

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122921\
 Data File : VN070374.D
 Acq On : 30 Dec 2021 3:45
 Operator : JC/MD
 Sample : M5007-01RE
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-02RE

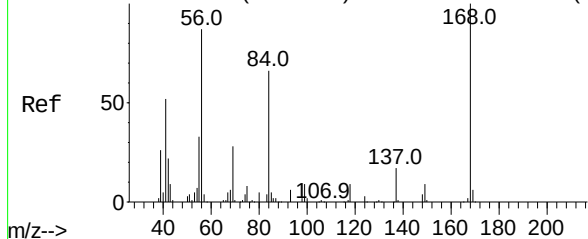
Quant Time: Dec 30 07:17:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : Sw846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	902538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1555664	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1381071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	483287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	681016	52.480	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.960%			
35) Dibromofluoromethane	8.024	113	478812	50.870	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.740%			
50) Toluene-d8	10.443	98	1852011	48.165	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 96.340%			
62) 4-Bromofluorobenzene	12.731	95	669671	48.220	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.440%			
Target Compounds						
					Qvalue	
16) Acetone	4.293	43	43994	5.222	ug/l	97
18) Methyl Acetate	4.862	43	18141	0.744	ug/l #	87
22) Diisopropyl ether	6.506	45	13749	0.339	ug/l #	83
25) 2-Butanone	7.351	43	13339	1.258	ug/l #	81
31) Cyclohexane	8.094	56	325800	15.910	ug/l	88
39) Methylcyclohexane	9.461	83	78988	4.190	ug/l #	77
40) Benzene	8.461	78	85974	1.801	ug/l	99
68) m/p-Xylenes	11.953	106	6450	0.330	ug/l	83
73) Isopropylbenzene	12.578	105	44673	0.995	ug/l	99
78) n-propylbenzene	12.918	91	22328	0.449	ug/l	90
83) tert-Butylbenzene	13.323	119	9030	0.285	ug/l	76
84) 1,2,4-Trimethylbenzene	13.369	105	9896	0.286	ug/l	94
85) sec-Butylbenzene	13.503	105	18871	0.439	ug/l #	56
87) 1,3-Dichlorobenzene	13.616	146	5076	0.294	ug/l	87
91) 1,2-Dichlorobenzene	13.989	146	8914	0.527	ug/l	97
95) Naphthalene	15.507	128	15381	2.470	ug/l #	90

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

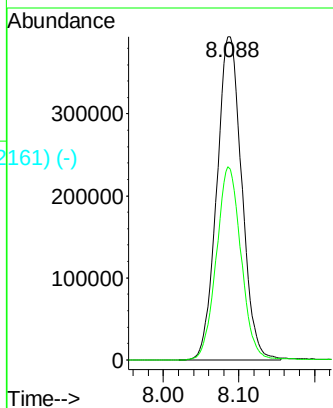
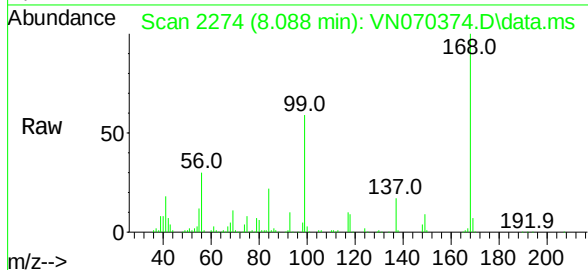
Abundance Scan 2273 (8.086 min): VN070308.D\data.ms (-2249) (-)



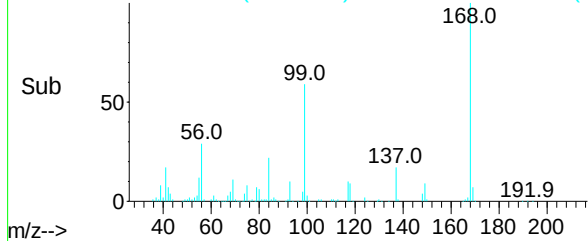
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2161
Delta R.T. 0.002 min
Lab File: VN070374.D
Acq: 30 Dec 2021 3:45

Instrument :
MSVOA_N
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TOLL-MW-02RE

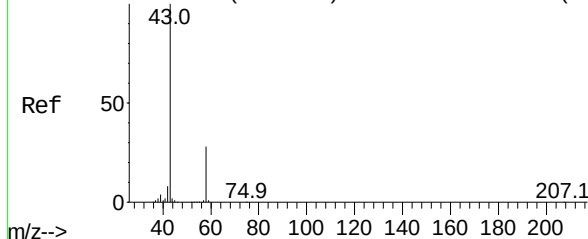
Tgt Ion:168 Resp: 902538
Ion Ratio Lower Upper
168 100
99 59.0 41.3 61.9



Abundance Scan 2274 (8.088 min): VN070374.D\data.ms (-2161) (-)

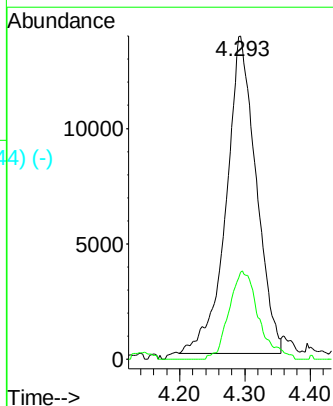
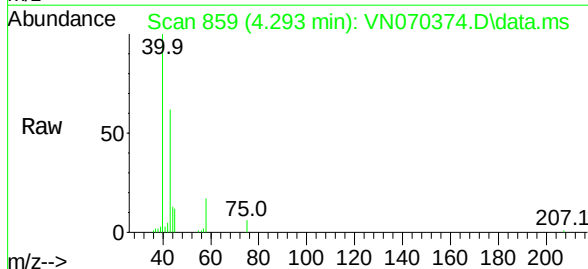


Abundance Scan 856 (4.285 min): VN070308.D\data.ms (-8317) (-)

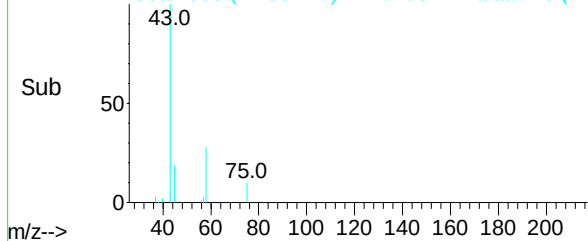


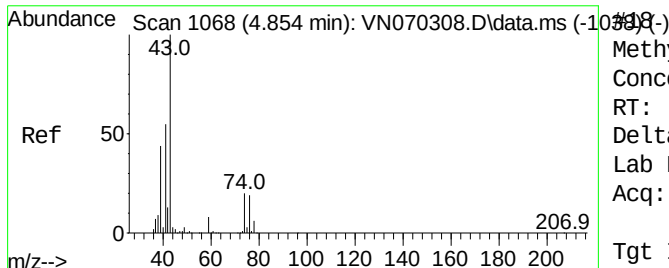
Acetone
Concen: 5.222 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN070374.D
Acq: 30 Dec 2021 3:45

