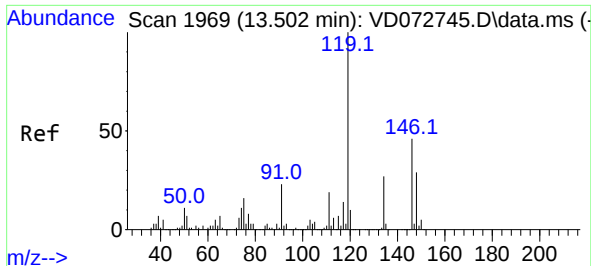
Tgt Ion:105 Resp: 5411928
Ion Ratio Lower Upper
105 100
120 45.2 22.3 66.8



#85
sec-Butylbenzene
Concen: 35.034 ug/l
RT: 13.390 min Scan# 1950
Delta R.T. 0.005 min
Lab File: VD072816.D
Acq: 05 May 2022 18:08

Tgt Ion:105 Resp: 1028763
Ion Ratio Lower Upper
105 100
134 25.1 9.8 29.3

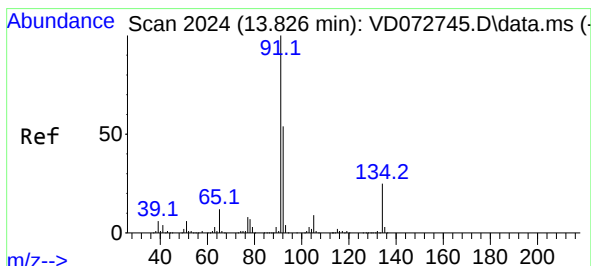
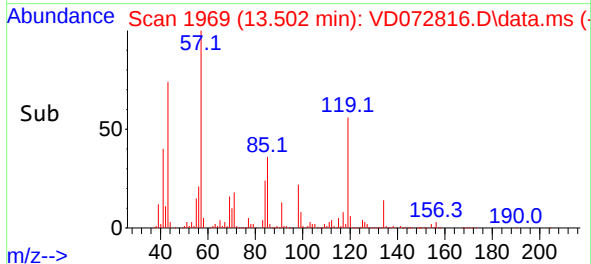
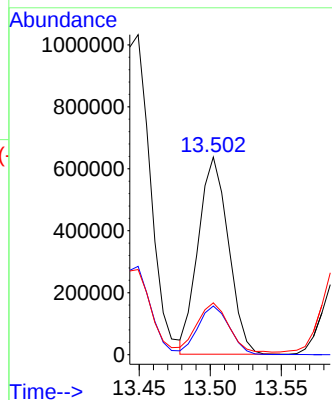
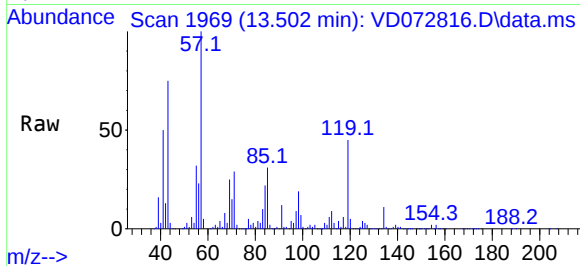




#86
p-Isopropyltoluene
Concen: 39.060 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD072816.D
Acq: 05 May 2022 18:08

Instrument :
MSVOA_D
ClientSampleId :
09

Tgt Ion:119 Resp: 940403
Ion Ratio Lower Upper
119 100
134 25.5 12.9 38.6
91 26.0 12.1 36.3



#89
n-Butylbenzene
Concen: 23.176 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. -0.000 min
Lab File: VD072816.D
Acq: 05 May 2022 18:08

Tgt Ion: 91 Resp: 540528
Ion Ratio Lower Upper
91 100
92 76.4 26.6 79.8
134 0.0 12.3 36.9#