Tgt Ion: 43 Resp: 43994
Ion Ratio Lower Upper
43 100
58 27.4 23.1 34.7



Abundance Scan 859 (4.293 min): VN070374.D\data.ms (-744) (-)





Methyl Acetate

Concen: 0.744 ug/l

RT: 4.862 min Scan# 1068

Delta R.T. 0.008 min

Lab File: VN070374.D

Acq: 30 Dec 2021 3:45

Instrument :

MSVOA_N

ClientSampleId :

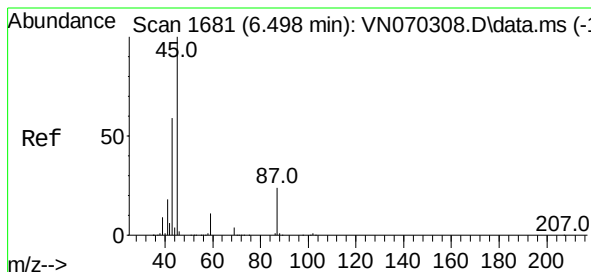
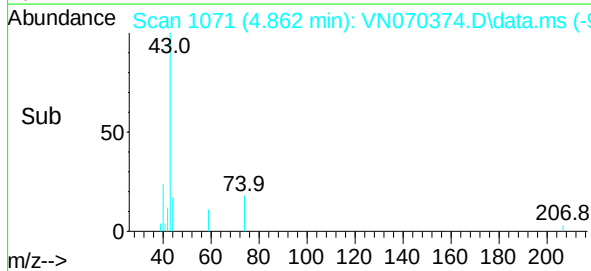
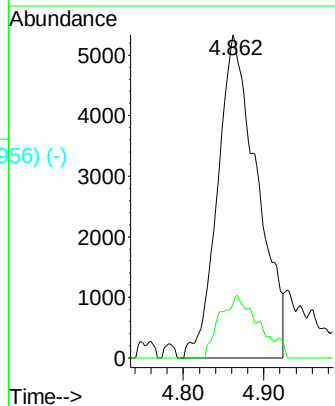
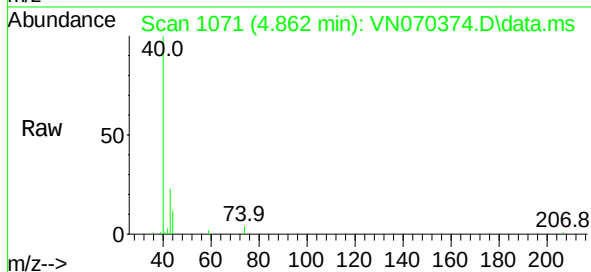
TOLL-MW-02RE

Tgt Ion: 43 Resp: 18141

Ion Ratio Lower Upper

43 100

74 18.1 19.4 29.2#



Diisopropyl ether

Concen: 0.339 ug/l

RT: 6.506 min Scan# 1684

Delta R.T. 0.008 min

Lab File: VN070374.D

Acq: 30 Dec 2021 3:45

Tgt Ion: 45 Resp: 13749

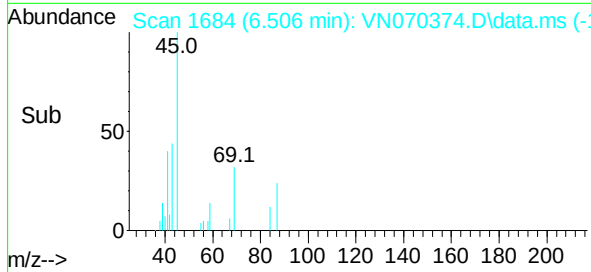
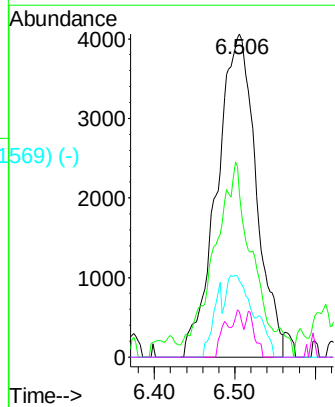
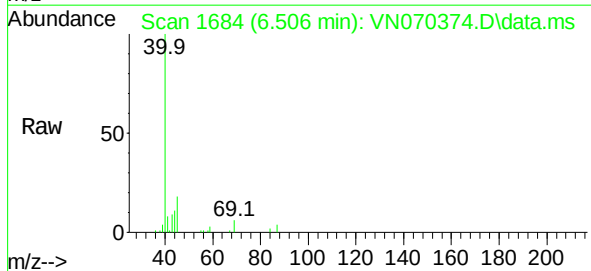
Ion Ratio Lower Upper

45 100

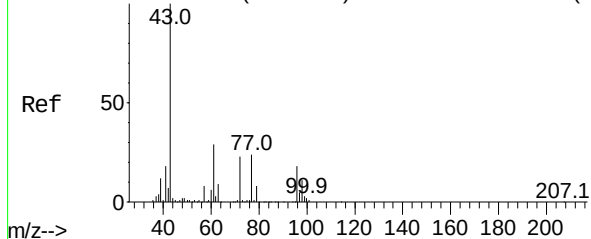
43 46.8 51.7 77.5#

87 23.6 23.2 34.8

59 14.0 9.4 14.0



Abundance Scan 1993 (7.335 min): VN070308.D\data.ms (-19625-)



2-Butanone

Concen: 1.258 ug/l

RT: 7.351 min Scan#

Delta R.T. 0.016 min

Lab File: VN070374.D

Acq: 30 Dec 2021 3:45

Instrument :

MSVOA_N

ClientSampleId :

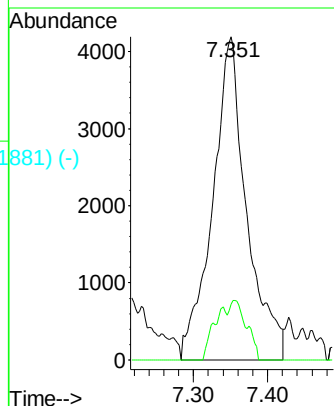
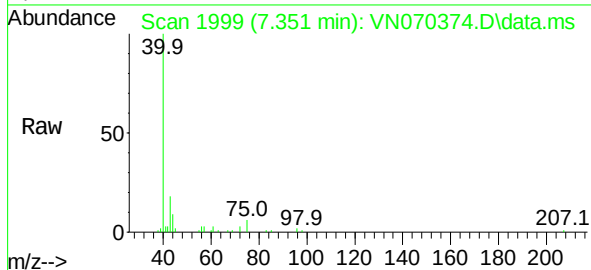
TOLL-MW-02RE

Tgt Ion: 43 Resp: 13339

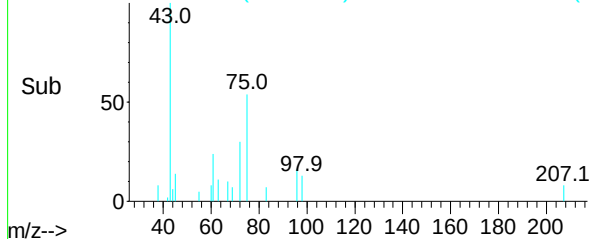
Ion Ratio Lower Upper

43 100

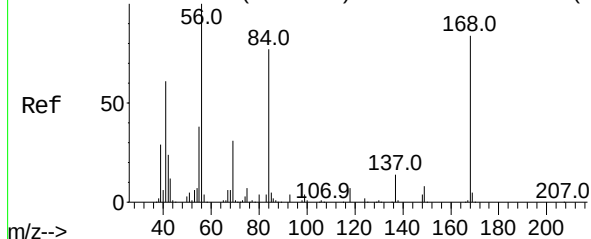
72 17.3 21.7 32.5#



Abundance Scan 1999 (7.351 min): VN070374.D\data.ms (-1881-)



Abundance Scan 2276 (8.094 min): VN070308.D\data.ms (-22501-)



Cyclohexane

Concen: 15.910 ug/l

RT: 8.094 min Scan# 2276

Delta R.T. -0.000 min

Lab File: VN070374.D

Acq: 30 Dec 2021 3:45

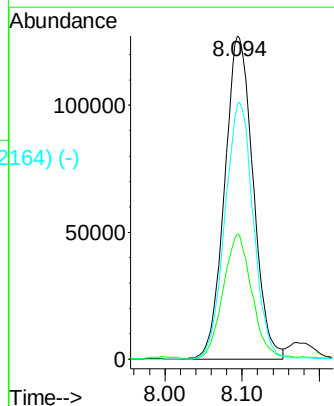
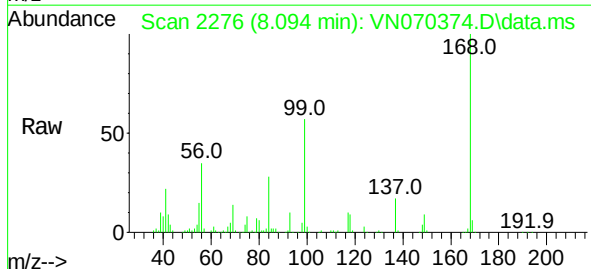
Tgt Ion: 56 Resp: 325800

Ion Ratio Lower Upper

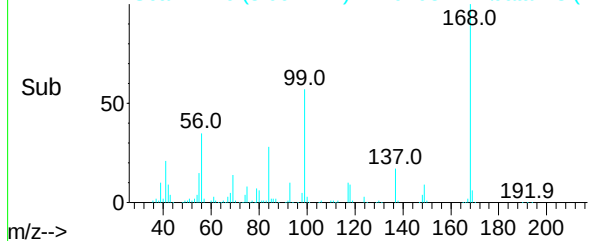
56 100

69 38.6 27.1 40.7

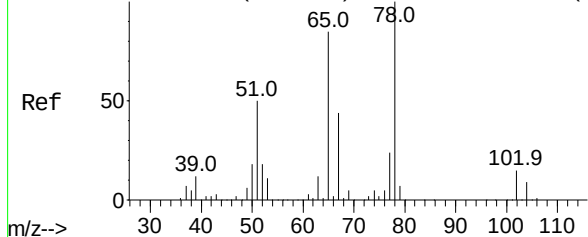
84 78.7 73.4 110.0



Abundance Scan 2276 (8.094 min): VN070374.D\data.ms (-2164-)



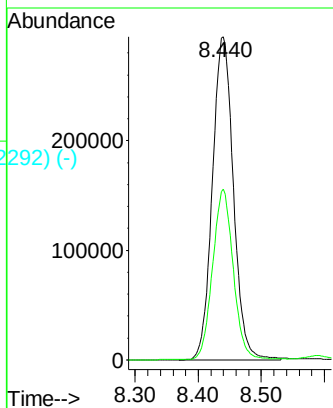
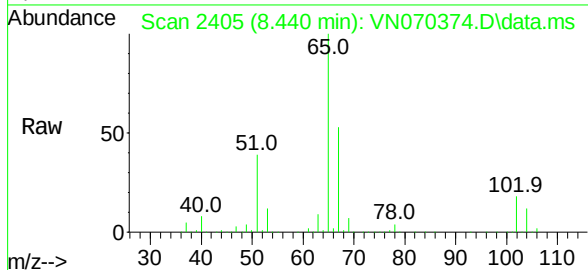
Abundance Scan 2404 (8.437 min): VN070308.D\data.ms (-23793-)



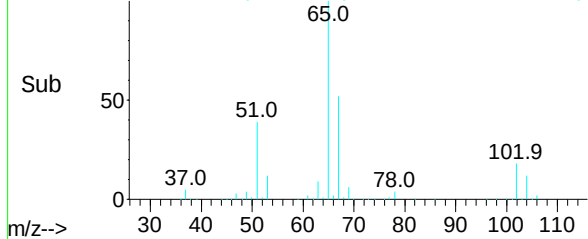
1,2-Dichloroethane-d4
Concen: 52.480 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070374.D
Acq: 30 Dec 2021 3:45

Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-02RE

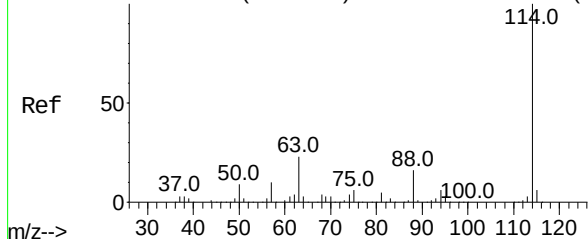
Tgt Ion: 65 Resp: 681016
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.0



Abundance Scan 2405 (8.440 min): VN070374.D\data.ms (-2292-)

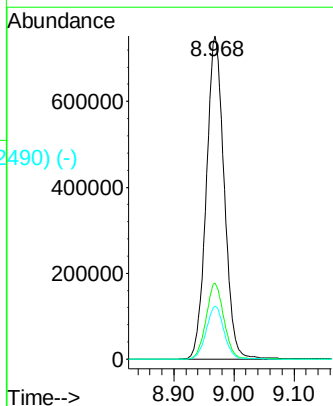
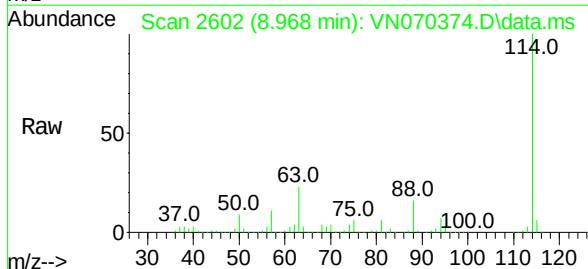


Abundance Scan 2602 (8.968 min): VN070308.D\data.ms (-25794-)

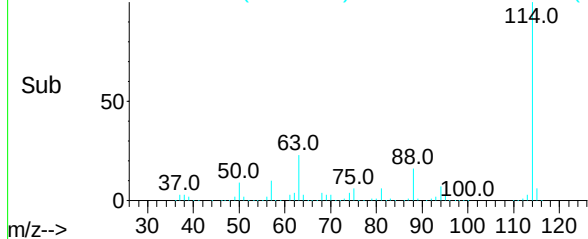


1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN070374.D
Acq: 30 Dec 2021 3:45

Tgt Ion:114 Resp: 1555664
Ion Ratio Lower Upper
114 100
63 23.5 0.0 37.8
88 16.4 0.0 27.4



Abundance Scan 2602 (8.968 min): VN070374.D\data.ms (-2490-)



Abundance Scan 2249 (8.021 min): VN070308.D\data.ms (-2249) (-)

Dibromofluoromethane

Concen: 50.870 ug/l

RT: 8.024 min Scan# 1

Delta R.T. 0.003 min

Lab File: VN070374.D

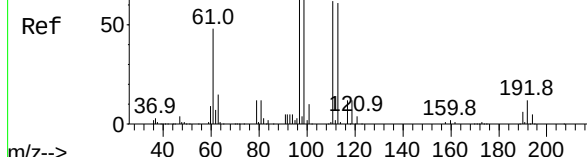
Acq: 30 Dec 2021 3:45

Instrument :

MSVOA_N

ClientSampleId :

TOLL-MW-02RE



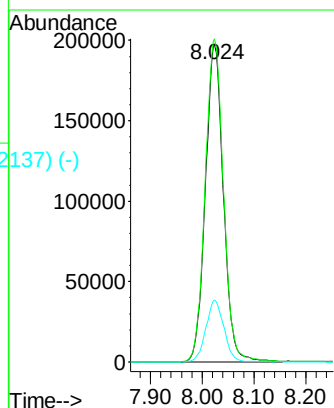
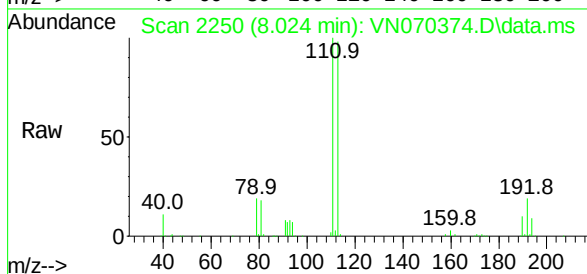
Tgt Ion: 113 Resp: 478812

Ion Ratio Lower Upper

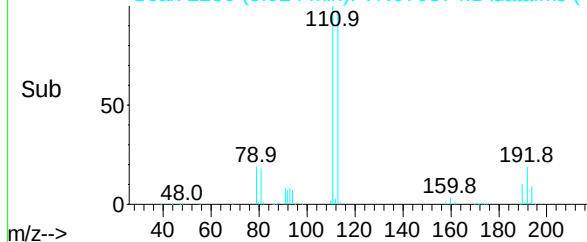
113 100

111 103.0 82.2 123.2

192 19.4 16.9 25.3



Abundance Scan 2250 (8.024 min): VN070374.D\data.ms (-2137) (-)



Abundance Scan 2785 (9.459 min): VN070308.D\data.ms (-2785) (-)

Methylcyclohexane

Concen: 4.190 ug/l

RT: 9.461 min Scan# 2786

Delta R.T. 0.002 min

Lab File: VN070374.D

Acq: 30 Dec 2021 3:45

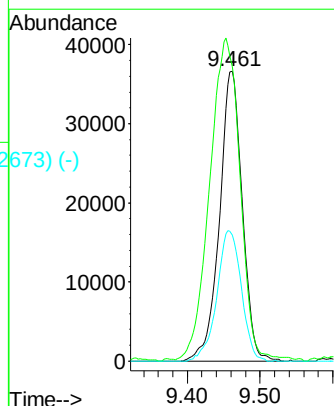
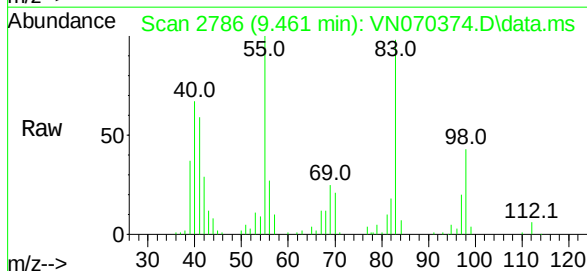
Tgt Ion: 83 Resp: 78988

Ion Ratio Lower Upper

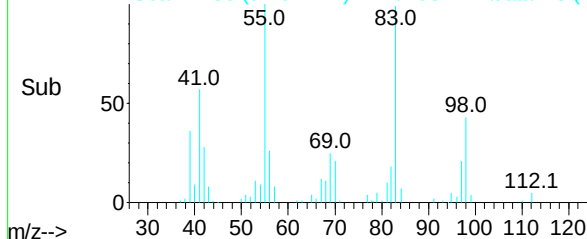
83 100

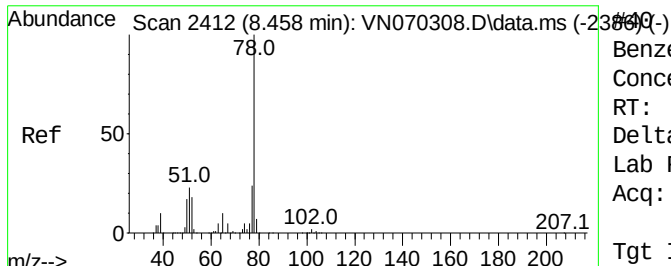
55 100.3 58.1 87.1#

98 43.5 38.4 57.6



Abundance Scan 2786 (9.461 min): VN070374.D\data.ms (-2673) (-)

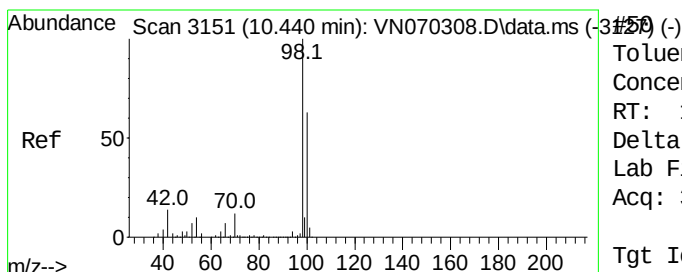
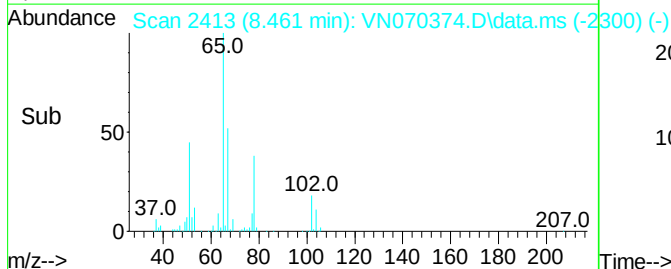
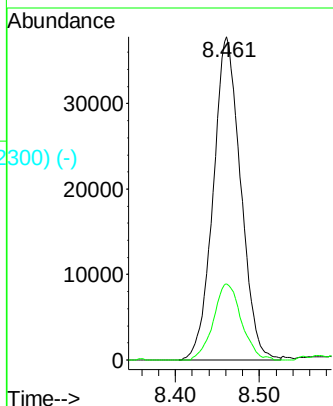
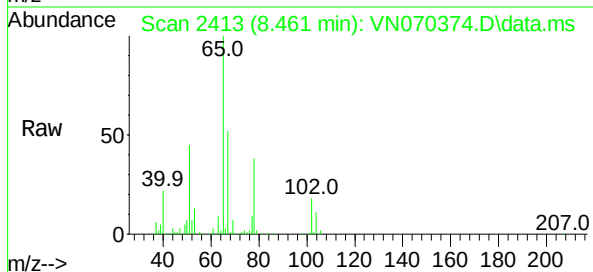




Benzene
Concen: 1.801 ug/l
RT: 8.461 min Scan# 1
Delta R.T. 0.003 min
Lab File: VN070374.D
Acq: 30 Dec 2021 3:45

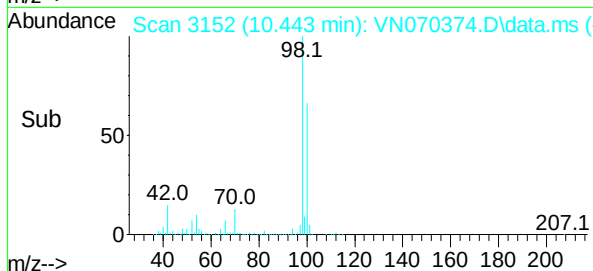
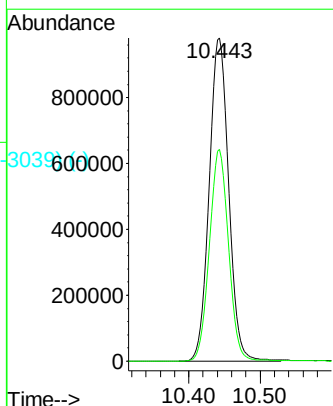
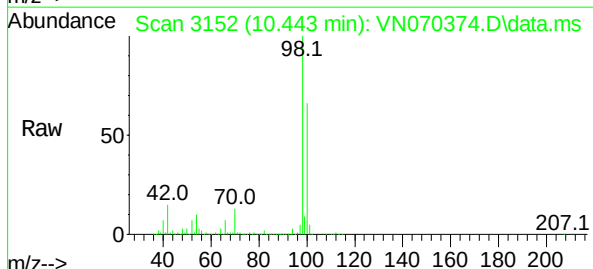
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-02RE

Tgt Ion: 78 Resp: 85974
Ion Ratio Lower Upper
78 100
77 23.5 18.6 27.8



Toluene-d8
Concen: 48.165 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VN070374.D
Acq: 30 Dec 2021 3:45

Tgt Ion: 98 Resp: 1852011
Ion Ratio Lower Upper
98 100
100 64.6 50.4 75.6



Abundance Scan 4005 (12.731 min): VN070308.D\data.ms (-3962) (-)

4-Bromofluorobenzene

Concen: 48.220 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.000 min

Lab File: VN070374.D

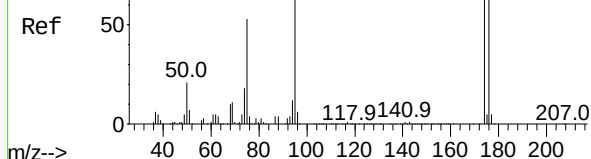
Acq: 30 Dec 2021 3:45

Instrument :

MSVOA_N

ClientSampleId :

TOLL-MW-02RE



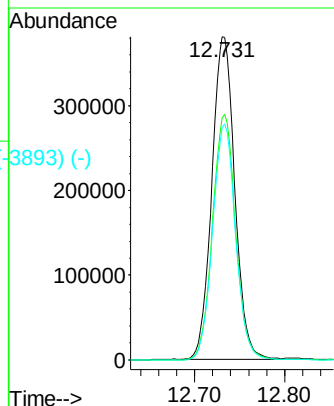
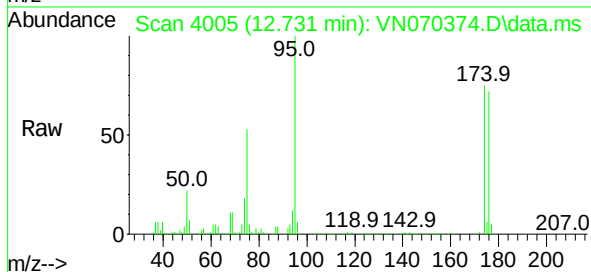
Tgt Ion: 95 Resp: 669671

Ion Ratio Lower Upper

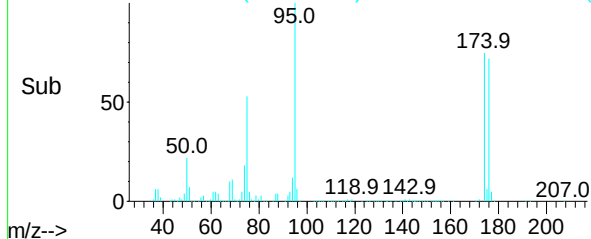
95 100

174 76.9 0.0 187.2

176 73.5 0.0 181.4



Abundance Scan 4005 (12.731 min): VN070374.D\data.ms (-3893) (-)



Abundance Scan 3637 (11.744 min): VN070308.D\data.ms (-3653) (-)

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.746 min Scan# 3638

Delta R.T. 0.002 min

Lab File: VN070374.D

Acq: 30 Dec 2021 3:45

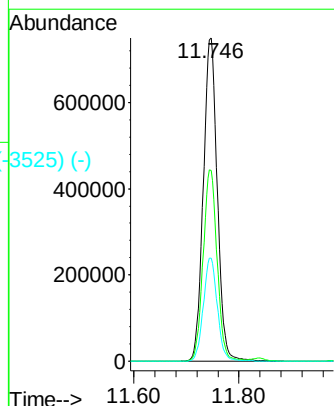
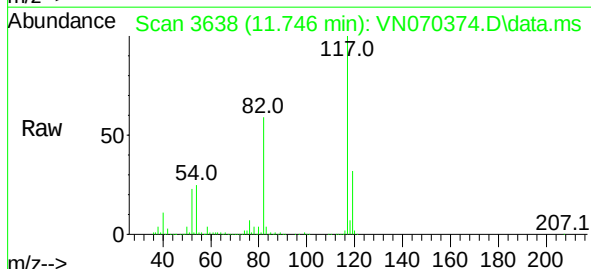
Tgt Ion: 117 Resp: 1381071

Ion Ratio Lower Upper

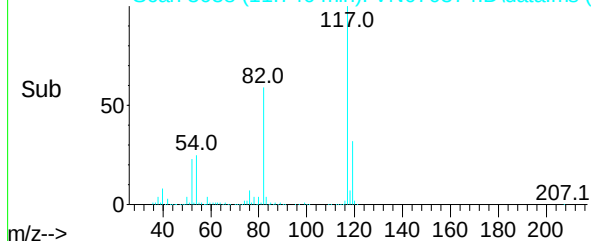
117 100

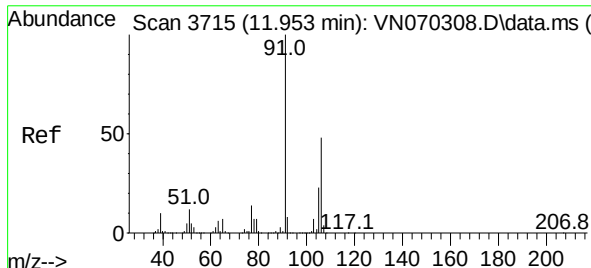
82 58.9 42.4 63.6

119 31.8 25.4 38.2



Abundance Scan 3638 (11.746 min): VN070374.D\data.ms (-3525) (-)

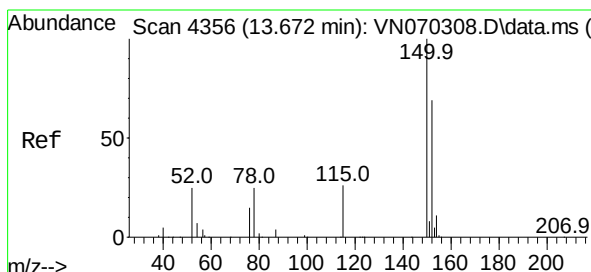
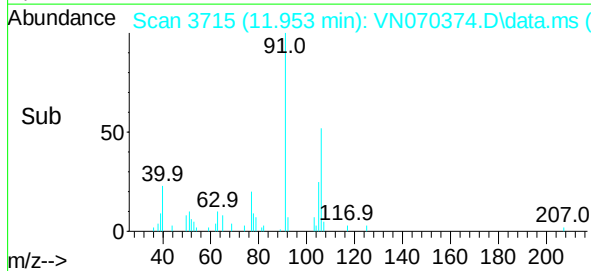
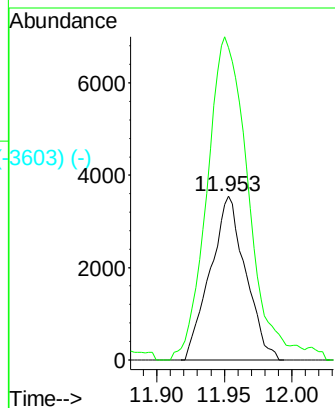
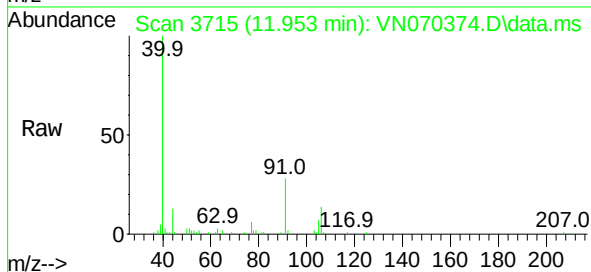




m/p-Xylenes
Concen: 0.330 ug/l
RT: 11.953 min Scan# 4372
Delta R.T. -0.000 min
Lab File: VN070374.D
Acq: 30 Dec 2021 3:45

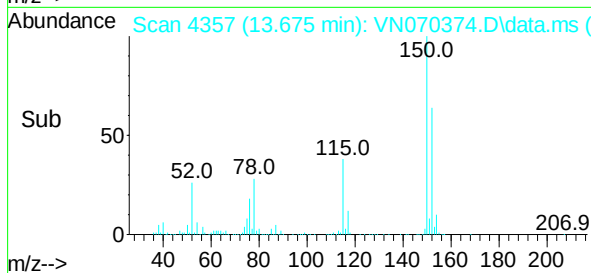
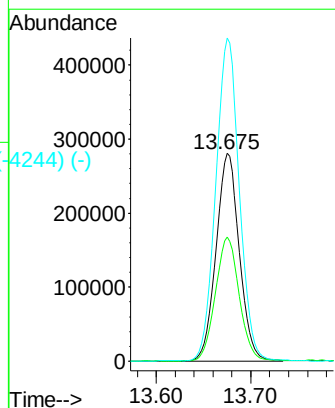
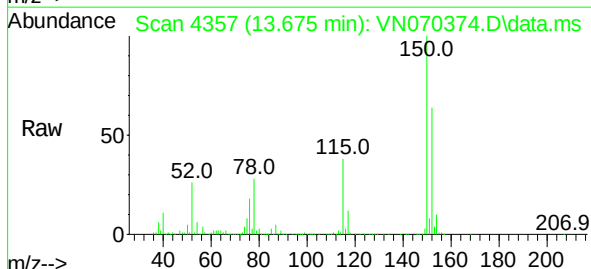
Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-02RE

Tgt Ion:106 Resp: 6450
Ion Ratio Lower Upper
106 100
91 226.5 160.6 240.8



1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070374.D
Acq: 30 Dec 2021 3:45

Tgt Ion:152 Resp: 483287
Ion Ratio Lower Upper
152 100
115 61.4 27.5 82.5
150 157.3 0.0 344.4



Abundance Scan 3948 (12.578 min): VN070308.D\data.ms (-3974) (-)

Isopropylbenzene

Concen: 0.995 ug/l

RT: 12.578 min Scan# 3948

Delta R.T. -0.000 min

Lab File: VN070374.D

Acq: 30 Dec 2021 3:45

Instrument :

MSVOA_N

ClientSampleId :

TOLL-MW-02RE

Tgt Ion:105 Resp: 44673

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.1

Abundance Scan 3948 (12.578 min): VN070374.D\data.ms

Ref

51.0 77.0 105.0 207.0

m/z-->

Raw

39.9 77.0 105.0 155.0 207.1

m/z-->

Abundance Scan 3948 (12.578 min): VN070374.D\data.ms (-3836) (-)

Sub

51.0 77.0 105.0 155.0 207.1

m/z-->

Abundance

25000

20000

15000

10000

5000

0

Time--> 12.50 12.60

Abundance Scan 4075 (12.919 min): VN070308.D\data.ms (-4070) (-)

n-propylbenzene

Concen: 0.449 ug/l

RT: 12.918 min Scan# 4075

Delta R.T. -0.001 min

Lab File: VN070374.D

Acq: 30 Dec 2021 3:45

Tgt Ion: 91 Resp: 22328

Ion Ratio Lower Upper

91 100

120 18.8 11.9 35.9

Abundance Scan 4075 (12.918 min): VN070374.D\data.ms

Ref

40.0 65.0 91.0 120.0 156.0

m/z-->

Raw

39.0 65.0 91.0 120.0 156.0

m/z-->

Abundance Scan 4075 (12.918 min): VN070374.D\data.ms (-3963) (-)

Sub

39.0 65.0 91.0 120.0 156.0

m/z-->

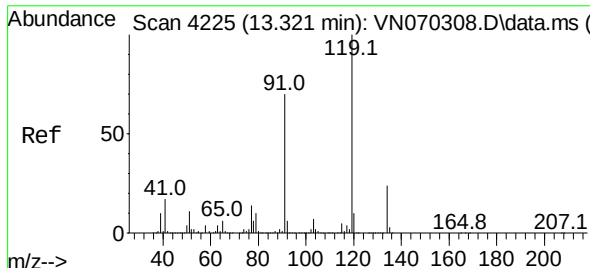
Abundance

10000

5000

0

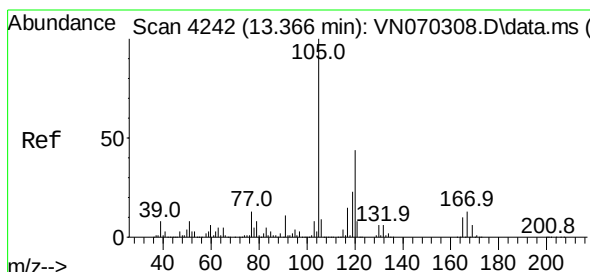
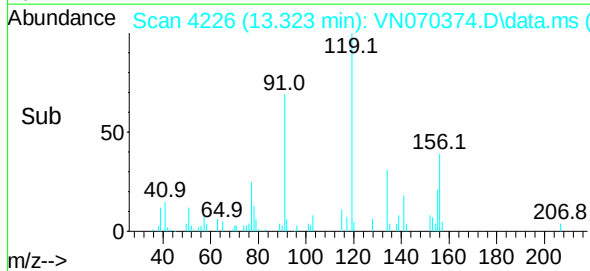
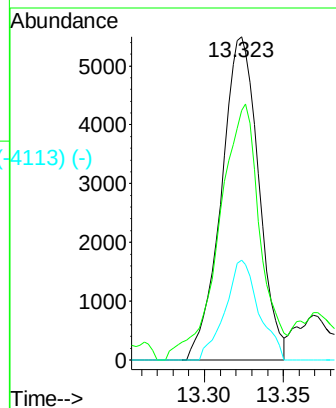
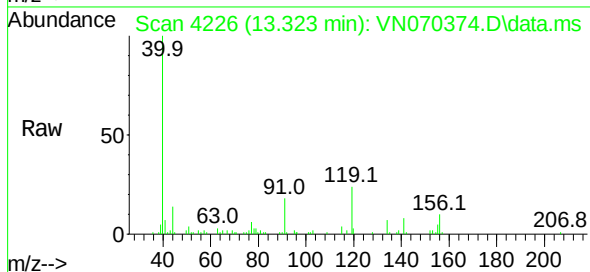
Time--> 12.90



Scan 4225 (13.321 min): VN070308.D\data.ms (-4203) (-)
 tert-Butylbenzene
 Concen: 0.285 ug/l
 RT: 13.323 min Scan# 4203
 Delta R.T. 0.002 min
 Lab File: VN070374.D
 Acq: 30 Dec 2021 3:45

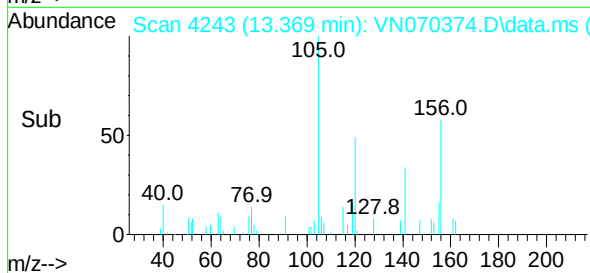
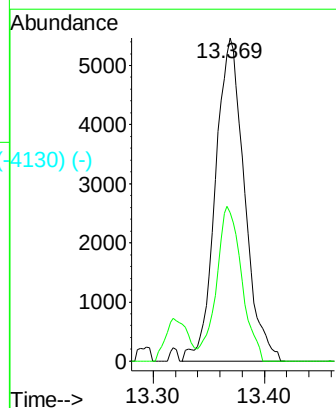
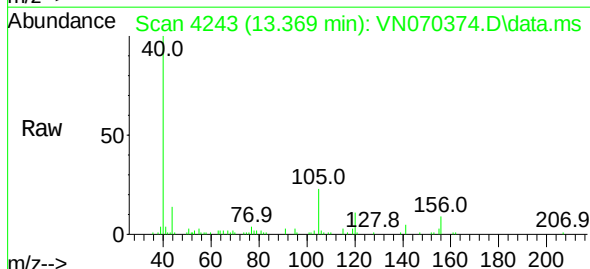
Instrument :
 MSVOA_N
 ClientSampleId :
 TOLL-MW-02RE

Tgt Ion:	119	Resp:	9030
Ion	Ratio	Lower	Upper
119	100		
91	86.9	31.5	94.5
134	27.9	12.4	37.4

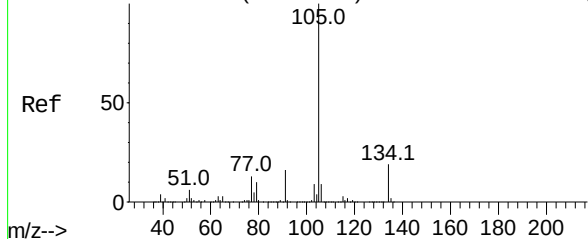


Scan 4242 (13.366 min): VN070308.D\data.ms (-4204) (-)
 1,2,4-Trimethylbenzene
 Concen: 0.286 ug/l
 RT: 13.369 min Scan# 4243
 Delta R.T. 0.003 min
 Lab File: VN070374.D
 Acq: 30 Dec 2021 3:45

Tgt Ion:	105	Resp:	9896
Ion	Ratio	Lower	Upper
105	100		
120	41.7	22.8	68.4



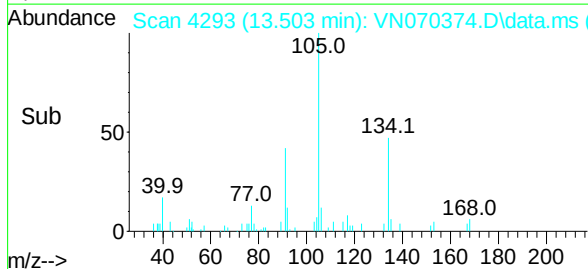
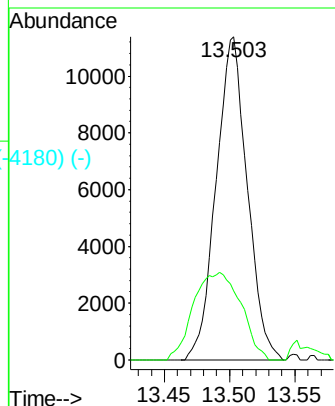
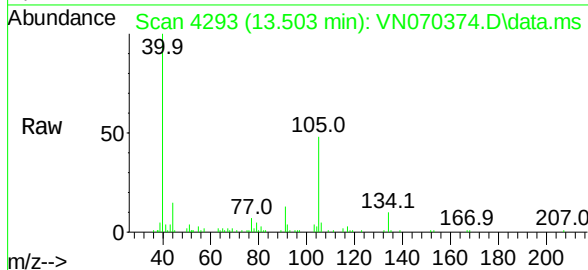
Abundance Scan 4292 (13.501 min): VN070308.D\data.ms (-4292) (-)



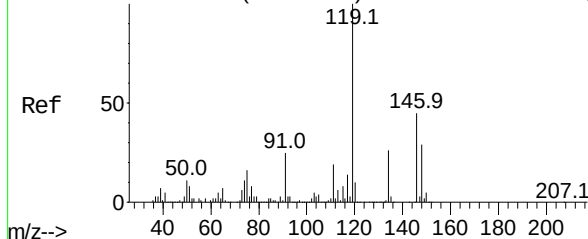
sec-Butylbenzene
Concen: 0.439 ug/l
RT: 13.503 min Scan# 4293
Delta R.T. 0.002 min
Lab File: VN070374.D
Acq: 30 Dec 2021 3:45

Instrument :
MSVOA_N
ClientSampleId :
TOLL-MW-02RE

Tgt Ion:105 Resp: 18871
Ion Ratio Lower Upper
105 100
134 41.3 10.4 31.1#

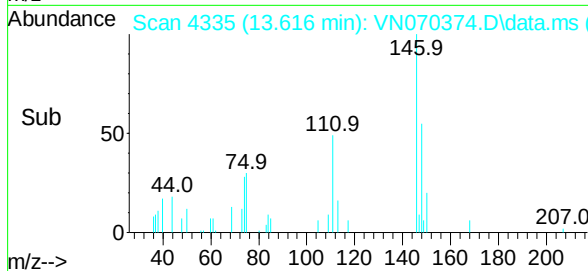
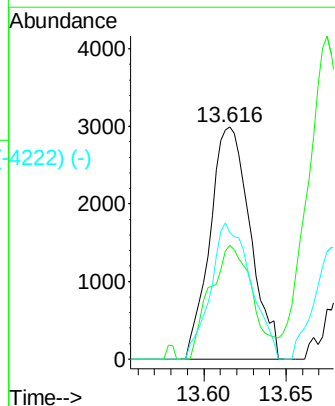
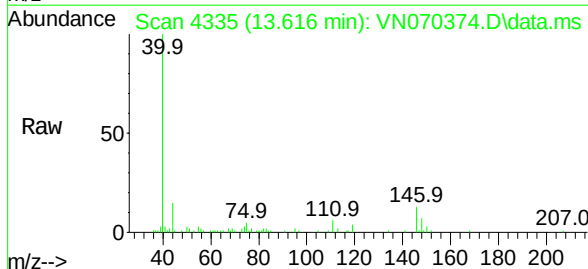


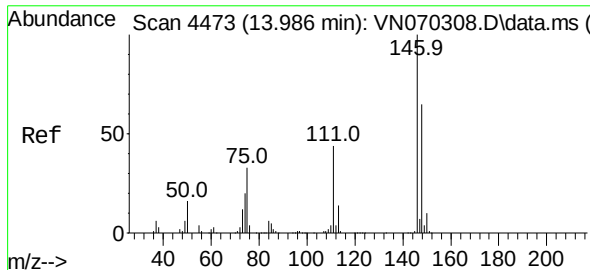
Abundance Scan 4334 (13.613 min): VN070308.D\data.ms (-4334) (-)



1,3-Dichlorobenzene
Concen: 0.294 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. 0.003 min
Lab File: VN070374.D
Acq: 30 Dec 2021 3:45

Tgt Ion:146 Resp: 5076
Ion Ratio Lower Upper
146 100
111 52.3 18.6 55.6
148 58.9 31.6 95.0





1,2-Dichlorobenzene

Concen: 0.527 ug/l

RT: 13.989 min Scan# 4495

Delta R.T. 0.003 min

Lab File: VN070374.D

Acq: 30 Dec 2021 3:45

Instrument :

MSVOA_N

ClientSampleId :

TOLL-MW-02RE

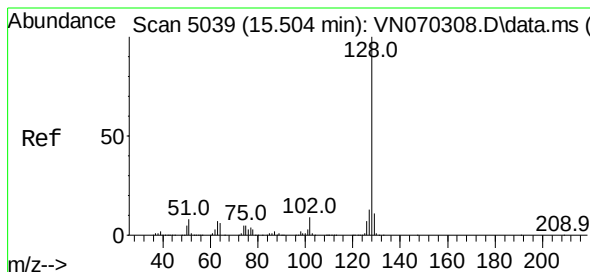
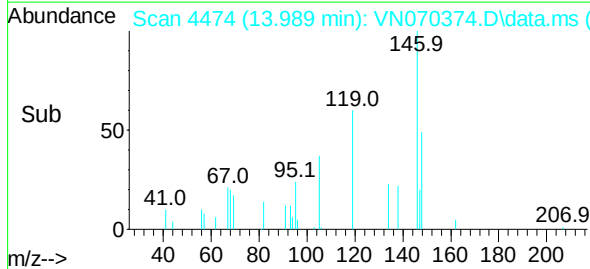
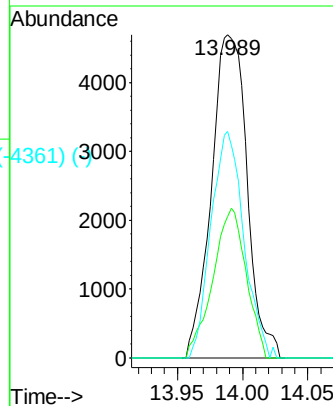
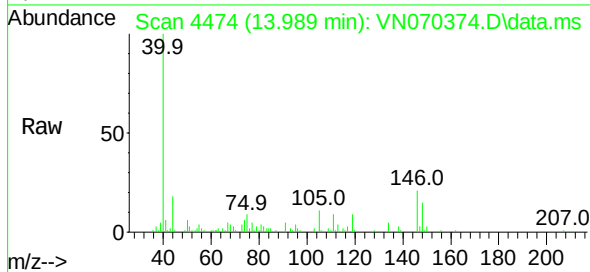
Tgt Ion:146 Resp: 8914

Ion Ratio Lower Upper

146 100

111 43.2 19.1 57.3

148 64.6 32.1 96.3



Naphthalene

Concen: 2.470 ug/l

RT: 15.507 min Scan# 5040

Delta R.T. 0.003 min

Lab File: VN070374.D

Acq: 30 Dec 2021 3:45

Tgt Ion:128 Resp: 15381

Ion Ratio Lower Upper

128 100

127 15.7 10.5 15.7#

129 5.3 8.7 13.1#

